

# COLO-23615-841-5-0 SECUENCIAS

## LISTADO DE SECUENCIAS

<110> 4D PHARMA RESEARCH LIMITED

<120> COMPOSICIONES QUE COMPRENDEN CEPAS BACTERIANAS

<130> P065778W0

<150> GB 1510470.6

<151> 2015-06-15

<150> GB 1520510.7

<151> 2015-11-20

<150> GB 1603786.3

<151> 2016-03-04

<160> 7

<170> SeqWin2010, versión 1.0

<210> 1

<211> 1491

<212> ADN

<213> Bacteroides coprocola

<400> 1

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| gatgccaatc | cccaaaacct | ctctcagttc | ggactggagt | ctgcaaccgc | actccacgaa | 1320 |
| gctggattcg | ctagtaatcg | cgcacagcc  | acggcgcggt | gaatacgttc | ccgggccttg | 1380 |
| tacacaccgc | ccgtcaagcc | atgaaagccg | gggttacctg | aagtgcgtaa | ccgcaaggag | 1440 |
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<210> 2  
 <211> 1490  
 <212> ADN  
 <213> Bacteroides coprocola

<400> 2

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| ggcagcatga  | acttagcttg  | ctaagtttga | tggcgaccgg | cgcacgggtg | agtaacacgt | 120  |
| atccaacctt  | ccgtttactc  | agggatagcc | tttcgaaaga | aagattaata | cctgatagta | 180  |
| tggtagagatt | gcatgatggc  | accattaaag | atttattggt | aaacgatggg | gatgcgttcc | 240  |
| attaggtagt  | aggcggggta  | acggcccacc | tagcctgcga | tggatagggg | ttctgagagg | 300  |
| aaggtccccc  | acattggaac  | tgagacacgg | tccaaactcc | tacgggaggc | agcagtgagg | 360  |
| aatattgggtc | aatgggagag  | agcctgaacc | agccaagtag | cgtgaaggat | gaaggctcta | 420  |
| cggattgtaa  | acttctttta  | tacgggaata | aagtttccta | cgtgtaggat | tttgtatgta | 480  |
| ccgtatgaat  | aagcatcggc  | taactccgtg | ccagcagccg | cggtaatacg | gaggatgcga | 540  |
| gcgttatccg  | gatttattgg  | gtttaaaggg | agcgcagacg | ggagattaag | tcagttgtga | 600  |
| aagtttgagg  | ctcaaccgta  | aaattgcagt | tgatactggt | ttccttgagt | gcagttgagg | 660  |
| caggcggaat  | tcgtggtgta  | gcggtgaaat | gcttagatat | cacgaagaac | cccgattgag | 720  |
| aaggcagctt  | gctaaactgt  | aactgacgtt | catgctcgaa | agtgtgggta | tcaaacagga | 780  |
| ttagataccc  | tggtagtcca  | cacggtaaac | gatggatact | cgctgttggc | gatatactgt | 840  |
| cagcgcccaa  | gcgaaagcat  | taagtatccc | acctggggag | tacgccggca | acggtgaaac | 900  |
| tcaaaggaat  | tgacgggggc  | ccgcacaagc | ggaggaacat | gtggtttaat | tcgatgatac | 960  |
| gcgaggaacc  | ttaccggggc  | ttaaattgca | gacgaattac | gaggaaactt | gtaagccgca | 1020 |
| aggcgtctgt  | gaagggtgctg | catggttgtc | gtcagctcgt | gccgtgagg  | gtcggcttaa | 1080 |
| gtgccataac  | gagcgcaacc  | ctcgtggtca | gttactaaca | ggttaagctg | agggctcttg | 1140 |
| ccagactgcc  | atcgtaaagt  | gtgaggaagg | tggggatgac | gtcaaatac  | cacggccctt | 1200 |
| acgtccgggg  | ctacacacgt  | gttacaatgg | gaggtacaga | aggccgctac | ccggcaacgg | 1260 |
| gatgccaatc  | cccaaaacct  | ctctcagttc | ggactggagt | ctgcaaccgc | actccacgaa | 1320 |
| gctggattcg  | ctagtaatcg  | cgcacagcc  | acggcgcggt | gaatacgttc | ccgggccttg | 1380 |
| tacacaccgc  | ccgtcaagcc  | atgaaagccg | gggttacctg | aagtgcgtaa | ccgcaaggag | 1440 |
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<210> 3  
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 <213> Bacteroides coprocola

<400> 3

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| ggcagcatga  | acttagcttg | ctaagtttga | tggcgaccgg | cgcacgggtg | agtaacacgt | 120 |
| atccaacctt  | ccgtttactc | agggatagcc | tttcgaaaga | aagattaata | cctgatagta | 180 |
| tggtagagatt | gcatgatagc | accattaaag | atttattggt | aaacgatggg | gatgcgttcc | 240 |
| attaggtagt  | aggcggggta | acggcccacc | tagcctncga | tggatagggg | ttctgagagg | 300 |

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|             |             |            |            |             |            |      |
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| aatattgggtc | aatgggagag  | agcctgaacc | agccaagtag | cgtgaaggat  | gaaggtccta | 420  |
| cggattgttaa | acttctttta  | tacgggaata | aagtatccta | cgtgtaggat  | tttgtatgta | 480  |
| ccgtatgaat  | aagcatcggc  | taactccgtg | ccagcagccg | cggtaatacg  | gaggatgcga | 540  |
| gcgttatccg  | gatttattgg  | gtttaaaggg | agcgcagacg | ggagattaag  | tcagttgtga | 600  |
| aagtttgagg  | ctcaaccgta  | aaattgcagt | tgatactggg | ttccttgagt  | gcagttgagg | 660  |
| caggcggaat  | tcgtgggtga  | gcggtgaaat | gcttagatat | cacgaagaac  | cccgattgcg | 720  |
| aaggcagctt  | gctaaactgt  | aactgacgtt | catgctcgaa | agtgtgggta  | tcaaacagga | 780  |
| ttagataccc  | tggtagtcca  | cacggtaaac | gatggatact | cgctgttggc  | gatatactgt | 840  |
| cagcgcccaa  | gcgaaagcat  | taagtatccc | acctggggag | tacgccggca  | acggtgaaac | 900  |
| tcaaaggaat  | tgacgggggg  | ccgcacaagc | ggaggaacat | gtgggtttaat | tcgatgatac | 960  |
| gcgaggaacc  | ttaccgggc   | ttaaattgca | gacgaattac | gaggaaactt  | gtaagccgca | 1020 |
| aggcgtctgt  | gaagggtgctg | catggttgtc | gtcagctcgt | gccgtgaggt  | gtcggcttaa | 1080 |
| gtgccataac  | gagcgcaacc  | ctcgtgggtc | gttactaaca | ggttaagctg  | aggactctgg | 1140 |
| ccagactgcc  | atcgtaagat  | gtgaggaagg | tggggatgac | gtcaaatacag | cacggccctt | 1200 |
| acgtccgggg  | ctacacacgt  | gttacaatgg | gaggtacaga | aggcagctac  | ccggcgacgg | 1260 |
| gatgccaatc  | cccaaaacct  | ctctcagttc | ggactggagt | ctgcaaccgg  | actccacgaa | 1320 |
| gctggattcg  | ctagtaatcg  | cgcacagcc  | acggcgcggt | gaatacgttc  | ccgggccttg | 1380 |
| tacacaccgc  | ccgtcaagcc  | atgaaagccg | gggttacctg | aagtgcgtaa  | ccgcaaggag | 1440 |
| cgccctaggg  | taaaaccggt  | aattgggggt | aagtcgtaac | aaggtaacca  | a          | 1491 |

<210> 4

<211> 1474

<212> ADN

<213> Bacteroides coprocola

<400> 4

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| aacttagctt  | gctaagtttg  | atggcgaccg | gcgcacgggt | gagtaacacg | tatccaacct | 120  |
| cccgttact   | caggaatagc  | ctttcgaaag | aaagattaat | gcctgatggg | atcttaagca | 180  |
| cacatgtaat  | taagattaaa  | gatttatcgg | taagcgatgg | ggatgcgttc | cattaggtag | 240  |
| taggcggggg  | aacggccac   | ctagccgacg | atggataggg | gttctgagag | gaagggtccc | 300  |
| cacattggaa  | ctgagacacg  | gtccaaactc | ctacgggagg | cagcagtgag | gaatattggg | 360  |
| caatgggagc  | gagcctgaac  | cagccaagta | gcgtgaagga | tgaaggctct | atggattgta | 420  |
| aacttctttt  | atacggaat   | aaagtgggtc | acgtgtgggc | ctttgcatgt | accgtatgaa | 480  |
| taagcatcgg  | ctaactccgt  | gccagcagcc | gcggtaatac | ggaggatgcg | agcgttatcc | 540  |
| ggatttattg  | ggtttaaagg  | gagcgcagac | gggggattaa | gtcagttgtg | aaagtttgcg | 600  |
| gctcaaccgt  | aaaattgcag  | ttgatactgg | ttcccttgag | tgagttgag  | gcaggcggaa | 660  |
| ttcgtggtgt  | agcgtgaaa   | tgcatagata | tcacgaagaa | ccccgattgc | gaaggcagcc | 720  |
| tgctaagctg  | taactgacgt  | tgaggctcga | aagtgtgggt | atcaaacagg | attagatacc | 780  |
| ctggtagtcc  | acacggtaaa  | cgatggatac | tcgctgttgg | cgatatactg | tcagcggcca | 840  |
| agcgaaagca  | ttaagtatcc  | cacctgggga | gtacgccggc | aacggtgaaa | ctcaaaggaa | 900  |
| ttgacggggg  | cccgccacaag | cggaggaaca | tgtggtttta | ttcgatgata | cgcgaggaac | 960  |
| cttaccgggg  | cttaaattgc  | agacgaatta | cttggaacaa | ggtaagccgc | aaggcgtctg | 1020 |
| tgaagggtgct | gcatggttgt  | cgtcagctcg | tgccgtgagg | tgctggctta | agtgccataa | 1080 |
| cgagcgcaac  | cctcgtggcc  | agttactagc | aggtaacgct | gaggactctg | gccagactgc | 1140 |
| catcgtaaga  | tgcgaggaag  | gtggggatga | cgtcaaatca | gcacggccct | tacgtccggg | 1200 |
| gctacacacg  | tgttacaatg  | ggaggtacag | aaggcagcta | cccggcgacg | ggatgccaat | 1260 |

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| gctagtaatc  | gcgcatcagc | cacggcgcg  | tgaatacgtt | cccgggcctt | gtacacaccg | 1380 |
| cccgctcaagc | catgaaagcc | gggagtacct | gaagtgcgta | accgcaagga | gcgccctagg | 1440 |
| gtaaaaccgg  | taattggggc | taagtcntac | gggg       |            |            | 1474 |

<210> 5  
 <211> 1482  
 <212> ADN  
 <213> Bacteroides thetaiotaomicron

<400> 5

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| tgcaagtcna | ggggcagcat | ttcagtttgc | ttgcaaaactg | gagatggcga  | ccggcgacag  | 120  |
| ggtgagtaac | acgtatccaa | cctgccgata | actcggggat  | agcctttcga  | aagaaagatt  | 180  |
| aatacccnat | ggtataatca | gaccgcatng | tcttrttatt  | aaagaatttc  | ggttatcgat  | 240  |
| ggggatgctg | tccattaggc | agttggtgag | gtaacggctc  | acnnaacctt  | cgatggatag  | 300  |
| gggttctgag | aggaaggtcc | cccacattgg | aactgagaca  | cgggtccaaac | tcctacggga  | 360  |
| ggcagcagtg | aggaatattg | gtcaatgggc | gcaggcctga  | accagccaag  | tagcgtgaag  | 420  |
| gatgactgcc | ctatgggttg | taaacttctt | ttatatggga  | ataaagtfff  | ccacgtgtgg  | 480  |
| aattttgtat | gtaccatatg | aataaggatc | ggctaactcc  | gtgccagcag  | ccncgntnat  | 540  |
| acggagnatc | cgagcgttat | ccggatttat | tgggttttaa  | gggagcgtag  | gtggacagtt  | 600  |
| aagtcagttg | tgaagtttg  | cggctcaacc | gtaaaattgc  | agttgatact  | ggctgtcttg  | 660  |
| agtacagtag | aggtgggcgg | aattcgtggt | gtagcgggtg  | aatgcttaga  | tatcacgaag  | 720  |
| aactccgatt | gcgaaggcag | ctcactggac | tgcaactgac  | actgatgctc  | gaaagtgtgg  | 780  |
| gtatcaaaca | ggattagata | ccctggtagt | ccacacagta  | aacgatgaat  | actcgctgtt  | 840  |
| tgcgatatac | agtaagcggc | caagcgaag  | cattaagtat  | tccacctggg  | gagtacgccg  | 900  |
| gcaacggtga | aactcaaagg | aattgacggg | ggcncgcaca  | agcggaggaa  | catgtggttt  | 960  |
| aattcgatga | tacgcgagga | accttaccg  | ggcttaaatt  | gcatttgaat  | atattggaaa  | 1020 |
| cagtatagcc | gyaaggcaaa | tgtgaaggtg | ctgcatgggt  | gtcgtcagct  | cgtgccgtga  | 1080 |
| ggtgtcggct | taagtgccat | aacgagcgca | acccttatct  | ttagttacta  | acaggctcatg | 1140 |
| ctgaggactc | tagagagact | gccgtcgtaa | gatgtgagga  | aggtggggat  | gacgtcaaat  | 1200 |
| cagcacngcc | cntacgtccg | gggctacaca | cgtgttacaa  | tgggggggtac | agaaggcagc  | 1260 |
| tacctggtga | caggatgcta | atcccaaaag | cctctctcag  | ttcgatcga   | agtctgcaac  | 1320 |
| ccgacttcgt | gaagctggat | tcgctagtaa | tcgcgcatca  | gccatggcgc  | ggtgaatacg  | 1380 |
| ttcccgggcn | ttgtacacac | cgcccgtcaa | gccatgaaag  | ccgggggtac  | ctgaagtacg  | 1440 |
| taaccgcaag | gagcgtccta | gggtaaaact | ggtaattggg  | gc          |             | 1482 |

<210> 6  
 <211> 3937129  
 <212> ADN  
 <213> Bacteroides coprocola

<400> 6

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| aaagtgaggt | tgataccgcc | ggtgatggta | cgcatagcag | aataagaact  | gctggttgca | 120 |
| gcaccacttc | cgatgtttga | gcttccaga  | cctaaactct | gacggggatc  | aagaccttta | 180 |
| cgtgctgtaa | gcagggcaac | gttgtcggc  | gatacatata | cacgtaagtt  | gtttatctgt | 240 |
| aatttcttgg | tccagctttt | cggtaaggtg | taacctaaag | tgatgtttatt | caggctcagg | 300 |

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|            |            |            |            |            |             |      |
|------------|------------|------------|------------|------------|-------------|------|
| tagtttgagc | tgaccaggaa | gcggttgaa  | tccaactggt | agcatgggtc | gctggcatcg  | 360  |
| agacgaggaa | cgtctgtata | gcggttttcc | ggagtccatg | catcgcggt  | atcggtcgac  | 420  |
| cagttgtagc | cttgcatacc | actaccacca | ttgtgcataa | atgactgata | ggttccgtcg  | 480  |
| tagtagcgtc | cgcccagctg | ataagaaagc | tgtacgctga | aatcgagtcc | tttatagttc  | 540  |
| aatgagggtc | cgaaccacc  | atatactttg | gggagtaaat | cgccctgac  | ggattgcttg  | 600  |
| gcatcaccat | gttcggttgt | cggtgaataa | tcaccgttgt | cggggtctac | ataatacagt  | 660  |
| gcttcaccgg | tattgggatc | gacacctgca | tatgctttca | cgtaggattc | gtacagagaa  | 720  |
| cctccgatgc | ggtagatgta | gtaagaacct | ttctgtccgc | cggctgcttc | gagttcgggt  | 780  |
| gacagggctg | taatcttgtt | ctttagtgta | gtcaggttca | cattggctgt | ccattcgaaa  | 840  |
| tctctgttac | ggaagataac | accggtcaaa | tcgagctcga | tacctttatt | ggatatgcta  | 900  |
| ccaatgttag | tcgggataga | gcctgtactg | ataccggaag | aaaccggagt | gggctggttg  | 960  |
| tacagcaggt | ctttggtgat | acggctgaag | tattctacgg | taccgttcag | gcggtgccg   | 1020 |
| aacaattcga | agtcgaaacc | tgtattgaag | gagtaggatg | tttcccaagt | caggtctttg  | 1080 |
| tttcccttgt | aggccaaagt | cgtagagtat | tgtccgttgc | tgtatgaaac | tgtatactgg  | 1140 |
| tctttataag | cataccagtt | gtttatgtac | tgtccgttga | ccagaatgag | cagatggtcg  | 1200 |
| tttcccttga | tacccagct  | tgccttgtac | ttcaacatgt | tcagccagct | gatattcttcg | 1260 |
| aggaattttt | ctttagtcac | gagccatgcg | ccaccacac  | taccgaagtt | acccagcgga  | 1320 |
| tggtcgggtg | cgaacgtga  | agaagcgtca | cgacgataag | aagcgctcag | gaagtatttt  | 1380 |
| ccatcgtagt | tgtactgtac | acggctcaga | ataccttccg | tcatatagtt | gtctgtataa  | 1440 |
| gagttggtga | ttttcttgtc | gtttccaact | gcgttgccca | gttcgccgat | attgggatcg  | 1500 |
| taagtattgg | tggtatcgcc | gtacaatact | gtttctttca | gtctgtattg | ttcgtaaccg  | 1560 |
| accatgatat | cgaagttgtg | tacattgttg | aaagtatgta | catagcttgc | caggtactgt  | 1620 |
| gtattcacgc | cgaaggtacg | tgtgctttct | acataacac  | caccgtcggg | tgaagctgcg  | 1680 |
| cttccgaatg | tactgtacaa | gttggtcgaa | cgtgtatttt | cgagtgttgt | tgcaatgttg  | 1740 |
| gctgtaaggg | taagtccttc | cagcggagtg | atgttggcat | accatttacc | cgagaatgca  | 1800 |
| tcagtgtagg | tatgataccg | gttcaattcg | atatcgctg  | ccgcatttcc | ggtgaacgac  | 1860 |
| ggcggtgaga | agttggtcgt | agaaccagca | tcgtatgttt | tgtgtccggg | agtagcattg  | 1920 |
| attttgatag | aaccgtcagg | attacgtacg | tacatcgggt | agataggtgc | gatagagttg  | 1980 |
| acgataaaga | ataagttacc | gcttgatgcc | cagtcgtcgg | aagtctgatt | atcgggtacc  | 2040 |
| tgagagtctg | aataggtata | agccaggttg | gttccgattt | tcaaccattt | cttagcctga  | 2100 |
| tagtcgactt | tacctctacc | tgtgtaacgc | ttgaaggctg | agttctgaat | caaaccggta  | 2160 |
| tcgttcaggt | agcctgcgct | ggcatagtag | ttgatcttat | cagatttacc | agatacgtg   | 2220 |
| gcgttatatt | cctgacggaa | actgcttcca | aagatttcat | cgtaccagtc | atctggagt   | 2280 |
| tagtaataag | taccgtcgga | atatcccaa  | gtagcgttcg | ggttcagctt | aaagttcgtt  | 2340 |
| ccgataaggt | tttctccttt | aggtacggta | tatacctgat | agccgagacc | accgttcttt  | 2400 |
| gcatcgaata | aagtgttgtt | ggcataagca | taagcatctg | ctgccgatga | acctccatag  | 2460 |
| gcttttgagt | tgtatagtgc | cttgaacatg | gtttcgtagt | attctcccgg | gctgctgatg  | 2520 |
| acatcatagt | tgggaacagc | acgtgagttt | gatccccatt | tagcatcgaa | agtaacgcga  | 2580 |
| gcttcgccgt | tttgtccgct | tttggtcgta | atcaatacga | caccgttggc | accacgagca  | 2640 |
| ccatatatag | cattggcagc | agcatctttc | aacacggtca | gtgattcaat | atccgaagg   | 2700 |
| ttgatagaag | agatgtttcc | gtcgtaggga | actccgtcga | ctacatagag | cggatcattg  | 2760 |
| ctggatgcca | tagaaccaat | accacggatg | cgtatcttgg | ctgattctcc | cggctgaccg  | 2820 |
| ttgtcgctgg | tcatctgtac | accggcaact | tgtccagaca | tagcgttggg | gatattggat  | 2880 |
| acacttcgag | tggctatttt | atctgcattc | atggtacctg | ccgaaccggg | gaacgatgat  | 2940 |
| tttttagcag | ttccgtaggc | tactaccata | acttcgtcga | gtgcttgtga | atcagaggat  | 3000 |
| aaagtaactt | ttacagtcgg | tttgattgct | acttcctgtg | tctccagtcc | aatgaacgaa  | 3060 |
| acgaccaaag | ttttcgccga | actgaatttt | aattataata | tattgattat | taatggtata  | 3120 |
| agaaaaatat | tcaagattgt | atatgtgaga | agttatccgc | aggagaagcc | ttttcgacaa  | 3180 |

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|            |             |            |            |             |             |      |
|------------|-------------|------------|------------|-------------|-------------|------|
| ggtaaaagtg | ctttttttct  | acccgtttgt | accttatcaa | atggataaaa  | aaagagaatg  | 3240 |
| tgaaaataca | catttctctt  | ttagcaaatg | ctgatattat | tgcttttgag  | gtcgcaatta  | 3300 |
| gaaatcgtca | gcagggaatc  | ctgtacggcg | gaatcctgaa | accttgtaag  | tcagtcctgc  | 3360 |
| cggatcatca | tcgaattgta  | tcatgtaaac | gatactgtcg | gcaggcattc  | cacttgaggt  | 3420 |
| aagagctgca | ccttccagta  | ttttaccatc | ggtgattttc | accttgcagt  | cgtatgaagt  | 3480 |
| attttcgtg  | aaatcgttgg  | tcgtaaactg | tctgttggtg | tagtctacgt  | ttaccttaac  | 3540 |
| cttgtaatcc | caaaaattag  | ctccgtcttc | caaccacatt | tctgtaggaa  | cattggctgc  | 3600 |
| ggtattgtaa | gtatacatat  | ggaaatgtcc | tagtcctacg | tcaccaactt  | cttgtccgtt  | 3660 |
| gctgataacg | gtcgcagtaa  | cccaccagtc | gccagccatc | ttttcgacag  | atgtacctcc  | 3720 |
| aggttccgta | tcatcattgc  | atgaagtaag | tactattgaa | agagctgcaa  | ataagattgt  | 3780 |
| tatatatttt | ttcataatgt  | ttcaataatt | atttggttaa | tgtaacacta  | agaggagtcc  | 3840 |
| ctccgtaatc | tacagtcata  | gttacgacac | ctgtttccgg | attgtatttt  | ccttctgtca  | 3900 |
| gacttaaatg | aagctgtgag  | gcaaaatacc | agttccctac | ttcaagcagg  | ctgagtgtat  | 3960 |
| tgtcgtcgtt | caattttacc  | ttggcttctg | catggaaatc | gtacataggc  | tcaaattccc  | 4020 |
| ggttcagtcc | gtagaactgt  | aaacctccca | acaagtcgtc | aatcagataa  | gttccgtctg  | 4080 |
| agttttctgt | aataaagata  | ggagcacctg | tatagtgcag | agtacttggt  | tgtgattccc  | 4140 |
| cctgatatgc | acttgcaaaa  | tgatcaggat | cgactaccat | aacctgacga  | ctcttagaga  | 4200 |
| ctgaaaagcc | gtcaacattg  | gctacggaat | atactaagtt | ataaaatccc  | gttgtagtat  | 4260 |
| tgtcaacggt | accagtcact  | ttcactctat | cactaatatc | ttcaccgttt  | tctgtagctt  | 4320 |
| catatccagg | ttccgtataa  | gtttctccta | aagatatttt | tacaaaatca  | tcacctttca  | 4380 |
| gatttaattc | tgcaaaatag  | gtaactttag | aaaggtcttc | taccgagtct  | tcgcaggagg  | 4440 |
| tagttgttcc | taataaaaagt | cctcccatga | gtatgcaata | aaatattttt  | ttcattttct  | 4500 |
| taaagcattt | aaattattag  | tttttatccc | accatacagg | agtgcattaca | ggcacagcct  | 4560 |
| taggagtatt | tacattgtac  | atacgtgcac | tcagaggata | tgtcatacgt  | ttcacaagtc  | 4620 |
| cacttcccaa | accattaatc  | cacggctcaa | tcaaatcacc | cggaacatag  | cttgatccac  | 4680 |
| ctttaaagat | atcaacttgt  | ggtactgttg | tcagattagg | acagtcagta  | cgacgtattt  | 4740 |
| cgctccatgc | ttccatgtgg  | tccatacaga | acagagcagc | ccatttctgc  | atgtatacca  | 4800 |
| gatgcagttt | gtcgttgttt  | gaagttgctt | tgtcccacaa | tgccaggatt  | cctgattcct  | 4860 |
| gaccgcccac | gctacgtgca  | ttaaagtgcg | cagtgcactc | agcgttgtaa  | gcgctctgag  | 4920 |
| caccagactc | atcattcata  | aagcgcagtc | tgacctctgc | aatcagggaat | tgaagttcgg  | 4980 |
| cctgagtaaa | catataaaat  | ggctgagttg | ctccacctcc | atctgaatgc  | tggttaattaa | 5040 |
| tagcacttac | attttcattt  | ttccaagtat | cagaaccgtt | attatcgtct  | gacttagttc  | 5100 |
| taccacccgg | aatttgtccc  | aaatatttgc | cttctttttt | atttttatca  | atagcataag  | 5160 |
| caatacgtgg | gtcgttatta  | gcctgatagt | aagatacgat | aggatatgcg  | gcacactggt  | 5220 |
| taccagctgt | attcacagca  | tttgtttcgt | accaagggtt | acgtttggat  | gtttcgtcag  | 5280 |
| caaaaccggt | aaaggctgca  | tctccagtaa | agaaattggt | ttcctgaaca  | agtgtcttga  | 5340 |
| ctttttctgt | ataggttagca | gcactctact | ctgcatcgat | aaagcgcaga  | tacatacgca  | 5400 |
| gacgcaatgc | gttagccaat  | cctttccact | gcgccatatt | acgattaaat  | accaaattctt | 5460 |
| cgctgtccat | tgtagcattg  | gctgtcaacg | cactttcggc | tgcatccatt  | tcagccaata  | 5520 |
| cacctttgta | tacatcttct  | ccgttatccc | atttcgggtt | gctgacagaa  | ttacctttca  | 5580 |
| gggcttcgct | atacggggct  | tcgttggtat | tgtcgaccat | tacttgaggt  | acataagcac  | 5640 |
| gcaatacagt | tgtagcgaaa  | cggtcggcag | gatttgtact | cttatccagt  | acttcctgag  | 5700 |
| catccatcag | ggcacctgca  | taaataatgc | ggtatgaata | gtccatcagc  | tgagaagatt  | 5760 |
| cattgaacat | atactggcta  | atttcgatgt | attggctctg | ttccggattc  | tgttcataat  | 5820 |
| actgtgcaaa | gtaacctgca  | tagttatgga | tttcacctcc | tacggctgcg  | gcaataacctg | 5880 |
| cttcaacaga | aggaaaaatc  | aagtcggcg  | ttatctgctc | gttacctgga  | taattaggat  | 5940 |
| cttcattgat | gtcaagggtca | cagcttgtag | acagacttgc | catcaataag  | gtatataatg  | 6000 |
| ctaatttttt | cataaataag  | tttctttttt | aatgattaga | atttcacatt  | taagttgata  | 6060 |

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|             |             |             |            |             |             |      |
|-------------|-------------|-------------|------------|-------------|-------------|------|
| ccgaaattac  | gtgaagtcgg  | gtttgaagaa  | tattcaccgt | aattacctga  | caagtcatta  | 6120 |
| ccgaatgaag  | tagtttcagg  | atcgataaat  | gtgttgctgg | atgggtgtcca | aatgaacaga  | 6180 |
| ttattttccat | aagcagataa  | acgaacgccc  | tgcaaaggag | tcttggccaa  | ccattttcttc | 6240 |
| ggcaaattccc | agcttaatac  | tacagaacgc  | agtttgacgt | atgacttatc  | aatcagggtca | 6300 |
| atttcaccac  | ctataccacc  | catcgatca   | tagtagtagt | tacagatatc  | tgcacttgaa  | 6360 |
| actggtgttg  | tattttctac  | ataactgatg  | cttccatcgg | cattcgttac  | tttgtttaca  | 6420 |
| gagttaggaa  | tgataaaaagt | gttacgggtca | ttgtatgctg | tctggatagc  | gttacctgta  | 6480 |
| aagtaaagag  | tattcttagt  | ctttgaatac  | ataatacctc | cctgacggat  | atcaaagtca  | 6540 |
| gcactcaagg  | atacaccttt  | ataagtaagt  | gtagtagaaa | cacccatctg  | ataacggtta  | 6600 |
| ttcatatcac  | cataagcagc  | gaattcagcg  | gcagctacag | gtaaacctgt  | cgtagcgtct  | 6660 |
| gctacgattc  | taccttgagg  | gtcacgttct  | acagcttcag | ccttaaagac  | acccaaagggt | 6720 |
| tgtcctacaa  | tggcatacat  | acttgacta   | ccattcagac | cgtaaattac  | tttttcatta  | 6780 |
| cctaattctt  | ccggcaagct  | gacaacctta  | ctccagttct | ttgtgaaatt  | caatgtttaca | 6840 |
| tcccaactga  | aatctcttgt  | ctggatagga  | gtaccgctaa | tcagcaattc  | aacacctttg  | 6900 |
| ttactgatct  | tacctaagtt  | gatgttttgt  | gaaccatata | cggttgacag  | gtccatactt  | 6960 |
| aatgacatga  | tctgtttgtc  | tgaattacga  | ttgtagtatg | caatatcgaa  | tgacagacga  | 7020 |
| ttgtggaaga  | atgccatatt  | caaaccgaat  | tcatattcgg | tagtcatttc  | cggactcaga  | 7080 |
| ttagcactac  | ccaagatatt  | acctaattgt  | taagaattaa | ctccacccaa  | cgggaatttc  | 7140 |
| agataaccaa  | acggaattga  | atattgcgca  | gaaccatata | cagggttaa   | catatataca  | 7200 |
| tcggcatcgt  | taccggtctt  | accccagctg  | gcacgtactt | taccgaaagt  | aatgatgtct  | 7260 |
| tttattttcat | cgctcagcag  | ttcgctgaaa  | atgaagctac | cagttacacc  | cggatagaag  | 7320 |
| aagtcacggt  | tacccttcgg  | caatgtagac  | gaccagtcgt | tacgggcagt  | aacagtcaaa  | 7380 |
| tacaacatgt  | ttttccatga  | accttcgaac  | tgtccgaaca | cacccatcag  | acggcgaagt  | 7440 |
| tcgttatact  | gagtgcacgt  | aggagtctgt  | gaagagttcg | acagattaaa  | ccatgtagga  | 7500 |
| atagtcagat  | tgtttactcc  | cgatttctga  | taagaatatt | tacgttcgtt  | tccgttgaaa  | 7560 |
| cctaccaaaag | catttacatg  | gaaatcattg  | atcggcata  | cgaatgacaa  | caggaagtcc  | 7620 |
| tgattgattt  | cacgacggcg  | gctggatcat  | atgctatatt | caccatattg  | tccggcaaac  | 7680 |
| gggctacttg  | ctcccatacc  | ttcaccgtta  | ggagtacctt | cataatacaa  | agcgtataga  | 7740 |
| ttttctgctc  | cgtattcagt  | ttgtccggtt  | gtagagtcca | gaccatacag  | gtaggtgaac  | 7800 |
| ttgaagtact  | tcagaaaatc  | gtaatccaac  | tggaaattac | catagaaacg  | ttctgaattg  | 7860 |
| taagtattca  | gggtgtgttc  | cagaatatag  | taagggttca | ttacaccgta  | aggagtgtag  | 7920 |
| taatatcccg  | gagtattgaa  | cggatcggtc  | aagtcggcca | gactttctac  | attgatgtca  | 7980 |
| cgcggagtct  | gccacaaaga  | attggccata  | gatagtccct | gaccggttgt  | agcgaattta  | 8040 |
| ttgtcctgat  | aagcatagtt  | caaagaagta  | ctgaaagtca | gattacctat  | tttatgacta  | 8100 |
| cctctggctg  | agaatgtata  | cttgttgtat  | gagtctgcat | cggtagggat  | tataccatca  | 8160 |
| tcactaatct  | gagaaaacga  | aacaaaatat  | gtactcttat | ctgttgctcc  | attaaaagac  | 8220 |
| aaactgttat  | tatatctgaa  | gcctgtatca  | aagaaatctc | tcatgttggt  | ttcaacaggg  | 8280 |
| agataagggt  | ttatcttctg  | agaattgttg  | tacacattac | catacaattg  | catggatcca  | 8340 |
| tcgaaacgag  | gtccccaaga  | accgttttct  | aacagagtat | gtgaaccact  | ccaaccata   | 8400 |
| ccaaactcat  | tctgcatttc  | aggcatagc   | aagacagacg | accactgtac  | gccaccgtta  | 8460 |
| tattcgatgc  | ctaattcttt  | tcctttttta  | ccactctttg | tcgtaatcat  | gacgacaccg  | 8520 |
| tttgctgcac  | ggctaccata  | aagtgtgtgt  | gcagcagcac | ctttcaggat  | tgtcatgttt  | 8580 |
| tctacgtcat  | ccggattcac  | ggcattagca  | ccattaccaa | agtcatatcc  | tgtgttcaat  | 8640 |
| ccatcgcttg  | aagatacaga  | agagttatcc  | aaaggctact | catcgattac  | gtacaaaggc  | 8700 |
| tgggttactgc | cgctcaatga  | acttactcca  | cgaatgatga | ctgagttaga  | agctcctgga  | 8760 |
| tcggaagagg  | tagcagaaat  | ctgcacacca  | gcaattttac | ctgcaaggct  | agacattaca  | 8820 |
| tcagaagtac  | gagttgcaga  | gattttttct  | ccattaactg | aagttgctga  | ataaccta    | 8880 |
| gctttttctg  | atctttttat  | acccattgct  | gttactatga | cttcgtccag  | catttcgcta  | 8940 |

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|            |             |             |             |            |            |       |
|------------|-------------|-------------|-------------|------------|------------|-------|
| tcggatttta | atgtaatfff  | cataatcggg  | ttaattgcaa  | cttcctgagt | ctgcaaaccg | 9000  |
| ataaatgaaa | ccaccaaaagt | ttttgctgaa  | ctttatata   | tgtaaatctg | ttgattatta | 9060  |
| ggatgtatgt | gtatfffctc  | tatttatatg  | accttacttc  | ttgtatfff  | tgagaagggt | 9120  |
| gtttgatata | ggtttctacc  | tgtttctat   | agtttcttt   | tatttaata  | ggccttttac | 9180  |
| ttttgccagc | gttttaagtc  | cttaactatc  | atttcaggga  | aaatcactag | tgtcccgtta | 9240  |
| aaatgggacg | agttaaacaa  | ttaatcaa    | agccccggaa  | taatgggatt | atatagatct | 9300  |
| ttgacatcat | tgaaattagt  | cttgctgaac  | aggtcacgca  | agagggtttt | gtctgtcaat | 9360  |
| gatatgctga | gaatttgcaa  | aacttcata   | gtagagcgtt  | tcaacttc   | atcatgttgg | 9420  |
| acaatagcca | caagacagta  | tgtgataata  | gcgacactga  | tttgtatg   | gacggcgttc | 9480  |
| tctgttgtgc | cccagaatff  | ctttatcttg  | aggtgctgct  | tgagccatff | gaagaacagc | 9540  |
| tcgatcaacc | atctfffctt  | gtaaagattg  | gcgacatcca  | atgcagaaa  | ttgtttcgca | 9600  |
| ttcgtcagaa | aagtgaagtc  | acggatcat   | tcttcacgt   | aatatcggac | gagtctgaat | 9660  |
| gactccggat | atttcttccc  | ggagagata   | ccggatcagt  | tacttccgc  | atctgtcatt | 9720  |
| atgttctttg | gcattctccg  | cttccatff   | actgtcttat  | actttaagtt | cgtcttggcc | 9780  |
| ctgacaacaa | agaaagagtc  | tgtaagatgt  | atcctataga  | gctctttaa  | agaatcata  | 9840  |
| gccctgtcga | atatataata  | agcatttgg   | tcataatgga  | ttgaagacat | cgctgtagaa | 9900  |
| tcatgctttg | aggcagtggt  | tacagtatag  | aaggcaggaa  | cttgtgcttc | aatgtcgtat | 9960  |
| aagacatgag | cttccactcc  | tccttcttg   | cttcggaact  | ttgccacag  | gaatgttgca | 10020 |
| agacataacg | gaatcgttgt  | tgaatcaaac  | gcataatct   | ttccggaat  | gtcaaggatg | 10080 |
| ttggtcgtcc | gcttctcgca  | ggcttccttc  | atcatataga  | aagcaaagtc | ttcgaagatt | 10140 |
| ctgtaatcgc | ggttctggtt  | ggctgtggca  | agagttgtct  | tggtatcgg  | ttcacgacct | 10200 |
| aacccaagat | gatattgctt  | gcccctatgc  | gcctcgaaag  | caacgattaa | gtctcgcagg | 10260 |
| ctctcacggg | tactcagttg  | cccaaacatc  | attgcaagca  | tctgattcca | gcaagtga   | 10320 |
| tgtttcacat | accggttgcc  | atcatacttg  | cgaacatagt  | tgttgaactg | agtcctgttc | 10380 |
| agaaaagcgg | ttaattgaga  | gaatacgtat  | ctgtcttgga  | acatagcagc | catttgtatt | 10440 |
| agactgcaaa | gttgcaaaat  | caagtccgtt  | tcatctcaag  | aaaccacgta | attgactata | 10500 |
| tttcaataat | ttcaaagaac  | tatttatcaa  | cttttacggg  | acagtagtga | gggaaatac  | 10560 |
| tactatattg | ttgagttggt  | tttatatttc  | gatgtccaag  | tagttttgt  | acagttgtta | 10620 |
| tttgtactcc | attatatatt  | aataatgtag  | catttgtgtg  | acgagctgta | tgaaaagaga | 10680 |
| agtgttgtt  | tatatgagcc  | attttcccca  | atcgtatcaa  | ttctttgttt | atcgtaggat | 10740 |
| taggtcttaa | tttgaaaaaa  | gattctttat  | ttttatattt  | ctttattatt | aaaagtgtct | 10800 |
| ttccatgaaa | tagtaaatff  | aaaggtaatt  | ttatttcttc  | tttcgttttt | atggaacgga | 10860 |
| atatcaacca | atgatctccg  | tttaaaaaga  | tgaaatfftt  | cggagtcagc | tgtttgaa   | 10920 |
| ctgaatatcg | taaccctgta  | taacagcaaa  | ataaaaaagc  | atccagtgtg | tgtgaaagat | 10980 |
| gattccattg | ggatggaatg  | gtgagtttct  | ctaattgccg  | aagttcttct | ggtaataaat | 11040 |
| atgaatgtct | ggtagggcct  | gtttttacat  | gataattccg  | gaaaggataa | tcttctgggg | 11100 |
| ataaatatcc | ttgtttgatt  | gcttcattaa  | tcaggctttt  | caagtgtgac | atatgtttag | 11160 |
| ctatcgtatt | tattgcatag  | tgtcgtttta  | ttagataatg  | ttcaaaatct | aataaaaaag | 11220 |
| aataccttat | atcagaaaaa  | ttgagagagt  | gtgtataggt  | ttgcaataaa | tttaagggtg | 11280 |
| ttttcaagtt | atfftttagta | ctttcctttt  | ttgaagaact  | ttctacccat | tttctaccaa | 11340 |
| atgtaatgaa | tgattccgag  | gaaagatggg  | atffgtctgat | ttccgatttc | aatattgcca | 11400 |
| atgtgatagg | tatattfftt  | ttccaatact  | ccaattcttt  | ccattgtaac | tttaagataa | 11460 |
| attcatcaat | catacgattt  | aattcctctt  | gatgaggatg  | gttttgtata | attctttttt | 11520 |
| gagtattcca | ttgttcagga  | gatataataa  | tatgtgtgga  | aaaatacact | tttcttttat | 11580 |
| caagatatgc | ttctatttgg  | ataagtgtt   | ctcctttctt  | atttaatacc | tttttacgat | 11640 |
| tatatacaat | acgatactta  | atffttatgca | ttgacatcac  | tgctgtccgg | agaaatffta | 11700 |
| ccacagcgta | agctgtcttag | gaccatcacc  | ctctggaaca  | ttagtagtga | gtcgggtttg | 11760 |
| attaaatata | tctttgatgt  | cgcctctttt  | gaagaggact  | tgccaatag  | aatttgaaat | 11820 |



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|             |            |             |            |             |             |       |
|-------------|------------|-------------|------------|-------------|-------------|-------|
| ggaatgaagg  | cttggattca | acataataatg | tttcttcgca | atgataagca  | gaagatagtc  | 11880 |
| acagatagct  | atccatatct | gtgtgtacac  | ggcatttttg | gtggttccat  | agaatgtctt  | 11940 |
| tatgtgcaga  | tgctgcttta | tccatttgaa  | gaacagttca | atttgccatc  | tctccctgta  | 12000 |
| caactcggca  | atagtcaatg | cctcaagttt  | gaagttattg | gtaaggaaac  | ggtaaactgt  | 12060 |
| atttgtgctg  | aagtcttcat | acacaacaag  | tctaagagaa | tcgggatact  | tcctggaagt  | 12120 |
| gagtggcccg  | gtcaatttaa | tcgtttcatc  | agagagaagt | ccggcagatt  | ggtctacttc  | 12180 |
| tctactatca  | agaatttcgt | aaagcatatt  | ttcttttgct | cttgttacaa  | aaaaggcata  | 12240 |
| attaagatga  | aaatgccgga | acaaagagtc  | aaacttaaca | tatcctttgt  | ccataagata  | 12300 |
| ataagagttg  | gcttctacag | gtatcttata  | cataattttg | gaatcgtgga  | ctgctccttc  | 12360 |
| tgtcagatga  | acaaatgtcg | ggatggaacc  | cctaagatcc | atcaagggtat | gcatcttgat  | 12420 |
| tgctcctctc  | tcatgatgaa | acttagccca  | tggacaaagc | ttcagacaca  | gttctattgt  | 12480 |
| gctactgtca  | aaagcataga | ccatttcata  | caagtcaagt | ctaagtttct  | gccccttata  | 12540 |
| tgcttccctt  | gcttgccgta | tcagtacttg  | tgcaaaatcc | tgatagatac  | gccaatcctt  | 12600 |
| cttttcattc  | gcttcggcca | aggtggattt  | gggcattacc | ttgataccag  | aacggtaaag  | 12660 |
| gtcaggagaa  | caaaggttaa | gtgtagtctc  | tatgtctctc | agacctgacc  | tgtctgtgaa  | 12720 |
| ctgggcaaaag | ctcattacca | tgaactggtc  | acggcaagtg | aacttgacgg  | cgtgcctgtc  | 12780 |
| acccttatag  | cggttgacgc | acttcttaaa  | ttcgtatacg | tttataagag  | acataacctg  | 12840 |
| tgcaaataat  | gtttttcctt | tgttcatagc  | ttgcagaatt | ggctgtttat  | accttcttgc  | 12900 |
| aaaactatga  | tttctaactg | aaaaatttta  | ttagcctcgt | aactaactga  | gtattaatca  | 12960 |
| ataatagcta  | ttttggagaa | ttttctccgg  | acagcagtcg | attgacatat  | cttttcctcc  | 13020 |
| tttacataag  | tctatatatt | attcaataaa  | tattaattat | ttataacttg  | ttcgggtgga  | 13080 |
| aaagtgttaa  | aaagcagctt | ttttgccatg  | atttgctttt | aaaatgcaag  | aaattttaatt | 13140 |
| tttattatta  | tttttgcact | cgatttagag  | taaaacaata | attattaatt  | gtaagggttaa | 13200 |
| actttaagag  | agatttttat | gaaaagaaaa  | ttgatgctgt | taatgacctt  | cctgggtgata | 13260 |
| ggaataggtc  | tggtaaacgc | acaagtctct  | aaagtaacag | gtgttggttac | ttctgaagaa  | 13320 |
| gacggtttac  | ctatcgtggg | agcatctgta  | ttggtaaaag | gtactactgt  | tggtactgtt  | 13380 |
| accgatctgg  | atggtaattt | tacattgact  | aatgtgccaa | gttcagcaaa  | aactttggtg  | 13440 |
| gtttcattta  | tcggtttgca | aactcaagag  | cttgaaatca | agcctattat  | gaaagtgggt  | 13500 |
| ttgagatctg  | atagtगत    | gctggacgaa  | gtaatggttg | tggtttacgg  | aacagcaaag  | 13560 |
| aagtcactct  | tactgggttc | tgcttctact  | atcaaggctg | aacagattac  | ttcaggttct  | 13620 |
| aaagaatctt  | tggtataagg | tttctctggt  | aaaatggctg | gtgtacgtgt  | agcttctgct  | 13680 |
| actggtgacc  | cgggttctat | gggtgaaatg  | aatatccgtg | gtgtagggtc  | tatcaatggt  | 13740 |
| tctaagactc  | cgctgtatgt | aatcgacggg  | gtggttatga | aatcagatgg  | tgatatgaac  | 13800 |
| tattacggaa  | agctcagag  | tgtattgagt  | actttgaatc | ctgatgatat  | tgaaagcatg  | 13860 |
| acagtgttga  | aagatgctgc | tgctgcttct  | ctgtacgggt | cacgtgcagc  | gaacgggtgtg | 13920 |
| gttatcatta  | ctacaaagag | tggttaaggaa | ggtaagaccc | gtgtttctta  | caacgggtgaa | 13980 |
| gtgggatgga  | acaagatggc | tggtgaccag  | tataatatga | tgagcgctca  | agactatatc  | 14040 |
| ggatatgtcc  | gtgagtctgt | agctaactac  | tatctggaaa | atggatatgc  | ttcttcgaaa  | 14100 |
| gatgatgctt  | atgctttggt | tgaatcgga   | ggtgatgttg | ctgcatttgt  | aaacgatcct  | 14160 |
| tcaggtaata  | ccaatacaaa | ctggaaagat  | gaaatctacc | gtacagcagt  | tactcagaat  | 14220 |
| catcaggttt  | cattgaatgg | tggtaatcag  | agtactaaat | tctatgcagg  | tgtagggttac | 14280 |
| aacaagagcg  | aaggatttgt | attgggaagt  | gatttccagc | gtatctctgc  | ccgtgtaaac  | 14340 |
| gtagaccaga  | aaatcaataa | ctgggctgat  | ttctctgtaa | aacagatgat  | cgcttctact  | 14400 |
| acacagaacg  | gtttccgtga | ccagaatgac  | caggctcaag | gtttgggtac  | aagtctctccg | 14460 |
| cttggtatcc  | tggtcgcttt | ggatccaact  | gctccagtaa | agaatgaaga  | cggtacatac  | 14520 |
| aatgcaaatg  | ctgggttatg | ccaggtaagt  | aaccctcacc | tgatgttggg  | tggttaaggat | 14580 |
| agcgatacag  | caatggaatg | gatccagagt  | aagatgttcc | gtagcttgac  | caatgcagaa  | 14640 |
| ttgggcttgc  | acttctgga  | taagattttc  | ttcaaatcta | tcttcggata  | cgactatatc  | 14700 |

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|             |             |            |             |             |             |       |
|-------------|-------------|------------|-------------|-------------|-------------|-------|
| gacaacaaac  | acttcgaata  | ttgggaccgt | gacggtgtga  | acggtgcatc  | tgtcggaggt  | 14760 |
| atgggttctc  | gttacacttt  | ccagaactca | acattgacaa  | gttcaaatac  | attgacttat  | 14820 |
| actgatactt  | tcaacgatgt  | acataacttg | tctgtaattg  | ccggttttga  | attagaaaac  | 14880 |
| cagaatttgc  | tgcagattat  | tactgttgct | aaaaactatt  | caaatacatt  | gcctgaattg  | 14940 |
| tcaaacggac  | agcctgatgc  | agcttcaagt | tatgattatg  | gttctgcaat  | gatgtcttac  | 15000 |
| ttcggtaatg  | taaactataa  | ctaccatgac | aaatactact  | tgtcagcttc  | attccgctcg  | 15060 |
| gatggttctt  | ctcgtttgag  | taaggataac | cgttgggcta  | acttctggtc  | tgtatccggt  | 15120 |
| gcatggcgct  | tgagcaagga  | aggcttcatg | gaagatatgc  | cgttggtttac | agacttttaa  | 15180 |
| gtgaaagctt  | cttacggtac  | aatggtaac  | ttgcctacag  | attactatgg  | ttacatggac  | 15240 |
| ctttatgcag  | gttctggata  | tggaaataat | ccagctattt  | attgggcaca  | gttggcaaac  | 15300 |
| agcgaactga  | cttgggaaaa  | atcaaagaac | ttgaacgttg  | gttttgaatg  | gaatatgttc  | 15360 |
| ggtaaggtaa  | ctttgtctgc  | tgaatattat | ctgaagaata  | caacagattt  | gctgttccag  | 15420 |
| gttccgactg  | cttttgaaac  | aggtttttct | agtcgttggg  | ctaatttggg  | tcagttgaaa  | 15480 |
| aatgacggtg  | tagaaattga  | agtgaattca | cagaacatta  | ctacaaagga  | tttctcatgg  | 15540 |
| acaactaact  | ttaacttgac  | ctatcagcag | gctattatta  | aggaactgcc  | ggaaggtaag  | 15600 |
| gatatccagt  | atggtgacgg  | tcagatgtac | atccaccgcg  | aagggtgaatc | aatgtattca  | 15660 |
| ttctattttac | cggaatgggc  | aggggtgaat | cctgataacg  | gagaaggact  | gtggtatggt  | 15720 |
| gatccagcag  | accactcgaa  | aggtactacc | aataaatatg  | cagaagctgg  | atggggtatc  | 15780 |
| gtaggaaagg  | cattgcctga  | tgtaatgggt | ggtttgacta  | acacctttac  | ttataaagat  | 15840 |
| tttgacttgt  | cgttcctgat  | ttcttatcag | ttcgggtggg  | atatgttcga  | ttatccgggc  | 15900 |
| tattttactc  | acaatgacgg  | tcttcgttta | ggaagcactg  | ttcctgaagc  | tgatgctgct  | 15960 |
| gattattgga  | ctaaaccggg  | tgataacgct | gctaataccga | aacctgttta  | tgcagctctg  | 16020 |
| tctactcagg  | gtcgtacaga  | ccagttctca | agccgtcagg  | ttaaatcaac  | agacaatatc  | 16080 |
| cgtttgcgtg  | aattttactgt | aggatacaac | attccggtga  | agaaatacat  | caatcgtctg  | 16140 |
| agagtgtact  | tccgtgccaa  | caatccgttc | ctgatttggg  | cgaagactga  | taatgttgat  | 16200 |
| ccggatgtag  | caatcaacgg  | ttaccgtcag | gtagatactc  | cgcagttgaa  | gagctgtgtg  | 16260 |
| tttggtgtaa  | acttagaatt  | ctaatactta | acttgttcag  | aaattatgaa  | atttaaatat  | 16320 |
| atagcagcat  | ttgcgtttgc  | agtagcattg | gcttcttgcg  | atatttttga  | taaggagccc  | 16380 |
| tctgattctt  | gggattcagg  | ctctgctatt | cagactgtgg  | acgacttgaa  | atatgccgtt  | 16440 |
| aacggtgtgt  | atgaaactca  | gactggtaat | gtgagtcagt  | ttggtaacta  | tacaggtgat  | 16500 |
| tttggtttgt  | ttgctgatat  | gaaaggtagt | gattataagt  | gtgtaggtaa  | taataatcaa  | 16560 |
| gctgctgaga  | tttcaaaaata | tatggcaaca | gcaactggaa  | atttacctga  | agcaatttat  | 16620 |
| tatttgttct  | ataagtcaat  | agctcgtgca | aataaagtaa  | tggaacagac  | taaggctgca  | 16680 |
| ggcttgacgg  | gtgatgaagt  | aaatgcatat | atgggcgaac  | tttatgcttt  | acgtgctttg  | 16740 |
| tttcaactcg  | acctggctcg  | tgtatatgca | cagcttccta  | ctgtagcaaa  | gagcatggac  | 16800 |
| gatatgggta  | tcgtattggc  | cacaaaaact | cttgattata  | catttgtacc  | ggaacgtgcg  | 16860 |
| actttgaagc  | agacttacga  | aactatcttg | gctgattttg  | atgaagccat  | taaactgatg  | 16920 |
| gagcctattg  | aaagtacaca  | cgataagaat | agcacaactg  | gtcatatgaa  | ctattgggct  | 16980 |
| gctttggcat  | tgcgcgctcg  | tgtcaacctg | tattttggata | atgtagatgt  | gaacgggtact | 17040 |
| actgagcata  | ataaaattggc | cttggtgat  | gcaaagaaaa  | ttatcgaaga  | aggtccgtat  | 17100 |
| tcattgtaca  | aatatgcaga  | ctatacttct | gtatgggcta  | aagaattttac | agacgaaagt  | 17160 |
| atttttgaat  | tccagactac  | ttcgcagtat | aaccacagc   | gtaattcgtt  | ggggtattat  | 17220 |
| acagacccaa  | ctggttatgc  | tgaagctgca | atgagtgact  | cttttgtgga  | tgattttgtg  | 17280 |
| aaaaatccgg  | attatgcaaa  | ggatattcgt | gtaagcacag  | gtatgattaa  | agaagaaagt  | 17340 |
| gatggaacta  | aaaacaaagc  | tttctatact | cagaaatatc  | cgggtcgcga  | tggtcagatt  | 17400 |
| tacgtaaaca  | atgcaaaagt  | attccgtttg | tctgaaatgt  | atttgattgc  | tgcagaagca  | 17460 |
| gctctgaaaa  | ccaatgatga  | aacagcagct | gccaaatata  | tcgatgattt  | gcgcaaggaa  | 17520 |
| cgtattgcag  | actatgtagc  | aggttctact | gttagtgtaa  | ccattgatga  | tattctgaca  | 17580 |

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|             |             |             |            |             |             |       |
|-------------|-------------|-------------|------------|-------------|-------------|-------|
| gaacgtcgtc  | tggagttgaa  | tggatgaagga | cacatggcat | gggatatgtg  | gcgtaatgga  | 17640 |
| aaatcaatta  | ataacccggt  | tgcaaaagag  | gttaaaccag | gtgcttataa  | tgctgtgttc  | 17700 |
| ccaatcccac  | aagctaatat  | caatacttct  | cacggagcat | tgaaacagaa  | tcctggattc  | 17760 |
| taatagaata  | ggggattaat  | aatataggag  | gagttaaagc | agttggagtt  | gaaaaatact  | 17820 |
| ctgactactt  | taactccttt  | ttttatacct  | catacaggag | gaaatgttac  | ttatacagta  | 17880 |
| agtcgtcgat  | acaagtaacg  | tttgatgatt  | gtataaagaa | aaaattatat  | ctttgcaaga  | 17940 |
| caaagaaata  | caagaagctg  | aatgaaagaa  | tttgtgatat | cagaagcaca  | gaccgagaag  | 18000 |
| gctgtgttgg  | ttggtttggat | tactcaaact  | caaaatgaac | gtaaaacaaa  | tgaatatctg  | 18060 |
| gacgaactgg  | cttttcttgc  | agaaacagcc  | ggagcggagg | ttgtgaagcg  | ttttactcaa  | 18120 |
| aagttggata  | ccccagttc   | tgtaacttat  | gtcggaaaag | gtaaattgca  | ggaaataaaa  | 18180 |
| gaatatctgc  | ttgctcagga  | agaggaagaa  | aatgaaattg | gtatggtgat  | tttcgatgat  | 18240 |
| gagttatctg  | ctaaacagat  | tagaaacatc  | gaaaatgaat | tgaaagtaaa  | gatactggac  | 18300 |
| cgtacttcat  | tgattctgga  | tatatctgcc  | atgctgtcgc | agactgccaa  | tgccaagaca  | 18360 |
| caggtagaac  | tggcacaata  | taaatatatg  | ttgcctcgtt | tgcagcgttt  | gtggactcac  | 18420 |
| ttggaacgtc  | agggaggtgg  | ttccggtgca  | ggtggaggta | aagggttcggt | aggtttgcgt  | 18480 |
| ggtccgggtg  | aaactcagct  | ggaaatggac  | cgtcgtatta | tcttgaaccg  | tatgtctctt  | 18540 |
| ctcaaacaac  | gcttggcaga  | gattgatacg  | cagaagtcta | cgcaaagaaa  | gaatcgcgga  | 18600 |
| cgcattgattc | gtgtggcttt  | ggtgggctat  | acaaatgtgg | gaaaatctac  | actgatgaat  | 18660 |
| ctgatggcaa  | aaagtgaggt  | ctttgcagaa  | aacaagcttt | ttgctacgct  | cgatactaca  | 18720 |
| gtcagaaaag  | tgattattga  | aaacttgcc   | ttcttgctct | ccgatacagt  | aggattttatc | 18780 |
| cgtaaaacttc | caacagattt  | ggtagaatca  | ttcaagtcga | cattggatga  | agtgcgtgag  | 18840 |
| gctgatttgc  | ttttgcatgt  | agttgatatt  | tctcatccgg | atttcgaaga  | gcagatttcag | 18900 |
| gtggtggaca  | agacaattgc  | tgatcttggg  | gcaggaggta | agccgactat  | gattgtcttc  | 18960 |
| aataaaaattg | atgcatacac  | atatgtggaa  | aaagcagaag | atgatttgac  | tccgaaaacg  | 19020 |
| aaggaaaata  | ttacgctgga  | agagcttatg  | catacatgga | tggctaagat  | gaatgataat  | 19080 |
| tgtatcttta  | tttcggctcg  | taataaaacg  | aatatcgatg | aactgaagga  | aattgtttat  | 19140 |
| aagaaagtaa  | gagagttgca  | tgtgcagaag  | tatccttata | atgatttcct  | ttatcaaact  | 19200 |
| tatgatgaag  | aataattatg  | ataaatttcc  | gttcgctgac | tgatgaagaa  | ataaacaggc  | 19260 |
| tggaatcgca  | gctttgttcg  | gcttccgact  | ggaaggatgt | acgggtggct  | gaacgtttca  | 19320 |
| ctcctgacta  | cgtacatcat  | gctcgttttt  | ccgggaaggt | gtgtctggga  | gtatttgaac  | 19380 |
| acgaatttac  | attgccggga  | ggtatctgta  | agcattccgg | attatcgtat  | gtgactctgc  | 19440 |
| ataatgtgac  | agtgggagat  | aactgttgca  | ttgaaaatgt | aaagaattac  | attgctaact  | 19500 |
| atgagattgg  | ggcatataca  | tttatcgaga  | atgtagatat | tattctggta  | gaccggaaat  | 19560 |
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| tgattcatga  | ccgtctttct  | gcacatcagg  | catatattat | ggcactttac  | cgtcatcgtc  | 19680 |
| cgcagctcat  | tgagcgtatg  | aaagcgttgg  | ttgaggctta | tgcagacgaa  | catgcttcgg  | 19740 |
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| gtatcgggtga | ctattgtgaa  | atagaggag   | ctggcagact | gaagaacggg  | agtattaaca  | 19860 |
| gtaatgctga  | cgatccggta  | catatcgggt  | acggggtagt | ctgtgatgat  | tttattattt  | 19920 |
| ccagtggttc  | tcatatagag  | gatgggacaa  | tgattaccg  | atgttttgtg  | ggacaggctt  | 19980 |
| gtcacatggg  | gcataattat  | tcggcttccg  | attcgttgtt | cttcagtaat  | tgtcaggagg  | 20040 |
| agaatggaga  | ggcatgtgct  | atctttgccg  | gaccgttcac | ggttacgcat  | cataaatcga  | 20100 |
| cgttgctaata | tgctgggtatg | ttttctttca  | tgaatgcagg | ttccgggtct  | aatcaaagta  | 20160 |
| atcacatgta  | taaattggga  | ccgattcatc  | agggggcatt | ggagcgggga  | gcgaagacga  | 20220 |
| cttccgattc  | ttatattctt  | tggccggcac  | gtatcgggtg | cttctcatta  | gtgatggggc  | 20280 |
| gtcatgtaaa  | tcatccggat  | acgtcggatt  | tacctttttc | gtatctgata  | gaggataaga  | 20340 |
| atacgactta  | tctggctccg  | gggggttaacc | ttcgcagtgt | gggaaccatt  | cgcatgcgc   | 20400 |
| agaaatggcc  | gaagcgtgac  | ttgcgtaaaag | atcctgtacg | cctggatcag  | ataaattata  | 20460 |

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|             |             |             |             |             |             |       |
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| atttgctcag  | tccgtatacc  | atccagaaga  | tgatgaaggg  | acggagtatc  | ctgaaggaat  | 20520 |
| tgcaacgggt  | atctgggtgaa | acatcgga    | tatatcttta  | ccagagtgcg  | aagattaaaa  | 20580 |
| attcggcggt  | gaataaagga  | attggctttt  | atgaaactgc  | cattcataaa  | ttcttgggta  | 20640 |
| attctgtcat  | caaacgtctg  | gaaggatatct | gctttaaaaa  | taatggggag  | atacgttgtc  | 20700 |
| gcttgcagcc  | agatacgggtg | ataggagaag  | gagaatgggt  | ggatatttcg  | ggattgattg  | 20760 |
| cacctaagac  | agagattgaa  | cgactgatga  | acgacatcga  | aacagggtaca | ttatatacag  | 20820 |
| tggaccagat  | tcatgatcgt  | tttgctgaaa  | tgcatgccaa  | ttattatacg  | tatgaatgga  | 20880 |
| cgtgggccta  | tggtaagatg  | ctggagtttt  | atgggctgaa  | tgcagaaacg  | attacggcaa  | 20940 |
| aagatatcat  | taacattgtg  | catcagtggc  | agaaatcagt  | tgttggactt  | gatagaatgg  | 21000 |
| tgtatgaaga  | tgccaagaaa  | gaattttctc  | ttacttcgat  | gacaggattt  | ggggcagacg  | 21060 |
| gcagcaagga  | ggaacaggta  | ctcgactttg  | aacaagttcg  | agggatgttc  | gaaagtaatc  | 21120 |
| cgtttgtgac  | agctgtgctg  | aagcatatcg  | aagtgaagac  | tgcattgggt  | aatgaattga  | 21180 |
| ttgaacgttt  | aagaggttta  | taaaaggcga  | tattactatg  | aaaaatata   | ggctgttttg  | 21240 |
| catgctgtgc  | tgtgtttgca  | tgatggctca  | ggctggaacc  | tatcgtaaaa  | gggaagtcag  | 21300 |
| ccatccgtgt  | tttatcacia  | ccaatacgtc  | aaaaattgag  | attaaaaaaa  | ttatcttgac  | 21360 |
| cgatgaacag  | acgcaagtgg  | atgctgtttt  | gtatgggtcaa | ccgggtgaaa  | tggcggttat  | 21420 |
| ttcttcgcat  | acatgtttgc  | gtactcccca  | gcaggagttt  | tgtttgcgtg  | aggcggaggg  | 21480 |
| tgtgtctatt  | gatggactga  | cgaaccgga   | agctattcct  | gcatcgggca  | agcattctat  | 21540 |
| catcctttct  | tttgctccga  | taccggcagg  | tgtgcatgct  | gtcgattttg  | tggaaaaaga  | 21600 |
| agaggactgg  | actatttggg  | gagtgcatt   | gagcaaggca  | gagccttatg  | tctatgtacc  | 21660 |
| tagtttttta  | cagactcgtg  | ttgtggagag  | gagtaagtct  | ttaccggaac  | ctcgtctgaa  | 21720 |
| aactggaaaa  | tcaattatta  | acggatata   | attggggtac  | gattcccaaa  | tggggttggg  | 21780 |
| tgtggtcttc  | cgtcattccg  | actggctgtt  | ttctgacgag  | tgggggaaaa  | cgggtgaaagt | 21840 |
| acgtcaggat  | ggatcttttc  | atattgaaac  | cgattttattg | attgccggag  | gtgctaagct  | 21900 |
| ccagattaat  | aaggctgaat  | tgaatctgtt  | tctttctccg  | ggagaggaga  | tgactgtata  | 21960 |
| tattcattta  | ccaagattga  | gtatgtcggc  | ttctcattta  | ctgaaaaata  | aatatggaga  | 22020 |
| gcagcagaag  | gcttggttcg  | acggaggaga  | ggaattgctg  | aatacggaac  | tggctacatg  | 22080 |
| gagatatact  | cttgctgttg  | atgatgagac  | tgattttgtt  | aataacacta  | cggggatgtc  | 22140 |
| ggatgaagaa  | tatgatgctt  | ttgtacagga  | tagactgaat  | gggtatgagt  | cagaactgaa  | 22200 |
| agatgataaa  | agagtgggtg  | aggcatataa  | agaatatgtc  | ttggccaatt  | tgaagggtgaa | 22260 |
| tgcattgggt  | ctacaaggta  | cacatgggtac | aatgccggag  | gaagtagatt  | ctccttatgt  | 22320 |
| cagatatagt  | agtgtattata | tgacttattt  | gcagtatctg  | gaaagagata  | aagggtgaaat | 22380 |
| gcaggatgta  | tgggaggata  | tgaagaaggc  | gagaagtatc  | tatcggaata  | ctgtgaagga  | 22440 |
| agaacgtatg  | agttcggacg  | acaggaaggc  | attgaatctg  | atcgggcagt  | cggaaatac   | 22500 |
| cacgtatgta  | aaggagaaaa  | tgcaggctat  | gcaggcgctt  | tcggaacgtg  | caaaggcttc  | 22560 |
| taaaggatat  | gttattgtctg | aattggattc  | cttggttgct  | ggagccgaca  | tcttacctgc  | 22620 |
| cattattttcc | cagcatcggg  | gaagtgccat  | tcttggtgat  | ttctgggcta  | catggtgtgg  | 22680 |
| accgtgtcgt  | aaaagtatgc  | cggctgttcg  | tttgttaaaa  | aagaagtgtg  | cggcaaagga  | 22740 |
| tgtggtttat  | atttacatta  | caggaccttc  | ttcgccggaa  | gatgcttgga  | aaaatgcat   | 22800 |
| agctgacata  | aatggagtac  | actatcgctt  | gacacagaag  | caatgggagt  | atctttgttg  | 22860 |
| ttcgtatggc  | attacgggca  | ttccgggata  | tctggttatt  | agttatgatg  | gaaagctaca  | 22920 |
| ggatcggtat  | gtaggttttc  | ccggggtgga  | tgttttacaa  | cgggacttgc  | tgagagccat  | 22980 |
| gaactaaggt  | gtttcggaa   | aagtaaaagg  | aaggttgcta  | ttgaagtgga  | ctagtggaaa  | 23040 |
| ctcctgtgag  | tttttgaatc  | atctgctaca  | aagattttat  | cttaattaag  | gaaaaatttc  | 23100 |
| gataatactt  | cgtacctttg  | ctgacatagt  | aactaacaat  | taattttctta | tcattatggc  | 23160 |
| aacaccagaa  | ttcaagtatc  | agccgatgtt  | tgaacacgga  | aaagatacta  | ctgaatacta  | 23220 |
| tttgcttaca  | aaggactatg  | tgtctgtaag  | cgagttcgaa  | ggaaaaccta  | tcctgaaaat  | 23280 |
| cgaaaaggaa  | ggtctgacag  | caatggctaa  | tgctgcattc  | cacgatgttt  | ctttcatgtt  | 23340 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| gcgtcgttct  | cacaacgaac  | aggtagccaa  | aattttgagt  | gatccggaag  | ccagcgaaaa  | 23400 |
| cgataaatac  | gttgctctga  | ctttcctgcg  | taacgctgaa  | gttgcagcta  | agggcgattt  | 23460 |
| gcctttctgc  | caggataccg  | gtactgctat  | tatacatggt  | gaaaaagggtc | agcaggatatg | 23520 |
| gactggatat  | tgtgatgaag  | aggctttgtc  | gctgggcgta  | tataaaacat  | atactgaaaa  | 23580 |
| taacttacgt  | tactcacaga  | atgctccgct  | gagcatgtac  | gaagaagtga  | acactcgttg  | 23640 |
| taaccttccg  | gctcagattg  | acctggaggc  | taccgaaggt  | atggaatata  | acttcttgtg  | 23700 |
| tgtaaccaaa  | ggtgggtggt  | ctgccaacaa  | gacttatttg  | tatcaggaaa  | caaaagctat  | 23760 |
| cttgaatccg  | gctactctgg  | ttccgttcct  | ggtagaaaag  | atgaagactc  | tgggtacagc  | 23820 |
| tgcttgcct   | ccttaccata  | tcgcatttgt  | cattggcggt  | acttctgctg  | aaaagaactt  | 23880 |
| gctgactgtt  | aaacttgcac  | ctactcatta  | ttacgataat  | ctgcctacta  | ctggtaatga  | 23940 |
| atacggacgt  | gctttccgtg  | acttggaaact | tgaaaaacaa  | gttttggaag  | aagctcaccg  | 24000 |
| tatcggtttg  | gggtcacagt  | tcgggtggtaa | gtattatgca  | catgatgttc  | gtattatccg  | 24060 |
| tctgcctcgt  | cacggtgctt  | cttgtccggt  | tggctctgggt | gtttcttgtt  | ctgctgaccg  | 24120 |
| taacatcaaa  | tgtaaagatta | ataaagacgg  | tatctggatt  | gaaaaactgg  | attcaaattcc | 24180 |
| gggtgaactg  | attcctgaag  | aattgctgca  | ggctgggtgaa | ggtaatgctg  | taaagattga  | 24240 |
| cctgaatcgt  | ccgatgccgg  | aaatcttggc  | tgaactcgat  | aagtatcctg  | ttgcaactcg  | 24300 |
| tctgtctttg  | aacggtacaa  | tcacgttagg  | tcgtgatatc  | gctcatgcca  | aactgaaaga  | 24360 |
| acgtttggac  | cgtggtgaag  | atcttcctca  | gtatattaaa  | gatcatccta  | tctactatgc  | 24420 |
| cggctccggct | aagactcctg  | ccggtatggc  | ttgtggttct  | atgggaccga  | ctactgctgg  | 24480 |
| acgtatggac  | ccgtatgttg  | acttgttcca  | gagtcatggt  | ggtagcatga  | ttatgctggc  | 24540 |
| taagggtaac  | cgtagtcagg  | ctgtaactga  | tgcttghtaag | aaacatggtg  | gtttctatct  | 24600 |
| gggttctatc  | ggtgggtccg  | ctgctatcct  | tgcacagaat  | aacatcaaga  | gcattgaatg  | 24660 |
| tgtggaatat  | cctgaactgg  | gtatggaagc  | tatctggaag  | attgaagttg  | aaaacttccc  | 24720 |
| ggcattcatc  | ctggtagaca  | acaagggtaa  | tgatttcttc  | aaacaaatta  | agccgcgttg  | 24780 |
| tactggaaac  | tgtaaataag  | taatttattt  | ccaatcgtaa  | aaataaaggc  | atcgctccta  | 24840 |
| agtatttcta  | agaggatgat  | gccttttctt  | tttatagctt  | tcaaagaagt  | tattgcagag  | 24900 |
| aatcagcaat  | aacttcgaat  | atttctgctt  | tgccttccag  | actgactttg  | gttactttat  | 24960 |
| cgtttgtcag  | ttcaagcttg  | aagtaggggtg | atgaaacggt  | tgtttctgat  | agtaagttac  | 25020 |
| ccttcttgtc  | gaattgtttg  | attttcaaag  | gagatgataa  | ctcattcatc  | aacaagggtat | 25080 |
| aagccttcac  | tccttgagggt | acttcaaagg  | aaatggactg  | agcaacctga  | taggaagttg  | 25140 |
| acaaattctg  | gtcgaaagca  | tagactgctt  | gctgtgggtt  | ttctgcttcc  | agcttgaatc  | 25200 |
| ctaagttttc  | tgcattgcagc | ggattttacat | cgaatgaacg  | gacggaagcg  | tagttcttgc  | 25260 |
| gttcggaatc  | cagtcttttc  | aggcgatcat  | agcgtgcttt  | tatggcatcg  | cctttccagt  | 25320 |
| tgtattacata | ttgttttagtc | aactcaccaa  | tcagcggagt  | ccagggtttg  | ccatctgccg  | 25380 |
| agcattccaa  | aatagcatgg  | tcgaaatagt  | ctacgtcgtc  | gacagaattt  | cttccttgca  | 25440 |
| ggatggatac  | ttctgttacg  | tcacgtacat  | ctctcaggtc  | tactccaatc  | cagtcgccgt  | 25500 |
| ccttttgtcc  | aataccggaa  | gtatagaagg  | tcgtcgtatc  | attatcgagc  | atcagtttgg  | 25560 |
| ttaagattgt  | tcctgagttg  | ccgaaagaac  | cgataccttt  | ataatctttg  | ggcgttgagc  | 25620 |
| ctaatagttt  | ctttaaaaat  | tcattgcgaca | tatcgtccat  | ggcattttca  | tagaaagggtt | 25680 |
| gcagtttcag  | cgtacccgat  | ttatgagctt  | cgtagttctt  | acggtcttct  | ttgctcatca  | 25740 |
| ggttttgtat  | gtacttgctc  | cagaaatcgg  | catcactctt  | tccgctacgg  | aaaatttgac  | 25800 |
| cgagttcaat  | agtgtgcttt  | cctctgggtt  | ctaatttacc  | gaattctacc  | agccagggggc | 25860 |
| ggagttcttg  | taacaaggct  | ttgttctcac  | atccttgttc  | catttcggcc  | ggaacttttt  | 25920 |
| caatcttttc  | gaattcagct  | tttaaagcct  | gagcagctgc  | atcattccag  | tcggcaatcc  | 25980 |
| tgaaggctct  | ggtttccac   | gattcatccc  | gtcgataacc  | gttttctgta  | tcacaggaat  | 26040 |
| ggatagcgaa  | tgtgcggtaa  | gcattctttg  | cttcaggagc  | caattcattg  | agtcctcttt  | 26100 |
| cccagttgtc  | gataggatta  | tagtttgcta  | tattccatgc  | atagtctgcc  | actccataca  | 26160 |
| gtgccagctt  | agaagcctca  | ccatgttcca  | tggggttact  | tatcactcca  | catacatcat  | 26220 |

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|             |            |            |             |             |             |       |
|-------------|------------|------------|-------------|-------------|-------------|-------|
| ctttggtttag | tgaagtatcc | agtccgtatg | caggaccttg  | taagatgaaa  | ttgcgaacat  | 26280 |
| aatcttgtac  | cggatagttc | caccaataat | atgcaggctt  | tttgatacgt  | gaattaatcc  | 26340 |
| attccatggg  | ttctggagtc | aaatcactac | ataccacatc  | tcctgtccag  | aatattttga  | 26400 |
| tgtctggatt  | cagagtgttt | ccgtaaatag | ccaggcttcc  | ttgtggagta  | ggatttgccc  | 26460 |
| aaagtttaga  | atagtcagtc | gggcagactg | tcaatggaga  | aacatctcct  | ttgactttga  | 26520 |
| caaattcatc  | tgtcagacga | tttaataatt | ctgtctgttt  | tacgggattt  | gttccttctc  | 26580 |
| ctgaaatatc  | atcgaaaaag | attgcaaaat | ctcttactcc  | caaatcatac  | atccagttga  | 26640 |
| atttgttcac  | cagattctga | taatcttctt | cattccattt  | gatatcttgt  | cccggatgga  | 26700 |
| tagcccatatc | gaaatctact | cgattgcgct | tgcaggcttc  | taccagttcc  | ttgatattct  | 26760 |
| gagcttcctt  | ttccggatat | ggaagtcgcc | agttcggaca  | gctatggaat  | gggtcatctt  | 26820 |
| taggtccata  | caagtaagt  | ttcatcttga | attttccgta  | gaaatcaatt  | agtacatac   | 26880 |
| gtacttgatg  | cgaccatggg | gtaccgtaaa | atccttctac  | tacaccgcgg  | ttgggaaggt  | 26940 |
| ctggataatc  | gttgatgtcc | agatagggtg | attgcttgtt  | ttgagcaatc  | gggctttcca  | 27000 |
| taagctggcg  | taaggtttgg | ataccgtaaa | aggctcctct  | ttcatcgtat  | cccacgattg  | 27060 |
| atattccttt  | tttatcgatg | tgcattggcg | atgctccgga  | aacttctttc  | actccttgtt  | 27120 |
| taagagctgc  | tttctttcca | aaatcgatag | ttagtttcac  | tcctttttta  | gcaagagtaa  | 27180 |
| ggaatcccag  | atcctgcgaa | aatttatcct | gtttgtcttt  | gagaaccaat  | ccagaagtca  | 27240 |
| tatccagcat  | gttgtttctg | tctacagtca | gtttgtgagg  | agttggattg  | atgataattc  | 27300 |
| cctgatggtc  | aatctttttt | ccaggaacag | gcaatacttg  | ttggatttcc  | agtcgttgtg  | 27360 |
| acgacaaatc  | aaactcggct | tcttgtgcga | ggaggttact  | gcatgctaag  | gcagatatcg  | 27420 |
| ctcctgccac  | tagtgatttt | ttatagtatg | tcattttcat  | acaatagttc  | gttaaaaaatt | 27480 |
| agcccagcct  | aagcggctct | ggcagtaaat | aaaatgagtt  | ctttgaaaag  | tttgtcaatt  | 27540 |
| aattgcgtgt  | ttggttcaat | cccagacacg | caaataaatc  | gttcaagcat  | gtaagcattg  | 27600 |
| tgtatgactg  | acttgcattg | tgatatggaa | tattttattc  | ccatcttctt  | acaggcagcc  | 27660 |
| ttggcgaggt  | ttatcgctgc | aagtgatgca | ttaaagtgga  | atgccagttt  | cctgaagtct  | 27720 |
| gtagactgac  | agtttgctat | tccggcatgt | tgcttggcat  | cccgaagca   | gaattcgagt  | 27780 |
| tggaaacgtg  | ttctgtaaaa | gtccaggaca | tcctgtgcgt  | tctgtatttc  | gtttgtagag  | 27840 |
| aaatacagct  | gccatttgtc | cgttcttcca | tccatggggt  | accatacagc  | caggctcaca  | 27900 |
| aagcgtttga  | gtgctttgga | gtatgctttc | agtccgtaaa  | gtttaccctt  | gttcactttg  | 27960 |
| tactcgttac  | atcttgtgat | gtccagattt | tcaaagtcaa  | ttttctcgtc  | atgtaatttt  | 28020 |
| ggacgtccgc  | gttttcctgt | cctattttct | aagggtggat  | aaaacaatac  | ggcatcattc  | 28080 |
| ctgaaacggc  | ttattacgtg | gaaaccgtta | tcgtacaatg  | gtttgatgaa  | agttgccttt  | 28140 |
| gaaaagaacg  | catcacacac | gactgtgcca | gaaatacgtt  | tcagctgttc  | ctgtatgctg  | 28200 |
| ataaggtaa   | agctgtacca | gtcaacaaga | ttcttctcac  | agctttccag  | cgttgcgttg  | 28260 |
| tcaggtgtct  | gtacagagcc | caaagtcata | cattcatggt  | tgtcaacgtc  | tataactcca  | 28320 |
| ataccggtta  | tttccagtc  | acgtttgtat | tcaccggcac  | aaccggacca  | gaaatagcca  | 28380 |
| atccacggcg  | ttttgctgcc | tgattttgga | atgaaagacg  | gatcaacggc  | tatcgcttgg  | 28440 |
| cgaccacctt  | taaggtgttc | cctgatgatg | gcttcattga  | aggaaaacca  | gtcaaagccg  | 28500 |
| tcgttctcaa  | aattgttgcg | gtatgtctgt | tccgagaaac  | atccataccg  | tcccatttgt  | 28560 |
| aggaaattga  | tgcggtcagg | tatagccatg | aataatttca  | ttgcatccat  | gaatactttc  | 28620 |
| tgaaaagatt  | tgcttatatt | tacagctgat | tcgagagcgt  | ttctgcactc  | ggattgggtat | 28680 |
| tgcataagga  | gtgattcttt | agtcataatt | aaaagtgggtg | aagtacttct  | aattttactaa | 28740 |
| aaatcagtga  | attatgaaat | actttttctg | ttgattttca  | gctgttttagc | atatcttttt  | 28800 |
| catccctttt  | cttactcctt | gacgatttat | tcttgacagt  | atttcaatga  | tctcttgaat  | 28860 |
| ataattttga  | accggattat | gccgattcta | tgtttaattt  | taatttatcg  | gtaaaaattt  | 28920 |
| accgaagtat  | tgccatttat | gaacatgaaa | aaaggaaaca  | ctaagtctgt  | aggagtcaat  | 28980 |
| ccgttccatt  | cggcatgagt | caaaggtgca | tagacatgtt  | tccaagagcc  | aggattattt  | 29040 |
| acgataatca  | tgcccgcgat | tgtaatctct | cttaagatat  | ctagtgagat  | gaggcgttgt  | 29100 |

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|             |             |            |            |             |             |       |
|-------------|-------------|------------|------------|-------------|-------------|-------|
| gctttttcca  | taacggtaag  | gtattatccg | tttaaaagat | acagattatc  | tgtcttcttt  | 29160 |
| gataatctgt  | atctttataa  | aaggtttatt | tattgctgaa | cttcctgctg  | acggtttagta | 29220 |
| tcccaccata  | cgtgtacggt  | agatccgtct | ccctgatttt | ggttcaatgc  | agagcttggt  | 29280 |
| gcattttcgc  | tgttttcacg  | gcgttcatcg | tctgtatatc | tcaattttct  | gatgaactca  | 29340 |
| tgattggctg  | gattaatggt  | ggcatcttcg | ctatgcagta | ccggagaaaag | tttcggatat  | 29400 |
| ccagttctac  | ggcattctgc  | ccatgcttct | ataccattcg | gatagagagc  | cagccatttc  | 29460 |
| tgagtagcaa  | ttttttccag  | tttctgttct | tgagaatcat | tttcattcca  | tgcaacgtta  | 29520 |
| ccggttgcca  | tataggtttc  | atcggttgct | gttgagaaaa | gagatgcata  | gctcaggaat  | 29580 |
| gaacggtcat  | ctgcgagaga  | agctttgatg | ccttccttgt | aattttctcc  | agcatcaccg  | 29640 |
| gctccattcc  | atcctagcag  | agctgcttca | gcctttaaca | aacaaacttc  | tccgtaagtc  | 29700 |
| ataatcttta  | acgggagagt  | aactgtgatg | ttcagtacgt | cttcgaagg   | agctgtctgt  | 29760 |
| gagttccagt  | ccggataggc  | ctgtaagcct | aaacatacgg | aatgttttct  | tacgttattt  | 29820 |
| tccggcaatc  | ctatttcagt  | agcgttcatt | ccattgggca | ggcctgagaa  | ctgatctccg  | 29880 |
| tcgtatgtat  | catctccggt  | tctctttgct | gctacgtagt | cttgcgtttg  | tccgaaccag  | 29940 |
| agagtcatac  | gtgggtctac  | tacagtactt | tcatgtttca | ggatgttctc  | catggtcttg  | 30000 |
| ctcatgctga  | atccgttcca  | taagctcatc | atgtacaacg | gatgtcccca  | tccccagtc   | 30060 |
| ccggtagcgg  | aagctgtcat  | ataagcattg | tcatcggttg | tggtcatgac  | tccacttgcc  | 30120 |
| agggtgctt   | cgccttcagc  | ttttgcacgt | gcagggttga | tatatgaaat  | tctcaaggcg  | 30180 |
| tagcgcaatc  | tcagcgagtt  | accgaaacga | atccattttt | gtatatctcc  | accgaataca  | 30240 |
| aggtcgttgt  | cagaggtaca  | ggtggtctga | ccttcccggg | tctcttttaa  | gatattttacg | 30300 |
| gcgtctgtca  | gttctttgaa  | gatatcttca | taaatggatt | cctgagaatc  | gtattttattc | 30360 |
| tgtgtttctc  | ctaaccagc   | ttcagaatat | ggaatatctc | caaaagtatc  | tgtcatacca  | 30420 |
| gccgtgttat  | aagcttgtgt  | aatacgaatc | atctgacaga | tattgggtttc | ttccgggttta | 30480 |
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| aaaccttcgt  | tcgaccatga  | gtcattgtag | ccataacggt | cggatgcaaa  | gcctgcatcg  | 30600 |
| gcattggcga  | agtattggca  | gtacatctgg | gcatacagat | tgctggctct  | ctggtaagga  | 30660 |
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| agctccatgc  | caaccaggaa  | taaactagat | aatattaaag | attgtttcat  | agctcaaaat  | 30840 |
| ttagaattta  | acatttaacg  | agaatccgaa | acttctagtc | ggaggcattg  | aaccatattc  | 30900 |
| gaatgcctga  | gcataatcgg  | cgcttgatat | agctgattca | gggtctaccg  | gagcatcttt  | 30960 |
| atagaagtag  | aacaaatcac  | gtcctacagc | tgaaattttt | acagcctgca  | acttgatggg  | 31020 |
| tttgagccaa  | gaagaaggaa  | ggttccatcc | gatagataat | tctctcattt  | ttacgtaagt  | 31080 |
| tcctttgtac  | ataaattctt  | cggcaacacc | acttgagcta | cctatttttag | tatagaactc  | 31140 |
| ttgagctgta  | acaggaatgg  | tattaacttc | acctgtcgat | gccaggaatc  | cgtctactac  | 31200 |
| catttcatca  | cgtccttcca  | atgtacgtgc | ggatgttccg | gctgaacagg  | cattggcatc  | 31260 |
| ggtcatagag  | atgaagtcgc  | caccataacg | tacatcgatc | aaagcattca  | gagaaaagatt | 31320 |
| cttccactgc  | aagcctgttc  | cgatagagcc | tgtccacttc | ggcagcatgt  | taccaatgac  | 31380 |
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| tctctgataa  | gcattgggtg  | cgacaatatc | accgtatttc | ccaccttcat  | tgacaactac  | 31500 |
| ggacgcaatg  | ctggtgctac  | ccaatgtata | acgtttgata | cctccacca   | gttctataca  | 31560 |
| atcggtacgg  | ttcgatcccc  | agttcaaagt | gatgtcccat | ttccagttct  | tagtcagaat  | 31620 |
| aggagtacct  | gttacagtca  | gttcgtaacc | tttactgcga | atcttacctg  | cattgatcag  | 31680 |
| cttgctggta  | tatccggatg  | gaaccggagt | attgatggca | agaatctggg  | cggtagttgt  | 31740 |
| actttgataa  | taagtaaagt  | cgacacccaa | tcggttctgg | tacatacgcc  | attccaatcc  | 31800 |
| ggcttcggtat | gaattgggtac | tttccgggtt | caggtcgctc | agtggaaagt  | catccggcaa  | 31860 |
| ctgcatttca  | agaatgggtc  | ctccatttac | caagctacca | tatttgctgt  | atgcataagc  | 31920 |
| cagtttataa  | ggatcagtat  | catttccgac | ttttgcccac | gatgctctga  | ctttcatgta  | 31980 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| atcgggtccaa | tccggcattt  | tcaacatttc  | agagataatg  | ccactcaagc  | tgactgacgg  | 32040 |
| atagaaatac  | gatctgtttt  | ctttaggtaa  | tgtagaagac  | cagtcgttac  | gtccggttac  | 32100 |
| atccaagtat  | aacatacttt  | tctagctcag  | agatgcgtta  | ccgaatacag  | actggatttc  | 32160 |
| ttttttatag  | aacgattcag  | atgcttctcg  | tttgtcaccg  | ttacccatcc  | agataaagtc  | 32220 |
| ggtaatctgg  | aaagtacctg  | catcacctgc  | aaggccttcg  | tatgattggg  | tctcgacaga  | 32280 |
| agtaccgagg  | ttggctgtaa  | cgccgaaatc  | tccgaatgtc  | ttggtgaagt  | tcaatattaa  | 32340 |
| atcggcagta  | aagtctttat  | gagaagtttc  | actatgaaca  | tattgtgaag  | ctgtcgatcc  | 32400 |
| atcagattga  | tgaatagcgt  | atttccggta  | ttggctcgtt  | taccagtcta  | cacctactcg  | 32460 |
| tccagtcagg  | ttcaggtaac  | tggtcagctt  | taacgatgcc  | ttgatttgct  | ccaagaaacg  | 32520 |
| gtttctggta  | tttttatttc  | cgttatcggg  | caatatcatt  | ccataagggg  | tggtatagtt  | 32580 |
| ttctgccggg  | ccgggtccagt | tttgtacctg  | tccgtttgat  | ttaaacatat  | cggtgctaag  | 32640 |
| gtcggacaaa  | cggataccac  | gtggcatggg  | aatgaactga  | gacatcaatc  | cgtaactacc  | 32700 |
| ttgtgccgga  | gagttgtag   | ttttttctat  | catataattg  | gcttttgctc  | cgacggtaag  | 32760 |
| aaaatcgttc  | ttgaattcgg  | tattcaagtc  | gaaatattga  | cggttgatag  | agtgattagg  | 32820 |
| tacgatacca  | ctgtttcggc  | tgtctgtgaa  | tgataaacgt  | ccagtgagtt  | tatcgcttcc  | 32880 |
| ggcagatgct  | gtcactgtat  | tcgagtattg  | tacgccgggt  | tcgtagaatt  | ccttgatgta  | 32940 |
| gtcatcttgt  | ggaagtaacg  | cgtattgacc  | gtagtctgta  | ttgccataga  | tgacattttt  | 33000 |
| ccagttgtcg  | accatctgac  | cttccatctt  | cggtccccag  | ctacctttgg  | cagaagtact  | 33060 |
| gaacacaccg  | ctggaacctt  | gtccgtaaac  | gttctgatag  | tcgtatgggt  | tatatacttt  | 33120 |
| gctgaattgg  | atattaccgt  | tgtattctaa  | ttgtagaggc  | tgtccttggt  | tacctttctt  | 33180 |
| agtcgtgatg  | ataatggctc  | cactctgagc  | tctggaaccg  | taaagtgcgg  | cggcgttggc  | 33240 |
| acctttcaga  | atagaaatgc  | tttcaacgtc  | ttcgggggtg  | atctgcgaag  | ctgcgctggc  | 33300 |
| gaggtcggta  | cctccgtatt  | catctacatc  | accgcttgaa  | tcacgttgta  | taggaattcc  | 33360 |
| gtcgattacc  | caaagtggct  | ggttctttcc  | actcaatgag  | ttcagaccac  | gcaagatgat  | 33420 |
| acgtgttgaa  | ccaccatac   | cgggaaccgga | ctgcgctatt  | tgtacaccgg  | caatcttacc  | 33480 |
| ttgcaacatg  | ttgctgaggc  | tgatagattt  | gttttcagtc  | aggttgtcgg  | tattgacttc  | 33540 |
| ctgcatggca  | tatcctaatt  | ctttcttttc  | tcgcttgata  | cccaatgcag  | taacaacaac  | 33600 |
| ttcggttaagt | tgttctgatt  | caacactcag  | ctggacattg  | agcttcctgt  | tattcccgat  | 33660 |
| ggctattttct | ttttctttat  | atccgataaa  | agaaatttgc  | agtatatttt  | gcttggcagg  | 33720 |
| aacttgacgt  | tcgaagtttc  | cattcatgtc  | ggaaatagtt  | cctatagaag  | ttcctttttac | 33780 |
| aagaatgttt  | gcgccaggaa  | tgctgtttcc  | ttgttcacgc  | gttatagtag  | ccgataaccgt | 33840 |
| acggcctttcc | tggtgtacga  | tggatgatgc  | tatcgctgaa  | ctggatggta  | catcatcagc  | 33900 |
| atagactgcg  | ttttggcagg  | ctaattgcaat | ggtaacaagt  | gatatccttg  | aaatccattt  | 33960 |
| ttcgcgttta  | aaattttttt  | tcataagaat  | gtgttttaaa  | ggttacggta  | aagaggattg  | 34020 |
| tgtattataa  | cttttccaat  | gttttccaac  | attgataaag  | tcctctaggt  | acatggaaac  | 34080 |
| atcctttcca  | tttgcttctt  | ttgagtggaa  | gcaaaacttc  | acctcttcgg  | ttcagataac  | 34140 |
| cgaaccattc  | aggatattct  | gggtccttga  | aatgactcca  | agtgtattga  | tggaactttt  | 34200 |
| cgaatacttc  | caggcatcgg  | ctgtcttttag | taagttgata  | accttttatc  | atggctatca  | 34260 |
| gtgtttcaat  | gtgaaccac   | catagttttt  | ggtcccatc   | cagttgctga  | ggagggaagc  | 34320 |
| ccttgccggtc | catgaaatag  | tagattcctc  | caaattcttt  | atcccagcca  | tactcgaaca  | 34380 |
| tttttagggc  | tgtgtctttg  | gcttttggtt  | tcaggctcggg | acggttcagg  | cgttctccca  | 34440 |
| aatccataat  | gaaccacatg  | gcttcgatag  | catgtccttg  | agtgatttgc  | cgctcttcga  | 34500 |
| agcaatcggc  | caatgttccg  | tcgctgttta  | cattttcaac  | aataatacct  | cctaattctg  | 34560 |
| gccgataaaa  | aacatccatt  | acttcgtgaa  | tacaagtatc  | tatgggtactt | tgcaagtaat  | 34620 |
| ctttatcaag  | tagatgttct  | atttccagag  | ctaggttgca  | cagaatcatc  | ggaagggcaa  | 34680 |
| aattcttta   | gtcgcgtgtt  | cctggatgga  | gcttattcca  | ttttcctttg  | ggattgtccg  | 34740 |
| ttttggaaa   | gatgatgtcg  | aatgtcttct  | ttgcaatttc  | ggcatattct  | tcacgtccgg  | 34800 |
| tcgctagact  | taactgaccg  | aaagccatgg  | ttgcgaatgt  | atatgaaaaa  | atattgtatg  | 34860 |



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|             |             |            |             |            |            |       |
|-------------|-------------|------------|-------------|------------|------------|-------|
| gctctaccaa  | aggttgtcct  | tgtctgttca | atgaaaagta  | ccagttgtag | ttaccgtcat | 34920 |
| gtccgtat    | cttcaagaac  | tctccacctt | gtatggcaca  | gtctagccat | tcttgat    | 34980 |
| tctccaactt  | gttgataac   | atggaaaata | tccagacttc  | tctgccctgt | agccagataa | 35040 |
| atttgtctgt  | atcgaacact  | tttcctgttc | gggccaggca  | agtaaagtaa | ccaccgcatt | 35100 |
| ctttgtcttg  | agaatgttgg  | atccaaaagg | gaagtacgtt  | attgagtagt | tcttccttgt | 35160 |
| attgttcttt  | taattgtttt  | aaatcggcca | taatacttta  | tttatcgatt | taatcatatt | 35220 |
| aataaatgta  | gagtactctt  | atgtcgcaaa | tatataaaat  | aatttattta | atattgttag | 35280 |
| cgtccaat    | tgacgtgtag  | tataggga   | gccgttttt   | agcggtttcc | tattaaaaaa | 35340 |
| atcaaaaaatt | gaacgtgatt  | attaatat   | attagtatta  | attccaattg | tcataggcag | 35400 |
| gagattttca  | taatcctttc  | tccctttgac | aatttcgtgg  | aagaatttct | tgagatat   | 35460 |
| cagagcagac  | agtcctgttca | tccggcatgt | tgacagcagt  | gtatggtagg | ctgccgatac | 35520 |
| atttgccatg  | cggctgcca   | caaagaacag | cgagttcttg  | cgttcacc   | ccagtgagc  | 35580 |
| gatgaaacgt  | tctgtctattg | aattgtctat | gtcataccgc  | ccatcgttca | gataggcaaa | 35640 |
| gagctgtttc  | cagaaaacct  | gaagataatt | cacagccttg  | tccatgagtt | ctccacgggg | 35700 |
| aggatgagtc  | ggagacagca  | gcacatccag | cttgcttctt  | atgcgcccta | taatttcctt | 35760 |
| ggttcgcaat  | gagtgtcggc  | agctggttat | ctcctgtgct  | gaaagccgc  | ttaatttata | 35820 |
| agtatcttcc  | agccggtaaa  | gctctccgaa | acagtctatc  | agatat     | catcgggatc | 35880 |
| atcgccctgt  | tcatatgcat  | agacaaattt | ggcacgtgca  | tgagccagac | aacagagatg | 35940 |
| ttccgtgtct  | accagttctt  | tatcgatgta | catataaacg  | ttgtaaccgt | ccgactgcag | 36000 |
| tgcccttacc  | tgctgtcctt  | tgaggattcc | cttgagaacc  | tttcgtcctc | tggaaccgtc | 36060 |
| ctcataacag  | tagattacta  | ttttctgttc | cttgtttacc  | aggcaccaga | catatttctt | 36120 |
| caagaaatgt  | ctgttcatct  | tcaccttgca | ccaggtctcg  | tcacagttga | caatggagtc | 36180 |
| cttgaccatg  | gcgcggtctt  | tcagtctctc | tatcagagcg  | cttgtaaaag | cggctccttt | 36240 |
| ggcgagccag  | ttgaccagcg  | tcacccggct | cagagacatc  | ttatgatccg | atagacggta | 36300 |
| catttcacgg  | tagtagggga  | cattcagcac | aaaatgattg  | aatgccagg  | gagccagaaa | 36360 |
| gtccgccgat  | gcatgagtc   | cgggaactac | gtctatgtag  | tccggttctc | cggctttcgg | 36420 |
| gaaatatccc  | tcacgaatct  | tgccgtcgga | ctgcttgtaa  | cggattacct | gatatttgtg | 36480 |
| ctccaatata  | tagcttatct  | gctggtaaga | atacttgtag  | aaggcttga  | tgattacggc | 36540 |
| atctttcggc  | agccggctga  | agtctgagtc | atgacatact  | gacttgcttg | ccttcatacg | 36600 |
| cctgtaagac  | atccccttac  | gatagggtct | ttcctctttt  | ttctccggtg | cttgtgaaag | 36660 |
| agcatcttcg  | tcacttgcg   | agacggatga | aggctcctgaa | gtcccgtcaa | agtcatcctt | 36720 |
| gttctcttca  | tgagaagggtg | cttcctcctt | tttcttgctg  | gaaatcttct | ggcttttaga | 36780 |
| cccgtacaga  | ttctttctgt  | cctgtttctt | ctgctctttc  | agggtgcat  | tttccttctg | 36840 |
| gagtttctct  | attaggatgt  | cccactggc  | tatcatctgt  | ttcagcccat | caataacctt | 36900 |
| gacttgcgct  | tgtgagcttt  | cgttcagatt | catcagctgc  | tctgtcattc | ggtccagctt | 36960 |
| ttccagaagt  | ctgtcccttt  | cttccttatt | cgctttacgc  | agggcaaaaa | gctcgtcaag | 37020 |
| cagcattgat  | ttttccatgg  | aattcatatc | ggaataacga  | tctgtccaag | gctccgcttg | 37080 |
| tttttcgcga  | agcctcagtt  | gttcggccga | agccagtatt  | ttttcaaatt | cacgatcgtc | 37140 |
| catgtcacct  | gttggtatac  | cataaagata | ctcattttca  | gtgacataaa | caaatgtttt | 37200 |
| atataattat  | ttacctgata  | ttcaattgat | taattacagg  | attctgtaac | agcacaacta | 37260 |
| catccttcca  | ctgtatgctg  | tatatggttt | catctccctg  | acggcataac | tgcatgaacc | 37320 |
| tgtaaccttc  | acagaaacgt  | ttctcataga | ggctgaacga  | gcgcctgtca | tagctgaaga | 37380 |
| gacggacttt  | cctcctgtcc  | ttggacatga | caatgaaaac  | ttcatcttcc | tgtggctcgc | 37440 |
| ggttcagctg  | ctgatgaatg  | atggatagta | cccgttcata  | cttacagcgc | atatcgtgaa | 37500 |
| aattacgcag  | atagtaaaat  | ctgttcattc | ctgtgacatt  | cagcataatc | cctccagttt | 37560 |
| ctctatcaga  | cttctcaagt  | tccggtaggt | caagtttcgt  | tgctgtatcc | gtattccgtt | 37620 |
| tgtcatacgg  | atgtctatca  | tcatccttat | aggacagggt  | tccgtattct | cctttctttc | 37680 |
| cagagtagga  | gaagaggaca  | cttcctttga | ggattgtgta  | tccatttccg | gttgtccttc | 37740 |

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|            |           |          |          |           |           |       |
|------------|-----------|----------|----------|-----------|-----------|-------|
| tacttgtacc | ggtactat  | gatgtctt | atcctt   | cat       | agagatt   | 37800 |
| gggtac     | tttttcaa  | agaaatc  | gatggatt | cctt      | ttgcttcc  | 37860 |
| ctt        | atgaacag  | tttcaaa  | actgctg  | tacatact  | taatatt   | 37920 |
| gttacag    | cgaaggtc  | at       | ctttgagg | atacgtcaa | attggacg  | 37980 |
| tacttta    | ttgcatt   | gtgtcgt  | attctatt | tatttaatt | tttcaatt  | 38040 |
| taatcaaa   | tactatgt  | atttcttt | aatgaaat | atcgatt   | tatgataa  | 38100 |
| tatttgt    | attgcttt  | gtgaagt  | ttgctgt  | gcgagagaa | actgcctg  | 38160 |
| cagaagaaa  | atagaat   | tcttctga | ggctttt  | tatggagtc | agtttagt  | 38220 |
| acagaaa    | catctaca  | gatgaagg | ggtgtagc | ggaagcc   | ccatgctg  | 38280 |
| atttgt     | cggatatt  | agaaatt  | atatatc  | cagtttg   | cgaaaaag  | 38340 |
| agcgtat    | gtttgact  | tttctgat | tctgttg  | tagggcag  | ttcggatg  | 38400 |
| accttgt    | agactttt  | gtcggttg | aattctac | agatttc   | tgcgtcga  | 38460 |
| actccgt    | cagtagct  | acatgtgt | agagatac | atgtaatg  | catttctc  | 38520 |
| tttaagtc   | ttgtggca  | catatc   | ccattgct | atcctagc  | tttgccact | 38580 |
| ccgaaagt   | catttctg  | aattccgt | actaatgt | cgtttcc   | tccgttata | 38640 |
| ttctcat    | cggaaatc  | cagtgtaa | ggcttgtt | ttgcctgt  | gaaataaa  | 38700 |
| tgctgtt    | agatttc   | atttctt  | ggacgaat | caatggc   | tagggtaa  | 38760 |
| gtttgtt    | tttctatt  | ctttgat  | acagtaga | gtgaacta  | tatgctac  | 38820 |
| tcgagtgt   | agtgtatc  | tgcat    | aaagtaga | aggatact  | tgtacagcc | 38880 |
| gtttctg    | tggatgata | tgtggcat | acattca  | catgtttg  | gtagttgt  | 38940 |
| ttctccag   | catatagt  | gagcatgt | cccagccg | tgaggaaa  | atcgtaatt | 39000 |
| ttttgtt    | gattgtcc  | ttgaattc | gctagtgt | cccagcgt  | aagtacc   | 39060 |
| tattgtac   | gggagaa   | gggatgt  | tcagtcc  | gattagatt | tactccta  | 39120 |
| atgtgtt    | tctggctg  | tgtcagtt | ctggga   | gattgta   | gtatatct  | 39180 |
| tcaatagg   | tatatcct  | tatagcta | ggttctt  | cggtatcc  | tgctgat   | 39240 |
| aagtcaaa   | acataac   | attgggag | ataata   | cgtgtcc   | ctgggctg  | 39300 |
| ttaactcc   | ctgcttct  | tcgccagg | atgactgt | cttgagg   | ggcatctc  | 39360 |
| tccaatatt  | cgccccat  | aattgttt | ctacctt  | tcttaaga  | ttcggtt   | 39420 |
| tgtttcat   | tgaacttt  | tagatatt | tctttt   | at        | tgatttg   | 39480 |
| ccttgtt    | gcatgaga  | ttggcatt | ggacaatg | cccatcgt  | tttcgggc  | 39540 |
| tcattctc   | ctatatgt  | atatggag | ggaaata  | ggatgatt  | atcgaa    | 39600 |
| tcattctag  | actgtaag  | ttcagggt | cctgcaca | gtacattc  | cgaaatt   | 39660 |
| catttgg    | atacttcg  | aggcctc  | gtacagc  | attgcgga  | tgatgcc   | 39720 |
| gctgcctg   | tgtgtccc  | cagatct  | tccggtat | tcgtgat   | attcttg   | 39780 |
| gcatagtc   | ctatttct  | tatttgtt | tgagtata | atccttt   | gattttac  | 39840 |
| tcgtattt   | ccggttgg  | gttgaggt | ccgatta  | tttcttt   | ttcggagc  | 39900 |
| atttgtgt   | ggcgtgg   | ttttt    | tctatac  | atccctga  | gtctgta   | 39960 |
| tgccagtgt  | aggtgttc  | gttgtgc  | gccatcat | cgagatag  | tttaacct  | 40020 |
| tttacctg   | aaaaatgt  | acttacgt | aagtgtgc | cacggtat  | aaagcggg  | 40080 |
| aaatcatt   | tatgtact  | cgggagta | atgttttc | tatcttgg  | tatgggca  | 40140 |
| gactttct   | ggttctgt  | gccataaa | acgccgc  | cactgttt  | gttgata   | 40200 |
| atgtgctg   | tgcttact  | cagctgg  | ccttccg  | tcttgtc   | cgggaga   | 40260 |
| tgaaggag   | tggcgttg  | tgtatc   | cctgagc  | ttgttatt  | tttgtgag  | 40320 |
| ttgtcttt   | tatattgt  | cagcaatt | gcacaat  | taagcc    | gttttctt  | 40380 |
| ggatata    | tacgtgtt  | ctcgttg  | ataaatg  | tttcggt   | tactattt  | 40440 |
| atctgtgt   | gtagcgg   | gatttgat | tcggctt  | tgctttct  | ttgacat   | 40500 |
| aaaagtatt  | tcagaagt  | tattagg  | aaaatgg  | ttatgcgt  | tttcata   | 40560 |
| tggtaa     | gtgtatag  | aataaa   | attattaa | actgcaa   | tataatt   | 40620 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| tttgttttaa  | gcatgcgttg  | attgatagtt  | taatcttttt  | tatagattcg  | tgttctttta  | 40680 |
| atagcttctt  | agtgaattag  | ttgatgataa  | atctctttga  | aaaataagta  | gaattattat  | 40740 |
| ggatggaagc  | ggtgctttct  | gaaaaatgtt  | attatatattg | aagggagaaa  | taattaaaag  | 40800 |
| gaaatatgac  | tcgaaagtta  | ttggaagaaa  | tagaaagggg  | gtcgaagaat  | gcgctgacca  | 40860 |
| aaaaacggat  | tataacttat  | tatatgtata  | accgttcgtc  | gactattcct  | gatttgtcaa  | 40920 |
| aagagctcga  | tttaagtgtc  | cctaccgtaa  | ccaagtttat  | catggagatg  | tgtgaggaag  | 40980 |
| gatacattat  | gagctacgga  | aaacaagaaa  | caagtgaagg  | acgtcctccc  | actctgtatg  | 41040 |
| gcttgacatt  | ggattctggt  | tattttatag  | gagtggatgt  | aaagaaattt  | agtctaaaca  | 41100 |
| ttgggttaat  | gaattttgta  | ggcgactttg  | ttgacctgaa  | gatgggaata  | ccttatgaag  | 41160 |
| ctgataacag  | tccggaggga  | ttaaactcgg  | tatgtgggta  | tattgttgat  | tttatagcgc  | 41220 |
| aggcaagtat  | tgacaaggag  | aagattctga  | atatcggagt  | caatatctcc  | ggtcgggtta  | 41280 |
| atccggagct  | ggggtatagt  | ttcagcctgt  | ttaattttga  | agagcgcccg  | ctagccgaaa  | 41340 |
| taatgaccga  | aaaaataggt  | tataaggtga  | caattgacaa  | tgatacccg   | gccatgacgt  | 41400 |
| atggagaaat  | ggtgaaagga  | cttgtaaaag  | gtgagaagaa  | catcattttc  | attaacctga  | 41460 |
| gttgggggct  | cggggctgga  | ttaataatca  | atggagatat  | atctaccggc  | aaatctggat  | 41520 |
| tttctggaga  | attcgggcat  | ttcaatgtgt  | tcgataacga  | aatactctgc  | cattgcggaa  | 41580 |
| agcgcggtg   | tctggaacg   | gaggtttctg  | gcgcagcttt  | acatcgtaaa  | ttgatacaat  | 41640 |
| gtgtacaaga  | tggtaaagca  | tcgattctat  | cgaagcggat  | tttgcattga  | gatgcacctt  | 41700 |
| tgactttgga  | tgaataata   | tcagcaacca  | atcgtgagga  | tttgctttgc  | attgaactcg  | 41760 |
| ttgaggaaat  | cggtaaaaa   | ttaggacgct  | atctggcagg  | attgatcaat  | ctgctgaatc  | 41820 |
| ctgaactggt  | cattatcgga  | ggtgtactgg  | cgcagacggg  | agactacatt  | ctgcaaccga  | 41880 |
| taaagagtgc  | agtcgcgaag  | tattcattga  | atctgggtcaa | taaggattcg  | gtcattactc  | 41940 |
| tatcaaaaatt | gttagacaaa  | gcaggagtga  | ttggggcttg  | catgctatct  | cgtagaagca  | 42000 |
| tgtttgaaatc | ataattgcct  | gtttttcttt  | cttttttgtc  | cttcacaccc  | ttcacgttat  | 42060 |
| aagggtataag | cgtattgtac  | agttaaatat  | aataagttgt  | gaaggctgtg  | aagggcaaaa  | 42120 |
| aagcataaat  | gatgttcgtt  | tttaaggggt  | gtttgcctgt  | ttcaggatat  | ttctctcgac  | 42180 |
| acttatttga  | atctttgtaca | aaaaataaaa  | acttttgtac  | aaatgtttat  | tccttttcaa  | 42240 |
| tcgtgtcttg  | attatcattc  | ttttttgttt  | tgttttttatc | tttctgctgt  | ttgagcggag  | 42300 |
| gagattgata  | ttttcatgca  | agtcgagggtg | aaaggtgctt  | attcttgttc  | tgtatggatg  | 42360 |
| aagatataac  | gttatgattt  | tattgtaggc  | taaacgtatt  | catatggaaa  | tataaatgtt  | 42420 |
| atatattgta  | ttaaaatgaa  | agtgctatat  | gatattttat  | agcaaaaatat | tatagtaaaa  | 42480 |
| tgaacaatgt  | attgattttt  | tgtttttctt  | tgcaattgaa  | tacaagataa  | aataaaaacta | 42540 |
| cagctacaat  | atacaatata  | aattgacaac  | gttatggatg  | cattgattga  | gagcagagat  | 42600 |
| aacgtgaaca  | agtggatgga  | aagggttgga  | gtacgctttg  | gagtgtataa  | aaacggagta  | 42660 |
| tttaaggaac  | aattgtttcc  | ttttgattct  | atcccgcgta  | tcactctgca  | aacagactgg  | 42720 |
| gacaaaactgg | aaaaaggact  | tatgcagcgt  | gtcgaatgcg  | tgaacctttt  | tctttatgac  | 42780 |
| atcttatcatg | aaaaaaagat  | tatcaaagac  | gggattattc  | ctgcagagtt  | tgtctattca  | 42840 |
| tcgaaaggat  | acttgcccga  | gtgtgaagga  | atctcacctg  | ttcatggtgt  | atatgcccac  | 42900 |
| atagcaggca  | tcgatctggt  | gcaaagtaag  | gaggagaaat  | ggttcattct  | tgaagataac  | 42960 |
| ttgcgtattc  | cttcaggggc  | ttcttaccgg  | atgatagcac  | gtactattat  | gcgtaaagtg  | 43020 |
| tcgctcaga   | ctttccggaa  | tcagtctgtg  | gcggataacc  | ggaattataa  | tgacttgctg  | 43080 |
| cgtgacatga  | tggattatat  | gaacgacgga  | cgggttattt  | cggttattct  | tacgcccggga | 43140 |
| cgttataaatt | ctgccttttt  | cgaacattcg  | tatttgcccg  | agaagacggg  | agccgtactt  | 43200 |
| gcttttccgg  | gtgacttgat  | tgtggagaac  | gatagtgttt  | actatgtcgg  | attgttttaag | 43260 |
| gagaagcaac  | gggtaggatg  | tatttaccgg  | cgtgtcagtg  | atgaatatct  | tgatccgctg  | 43320 |
| gtctttgaac  | cgtcttctct  | gctaggggtt  | cctaactctg  | tacaagctta  | tcgcaaagga  | 43380 |
| aatgtcgcac  | tggatcaatgc | tttgggaaac  | ggggtggcag  | acgataaagg  | tatctattat  | 43440 |
| ttcgtaccca  | agatgataga  | ttactatttg  | cgtgaggaaac | ctgtacttct  | taatgtctct  | 43500 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| acttatcttc  | cttactataa  | ggaggattat  | gagtatgtgc  | ttgccaatct  | tcccaaattg  | 43560 |
| gtgattaagg  | aagtgagtga  | ggcaggagga  | tatggtgtcg  | tattcggtcg  | cgatttgtct  | 43620 |
| cctgagaaac  | tggcggaaact | gaagcaaattg | attgtggatg  | aaccgcgacg  | gtggattgctg | 43680 |
| caggaggtga  | ttgacttcaa  | ggaccttgag  | atactggaag  | gaaacgaacg  | ggtagaacgt  | 43740 |
| aaggctgact  | tacgtgcttt  | tgtcatcagt  | ggcaaacaga  | ccaaggtctg  | gaaaagcggg  | 43800 |
| ctgactcgtt  | tttcccggaa  | ccccgattca  | tttgtggtaa  | attcttcaca  | aggaggaggg  | 43860 |
| tttaaggata  | catgggtgat  | ggaaaaatga  | taaacaacta  | aaaactatag  | acttatgatg  | 43920 |
| acatgttata  | ctatatctgc  | cacgaaggca  | aatgcgcttt  | actggctggg  | gcgatatgct  | 43980 |
| gaaagagtg   | atatcagcct  | gcatttggtg  | cgctcggtatt | atgataaaaat | gatagatgga  | 44040 |
| ctaccggagg  | actacgaagg  | attctatgaa  | aagctggatg  | ctaataatcc  | ttatcctgat  | 44100 |
| atggaaaagt  | tccggttggg  | atatatgtat  | gacgacaaga  | atccttgctc  | gctgatttctg | 44160 |
| ggattgactg  | ccgcttatga  | caatgcggtt  | gttttacgcg  | aggagatcac  | cagtgaact   | 44220 |
| tttttcttat  | atagagcttt  | cgctcaactt  | cctgcggaag  | tcggccgaaa  | agaaggacgc  | 44280 |
| aaacattacc  | gatttgcagc  | ttattaccga  | ctatctgctt  | gctttctggg  | gatcggtaga  | 44340 |
| tgaacgggtt  | ttcaatgaac  | aggtgtacaa  | tatcctgaag  | attgggaaac  | tgggtgaaaa  | 44400 |
| tatcgacatg  | catatccggt  | tcgattatcc  | gttcttccga  | attaaagagg  | catacgaatc  | 44460 |
| tctgataaaa  | tgtggtgaaa  | atgaagaaga  | actgtttgat  | cacatgatcg  | aaaaacattt  | 44520 |
| gggtgaactg  | ctggtggagg  | acgtgtatga  | tttatatcac  | gtacaaaata  | tggaatataa  | 44580 |
| ggcgaaactt  | ctgaaatacc  | tcaaccatct  | tgtcttgctt  | tgatgcttta  | caactgatag  | 44640 |
| tacaatgaaa  | aaatactttt  | ataattatca  | ggcaattacc  | cgtttcagca  | aacctgtcga  | 44700 |
| caggcattat  | tttctgttgc  | gatgtatgcc  | atgtgtcaat  | gcttgtcagc  | aaacgggtaa  | 44760 |
| acgggagctt  | ttcattcatc  | cgggaggaag  | cgtgatttat  | ggtgccgatg  | catggaaaaa  | 44820 |
| tccgattcaa  | tatggttgcc  | ggatggaaga  | gcattgattcg | tttgtgtttg  | taagtagcgg  | 44880 |
| agaaaataagg | cttagtcctt  | accgtattgc  | cgaagatgat  | tttaccgaca  | tgttcagggg  | 44940 |
| atcgtctcgg  | ctgacggcac  | tttcggtacc  | gatgaagcaa  | ttactggccg  | gtacggaggc  | 45000 |
| aggctatccg  | ctggaacgtg  | ccgtgttact  | tgcacggaat  | attcatgact  | acatgcacta  | 45060 |
| tgcttcagga  | aagactggtc  | ccgagacttc  | ggcagccgag  | gcattcgagc  | tgagggaagg  | 45120 |
| agtgtgtcag  | gattatgcac  | atattcttat  | tgctctttgt  | cgggcgtcgg  | gcatagctgc  | 45180 |
| gcgttatgta  | aatggattca  | ttgccggtat  | cgggtgctact | catgcctggg  | tggaagtgtc  | 45240 |
| ggataatgga  | tgctggtggg  | ggatagacc   | tacgcacaat  | tgtcggatag  | aatatggata  | 45300 |
| tatcaagggtg | gctcatggac  | gcgatgccat  | ggattgtccg  | gttaaccggg  | gagtgtttac  | 45360 |
| gggcatggct  | actcagcaaa  | ctgatattcg  | tgttatagta  | gaagaaatat  | gataagaacg  | 45420 |
| gttatttcta  | ttgcgcttcc  | tgttgacgag  | cgcttggtga  | tacaaaaaaa  | tgttattagc  | 45480 |
| catggtacgg  | gcaagaagcg  | tatctgtatc  | gtgacaggta  | cccatgggga  | tgaactggaa  | 45540 |
| ggtcagtatg  | tatgctttca  | gcttaatcag  | attgtacagg  | aaaatcttga  | caaactgaat  | 45600 |
| ggtacgattg  | aaatataatcc | ggcacttaac  | ccgttgggga  | ttgattccat  | tactcgtggc  | 45660 |
| attcccaatt  | tcgatcttga  | tatgaatcgt  | atthttccgg  | gaaaccctga  | tggaacgatg  | 45720 |
| gccgaacggg  | ttgcatacgc  | catttttcaa  | gatttgcagg  | gggcagatat  | ggtaatcgat  | 45780 |
| attcattcga  | gtaacatctt  | cttacgtgag  | attcctcagg  | ttcgggtaaa  | tgtcaatac   | 45840 |
| gcagaacgtc  | tggtacctta  | cgctaagctg  | ctcaatactg  | atthttatctg | ggtacacgaa  | 45900 |
| gcggcgacgg  | ttcttgaggc  | taccttgcca  | cattcgcctca | acactgccgg  | cacttctaca  | 45960 |
| cttgtggtag  | aaatgggggt  | gggtatgcgt  | attaatcatg  | gatattgaaa  | ccggttggtg  | 46020 |
| acgggcatct  | ttaatctgat  | gcatgagctg  | ggaatgtgga  | gtgaacaaga  | cgaatctcat  | 46080 |
| ctcattagcc  | gcccgggtgg  | gtcggtagcc  | gataaagtaa  | gttttctgaa  | tgctgaggct  | 46140 |
| tcgggtatct  | tccttaccga  | gattcgggaa  | aatatcattg  | tagacaagg   | agaagagata  | 46200 |
| ggttgcatag  | tgaatccgct  | tacgggtgaa  | gtgcttcagg  | aggtaacagc  | taccgtacat  | 46260 |
| ggcttgctgt  | ttacacttcg  | tgcctatccg  | gtggtgtatc  | aaggttcgtt  | gctggcccg   | 46320 |
| atacatcagt  | tggatgagtc  | gtaaaatagat | acggcgtgat  | aaacaggcta  | tgccggcttt  | 46380 |

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|             |            |             |            |             |             |       |
|-------------|------------|-------------|------------|-------------|-------------|-------|
| tcttttaaat  | gctttgataa | gatgaaaaga  | agaatacttt | acgtggagag  | aatgtatgaa  | 46440 |
| aaaagagatt  | ctatttagta | tgaaatcttc  | cttccgagat | acttttcgca  | ttcagggttt  | 46500 |
| tcgtttcgga  | tcgggagaaa | agagcctcgc  | tattgtagga | gctatgagag  | gggatgaaat  | 46560 |
| acaacaacaa  | tatatctgct | cgcagcttgt  | ccggcatctt | gctcagctgg  | aagcggaggg  | 46620 |
| cagactggtg  | ccgggacatg | agatactgct  | cattccttct | gccaatcctt  | attccatgaa  | 46680 |
| tatcggcaag  | cggttctggc | ccatggataa  | tacagatata | aaccggatgt  | ttccaggata  | 46740 |
| cgatcaggga  | gaaacaatac | aacgtatcgc  | cgcatcgctt | tttgaggcga  | tacagggata  | 46800 |
| tacgtacggt  | atacaatttg | ccagctttta  | cgttcccggc | gattttattc  | ctcatgtacg  | 46860 |
| aatcatagaa  | accgggtacg | aggatgtaca  | gactgcgggt | ctttttggct  | ttccttatgt  | 46920 |
| ctgtttgcga  | aaatcattgc | ctttcgatac  | gactttgctg | aattataact  | ggcaaactctg | 46980 |
| gaatacgaag  | gcgtattcga | tttacggagg  | gcaaaacgga | caggtggaag  | gaactatgcc  | 47040 |
| tttttatatt  | atcagttcca | ttttacgttt  | tatgcagcgt | gtgggtattg  | tttcacattt  | 47100 |
| tgcttctgcc  | catcctgact | acaattcgca  | agttatccat | gagtcggacc  | tgactgacgt  | 47160 |
| aaaagcgcct  | gtttcggggc | tcttttatcg  | gctgaagacg | gcacgtgagg  | acgtgcggaa  | 47220 |
| agggtgagtg  | ctcgcacgta | tcattcatcc  | gatagaggga | aatatcttgg  | aggaaattta  | 47280 |
| tgctccggat  | aacggggctg | tcttctttgc  | tcataaccag | ccgctgactt  | tgcaggatgc  | 47340 |
| tacgctgtat  | aaaatctata | gtcttcgata  | agatatgccg | tttatcgggt  | atgcaatctt  | 47400 |
| gttttagtcg  | ataaatggaa | tgacttcttc  | gtgttcttca | ggcggctgct  | tgaagatttt  | 47460 |
| atatccgatt  | gctgcaacaa | cgatactcat  | gatcggactg | agtatgttga  | agaaacaata  | 47520 |
| aggcagataa  | gtcagtgtag | ggacattcag  | gattgtagcc | tgtgtcatac  | cgcatgagtt  | 47580 |
| ccagggaatc  | agtacggagg | tcactgttac  | cgaatcttcg | gttgtacggc  | ttaacagtcg  | 47640 |
| gctttcgtat  | ccctgtttct | tgtaaatgct  | gccaaacata | ctacctgtca  | ggatgatgct  | 47700 |
| tataactgg   | tcggcagtag | tcaggttcat  | gaataatccg | gaacatacgg  | tcgatgaaac  | 47760 |
| cagactgaaa  | cgatttttca | taaagcgtac  | aaagacggat | gtaatgcttc  | ccagcatacc  | 47820 |
| gctggccgtc  | atggcccctc | cgaaacacat  | cgcacaaagt | atcagccaga  | tggtgttagt  | 47880 |
| cataactgcc  | atgcctcgag | tagcgactag  | ttctgtcaga | gcggcattgt  | cggctctggag | 47940 |
| gctggtgctt  | ccgtaacagg | ttatcataac  | tcctttaaac | agattttgtt  | ctccggctat  | 48000 |
| ttcgttcagc  | aggctgggct | ggaagatgac  | agccgctatg | caggcaagga  | aggctcgaat  | 48060 |
| ggcaagagtg  | atgatggaag | gaactttgct  | cgctatgaga | ataccgggta  | ctacagggac  | 48120 |
| aaccagcagc  | cagggagtg  | tattgaattt  | gctttccaga | ctggctcgcta | cttcgggtcat | 48180 |
| gtgctccatg  | ttgtgggtat | tgtgtgtgaa  | tcccataatg | gtaaacagga  | tcagtgtgat  | 48240 |
| gaccagtga   | ggaatggtgg | taataagcat  | gtagcggata | tgtcggaata  | acgggggttc  | 48300 |
| tgtgatggaa  | gaagccagaa | cggttgtttc  | cgacagtgga | gaaatcttgt  | cgccgaagta  | 48360 |
| agctcccag   | atgatggcac | cgcctatcca  | gccttcgttg | aatccttgtg  | ctttacctat  | 48420 |
| accaaacagg  | gcgattccaa | ttgtagcaat  | ggtggtccac | gaactgccag  | tcagtaccga  | 48480 |
| tatcagcaca  | cagatgatgc | aggtagaagt  | cagaaagaat | gtcggatgaa  | tgatttgc    | 48540 |
| tccgtagtag  | ataagtgtag | gtacgatacc  | gctgatcatc | catgtgccgc  | tcagtgcgcc  | 48600 |
| aataatgagc  | aggatgatga | cggccgtggc  | tacaccactg | atgttatttg  | taatggccag  | 48660 |
| ttcataatct  | ttccacggaa | tacgataaaa  | agccattcct | ataaatatgc  | agactgcgg   | 48720 |
| ggttactagc  | agagaaactt | ggcttcgcc   | gttcagttag | tcacttcgga  | aagtactgat  | 48780 |
| ggctcgcaacc | agcatgcata | tcaggatgat  | aatcggaagg | aaagatacca  | gtggagaggg  | 48840 |
| aaatcttttt  | gttgaattca | ttatatcatt  | attatttgcg | ggcaciaaaga | tataataatt  | 48900 |
| ctgttttaaat | atgcagtatt | tgcagggtgaa | atatgcaaaa | atgggtcaaa  | actgcatgaa  | 48960 |
| tatgtatata  | aaaaacacag | actttacgaa  | aagtacggca | ttttgttctt  | tcagaatgag  | 49020 |
| tgcagaattg  | ccgtatgcgt | aaagtctgtg  | tccgattgg  | tacagtttat  | atccccactg  | 49080 |
| gtcagagtgcg | aatgaccagt | tcttttctac  | cagttctacc | gtttcgggct  | tgtactggta  | 49140 |
| ttggtttttc  | ttataacctt | tctttttatt  | tacgtaagct | tctatcgcag  | gacgagcttc  | 49200 |
| gtcgaagccc  | ggaagagaaa | gcttctgata  | gatttcctgt | gtcaggctcga | aggcattttt  | 49260 |

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|             |            |             |             |            |             |       |
|-------------|------------|-------------|-------------|------------|-------------|-------|
| ctcgtagtct  | tcgaatttaa | cttctaccag  | gttgcccttc  | ggtatgtatt | tcttgctggc  | 49320 |
| ttcatacttg  | tgatacaatt | tagcataaat  | tgaaagtatg  | ttctcctgca | actgttcatt  | 49380 |
| gctgatatcc  | tgcaacttca | gtggctggat  | agtattggta  | aagaagcttc | gtgttgattc  | 49440 |
| gaaaaccgta  | tacggattac | gcatcaggta  | aatgaacttg  | gcattgggga | acatctttac  | 49500 |
| cagttctttc  | acacgtccc  | tatgtggagg  | attcttgctc  | aggaactgag | ttccgtgagt  | 49560 |
| gttccacaac  | gagatcttga | tcagtttggt  | aaatgtttct  | tcaaatactt | tcagctcttc  | 49620 |
| atcactgata  | tcatcgaaca | acaggtatct  | gtcggcatac  | tcctgcatgt | gtttgggcaa  | 49680 |
| gaaccagaaa  | ttataatacg | tatacggcat  | catgttagcc  | agcgcaaatt | cttcttcctg  | 49740 |
| tggcaggctg  | acagccagtt | ccatgttgct  | tgttgagcgc  | ttgtcgggca | tcagccagct  | 49800 |
| catgttcttc  | ttgaagaacg | gttggtcccca | catcatcagg  | tgtggaaata | ccgtctggta  | 49860 |
| tgtcgtgttg  | taacccaaat | gcttatcgca  | tgaaaagaca  | ttgtgcataa | aggttgttcc  | 49920 |
| acttctccag  | tgtcccagaa | tgaataccgg  | atcgtgttcc  | agcggctgat | tggcaagcag  | 49980 |
| cttttcgtaa  | cgcttgctct | gcagcgggtt  | caaggtcgaa  | agcaggcgac | ataccgcttt  | 50040 |
| ggtgaggcga  | tattttcctt | tatatgtctg  | gtcgaatcgt  | ctaccttttg | taatctgggt  | 50100 |
| gaatgtcttc  | cagtctgcac | ctaccagggt  | attgattggc  | aatttactga | attcgagtaa  | 50160 |
| tcccattgta  | tatatattag | tgatactgtt  | taaaacttat  | tttttcactt | cgatggcgat  | 50220 |
| accttgctctg | gacagttcct | ttacagcttt  | gtcgattgct  | tcgtagtgtt | ccggttcaat  | 50280 |
| accaggtttc  | ggcaagtcga | gtaccggcag  | ttccatggta  | ttgtgcatat | ccttatcttc  | 50340 |
| cacacgatcc  | agaatcatac | ctacggcact  | ggtgttggtg  | gtaatcgggt | cgatcaggat  | 50400 |
| aaatgagccg  | gttgccctgt | tcttggtata  | cggatcgaag  | aacaattcct | tggaagaagt  | 50460 |
| cagtactaca  | cgggcaatct | ggttcaactg  | catcggaaga  | tcctctttct | tcaggcgtcc  | 50520 |
| gttttccaca  | cttaggtgtt | ccatcgtatt  | gatgtctacc  | ttgtatttaa | tgctgtctat  | 50580 |
| acgggtacgg  | ctggtgttgg | tcgtttgttt  | caggaagaat  | gacttttcca | tgtccatctt  | 50640 |
| ttcttcgtcc  | atccatacca | gcatggcttc  | gaagttacgg  | ccaatcatag | gcatattgtc  | 50700 |
| ggggtgaacc  | agcatttcac | cgcgagaaac  | gtctatttca  | tcttccagcg | tcaatgtaac  | 50760 |
| cgacatgggc  | gggaaggcat | aatccagttc  | accgtcgtaa  | gtaacgatgc | tctttacatg  | 50820 |
| tgacttcttt  | cctgaaggaa | gtgccacaac  | ttcatctccc  | ttatgtacaa | ctcccgaagc  | 50880 |
| aaccttgcca  | cagaatccgc | ggaagtcgag  | gttcgggagg  | agtacatact | gtaccggata  | 50940 |
| gcggaagtct  | gtcaggttat | ggtcgttgcc  | gatattgtacg | gtttcgagga | attccaacaa  | 51000 |
| tgacggaccg  | ctgtaccacg | gggtacggtc  | ggatttttca  | accacgttgt | caccatcgag  | 51060 |
| tgccgacaat  | gggatacagt | ttacgtcggg  | tacgccagc   | ggatcgataa | atgccttgta  | 51120 |
| gtcggcaaca  | atcttgctga | atacttcttt  | ggagaaatcg  | accaaattca | tcttggtgac  | 51180 |
| ggccaggact  | acatgcttga | ttcccagcaa  | agaaaccaa   | taagtgtggc | ggcgtgtctg  | 51240 |
| tgtgatgact  | cctgtacgcg | catcgacaag  | aataatggca  | aggttagccg | tcgagccgcc  | 51300 |
| ggtaatcatg  | ttacgggtat | attgttcctg  | tcccggagta  | tcggcaatga | taaacttacg  | 51360 |
| gttggtggta  | gagaaataac | ggtaagccac  | atcgatggta  | ataccttggt | cgcgttcagc  | 51420 |
| cttcagtcgg  | tccagcagca | aggcatagtc  | gatatgctct  | cccgcattac | ccattctctt  | 51480 |
| gctgtcgcgt  | tccagtgcac | cgagctggtc  | ttcgtataat  | ttcttgctat | cgaaaagcag  | 51540 |
| gcgtccgata  | agtgtagact | ttccgtcgtc  | taccgaacct  | gccgtaagga | agcggagcaa  | 51600 |
| gtccttttgc  | tcgtctttct | tcagaaattc  | ttcgaatagc  | atagtccctc | tggcttcgcc  | 51660 |
| ttccatcggg  | tttcttgatt | tatttttatc  | tagttcttcc  | atgatcgttt | gttttggttag | 51720 |
| aagtatcctt  | cacgtttttt | ctgttccata  | cttgcttctc  | ggtcgaagtc | gatgacacgg  | 51780 |
| gttgtagctt  | cactcttggt | agtagtcatc  | atctcttcta  | cgattttttc | aatcgtatcg  | 51840 |
| gcttcgcttt  | cgatggctcc | ggtcagcggc  | cagcagccca  | atgtacggaa | acggattttt  | 51900 |
| ttcatctcta  | tcttatcgcg | gtatttttcc  | ggcaggcggt  | catcgtccgg | cataatgagc  | 51960 |
| tgtccgtcga  | tgttgacgac | tggtcgtact  | ttggcaaaat  | acaacggaac | gataggaatg  | 52020 |
| ttctccagtc  | ggatatactg | ccagatatcc  | agttcggctc  | agttacttaa | cggaacacac  | 52080 |
| cggatacttt  | ctcctttgcg | gatacgggta  | ttgtagatat  | cccagagttc | cggacgctgg  | 52140 |

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|             |             |             |             |             |            |       |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| ttcttcgggt  | cccactgggt  | gaactcgtta  | cggaacgaga  | agatacgttc  | tttggcacgt | 52200 |
| gattttttctt | cgtctcggcg  | tgcacctcca  | aaggctgcat  | cgaacttata  | tttgtcgagt | 52260 |
| gcatgcagca  | gggcctgtgt  | tttcatcagg  | tcggtgtgta  | ctttacttcc  | atgagtaaag | 52320 |
| ggacctacac  | cggcacggaa  | agcttccatg  | ttgctttcta  | ctatcagggt  | ccagccatat | 52380 |
| ttcttggcat  | attcgtcgcg  | gaactgaatc  | atttccttga  | atttccattt  | agagtcgatg | 52440 |
| tgcatacaag  | gaaatggaac  | tttgcctgga  | gcaaaggcct  | tttcggcaag  | gcgtaccatt | 52500 |
| actgaagagt  | cttttccgat  | gctgtacagc  | atgaccggat  | tctcaaattc  | ggaagccacc | 52560 |
| tcacggataa  | tatgaataga  | ctcggcttcg  | agttctttca  | ggtgacttaa  | tttatattct | 52620 |
| tctttcatat  | ctgaattatg  | aatgtttttt  | attagggtta  | cacagactgt  | tgctggttac | 52680 |
| ttgttttata  | agctgtcggg  | atacggaaac  | aatggatata  | aaatagcatg  | aatcccaaaa | 52740 |
| acttgcgcaa  | aagtactcat  | attattttcat | aaacaagtga  | ttccttgtgt  | taaagtggca | 52800 |
| gtatggtttc  | cgcttaccgt  | tttactctgg  | gtaagattaa  | gtccaatagt  | ttattgaccg | 52860 |
| attcttctac  | cgaagcttc   | gaagtatcca  | gcgacagagc  | aggatgttcc  | ggtgcctcga | 52920 |
| agggggccga  | tataccgggtg | aagttcttga  | tttctccttt  | acgtgccttg  | gcatacaagc | 52980 |
| cttttacgtc  | gcggcggttcg | cattcttcta  | tcgggggtgct | gacatagatt  | tccataaaat | 53040 |
| cttccttacc  | gatgatgttt  | gcggccattt  | cgcggaatc   | gttggttcgga | ctgataaagg | 53100 |
| ctgcaagggg  | aatgataacct | gtgtcgacga  | ataacttgcc  | tatttctgca  | atgcggcgga | 53160 |
| tattttccac  | acggtcttcg  | gccgagaatc  | ccaggttatt  | gttgataccg  | ctgcgaatat | 53220 |
| tgtcgccgtc  | gagtatgcgg  | cagagcagcc  | ctcgtttttg  | cagttcccgc  | tccagggcga | 53280 |
| tagcaatggg  | actcttacct  | gaaccactca  | gtccggtaaa  | ccagatcatg  | acgctgtgtt | 53340 |
| gcttcaacaa  | ttcttccttg  | tctgcacgag  | tcagcatgcg  | gtcgaatatc  | gggtaaatat | 53400 |
| gtttggtttc  | ttccatatcg  | ttgttagtta  | attaaaaagg  | ccatatctga  | ggtatgacaa | 53460 |
| atattgaaat  | caaaaaagta  | ataatgttca  | acggtaatcc  | gattcgtacg  | aagtcggtaa | 53520 |
| acttatagtt  | tccgataacct | tgcacaatca  | ggttgggtctg | atagcctatc  | ggagtagaga | 53580 |
| aactggcaga  | agcggccatg  | cagattacca  | caaagaacgg  | catgggggttc | actcccagtt | 53640 |
| gctgcgacag  | cgagagtga   | agcgggaagg  | agagagcggc  | tgccggcatta | ttggtgatca | 53700 |
| gttccgtaaa  | gatattgggtg | atgataaaca  | atacagccag  | caggatatac  | ggaccgtgac | 53760 |
| tgccggtcaa  | ctcgatgatg  | taaccgcga   | gcaggctcggc | tactccggaa  | ttttccatgg | 53820 |
| ctttgctgat  | agcgaaagca  | caggcgatgg  | taatcaggat  | atcccatgaa  | atataatttg | 53880 |
| tatacttccg  | gggaggaaat  | atcttgggtcc | atgccatgat  | aaccgtcgtg  | atggatacaa | 53940 |
| agaagaacat  | atccagcttg  | atgccttcag  | gcaacagttt  | ctgtatgcc   | ggcagttcac | 54000 |
| cgactgtggc  | tccgataatc  | atgaaaagca  | gcaggaacaa  | tgcaaacag   | cgctttttct | 54060 |
| tgccggcagg  | ctcatagtct  | ttgccattgg  | caagcatgat  | gaagaccgac  | gattctcccc | 54120 |
| aggttttgat  | gaagctgtcg  | tcggcaagca  | agatcagcgt  | atcacctcgc  | cggagctga  | 54180 |
| tttcgctcaa  | gtttttgtac  | gtgttaccac  | cgcgccggat  | ttcttttact  | tcggcaccgt | 54240 |
| agtgcagttt  | gaagttgaat  | tcacttactc  | gtttgttgat  | acccggaaaa  | cgtgcgccga | 54300 |
| ggacggcttc  | caccggatga  | agcgaagagt  | tgctctcttc  | ttcttcggcc  | gagagattat | 54360 |
| ctggacgatc  | ggcaggcaac  | aacttgctgg  | aaaacaaaaa  | caggtaaattg | atgcctgcaa | 54420 |
| tggaatgaa   | aatacctacc  | tttcccagtt  | cgaacatgct  | gaatcctttc  | attccggcat | 54480 |
| cttgtatcat  | gctgtgtact  | actaggttgg  | tggaagttcc  | tatcaaggta  | cagatacctc | 54540 |
| ccagaatcgt  | tacgtacgac  | aatgggataa  | ggaagtaagt  | ggcaggtaat  | tttacaatag | 54600 |
| ttgccaccg   | cttgatgata  | ggagcaaaga  | taacgacaac  | cggcgatttg  | tttagaaagg | 54660 |
| ccgatataaa  | ggcaatggta  | ggcagcatgc  | gcacctgtgc  | cttgaatacc  | gtagtcttgg | 54720 |
| tttgtggcag  | cagtttcttg  | atgacttgcg  | tcaaggctcc  | gctctgtcgg  | attccttcgc | 54780 |
| tgaccagaaa  | caacatggca  | acggttatca  | ttcccttggt  | gctaaaacct  | tccagcattt | 54840 |
| cttttggggt  | aaggattccg  | gtacagagaa  | acaggacgac  | gaccgagaac  | aaaatcattc | 54900 |
| ccggacgcat  | cttatccata  | atcagcgag   | ccagcatacc  | gacaagcgcc  | acgagtacaa | 54960 |
| taatcacttc  | tactgtcata  | aatggcttat  | tcggctatga  | accacggatt  | caacaagtct | 55020 |

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|            |            |             |            |             |            |       |
|------------|------------|-------------|------------|-------------|------------|-------|
| tctttattat | attgcagagg | ttcctgagta  | ccagcctggt | atacatcttt  | tcccatggca | 55080 |
| cggataatgg | catgaccggc | agccgtatcc  | cactccatcg | tcggtgcaaa  | gcgtggatac | 55140 |
| acatctgctt | ttccttctgc | tatgaggcac  | aacttgagcg | aactgccttt  | cgagactggt | 55200 |
| tctacgtgct | gatgctcttg | tttcattttc  | tcgatatagg | cttccgtttc  | cgggtgacag | 55260 |
| tgggagcggg | atgctacgac | gatgaaattg  | ttgcgcggag | tttgttcctg  | atagggcaga | 55320 |
| cgatgtgcct | tctcgatgag | gctatctact  | gtttcatcgg | cagccagttg  | ggtgatatgc | 55380 |
| tctatcttat | aagcaccata | ctggcagtcg  | gcaaaatata | attcttcctt  | tacgggaata | 55440 |
| tagattaccc | ccgcttccgg | tctgccgttc  | tttacataag | caatgttgac  | ggtaaattct | 55500 |
| ccgttgcgct | tgatgaattc | cttggttcca  | tccaatggat | cgacaatcca  | gagctcgttc | 55560 |
| catttctgcc | gttcttcaac | cgggattttc  | tttccttctt | cactgagaac  | aggataagga | 55620 |
| gttgaagcca | gactggctgc | gatgaccttg  | tgcgacctac | ggtcggcaat  | ggtcagtggt | 55680 |
| gagttgtctg | ctttcttctc | tatctcaaaa  | tccgcgttgg | gatcgggtata | tacgttcatg | 55740 |
| atttcggctc | cggcttctaa | agacgcacgg  | atggccgtca | gtaatatatt  | tttgtccata | 55800 |
| ctctctaaat | ctttgtaaaa | taacaacttt  | ttctctaaac | gtcagtagtt  | caatcttcgt | 55860 |
| tttttctggt | cttcaacatt | gtttgtagct  | tcttttatgc | agaagttgac  | cttaagtaag | 55920 |
| tggttttatt | tctttcgact | gcttccagat  | gcgcagcata | tagtatgctc  | aatgggtaaa | 55980 |
| tgcaaatatc | aaggaaatga | tcagtaaggt  | cctgtcagca | tcccagccta  | cggtttgctg | 56040 |
| gtgccataat | ccggtgatga | tgcaacaata  | agatagggca | agtcctaaaa  | tattcagtag | 56100 |
| gatgtcgctt | ttgcggtgct | cttgcctcgg  | ttccagcttg | ctgtgtttcc  | ttccatacga | 56160 |
| agcataaaca | tccagaccga | tgagcatcca  | taataccagt | cgtatccatg  | tatcagcagg | 56220 |
| caggaaacac | atcatgcaca | ggcaagtcag  | gatacccata | ataggtacaa  | aaggcacaaa | 56280 |
| cgggtgcttg | aacgtacggt | gaacgttggg  | catggtcttg | cgtacgatga  | gtacagccgc | 56340 |
| acataccagt | gtaaaggcaa | gcaaggttcc  | gatactggtc | atttcgccag  | ctacttgtgc | 56400 |
| tggaacaaat | cctgccagca | gactcacgac  | aatcatgaac | aggcagttgc  | tgtgtaccgg | 56460 |
| tgtacggaat | cgttcgttga | tgcgtgaaaa  | gaatggaggc | agcagcccgt  | cgtggctcat | 56520 |
| gctgaggaat | acacgactct | ggccgagtaa  | tgtcaccatg | atgaccgagc  | aatatccgaa | 56580 |
| caggattgca | aggataatgg | ctttgttcag  | ccacgggtag | actggttcga  | tgactccggc | 56640 |
| gctgttcgca | tatcccatgt | gttcgatagc  | tacggctacg | ggagcaatac  | cttcctgtcc | 56700 |
| ttcgaattca | gtatagtgtg | ccacaccggt  | catgacgtgt | gcgaacagaa  | tgtacaaaat | 56760 |
| agtgcagacc | agcagggaaa | caagtatacc  | gataggcatg | ttccgctgct  | gatttctcgt | 56820 |
| ttcctgggca | gccgtactga | ctgcatcgaa  | tcccagaaaa | gcaaaaaata  | cgatagcggc | 56880 |
| tccacgtagg | atacctgaaa | tgccgaactc  | accagctttt | ccggtgtttt  | cgggaatgta | 56940 |
| aggcacatag | ttgtctgcct | gtatgaattt  | ccatcccaaa | aagacgaaaa  | tcaggatgac | 57000 |
| accgattttc | aggaaaacaa | tcaggccgtt  | aaagaaagag | ctgcctgctg  | tacctcgcat | 57060 |
| cagtatcagg | ctcataagga | caacaatcag  | catggcgggg | atattgacaa  | tgcctccgtc | 57120 |
| ccacggacag | gcactgaacg | catgaggcag  | ctcgatgccg | atgccttgca  | ggaacactac | 57180 |
| cagataacgg | ctccagctga | tgcttacggt  | agttgccgct | acggtatatt  | ctagaaccaa | 57240 |
| atcccagccg | ataatccagg | caatcagctc  | gcccattggt | gcatacgaat  | atgtatacgc | 57300 |
| acttcctgct | acaggaatca | tggaagcaaa  | ttcggcgtag | catagtccgg  | caaagcaaca | 57360 |
| tccgatagct | gcgactataa | aggacagcgt  | aatggccggc | cccgtatact  | ctgacgcaac | 57420 |
| ggttcccgtg | atggagaaca | gtccggctcc  | gatgatgaca | cctacgccc   | gtgccaccag | 57480 |
| actgactggc | cccagcacc  | gtttcagttg  | cttgctgccc | gactgctgtg  | cctctgcttg | 57540 |
| cagcatttca | atgctttttc | tgataaacia  | tcccatctcg | atgtatttgc  | ttcacatatt | 57600 |
| atatagggtg | caaagataac | atattattctg | aatgtataac | tcttttttgt  | gtatcttgtt | 57660 |
| gatataatac | gaaaaacgtc | tcggtgtttt  | gggaaattat | gcgggtattt  | tgccaaaaac | 57720 |
| attgagacgt | ttttttattt | tttgtacaaa  | agaaaaaatt | atattgtacaa | aaaataaaat | 57780 |
| aaacctgcgg | acagaccggt | tcgtttttat  | tcaggtataa | agtgactttt  | ccgctgatct | 57840 |
| gcaacaatga | tatctcgcac | atttttgtat  | cgtattcggc | cgaagaatg   | cgctcttcgg | 57900 |



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|             |             |             |             |             |            |       |
|-------------|-------------|-------------|-------------|-------------|------------|-------|
| catcgagcag  | gcttttctgt  | gcttcacgca  | tctcaatacc  | cgacaagtcg  | cccagcaggt | 57960 |
| agcgctcttt  | ggcaatctca  | tggttttctt  | tggcagcgat  | caggttctga  | cgttccagat | 58020 |
| tcagcagccg  | gatgttggtg  | cggtaagcct  | gccacaagtt  | gctgaggctg  | gcacgcagac | 58080 |
| tttgttccag  | ttgctcgcgt  | tccaactgtg  | tattgcggat  | ggcaaggctg  | gcatttcgct | 58140 |
| tttcccgttt  | gcggttgccg  | tcgaagatat  | tgaatccgat  | ggtcaatcca  | ccattaaatc | 58200 |
| cccagttgct  | tcgctgcttg  | atggagttga  | tgtcgtattt  | gttcagggtg  | tagccatata | 58260 |
| cggcgttcag  | cttcagggtac | ggataattgc  | gtgaaagcac  | ctttttgtaa  | tccagttgtg | 58320 |
| ccaaggttga  | gttctggctg  | gctttcagca  | aactggcatt  | cgtattcaag  | gtcgtttccc | 58380 |
| acagctcttg  | gaaattcagg  | gaatgcttca  | gctcgataat  | ggaatctttt  | actttgatag | 58440 |
| ggcgggccac  | atccttggtt  | gccatcagtt  | cattcaaatt  | gatgcgggag  | gtatgcacca | 58500 |
| gttcctgctg  | tttcatgtac  | tgggcactgt  | cggcgttgaa  | gtccactttc  | gcctgctgat | 58560 |
| aatccagtcg  | tgagaaattt  | ccgatatggg  | accgctcttc  | tacgatgcgg  | agacgttcct | 58620 |
| tcgaaagcga  | aacggcatag  | cggaaagttct | tcagacgaat  | ttcctgctgg  | atataattgt | 58680 |
| agtattcggc  | cgtcaggctg  | gcgatgaaat  | cctctatggc  | aatgcgggta  | ttggtagctc | 58740 |
| cctgacgttc  | cagttctttc  | agttccttgt  | acgtcgtact  | gatattgaaa  | ccgtcgaaga | 58800 |
| tgggccagtt  | cagggtcaact | cccgcatcga  | gggtatgata  | gaacacgttt  | cgttccttgc | 58860 |
| tgacacttcc  | atcacttcgc  | tgtgtagagt  | tactgctgct  | ctggctgccg  | ttgtaaccgg | 58920 |
| cggtcagggtc | taccgtggga  | agataaccgg  | catttcccag  | tgtggcggtta | ttcttgctga | 58980 |
| tctgctcttc  | gttgctgtaa  | atacggagcg  | aataattggt  | ttgcaatcct  | tcttccagac | 59040 |
| attgtttcag  | cgtgtattca  | tattgtgcat  | gtgcaggaag  | tattgcagta  | cacaaggcta | 59100 |
| ataggatgta  | ggcaaaatat  | ttcatgcttg  | tttctccttc  | ttgattcggg  | tagtagaaat | 59160 |
| gtaagtataa  | atggcaggca  | cgatgaacat  | cgtgaggaag  | gtagagatca  | acattcctcc | 59220 |
| cacaacgggt  | gttcccattg  | cgatacgtg   | gttggctcct  | tcgcccgtag  | caaaggcaag | 59280 |
| cggaaatcaga | ccgagaacag  | tcgaggcgct  | cgatcatcagg | atcggacgca  | gacgttgtag | 59340 |
| agctgcatcg  | cggatggcaa  | gcattctgtc  | ttctcctgcc  | tcctgttttt  | ggttggcaaa | 59400 |
| ctctacgatc  | aagataccgt  | tcttggttac  | cagtccgata  | agcatgatga  | tacctatctg | 59460 |
| actgaagatg  | ttcatggtga  | tgttgccaaa  | gtacatgaat  | atcagggcac  | cggcaatggc | 59520 |
| gagcggtagc  | gtcagcatga  | tgatgaacgg  | atctttgaag  | ctctcgaact  | gggctgctaa | 59580 |
| gataagataa  | atcagcacga  | gggcaaggat  | gaaagcgaac  | atcaggctgg  | atgaactttc | 59640 |
| acggtaatat  | ttcgaatctc  | ccgagagggc  | tgtacggaaa  | gtttcgtcaa  | gtgtttcggc | 59700 |
| agcaatcttg  | tccatttcct  | ccagtccttg  | tccgatgggt  | ttcccttcgg  | caagtccggc | 59760 |
| agaaattgta  | gccgagatga  | atcggttgta  | atgatacagc  | ttgggggtgc  | gatggactca | 59820 |
| acaaactcta  | ccaggttgct  | gagctggatc  | atttctccgt  | cctcggttcg  | gatataaatc | 59880 |
| gacttgatgt  | ttgccggctg  | gttgctgtgt  | tggcggttga  | tctgccccag  | aatctcatat | 59940 |
| tgtttgccgt  | tcatgtaaaa  | atacccccata | cgctgaccgc  | tcagtccgta  | ctgaagagtc | 60000 |
| tcggctacat  | cgcgcacgct  | gactcccatt  | gtggctgcct  | tgtcgcgggt  | gatgttgaca | 60060 |
| cgtacctcgg  | gactactgaa  | cttcaagtcc  | acgtccgccca | tctgaaagggt | cggattatcg | 60120 |
| tacaccttgt  | tcaggaattg  | gggcaatact  | ttttccaact  | tttcgatgct  | ggttgcttgc | 60180 |
| aatacatact  | gtacgggcat  | gctgctcttt  | cttccgccga  | acgaagactg  | ctgctgtacg | 60240 |
| aaagctcttg  | ccttggtctt  | gctcttgata  | gcctgcgata  | ttttttcggc  | tacctccatc | 60300 |
| tgggagtaat  | tgcggtcctt  | gatgtttttc  | aacgttatct  | ggatgtttcc  | gctaccgctc | 60360 |
| gacacacggg  | cagtcactgc  | ttctgcatcg  | ggcacgatgg  | agtctactag  | gtcgttgatg | 60420 |
| tcttccgtgt  | agtcgcgtat  | gtattcataa  | ctggcacctt  | cggcagcctt  | ggtgttgatt | 60480 |
| gtaatcttgg  | atcgggtcttc | cagcggtgcc  | atttcagccg  | gtatcacatt  | ccacaatata | 60540 |
| ccgatgagta  | tcagtgtgat  | gatggcaaac  | ggaatggcga  | tgaagcggtt  | tttcagaaag | 60600 |
| gcattgagtg  | cccggctgta  | aagtcgggtc  | attccttcga  | aaaacgggtc  | tgttttccgg | 60660 |
| taaaaccagc  | tttgcttttc  | acggcggacc  | agcatcttgg  | tggcaagcat  | cggagtgaag | 60720 |
| gtcagggctg  | caaaggcaga  | gatgagcacc  | gaaccggcaa  | ctacgaagct  | gaactcccgg | 60780 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| aagagtcgcc  | cgctgggtcc  | ttccatgaag  | acaatgggaa  | ggaataccgc  | taccaaagtg  | 60840 |
| atggtggtag  | aaataacggc  | aaagaatatt  | tctttggctc  | cttctatacc  | tgcttcgaat  | 60900 |
| ggtttcatgc  | ctttctcgat  | acggatgtag  | atattttccg  | tcattacgat  | ggcatcatcc  | 60960 |
| accaccagtc  | ctaccgaaag  | gacgacggca  | agcatgggtca | atacgttaat  | ggaaaagctt  | 61020 |
| gctacataca  | tcacgaagaa  | ggcaccgata  | agtgataccg  | gaattacgat  | acaggggaatc | 61080 |
| aacgttacac  | gccagtcgcg  | caggaagagg  | aagatgatga  | taattacgag  | aatgaaggct  | 61140 |
| tcgtatacag  | tactttctac  | ttcggctatg  | gaggcgcgga  | tgaattttgt  | gttgctgaat  | 61200 |
| ccgtaagaga  | agcttacatc  | ttcaggcaag  | tcttttttca  | tctgctccat  | gcgttcgtat  | 61260 |
| acggcatcgg  | ctatttcgat  | gtggttggt   | cccggttgtg  | gaatcactac  | cacacctacc  | 61320 |
| atgggaacgc  | cgttcatttt  | catgtagctc  | ttcaggtcgg  | ctgctcccag  | ttcggcgtaa  | 61380 |
| ccgatatcgc  | tcagacggat  | tacctgtccg  | tcgacttctt  | ttatgactac  | gttggtgaat  | 61440 |
| tcgtcggcgg  | tgtgcatctg  | tcccatggta  | cgcagggtga  | gttccatggt  | attaccttct  | 61500 |
| atactaccgg  | aaggcagttc  | cacgttttca  | ttgtccatgg  | ccttcttgat  | gtcgacggga  | 61560 |
| gtgattccgt  | aaccagccat  | tttgggtggga | tcgagccaca  | gacgcatgga  | gtaacgtttt  | 61620 |
| tctccccaga  | tggatacgtc  | gctgacatcg  | gatatggtct  | gtaattgttc  | tttgacggtc  | 61680 |
| aggctcggcta | tttcgctcag  | ttcaagcagc  | gaacgggtat  | tactttggat  | ggcaaccatc  | 61740 |
| agaatcgggc  | tggcatcggc  | atcggctttc  | gaaaccgtag  | gcgggtcgca  | gtcgtcgggc  | 61800 |
| agatagcgct  | gtgcacgtga  | aacctgtgctg | cgtacgtcgt  | tggctgctgt  | ttccaaatcg  | 61860 |
| acagacaatt  | caaattctac  | ggtgatgcgg  | cattgtccct  | gctggctcac  | actcgaaagc  | 61920 |
| gagcgtatac  | cgggaatacc  | gttgatgttc  | tgttccagcg  | gttcgggtgat | ctgactctcg  | 61980 |
| ataatgtcgg  | catttgcgcc  | agagtagcta  | caagttacgg  | agatgatggg  | gttatctacc  | 62040 |
| gaggggtatt  | cacgtactcc  | caacgtagt   | tagccaatca  | atccgaaaag  | aaggatgatg  | 62100 |
| atggtgagta  | cggttgcaa   | taccggcctg  | cggatactaa  | gttcggatat  | gttcataagg  | 62160 |
| caagcaggta  | ttagttaatg  | tggtaagaa   | taacagacat  | accggtacgg  | agttgcaagg  | 62220 |
| ttcctgatgt  | gagaatggta  | tctccggcag  | ccagtcgcgcg | tacaatctgt  | acttccgact  | 62280 |
| ctgtgcgaag  | tccgatttct  | acgtccaccg  | ggtaggcaag  | tccggagcgg  | tatacaaata  | 62340 |
| ctttgttttt  | tcccatttctg | ggcacaatgg  | cttccgaggg  | aatggctatg  | gcacttttga  | 62400 |
| tttcattctg  | tttcagggtg  | atgtcggcgt  | aacgtccggg  | aagcaactca  | ccgttggtgt  | 62460 |
| tggggtacag  | agctcgtacg  | gtcagtggtg  | gagtttctg   | gtctatactc  | gattcgggtg  | 62520 |
| cgtataacctg | agcatcaaaa  | gcacgagtc   | tgcttcttat  | cttaaaagag  | agtttggtcc  | 62580 |
| cttttctgat  | ttgtctggca  | taacgctcgg  | gcacggcaaa  | ttctactttc  | agcggagtga  | 62640 |
| ttttgggttaa | tttagcaata  | acggttgtag  | gggaggcgta  | ggctcctgta  | ctgacttggtc | 62700 |
| gcagaccaat  | gataccgtcg  | aaaggagcac  | gtagctcggg  | catgtcgata  | ttggctttta  | 62760 |
| cgttttcaat  | atcggcatga  | agggtagcga  | gttcagtcct  | gacttggttcg | tatgcttctt  | 62820 |
| tactgaccgc  | atcacgctgc  | aacaaggcat  | tctgtcggaa  | tacacggtct  | tcagcaagag  | 62880 |
| gcatctgggc  | ttttaaacga  | tccaattgtg  | cctgtagctg  | tctgtcgttg  | acctttgccca | 62940 |
| gtaactgtcc  | tttggaaacg  | aaactgcctt  | cggtaaagtt  | gatatcgatg  | atttttccgg  | 63000 |
| aagtttcaaa  | agacaagtct  | acctcttcgt  | caggcatcag  | cttgccgctg  | acaaagagct  | 63060 |
| ggtcgggtcaa | cagatgaggt  | ttgatgacct  | gtgcatttac  | gttcaaactt  | tttttcttct  | 63120 |
| cggttggtat  | ttgttggttg  | gttcatttta  | gttcttcatt  | ttctttcggg  | gtgaaattat  | 63180 |
| ggattcccaa  | gccgattaat  | ccggctccta  | ccaatatgat  | aattcccat   | ttactcgtt   | 63240 |
| tatccatgtg  | ctttataggg  | tctgaattta  | aggtaaagaa  | taatatgtgt  | ttgtatttga  | 63300 |
| taataaaactt | aacctaattg  | ttaaaagaag  | aatacttttt  | ttacaaaatt  | ttgcagatga  | 63360 |
| agtacgtgtc  | gtttcggcaa  | agatagggat  | taacgcacaa  | agcctgctta  | gacatttctc  | 63420 |
| aaaaggaaat  | tgtctaagca  | ggctttgatg  | tgattgatct  | gatacaatct  | atgtgatgta  | 63480 |
| tttcttgtga  | taaatcacia  | tcagtccttt  | caggttttgt  | gaggacgtta  | tactttttgt  | 63540 |
| gttatcagaa  | aggaatgttt  | gccattttcc  | ataatccgag  | gaaggatgtt  | ttggttattt  | 63600 |
| ccaccagtgt  | atcccagttg  | attttgggag  | cttcgtcgcc  | cgggagatgg  | taatcaggat  | 63660 |

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|             |            |            |            |            |            |       |
|-------------|------------|------------|------------|------------|------------|-------|
| gccaatcggg  | atggtaccac | atgatgggaa | tgcccagctt | ggcaaagtgt | ccattgtcac | 63720 |
| ttccacctac  | cggattatcc | caggcacggg | agtctggttg | taaattcaac | ttatattgtg | 63780 |
| cgatatcttt  | cttcaacat  | tctccaaagg | ccggtttgct | tttagtgaag | aaatacacta | 63840 |
| catgccaaag  | acgtgactcg | tcgttggttc | ttcctatcat | atcgaagttg | agatatcctt | 63900 |
| tcacctgatt  | gatttgcgga | aaagtctgtg | caaagtattt | tgaaccgagg | agtcctttct | 63960 |
| cttcaccatc  | ccagaaagca | aagataacgg | tacgttccgg | ttgctgtccc | gaggcgagga | 64020 |
| aagaacgtac  | aatctgcagt | acggcagaaa | ctccggaagc | attgtcgtcg | gcaccgttat | 64080 |
| aaatctggtc  | gccgtccagc | atcggatcat | agccgatatg | gtcgtaatgt | gcaccgatga | 64140 |
| tgacaaaattc | gtttttgttc | ttgccttcta | ttttggcgag | tacattacgc | atgttgtatt | 64200 |
| tttggtgaac  | tccttgtttg | ataatttgaa | tagagtcggg | atgtacctgt | aatcttcctt | 64260 |
| gtttctgacg  | ctctacgcga | taggcctcaa | aaggctggaa | gtagctgtcg | aataaaggag | 64320 |
| atactcccca  | ttgttgagc  | agagatgcaa | tgtaatggcc | ggcaattctg | ccttcctcgg | 64380 |
| tacctgcttc  | tcgtcctttc | agttcgtcgg | atgccagaaa | gccgacaaaa | gcctcggcac | 64440 |
| tttcttgtt   | tatgagtga  | agccctttct | cttcgggagt | gggatctgag | ttttcttttg | 64500 |
| cataggcggt  | gtcgttgtc  | aaacatgcta | atgcggcaaa | cagcatacaa | aaagtgtatt | 64560 |
| ttttcatgtt  | tgttaaagtt | aatgatttaa | tatgctgaac | gatatttacc | ctcttccttg | 64620 |
| tcttccagca  | tgtttaagta | agaggcgtag | cgtgattcac | tgatgtaatg | tttctctacg | 64680 |
| gcttcgcgta  | cggcacatcc | cggttcgtgg | cgatgtgtac | agttaccgta | tttgcatgta | 64740 |
| gcggaaaact  | cgaaaatctc | tttgaaataa | tgtccaacct | cttcgtcttc | catatcaaat | 64800 |
| gtacaaaatc  | ccttgattcc | cgggtgatca | atgatataat | cgttctcacc | tacagaaaac | 64860 |
| atttcggaaa  | aagtagtcgt | atgcatacct | ttgttatgta | cggtcgatat | ttctcccgtt | 64920 |
| tttaggtgct  | gttcgggtag | aattgcattg | attaaagtcg | acttacctac | ccccgaatgg | 64980 |
| ccggaaaaata | aagtaacttt | accctctaaa | gcttgtttaa | tttcatcgag | tccggtttca | 65040 |
| ttcaaggcag  | aaatcttgaa | acatggatat | ccgatgtggg | tatacagatg | gatcaatccg | 65100 |
| tccagataat  | gaagctcttc | ttccgaatag | cggtcggttt | tggtgaatac | cagacagacc | 65160 |
| ggaacgcgat  | aagcctctgc | cgatgcgagg | aaacggtcga | tgaaagtcgt | cgatgtttcc | 65220 |
| ggataattga  | cggtcaccac | cagcatgcac | tggtccagat | tagcggcaat | gatatgcgat | 65280 |
| tgtttagata  | gattggatgc | acggcggatg | atataattct | ttcgatcctc | tatttcggta | 65340 |
| atgaaagccg  | taccctcaga | gttaatggaa | atttgtacc  | ggtcgcctac | ggcgataggg | 65400 |
| tttgactgc   | ggattccttt | cagacggaag | ttacctttta | ttttacattc | cacttgccgg | 65460 |
| ttatcatcag  | tcttgaccag | ataccagctt | cctgtatttt | ttatgactaa | gcctttttcc | 65520 |
| aaatttttat  | aagggtgaaa | ataaaggatg | aagagaaggt | gacgcgtctg | tgttatcagc | 65580 |
| acgtcgtgta  | tacttcattc | ttcatccttt | atgagtatta | aacagtcagt | atttctttgt | 65640 |
| ctttggcggc  | aagcatttca | tctatttgtt | tgatatactt | gtcgtgagcc | ttctgtaatt | 65700 |
| ttgcttcaga  | atttttctgt | tcattctcgg | gcataccgtc | ttttactgct | tttttcagt  | 65760 |
| catcaattgc  | atcacggcgt | gcattgcgga | cacttacctt | ggctgtttca | ccttcgccct | 65820 |
| tacactgctt  | tgccagttgt | ttacggcgtt | cttctgtcaa | aggaggaata | cctatacggg | 65880 |
| taattttctc  | gttgttttcg | ggcatgatac | ccagatcgga | gtcaataatt | gctttttcaa | 65940 |
| ttacgcggaa  | catactcttg | tcccacgggt | tgattgcaat | gctacgtgca | tcgggagttg | 66000 |
| ttactgctgc  | tacattattg | atagggacca | tgcttccgta | agaatctaca | cggataccgt | 66060 |
| ccagcaagcg  | tacatcggct | tttccggcac | ggatgtgtgc | cagtgcattc | tccagataca | 66120 |
| taattgccat  | atccattttc | tcttcagctc | cgctaagaat | tgtttttgag | tctgccatat | 66180 |
| taaaatttta  | aaagtttatc | gggttagact | tatgctaaat | taatgtgaac | aaaaatacat | 66240 |
| gattttttat  | ttttctgcaa | tagtttgctg | ataattatat | gtttgcttgt | tttccgattg | 66300 |
| ccggatttta  | ttgctttttc | gcgatgtggc | aaagatggag | aaagaagaca | accggtagaa | 66360 |
| tggcaatcat  | aataataagg | agttgtttat | aaggtagaat | aatcgttttg | ttctgcattt | 66420 |
| tctgtttttg  | tctataaaaa | tagattgaaa | gatgtttgat | tatagaaaaa | tgttactata | 66480 |
| tttgccaacg  | acaaaacaat | aatacatgaa | caaatactct | cttcatatca | caatgatgac | 66540 |

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|             |             |            |            |            |             |       |
|-------------|-------------|------------|------------|------------|-------------|-------|
| cggaatgggg  | cacactgcta  | cattcacatc | tgttaccggg | atgaccctc  | gggggtaaga  | 66600 |
| gattgtatat  | taggtgtttc  | tacgtgttac | acgcctgtgg | actcaggcac | ttcattttta  | 66660 |
| ttttaatcaa  | ttattttatt  | tgttttatct | gacaagtgca | tttttcctgt | gataaatgtt  | 66720 |
| cttgataaaa  | agtataagta  | catgaaagta | ttaaaattcg | gtggaacatc | agtaggttct  | 66780 |
| gtcaacagta  | tggtgaatgt  | aaagaagatc | gtcgaagcag | tagatgataa | agtgatagta  | 66840 |
| gtcgtttcag  | cattgggcgg  | cataaccgac | aagttaatca | agacttctac | gatggcggcc  | 66900 |
| aacggagatt  | ctggttacga  | aaaggaaatg | aaggagattg | tgaaccgtca | tatcgaaatg  | 66960 |
| gtttacaccg  | tcattccggc  | aggacagaaa | cgggaactgc | tgctggattg | cgtgaacgaa  | 67020 |
| ctgctgagtg  | aactgaaaga  | catttttcag | ggtatctatc | tgatacgtga | tttgctcgccg | 67080 |
| aagacttcgg  | ctaccattgt  | aagttacggg | gaacgtcttt | cgtctatcat | tgctcgctact | 67140 |
| ttgatagaag  | gggcgcaatg  | gttcgattca | cgtctgttca | tcaagaccga | gaaaaaacat  | 67200 |
| aataaacata  | tactcgattc  | ggaactgaca | actcgtttgg | tgctgaaac  | ttttcacgat  | 67260 |
| atacctcaaa  | tttcattgggt | tccgggattt | atttctaccg | acaagaatac | aggtgaagta  | 67320 |
| acaaacctcg  | gtcgtggtgg  | atcagactat | acagcttcca | ttctggcagc | agcactcgat  | 67380 |
| gctagtgtac  | tggagatatg  | gacggatgta | gacggcttta | tgactgccga | tccccgggtt  | 67440 |
| atcagtacgg  | cttatccgat  | tacggaactg | agttatgtcg | aagcgatgga | gttgtgtaac  | 67500 |
| tttggtgcca  | aagtggttta  | tccgccgact | atctatccgg | tttgccataa | gaatattcct  | 67560 |
| attctgataa  | agaatacgtt  | caatccggaa | gctccgggaa | caatcgtgaa | gcaggaagcc  | 67620 |
| gatcattctt  | ccaaggcgat  | taagggtatt | tcttccatca | atgatacgtg | tctgataacc  | 67680 |
| atgaccggac  | tgggtatggt  | gggagtaatc | ggtgtgaatt | accgaatttt | caagacactg  | 67740 |
| gcagagaatg  | gtatcagcgt  | gttctgtggt | tctcaggcat | cttcggaaaa | ctctacttct  | 67800 |
| atcgggtgct  | ggacggtaga  | tgctccgctg | gcttgccaag | tactgaacga | agagtttgcc  | 67860 |
| aaagaaaatag | aaatgggaga  | aatcagtcgg | atgaaggctg | aaagcggact | ggctaccgtg  | 67920 |
| gctatcgtgg  | gagagaacat  | gaagcacaca | ccgggtattg | ccggaaaatt | gttcggtaca  | 67980 |
| ctgggacgta  | acggtatcaa  | tgtgatagct | tgtgcacaag | gtgctgccga | aaccaacatc  | 68040 |
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| ttcctgtcgg  | aatatcaggt  | attgaatctt | ttcatctgcg | gtatcggaac | agtagggcac  | 68160 |
| agcctgattg  | aacaaatcag  | cagtcagcag | gaacgtttga | agcgtgaacg | tggactgatg  | 68220 |
| ttgaatgtag  | taggtattgc  | caacggacat | aaagctttgt | ttacacgacg | tggaattgat  | 68280 |
| ttggctaact  | accgtcagga  | gttggaagaa | aaaggcattc | cttcgtcacc | tcaagtactt  | 68340 |
| caggatgaga  | ttgtaggaat  | gaatattttc | aactccgtat | tcgtggactg | tacagccagc  | 68400 |
| ccggaaaattg | ccggcttgta  | taaggaattc | ttgagccata | acatttcggt | tgtggcagcc  | 68460 |
| aacaagatag  | ctgcatcgtc  | agaatatgaa | aactatgccg | aattgaaacg | cattgcccgt  | 68520 |
| cagcgtggtg  | tgaagttcct  | gttcgaaact | aacgttggtg | ccggactgcc | ggtgattaat  | 68580 |
| acgatcaatg  | atttgataaa  | cagtggcgac | aagattgtga | agattgaggc | agtgttgagc  | 68640 |
| ggaacattaa  | attatatttt  | caatactctc | agcgccgatg | ttcctttgag | tgaaacaatt  | 68700 |
| cataaagcga  | aagaagaagg  | atattccgaa | cccgatccac | gtatcgacct | gagcggaaaag | 68760 |
| gatgtaatcc  | gcaagcttgt  | cattctggct | cgtgaggcag | gttaccggct | ggatcaggaa  | 68820 |
| gatgtagaga  | aacatctggt  | cataccggat | gacttcttta | agggatcgct | ggaagacttc  | 68880 |
| tggaagaaga  | taccttcgct  | cgacgaggaa | tttgaggctc | gccgtaagg  | acttgaaaaa  | 68940 |
| gaaggaaagc  | actggcgctt  | tgttgccaca | ttggaaaacg | gacatggagt | cgttgcccttg | 69000 |
| caggaaagtgg | gcagaaatca  | tccgttctat | accctggaag | gcagcaacaa | cattattttg  | 69060 |
| cttacaactg  | aacgatataa  | cgagtaccgg | atgctcattc | aaggatacgg | tgccggtgca  | 69120 |
| agcgtaaccg  | ctgccggtgt  | atttgccgat | attatgagta | tcgcaaacat | ttaggcttat  | 69180 |
| gaagcacatc  | attattttag  | gcgacgggat | ggcagactgg | cctgtaccgt | cactcggaac  | 69240 |
| caagacattg  | ctgcaatatg  | caaatactcc | ctacatggac | aagctggccc | gaatgggacg  | 69300 |
| tacgggaatg  | ctgaaaacgg  | ttgccgacgg | atttcatccg | ggaagtgaag | tggcgaatat  | 69360 |
| gtcggttatg  | ggttacaacc  | tcccgttggt | gtacgaagga | agaggcgtgc | tggaagcggc  | 69420 |

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|            |            |            |             |             |             |       |
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| ggaaggagat | atcctcaaaa | atcattcggc | tggtcatatt  | accactgaag  | aggccgatca  | 69540 |
| gttgatcaag | tttctggatg | aaaaactggg | gacagaccgt  | attcatttct  | ataccggagt  | 69600 |
| gcagtatcgt | cacttactgg | tagtgaaagg | tggggataaa  | catctggcat  | gtgtaccgcc  | 69660 |
| ccatgatgtt | ccgctgaaac | ctttccgacc | gaatctgac   | aaagcattgc  | gtcccagggc  | 69720 |
| acaggaaacc | gccgatttgc | tgaacgcctt | gattctgaag  | tcgcaggaat  | tgcttgccac  | 69780 |
| tcatccggtc | aacttgaagc | gggtagcaga | gggaaaagac  | ccagccaaca  | gtatctggcc  | 69840 |
| ttggagtccc | ggttatcgcc | cgcagatgga | accgctgtca  | caaaagtatc  | cttctatcca  | 69900 |
| caaaggctca | gttattacgg | ctgtcgacct | gattcgggga  | atcggacgct  | atgccggatt  | 69960 |
| gcgctgcatc | gatgtggaag | gtgctaccgg | actctataca  | acgaattacg  | aaggaaaggc  | 70020 |
| tcaggcagcc | atcgatgcct | tgaaaaccga | tgattttgtt  | tacctacata  | ttgaggcaag  | 70080 |
| cgatgaggcg | gggcacgaag | gcgacgtaga | cctgaagctg  | aagaccatcg  | aatatctgga  | 70140 |
| cagtcgtgca | ctgggaccga | tttacgaaga | agtgaanaat  | tgggatgaac  | cggtagccat  | 70200 |
| tgccgtattg | cccgaccatc | ctacgccgtg | cgaattgcgc  | accatacag   | ccgaaccgat  | 70260 |
| acctttcctg | atttattatc | cgggcataga | acccgacagc  | gtgcagtgtt  | acgacgaaat  | 70320 |
| agcctgtcgc | gaaggagcat | acggtacaat | ggagaaagac  | gagtttatga  | atgagtttat  | 70380 |
| gaaaatacaa | tagaacgtta | tgaaatatta | cagcaccaat  | aaaaaggctt  | ccgatgcgac  | 70440 |
| actggaagaa | gccgtagttc | gtggactggc | tggcgacaag  | ggtttgtaca  | tgccctcgttc | 70500 |
| catcaaaacc | ctgcccagct | ctttttacga | tgagatagag  | aacctgttgt  | ttcaggagat  | 70560 |
| tgcataccgt | gtagcggatg | ctttcttttg | agaagacatc  | cctgctgata  | cgctgaaaca  | 70620 |
| tatcgtatac | gatacactga | atttcgatac | tccggtagta  | aaggtgaagg  | ataatatcta  | 70680 |
| ttcgttgga  | ctgttccacg | gtcctacgct | ggctttcaag  | gatgtgggcg  | gacgttttat  | 70740 |
| ggcacgcttg | ctgggatact | ttatccgtaa | ggaaggcaag  | aagcagggtca | atgtgctggt  | 70800 |
| agcgacttcc | ggtgatacgg | gcagtgccgt | agcaaacggt  | ttcctgggtg  | tggaagggtat | 70860 |
| tcatgtatat | gtgctttatc | ccaaaggaaa | ggtgagcgag  | attcaggaaa  | aacagtttac  | 70920 |
| tacgtcggga | cagaacatta | cggccatcga | agtagacggt  | acgttcgacg  | actgtcaggc  | 70980 |
| gctggtgaag | aatgctttca | tggacaagga | actgaatgag  | cacatgcagc  | ttacttcggc  | 71040 |
| aaattccatc | aacgtggctc | gtttccttcc | gcaggctttc  | tattatttct  | atgcctatgc  | 71100 |
| acaaatgaag | aagctgggca | aggcagacaa | gctggttaatt | tgtgtgccga  | gcggaaactt  | 71160 |
| cggaatattt | acggccggac | tgtttgga   | gcgaatggga  | cttcccgtgg  | aacgctttat  | 71220 |
| tgacgcaaat | aaccggaacg | atattttcta | tcagtacctg  | aaaaccggag  | aatacaagcc  | 71280 |
| tcgtccttcg | gtggcaacca | tagccaatgc | catggatgta  | ggcgatccga  | gtaactttgc  | 71340 |
| ccgtatactc | gacttgtacg | aaggtagtca | cgatgccatt  | gcgtctgaaa  | taagtggcga  | 71400 |
| aacctatacc | gacgaacaga | tacgtgaaac | ggtacagaag  | acttacgagg  | aaaccggata  | 71460 |
| cctgctcgat | ccgcatggag | catgcggtta | ccgtgctctg  | gcagagaact  | tgaagccggg  | 71520 |
| agaaaatggc | gtctttctgg | aaacagctca | tcctgccaa   | ttcttgca    | cggtagaaga  | 71580 |
| tattatcgga | acggaagtga | agattcctga | aaaattgcag  | gcttttatgc  | ggggaaccaa  | 71640 |
| gcagagtgtg | ccgatgtcga | aagactttgc | ttcgtttaag  | gcttatctgc  | tgaaacagta  | 71700 |
| agcggaacgt | ttgttgcttt | gtagcggaat | gttttttcac  | ttccgctgag  | gagttggaaa  | 71760 |
| aacgtcggca | tgttttttta | ttttttgtac | aaaagatttt  | tttgtttgta  | caaaaacacg  | 71820 |
| ggagcttttc | gcagaacgtt | ttctacctct | cacgggaaac  | tgatggatct  | ttcctgaaaa  | 71880 |
| aggactgatt | tcgtgagcca | aagagcagga | atggctcggtt | atagccgatt  | tgccggaaac  | 71940 |
| agactgttga | acaataaaaa | cagaaaatcc | cgcaggacag  | atgaagcagt  | cctgcgggat  | 72000 |
| ttttacttgt | tgtacaagtc | gtataacgaa | ttacttatct  | attctttatac | atattttcgt  | 72060 |
| aataattctg | gtagtcgcca | ctggtaacgc | tcttaaccca  | ttcctgattg  | ttcagggtacc | 72120 |
| agataatggt | tttcacgata | ccatcttcga | attttgtttc  | cggagtccat  | cccagttcac  | 72180 |
| gagtgatctt | ggtcgggtcg | atggcataac | gctggctcgtg | tcccaggcgg  | tcttttataa  | 72240 |
| atgtaatcag | tgaatcattt | atccagtc   | tacggatttc  | gcccttttcg  | ttcagttctt  | 72300 |

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|             |            |            |             |             |             |       |
|-------------|------------|------------|-------------|-------------|-------------|-------|
| ttttcttcaa  | gaccttacgg | taagcagggt | cctgctccat  | tagatggcga  | atcgctcgcaa | 72360 |
| tggtcagttt  | tacaatctcg | atgttctgct | tttcgttatg  | gccacctaca  | ttgtagatct  | 72420 |
| caccgttctt  | tccttcgcgt | actaccaggt | cgattgcctt  | gcaatgggtct | tctacatata  | 72480 |
| accagtgcgc  | tacgtttgta | ccgtttccgt | ataccggcag  | gcgttttccc  | tcgaggatat  | 72540 |
| tcttgatgat  | cagcgggatc | agcttttccg | gaaaatgata  | aggaccgtaa  | ttgttcgagc  | 72600 |
| agcgcgtaat  | ggtaaccggc | atcttatacg | tgtcgcgata  | agccatgacg  | atcaggtcgg  | 72660 |
| cgctggcttt  | cgaagcgtg  | tacgggctgt | gcggacataa  | aggagtttct  | tcggtaaaga  | 72720 |
| atccttcttc  | tcctagttaa | ccatacacct | cgtcggttga  | aacttgatga  | aagcgtacat  | 72780 |
| cttttctcca  | cgtaggataa | ccattttcat | ctttcccggg  | aacccatgcg  | cggcgagcgg  | 72840 |
| catccaacag  | attttgagta | cctaaaatgt | ttgtctgaag  | gaataactgc  | ggattgtcga  | 72900 |
| tgctacggtc  | tacatgactt | tcggctgcaa | agttgacgat  | ataatcgaat  | ttatatcag   | 72960 |
| caaacaagcg  | gtcggcaagt | tcacggtcgc | atatattgcc  | tcttatgaag  | aaacaacgtt  | 73020 |
| cattgtcgac  | atcctttgag | atggttccca | agttccccgc  | ataagtcagt  | gcatcaagta  | 73080 |
| tgactacctt  | gatgtcttcg | tgtttcgcca | aaatgtattt  | tatataattt  | gcgccgataa  | 73140 |
| atccggctgc  | tcctgtgact | agataagttt | tcatataagg  | tcttacttaa  | aatcggttac  | 73200 |
| aaatttcgga  | aagttttttc | aatcaggcaa | acaattactt  | gtttaattct  | attacttcca  | 73260 |
| agtctgaaaa  | actgccattg | tcgatacaaa | aacgtacaag  | ggtagctacg  | gtatgaaagc  | 73320 |
| cgtatatattc | ggctgctccc | ggatttatgt | gcaacagggt  | cagcgacttg  | tcgtattttca | 73380 |
| ccttcagaat  | atgcgagtgt | ccgctgataa | aaagccgggg  | agggttgcca  | aacaagggtg  | 73440 |
| agcgtatcga  | agcatcgtat | tttcccggat | agcctccgat  | gtgcttcac   | agtacgtcgg  | 73500 |
| ctccgtcgac  | tgtaagcgg  | gcgatttccg | gaaacagccg  | cctcatgtcc  | tgtccgtcga  | 73560 |
| tgtttccgta  | tacagctttc | aaggggcgga | aggcttcgag  | ccgttccacg  | atttccatcg  | 73620 |
| aaccgatgtc  | acctgcatgc | catatctggg | cgcacggttc  | aaagtatttc  | aggtaacgct  | 73680 |
| cgtcccagta  | gccgtgcgtg | tccgataata | atccgattct  | tgtcatattt  | ctttggtttt  | 73740 |
| gtcaggcaaa  | gatagtattt | ttgagtcaac | cttgattcgt  | gacattatgg  | aaaaacaata  | 73800 |
| cagatatttc  | aaccgtgata | tcagttggct | gtcgttcaat  | catcgggtcc  | tgctggaggc  | 73860 |
| cgacgatgac  | gatttgccat | tatatgagcg | gataaacttc  | atcgctatct  | attcgtctaa  | 73920 |
| tctggaagaa  | ttctacaagg | tgcgtgtagc | cgagcataaa  | gctgtagctt  | cgggtggcaa  | 73980 |
| aagcgaggac  | atgacggtag | acgaagcaca | cgagctgac   | cggcggattg  | cggaaattgt  | 74040 |
| caatgcgcaa  | ctggaagata | gaatccggat | ttatgaacag  | aagatattgc  | ccggcttacg  | 74100 |
| ggataatcat  | attattttct | atcagtcgaa | gcgggagatt  | gagccttttc  | accgcgattt  | 74160 |
| tgtacatcgt  | ttctttatgg | aagaagtttt | tccctacctt  | cagccggtaa  | agattgagaa  | 74220 |
| aggaggggta  | cgcattgtcc | tccgcgacaa | acggcagtat  | ctggctgtac  | gggtgtgcag  | 74280 |
| cgccgaaacg  | ggagagggtg | agtattatat | tatcaaaatg  | ccgtacagca  | aattgcctcg  | 74340 |
| ttttgtggaa  | cttccgcggc | agggagagaa | ttactacctg  | atgtttctgg  | aagatattgt  | 74400 |
| caaggcaaat  | ctggcagaga | tatttatcgg | ctatgaagta  | gattgcagtt  | attgctgcaa  | 74460 |
| gatttcgcgc  | gatgccgatg | tgtttgtcga | cgatgttctt  | tccgagagta  | tgggtgaaaa  | 74520 |
| gctgaaagag  | aaagtcaaga | aacgcaagat | cgggtgcgata | gcccgttttg  | tatacgatcg  | 74580 |
| gaagatgcct  | gccgactttt | tggcttttct | gatggatgct  | ttctctatca  | gcagtgaaga  | 74640 |
| gcttgtgcca  | ggcgacaagc | acctgaattt | ggaggatttg  | tcgtcattgc  | caaatccgaa  | 74700 |
| tcctgagggtg | aaacctttga | taaagcctgc | cccgatgcgg  | cttgccggac  | tggatgggaa  | 74760 |
| gcatttcatg  | tatcgccgta | tcgccgcaaa | ggacttgatg  | ttgcattatc  | cctatcatag  | 74820 |
| tttcgatcac  | tttattcatt | tcttgtatga | ggcagtacac  | gatccgttct  | gtaaggaaat  | 74880 |
| catgattacc  | cagtatcgtg | tagcggaaca | ctcggaagtg  | atcaatgctc  | tgatagcagc  | 74940 |
| agcacgaaac  | ggtaagcagg | taacggtctt | tgttgagttg  | aaagcccgtc  | tcgatgaaga  | 75000 |
| aaataatctg  | gcaactgccg | agctgatgcg | caaggcggga  | atccggattc  | tgttcagcat  | 75060 |
| accgggactg  | aaagtgcatt | ctaaggttgc | actcgtgtta  | cgctacaaca  | agaaaggcga  | 75120 |
| acagatacgc  | agttatgcat | acgtcagtac | gggtaatttc  | aatgagcaga  | cggctaaaat  | 75180 |

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|             |            |            |             |            |            |       |
|-------------|------------|------------|-------------|------------|------------|-------|
| ttattcggat  | atcgcacttt | atacctgcaa | caaggtgata  | gtggaagaca | tgcatacact | 75240 |
| gttccgtttc  | ttgcggaaag | aagtagaaga | acctaagttt  | aagcgcctgt | tgatagctcg | 75300 |
| tttcaacttg  | cttccggagt | taaaacggat | gattcaccat  | gagattgctt | tggtaaagag | 75360 |
| tggaagcaa   | ggccggattg | ttcttaaaat | gaatgcgctg  | caagatcttg | ccatgataga | 75420 |
| cgagctgtat  | cgggcaagcg | aggcgggtgt | aaaaatcgac  | ctcatcgtgc | gcggaatctg | 75480 |
| ctgtttggtg  | cccggagaat | cgttcagccg | taatattcgt  | gttaccgcga | ttgtcgacag | 75540 |
| ttttctggaa  | catgcccag  | tatggtat   | cggtataaat  | ggagatccgc | ggttgtttat | 75600 |
| cggtctctcc  | gactggatga | aacgtaatct | gtatcgtcgg  | atagaggcag | taactccagt | 75660 |
| cttgataaaa  | gacctgaagc | aagaactgat | agatatgtct  | gatattcagc | ttcgtgctaa | 75720 |
| ctggaaaagcc | tgctgggtag | atagcgagtt | gaggaatatt  | ttcaagcgta | ctcccgatga | 75780 |
| accgaaagt   | cgtgccag   | atgatttcta | tcagtatctg  | cgtaagaaac | aggagaagga | 75840 |
| tattgaaccg  | taatgttct  | gaataaaaaa | tgaaggccgt  | ttcaacgtaa | gggggggaga | 75900 |
| ttgttgaaac  | ggcttcattg | cccgtatatc | atgaataagg  | ggaaatgatt | tagggcataa | 75960 |
| cgttatatct  | taaggaagtt | gaagcttcag | ctttacgaat  | tgtttgataa | actctacagt | 76020 |
| gccatctatt  | cctaataccg | aagagtcgat | gcacaagtga  | taggtagcgg | cagcacccca | 76080 |
| tgtcttgtaa  | ctgtaataat | tatagtagga | tgaacgcttt  | ttatctgctt | tctccatcag | 76140 |
| ttcttcagct  | ttttctgcac | tgatgtttg  | cagcttcac   | agtctttcga | tgctgtgctt | 76200 |
| aggcgaagcc  | gatacgaaaa | tattggcaca | gcgtggaaaa  | tcgcgcagaa | tgtaatcggc | 76260 |
| acaacgacct  | acaaacagac | aggatttctg | ttctgccaga  | tgacgtatca | catcactttg | 76320 |
| tattttaaat  | agtgagtcgt | tgctcagata | tgaattatat  | ggataagctc | cttcggttac | 76380 |
| aaatgggaat  | cgtgctccaa | ataatcctcc | caatatgctt  | tgagaagcct | tttcatctgc | 76440 |
| tttctcgaaa  | aactctttgc | aaagtccgct | ttctttggag  | gccaggttta | tcagctcttt | 76500 |
| atcgtagaaa  | gctataccta | agtcttttag | cagttttctca | ccaatttctt | ttccgccact | 76560 |
| accagttga   | cgtccaagat | taatgatata | gtgattattc  | ataatgactg | atattttggt | 76620 |
| cgtaaggcaa  | atataaataa | aaaattatat | atitttccatc | tcttgtagag | aaacctgttc | 76680 |
| cattttgcaa  | agaaaaatca | caatttagtt | catttgagca  | gctttatgct | tgaattgttt | 76740 |
| gaactgattg  | tatagcatga | aaccggctat | cacgctggct  | gttatatcgg | aaataggcat | 76800 |
| gctgaaccat  | attccgtccg | ctccccagaa | caaagggagt  | atcagcaggc | acggaatcag | 76860 |
| tatcagtact  | tgctcggtaa | gtgaaaggat | aatagctttc  | ttagccatgc | caatactctg | 76920 |
| gaagaagttg  | gatgttacca | tctggaatcc | gatgatagg   | aagaacatga | cagtgatacg | 76980 |
| caatcctcgt  | gccgacagat | ctatcagggt | ttggtcggct  | gtgaaagccg | atacggcaag | 77040 |
| ttccggcatc  | agttctccta | ccagaaaacc | gctggtgggt  | acaatcgtag | ctgctatgac | 77100 |
| ggtcagtttc  | atgacgtgat | ttaccggatg | atattgttgt  | gcgccgaaat | tatagccggc | 77160 |
| aatgggctgc  | ataccttggt | tcagtcccat | gacaatcata  | acaaaaagga | aagtgattcg | 77220 |
| gttgacgata  | ccgaaagctc | caatagcaag | gtcgccgtcg  | tacagtttca | gtcccttggt | 77280 |
| gatcagaatg  | acaatcatgc | acgacgtac  | attcataaag  | aaaggtgcca | gtcctattcc | 77340 |
| gataatgttt  | tccaccagca | cacctttcaa | ccggtaaatg  | cctcggcgga | aatgaagcag | 77400 |
| ttcactttta  | ttgcagaaca | atttgatgag | ccagcagaga  | gaaatgatct | gtgccaggat | 77460 |
| ggttgccaca  | gctgctccgc | gtattcccat | gccgaatccg  | taaataaata | tcgggtcgag | 77520 |
| tatggtattg  | atgaccaccg | tcaggatagt | ggccaccatg  | gctttctgcg | gatgtcctgc | 77580 |
| cgaacggagt  | acggagttca | gccctaaata | catgtgggta  | accacatttc | ctaaaaggat | 77640 |
| ggttaccatg  | tagtcgcgtg | cataaggcag | tgtagcttcg  | cttgaccga  | agaaatatag | 77700 |
| gatcggatcg  | agaaaagcta | gtgcgataat | ggtaaagaca  | atgccgataa | tcaggttcag | 77760 |
| agatactaca  | ttccctaaaa | tctgttgctg | cgtatcataa  | tctttctgtc | ccagtttcac | 77820 |
| cgaaacgagg  | gtagaagctc | ctacacctac | cagttagccg  | aaagcggcag | ccaggttcac | 77880 |
| cagggggaaa  | gtgatggcaa | gcccggaaat | ggccattgcg  | cctactccgt | gtccgataaa | 77940 |
| aatactgtct  | accatattgt | agagtgcga  | tgcggtcatt  | gcaataatgg | ccggaatggc | 78000 |
| gtattgcatc  | aatagtttgc | cgatgggctg | gtttcccatg  | tctgttgctg | ttcctttttg | 78060 |

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| gggaaaaactt | tccgtatctt  | tgcatcgatg  | aaattatggg  | atttatggaa  | cattcttctt  | 78180 |
| tatcttttgct | ggagctgaat  | tcactgggtac | gtaaaagtat  | tcgtacgtgc  | ctgcccagata | 78240 |
| cgtattgggt  | acaggcagaa  | cttagtgatg  | tacgtgccaa  | ttattcgga   | cattgttatc  | 78300 |
| tggagtttgt  | acagaaagat  | gcaaaaggca  | atatgctagt  | tgcaaggca   | cgggggatta  | 78360 |
| tctggagcaa  | tgtatattat  | ccgttgaagg  | cctatTTTtga | gcgggaaacg  | ggacaggcgt  | 78420 |
| ttgtttcggg  | tatcaagggtg | ctggtaaagg  | tgagtgtcga  | ttccacgaa   | ctgtatgggt  | 78480 |
| attcgttgac  | tgttcttgat  | attgatccga  | catatacgtt  | ggcgatatg   | gcacttcgcc  | 78540 |
| ggaaaagaaat | cttgaaacga  | ctggacgaag  | aagggtgtctt | gacgctgaac  | aaagagctgg  | 78600 |
| agttgccgga  | attgacgcaa  | cggatcgctg  | tcatttcttc  | ggctacagcg  | gctggctatg  | 78660 |
| gcgatttctg  | caatcagctg  | gaacataatc  | cttttggttt  | tatcttttat  | cctcgtttgt  | 78720 |
| tcccggctgt  | tatgcaaggc  | gaccgtgtgg  | aatgttccat  | tatccgtgcg  | ctggaaaaaa  | 78780 |
| tcaatgcgga  | gcgcgaacac  | tgggatgttg  | tagtaatcat  | ccgggggggg  | gtgctacgtc  | 78840 |
| cgatttgtcg  | ggcttcgata  | cttacaagct  | tgctaccaat  | tgtgtcagct  | ttcccttgcc  | 78900 |
| tatcattaca  | ggtatcgggc  | atgagcgtga  | tgatacgggtg | ctcgatatga  | tagctcatac  | 78960 |
| gcgagttaaa  | accccgacgg  | cagctgccga  | gtttttgata  | gaccatatga  | ggcagacagc  | 79020 |
| agagcgtctg  | gaagaatata  | ctcagttctt  | ttatcaggaa  | cttccggcct  | tgtttcttcg  | 79080 |
| ccggaaggaa  | cagtttgaac  | aatgggtttc  | acgtattccg  | gtacgggtgc  | agatgcgtct  | 79140 |
| gcaacatgaa  | cgtttccgtc  | aggagcgatt  | gacgaaacag  | ttgcagatgg  | gatggcagac  | 79200 |
| ccgtttgttg  | aaagaggagt  | atcgtttgca  | ggtagaccgc  | cggatagctg  | tggcgttgga  | 79260 |
| atcaatcctg  | caacgagaga  | ggcaccgtct  | ggctatgctg  | gaacagcagg  | tgaaatcgtc  | 79320 |
| ttcaccggac  | ttattgttga  | aaaaagggtg  | tagcatcacc  | ctaaagaatg  | gaaaagcagt  | 79380 |
| gacagatgca  | tcccagcttc  | ttccgggaga  | tgaagtaact  | acccgggtgg  | caaaaggaga  | 79440 |
| atttaagagt  | aaagtgatat  | aattatggca  | gcgaaaaagg  | aaacgtatac  | cgaggctatg  | 79500 |
| aagcgtctgg  | aagctatcgt  | agcacgaatt  | gaaagcaatg  | aactcgatat  | tgatgaactg  | 79560 |
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| gcagatgtcg  | aaatcaaaaa  | gatgcttgat  | gaaggcagta  | ctgtggaaaa  | aagcagtgat  | 79680 |
| taagtgggat  | tttgcaaata  | taagccttac  | ttttgttcga  | acacttataa  | cggaatgtaa  | 79740 |
| aacataaaca  | ttatagtaaa  | atgaaagaaa  | ttgattgggtc | taatctgtct  | tttggttaca  | 79800 |
| tgaagacaga  | ttacaatgta  | cgttgttact  | atcgtgacgg  | gaaatggggg  | gaactggaac  | 79860 |
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| aagctttcga  | aggtttgaaa  | gcttatcgtg  | gtaaagacgg  | caagattcgt  | gtgttccgtc  | 79980 |
| cgcaggccaa  | tgccgaacgt  | ctgcaaagta  | cttgtagagg  | tatcttgatg  | cctgaactgt  | 80040 |
| cgaccgagaa  | attctgtgag  | gcagtacgta  | tggttgtaaa  | ggcaaacgaa  | cgtttcattc  | 80100 |
| ctccttatga  | aagcggagct  | tctctttata  | tccgtccgtt  | gctgattggg  | acaggagcac  | 80160 |
| aggttggtgt  | tcatccggca  | aacgaatatc  | tgtttgtgat  | tttcgttact  | ccggtagggtc | 80220 |
| cttatttcaa  | aggtggattt  | gctaccaatc  | cgtacgttat  | cattcgtgaa  | tatgaccgtg  | 80280 |
| ctgctccgct  | gggaaccggt  | actttcaagg  | tgggtggtaa  | ctatgctgcc  | agtcttcgtg  | 80340 |
| ccaataagat  | ggcgcacgat  | gcaggttatg  | ccagcgaatt  | ttatctggat  | gctaaggaaa  | 80400 |
| agaaatacat  | tgatgagtgt  | ggtgctgcca  | acttcttttg  | tattaaaaac  | aatacctacg  | 80460 |
| tgacaccgtt  | gtcgacttct  | atccttccgt  | ctattacaaa  | ccgcagcttg  | atgcagcttg  | 80520 |
| ccgaagacat  | gggactgaaa  | gtagaacgcc  | gtccgattcc  | ggaggaagag  | ctttctacat  | 80580 |
| tcgaagaagc  | cgggtgcatgt | ggaacagcag  | ccgttatcag  | tccgatcgag  | cgcacgcagc  | 80640 |
| atttgaaaaa  | ccataagtcg  | tatgtcattg  | caaaagatgg  | caaaccggga  | cctgtcagtg  | 80700 |
| aaaagctgta  | caacaaactg  | cgtgcaatcc  | agtatggtga  | cgaggctgat  | ccgtacggat  | 80760 |
| gggtaatgat  | tgtagagtaa  | ttattactga  | taaactataa  | ataatcaacc  | ttaaatTTTT  | 80820 |
| aatgctatgt  | taaaactaaa  | ctcagagtta  | agagctgttt  | cgcgtaaac   | attgtcgggt  | 80880 |
| aactggatga  | tggctgcgct  | tgctacattg  | gtttatctgc  | tgatagcagg  | aggggttagt  | 80940 |



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|             |             |            |             |             |            |       |
|-------------|-------------|------------|-------------|-------------|------------|-------|
| tccattcctg  | ttgcaggaag  | tgtacttgcc | attatcataa  | cgtatccgct  | tgcgtatgga | 81000 |
| tttgaatat   | tgtttctcga  | cttgttccgt | gaggggaagc  | ctattgacat  | aggaaaactg | 81060 |
| ttcgaatggc  | tcaaagattt  | tggaagagtc | tggggaacgt  | tgattttagt  | tgctatctat | 81120 |
| acgattctgt  | ggacctgctt  | gttgattatt | ccaggatttg  | tcaaatcgta  | ttcatacgct | 81180 |
| ttgactcctt  | ttatattaaa  | ggatgagccg | gaattgaaat  | acaatgcagc  | tatcgaaaaa | 81240 |
| agcatgcgta  | tgatggacgg  | ctataagatg | aagttatttc  | tgctcgattt  | gagctttatc | 81300 |
| ggctggatga  | ttttgtctgt  | attgactttg | ggtatcggat  | tgctgttctt  | gcaaccttac | 81360 |
| atgaatacgg  | ctcgtgctgc  | tttctatgaa | gacctgaagg  | cagaattaag  | cgatagatat | 81420 |
| gtaagcgaag  | aagagaataa  | taattgattt | ataaatcacc  | acagtatatg  | cggacaggca | 81480 |
| gaggaagaca  | gacctctgtc  | tgtccgctgt | tttctatggt  | gattcttttt  | tgtccgtttc | 81540 |
| ggcgaaaaaa  | cgtacctttg  | tgcccaaaac | aagaagaact  | cagtaaagat  | gggaaaagga | 81600 |
| aagctggcaa  | agtttgacga  | tatggcggaa | tatccgcatg  | tgttcgaata  | tccgtattcg | 81660 |
| gtagtagatg  | atgttccggt  | cgagatgaaa | ggaaaatgga  | accgcgattt  | ctttaaaaaa | 81720 |
| gagaatccga  | ttgtgctgga  | gtaggggtgc | ggtcgggggtg | aatataccgt  | gggactggca | 81780 |
| cgacgttatg  | ccgacaagaa  | tttcatcggg | gtggatataa  | aggggtgcacg | tatgtggacg | 81840 |
| ggagctaccg  | aagccctgaa  | tgaaggactg | aaaaacgcgg  | cttttctaag  | aaccaacatc | 81900 |
| gaaatcatcg  | accgcttttt  | tgctccggga | gaagtgaagt  | aaatctggct  | gacgtttctc | 81960 |
| gatccgcaga  | tgaagaaagc  | taccaagcga | ctgacttcta  | catgtttcat  | gaaccgttac | 82020 |
| cgtaagtttc  | ttgtgccgga  | tggactggta | cacttgaaaa  | cggacagcaa  | tttcatgttt | 82080 |
| acgtatacca  | agtacatgat  | agaagccaat | aagttgccag  | tagaatttat  | caccgacgat | 82140 |
| ttgtatcatt  | cggggatgga  | tgacgatatt | ttgagcatcc  | gtacctatta  | cgaacagcaa | 82200 |
| tggtctggatc | ggggattgaa  | tataaagtac | attaaattcc  | gcttgccctca | ggaaggagag | 82260 |
| ctacaggaac  | ctgacgtaga  | aatcgaactg | gatgattacc  | gtagttataa  | tcgcagtaag | 82320 |
| cgcagcggac  | tgaaaacaag  | taaataataa | aaggtaaata  | tgatgacact  | ttatccaaaa | 82380 |
| ctgattcctg  | atgcactggc  | aacggtgctg | tatccgggaa  | atggaaagaa  | tattgtggaa | 82440 |
| gccgaaatgg  | tggccgacaa  | tattcgtatc | gacgggatga  | aggtaagctt  | ctcattaatt | 82500 |
| tttgagaaac  | cgaccgatcc  | gtttatgaaa | tcggtagtca  | agtctgccga  | aacagctatt | 82560 |
| catacctacg  | tatcgaagga  | ggtagaagtg | acaatcgcta  | ccgaaagccg  | tcaggcggct | 82620 |
| cgtccggaac  | cgggaaaaat  | gcttccgcag | gtgaagaatg  | tgatagccgt  | ttcttccggt | 82680 |
| aaagggtggag | taggtaaatc  | tacagtagca | gccaatctgg  | ctgtagcact  | ttccaagtta | 82740 |
| ggctataaag  | ttggtttgct  | cgatgccgat | atcttccggtc | cttctgtgcc  | gaagatgttt | 82800 |
| caggtagagg  | atgctcgtcc  | gtatgcagaa | atggtagacg  | gtcgtgattt  | gatcgtgccg | 82860 |
| attgagaaat  | atggtatcga  | actgctctct | atcggtttct  | ttgtcgatcc  | ggatcaggct | 82920 |
| actttgtggc  | gtggaggtat  | ggcaagcaac | gccctgaaac  | aattgggttg  | cgatgcgaaa | 82980 |
| tggggagacc  | ttgactattt  | tattcttgat | actcctccgg  | gcaccagtga  | cattcacctg | 83040 |
| acgttgcttc  | aaacgcttgc  | cattacggga | gctgttattg  | taagtactcc  | gcaggaagtt | 83100 |
| gcccttgccg  | atgcacgtaa  | gggtatcaat | atgtacatga  | atgataaggt  | gaatgttcct | 83160 |
| atcctcggac  | tggtagaaaa  | tatgtcatgg | tttactccgg  | cagaacttcc  | cgagaacaaa | 83220 |
| tattatcttt  | tcggtaaagga | aggaaccaag | cggttggcag  | aagaattgca  | tgtgccgttg | 83280 |
| ctgggacaga  | ttcctattgt  | acagagcatc | tgcgaaaacg  | gagataaagg  | aacaccggtt | 83340 |
| gcgctggacg  | aaacttctgt  | taccggacag | gcttttctgg  | aactggcacg  | caatgtcgta | 83400 |
| gcacaaaccg  | aaaaacggaa  | tgcagaactg | gcaccgactc  | aggttgtaaa  | gacgcataaa | 83460 |
| taagtaaata  | cgcgaaacat  | atataaagga | gaatgctctc  | tttctgcaaa  | agtgaaggag | 83520 |
| ggtattctcc  | tttttctatg  | gaatatctta | aaaagacatg  | ggcgggtttt  | aggaaaaacg | 83580 |
| tgggcggaag  | ttggagcaaa  | cgtgggcatg | tttcttttca  | aacctcggcg  | ggggttcgaa | 83640 |
| ataagtttca  | gctgataaat  | gtgacatttt | gctgttttca  | gagaaagcta  | ggcggagttt | 83700 |
| cagataattt  | aattaaaatc  | agtgcagcct | ttaaggaaat  | aattcttttc  | tttatagaac | 83760 |
| aatgttatgt  | gaaaccaaac  | tatgcacaat | atgaagaaag  | tacatctgtt  | gagctggcta | 83820 |

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|             |             |             |             |            |             |       |
|-------------|-------------|-------------|-------------|------------|-------------|-------|
| gtgctgttta  | tcagtttatt  | cccttctatc  | ttgcaagcac  | aaagttacga | tgaacttttg  | 83880 |
| aaagaggtag  | aagtaagcca  | gaagaaggac  | ttgccgaaaa  | cggtagtag  | tgtagttgat  | 83940 |
| aaaatataca  | ctaaggcaaa  | aggtgaaaag  | aacatccctc  | aatgatgaa  | ggcttacatt  | 84000 |
| gtacgtgccg  | aatcacgtat  | ccagcttact  | ccggacagcg  | cacagacgga | gtacgatggc  | 84060 |
| atccagcgat  | gggcggaaag  | tgaacaggat  | ttggtggctc  | gtgctgact  | gaatcatata  | 84120 |
| atgggtagtc  | tgatactgga  | taatcagcag  | ttgggtacgg  | aagatgatgc | catacggtat  | 84180 |
| ttccgtcttt  | cactgaaaga  | caaggaggca  | ttgggcaagg  | cttctgccaa | ggacttccgt  | 84240 |
| ccgatgacca  | cttctggcga  | actgagttag  | aaatacttga  | atgataatat | gttcgatctg  | 84300 |
| ctttcgcggc  | aggcaatcga  | ccgcttgctg  | gcttatcgtt  | tcataggcga | ccgtcggaaa  | 84360 |
| tgtgtgtcgg  | aagcattggc  | tttgtagcat  | gacttaatat  | cgttttatgg | cgacaataat  | 84420 |
| aatcgtcagg  | cggctttgct  | taccaaagaa  | gcgcgggtgt  | tgtactgctg | ggaagggtgca | 84480 |
| ggaagtagta  | tcgtgcgtga  | agcactgaca  | ccggagaaag  | cggcagagga | attgcgtaag  | 84540 |
| ctggcagagg  | aatacaagga  | tctgcctgtc  | tgcgccgatg  | tatatgtaaa | attggcacat  | 84600 |
| gtttaccgca  | tgaacaatca  | gccacttaag  | tcggttgagg  | ctgcacgcga | aggaattgag  | 84660 |
| aaataccctg  | cacacgagtg  | ggtatctcag  | ttgcgttcac  | acatcgattt | tgcttccagt  | 84720 |
| ccgtatcttt  | cgggtcaatat | tccgctggta  | tatcctaagc  | aggaagcaga | tatcaatgtg  | 84780 |
| acgtatgcca  | acctgaaagg  | tgtatctttt  | gaactgtatc  | gtctgaagat | atcgcctgct  | 84840 |
| tcttcgttac  | ttcgcggcaa  | tctgaaggaa  | gaaaccttga  | taaagaatta | cggaactaaa  | 84900 |
| atagcttcgc  | gccattatgc  | tttatcgccg  | actcccgaat  | acgaaaagcg | tgacacggta  | 84960 |
| ttgcaactata | ctttgcccga  | agcaggaatt  | tacatgctga  | aacagattcc | tcaagaggcg  | 85020 |
| gagaaaggca  | tcgattattc  | actgctgttt  | gtttctcctt  | atcagtgcac | cagcattcct  | 85080 |
| gtgtccgagg  | aacgtaagga  | gtttgttgtg  | gtggataagc  | tgacgggtaa | acctgttccg  | 85140 |
| ggagcggaag  | tcgttacgta  | tcggttgaaac | agcaacgaat  | acagcgttct | tcaggatatat | 85200 |
| aaaaccgatg  | gaaagggcag  | tgcgatggtc  | gacattcccc  | gtttgggcag | gattttattac | 85260 |
| aatgtccgta  | cggcagggaa  | cgactttgct  | gctatctcga  | gcataggagg | aaacgcacatc | 85320 |
| tttgtcaggg  | aaacgggtgca | aggatggaag  | aaaaaagtga  | acttgtttac | cgaccgttcg  | 85380 |
| ctgtatcgtc  | cgggacagaa  | agtctatgtt  | tctggtatgg  | tttacgaaca | gaatggcgat  | 85440 |
| tctcttcggg  | tgggtcaagg  | agaaaagact  | tccctgaaat  | tgtattcttc | cgaacaaagt  | 85500 |
| gtggcggaga  | gtgcggcatc  | gaccgacgat  | tttgggtgtac | tgtcgggcga | atttgttttg  | 85560 |
| ccgcagaacc  | tgcttcccg   | cacgtattat  | gtgtcgacag  | acggagcttc | tgccattatc  | 85620 |
| aaggctcgaag | aatacaagcg  | acctactttc  | gatgtggtct  | ttattcctta | cgaagatacg  | 85680 |
| tacaacatgg  | gtgattccct  | taccgtgaaa  | gggagggcaa  | agacgtttgc | cggcgcacct  | 85740 |
| gtccgcatgg  | cgagggtag   | atatacggtt  | tcacgtaccg  | aaaggacttg | gttccgcatg  | 85800 |
| ggaggtatca  | ataaggttga  | gttggaact   | ggagaagttc  | agaccgatgc | cgatggacag  | 85860 |
| tttcgggtga  | acatggtact  | tactgctccc  | gaaacaaccg  | attggggcgg | actgggttac  | 85920 |
| cgttactatg  | tatatgaagt  | acaggcggag  | gtgacggatg  | gtgccagtga | aacacagtct  | 85980 |
| gggtctttat  | ctcttccggt  | aggcgaacag  | tcgttgggct  | tgcagatacg | aggcctgtcg  | 86040 |
| gatctcgtta  | tgctgtaaaa  | acaggagaag  | gtgcagttca  | tggcattgaa | tctgaacggt  | 86100 |
| actcctgtaa  | agacagaggt  | tcgttactgt  | gtgtttgcac  | tggatcagga | aggtaacaaa  | 86160 |
| ggtaagcagc  | aactggagg   | taaggctgtg  | gcacagcagt  | cgtttgtagc | ttccgacctg  | 86220 |
| ctggcattgc  | cttccggtaa  | atatacgatc  | gagatttcgg  | caacggatgc | gcagggacgg  | 86280 |
| acttgtacag  | cggaaacagga | ttttactttg  | ttctcacgct  | tggatactcg | acttccttat  | 86340 |
| ccggctgtcg  | actggttcta  | tcaggatgga  | aacgaattca  | gcgattcggc | tccggcgact  | 86400 |
| ttgtatgttg  | gaaccagcga  | aaaggatgtt  | tatttgctgg  | tcgacgtgta | tagtggaaac  | 86460 |
| aaacgaattg  | cttctcaacg  | gctgacgctg  | agtgatgaaa  | tcaaaacggt | cagctatccc  | 86520 |
| tatcagaaaa  | tgtatggtga  | tggcatttcc  | gtaaaccttg  | cttttatgcg | gaacggtagt  | 86580 |
| ctgtacagca  | ggcaggcgac  | aatcatccga  | ccggaaccgg  | aaaagaaact | gacgttgaaa  | 86640 |
| tgggaaactt  | tcagggataa  | attgcagccg  | ggcagtcagg  | aagaatggcg | gatgcgtgtg  | 86700 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| acggatgcta  | cgggaaagcc  | ggtaagagcc  | aatttgatgg  | catcgcttta  | cgatgcttcg  | 86760 |
| ctcgataagc  | tgtaccagca  | cgactggcgt  | tttaaccttt  | ggttctctcg  | ccccgttccg  | 86820 |
| tggattcagg  | caggtatgct  | gtcggccagt  | cagcgtgtcg  | gcatgtatgg  | cggttttcca  | 86880 |
| tacgtaagaa  | cttatacggg  | attggatttg  | ctgaatggtg  | aatatagttc  | tttgctggta  | 86940 |
| ttctctggaa  | ccgtttatac  | gcggggtgtc  | aacttgctgg  | gtacttctac  | ccgtatgctt  | 87000 |
| gcaaacaga   | gcgcaggaga  | tgtcgtagag  | gtgaagtttc  | agccagccat  | gactgtagaa  | 87060 |
| gaatcggctg  | tcgttgctgc  | tccgaatgta  | atatcgtcta  | actttaaaaa  | agatagtggc  | 87120 |
| agtgccgaag  | tggaggacgt  | cttgacagatt | gtagaaaatg  | atgctgccgt  | agaagctgcg  | 87180 |
| gaggatgaag  | aagcgaatgat | tccagtgcgt  | gaaaactttg  | cagaaacagc  | ctttttttat  | 87240 |
| ccgaacctgc  | ggaccgattc  | attggggaggt | gtaagtattg  | tctttaccat  | gccggatgcg  | 87300 |
| ttgaccgagt  | ggaagttcac  | gggactggca  | catacgcagg  | ctgtcgatta  | cggtatgttg  | 87360 |
| acgcagaccg  | tgaagacgag  | caagccgttt  | atggtgcagc  | ccaatatgcc  | gcgcttcgtt  | 87420 |
| cgtaaaggcg  | accgtaccgt  | tattgctgcc  | tcattggtca  | atctgtcgat  | ggataagatt  | 87480 |
| gaaggaaatg  | ccggtattaa  | actatacgat  | ccggtgacgg  | aagaagtggg  | gtacgactat  | 87540 |
| cagcagccgt  | tcagtgtgtc  | agaaggaaca  | acgggagtcg  | tacggttcga  | ctgccagatt  | 87600 |
| ccggatacgt  | acgatatgct  | ggtttgccgg  | attactgctg  | aggcgggaga  | atatagcgac  | 87660 |
| ggtgagcagc  | attatctgcc  | ggtactgacc  | gacaaacagt  | ggatgacgga  | aaccgttcct  | 87720 |
| gtgcagttgg  | atggagaaag  | catgacggaa  | gtcggaaacg  | aaggcttggt  | caacaagcag  | 87780 |
| agcaagacag  | ctaccgaacg  | acggctgacg  | gtggaactga  | cggccaatcc  | cgactggtat  | 87840 |
| gcggtgcagg  | cactgcctgt  | tgtcggcaat  | ccgacagaag  | aagatgcact  | ttcgtgggag  | 87900 |
| actgcttatt  | atgccaatc   | actagctgcg  | gctattgtga  | aggcaaatcc  | ccgcatcaag  | 87960 |
| caagtattcg  | atacttggat  | ggctcagggg  | ggcagcaagg  | aaaccctggt  | gagtaacctc  | 88020 |
| gaacgcaatc  | aggatttgaa  | gaatctggtg  | ttcgaagaaa  | ctccgtggat  | ttctgaagct  | 88080 |
| acggaagaat  | ccgaacagaa  | gcggcggtatt | gcgttgctgt  | tcgatctgaa  | ttcgatggac  | 88140 |
| aaccgtctgc  | gcacttcgat  | agaacgtttg  | caggagttgc  | aattgtccga  | cggctcatgg  | 88200 |
| agctggtata  | gaggcatgac  | aggcagccgc  | tatattacaa  | cgcagatagt  | ggagatgctg  | 88260 |
| gcacgtttgc  | agcacatgaa  | cgtgacactg  | gacggaaagg  | ttgttccgat  | gtatacgcg   | 88320 |
| gccttgggct  | atttgcagaa  | agctgtgaag  | gaagattatg  | agacaatgaa  | gaaactggaa  | 88380 |
| aaggaagggtg | cgacaactct  | tgttcccaac  | aatcagggtg  | tacactatct  | ctacgtttgt  | 88440 |
| gccctcgaaa  | agcaggctgc  | ttcgctggca  | gacaagcagg  | tgaatgccta  | tatgacggac  | 88500 |
| aggctggaaa  | accgttcggc  | tgagtattct  | atcgtcgaga  | aggcgatgat  | tgggctcatt  | 88560 |
| atgcaagccg  | gtggcagaca  | gcgtcaggca  | caggaaactg  | ttcagtctat  | caaggaatat  | 88620 |
| acggtaaagta | cgccgcagat  | gggtgtatat  | ttcgatacgc  | cgaaagcacc  | atattcatgg  | 88680 |
| aataattaca  | gaatccctgc  | acaggtagct  | gccatggaag  | ccattcagca  | gattgcccc   | 88740 |
| gatgcggata  | tgctggcagg  | catgaagctt  | tggctgctca  | agcagaagca  | ggttcagggtg | 88800 |
| tgggaaaagta | gcattgctac  | agccgatgcg  | gtatatgctt  | tcttgaatgg  | ttcgggtaac  | 88860 |
| cggttgcaag  | taaatggaac  | gatgaaagca  | gtagccggta  | acgtggagggt | acggacgccc  | 88920 |
| gacgatgtat  | tgggatatac  | ccgaaagaca  | ctgactggaa  | cagatacgca  | tgtagaacgt  | 88980 |
| gtggtcgttt  | cgaaatcggg  | aaccggcata  | ggctggggag  | ctgtatatgc  | acaatatctg  | 89040 |
| gaagagatgg  | ataaagtgtc  | tccggcaaaa  | ggaaatgggtg | tttcggtcgc  | acgtgaatgg  | 89100 |
| tggatggatg  | gtaagcagat  | ttcccgaag   | acggttctgc  | acgccggaga  | taagatgacg  | 89160 |
| gtacgactga  | cggtaaaggc  | cgaccgcgac  | atggatttta  | ttcgggtgaa  | ggatgagcgt  | 89220 |
| gctgcctgca  | tggaaacctga | tacgcagttg  | tccggctatc  | gatggagcaa  | cggattagga  | 89280 |
| tgttatcagg  | tgaatcgca   | cgcttctacc  | gagttcttta  | tcgaccggat  | gccgaaggga  | 89340 |
| acgtatacgc  | tggaaatac   | tgtttatctg  | gatcgctcgg  | gaatttatca  | ggctggtgct  | 89400 |
| gcaaccatcc  | agtcggttta  | tgctcctgag  | ttcagcggac  | acaccggagg  | ccagacattg  | 89460 |
| acagtagaat  | aaaaatcgat  | aaaaagaggc  | aggctgaggc  | agttctctct  | gtagaagagg  | 89520 |
| ctgtttcagc  | ctgcttttct  | tttcccggct  | gtatcggcaa  | atttatatta  | attcactagc  | 89580 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| aacctttgtt  | cgtctttgat  | tttctagtta  | tctttgttca  | ctctaaacaa  | gtaacacttt  | 89640 |
| gaaagatgaa  | acgtatttta  | tttattctca  | atatattgtt  | tgccgctgtc  | ttggctgctc  | 89700 |
| aggcacagcc  | gaaaattaca  | ttcgacaaga  | atgtgcagga  | gttaggatat  | gtgctttggc  | 89760 |
| gcaatccggt  | gaccattact  | tatcatttta  | ccaatacagg  | tgacaaaccg  | ctggttattt  | 89820 |
| cgaaagtaac  | ttcttcgtgc  | ggttgtacag  | aggtcgactg  | gacaaaatct  | ccgattgccg  | 89880 |
| ccggtgagaa  | aggtacggta  | acggcagtgt  | tcgacgctga  | agctatcgga  | cattttttaca | 89940 |
| aggaagtcgg  | catttactgc  | aatgcttctt  | atcgtcccat  | ttatctggag  | ttcaacgggtg | 90000 |
| aggtgacagc  | cgacgcaaag  | aactattcgt  | ttacgcatcc  | tgtagctttc  | ggagccatac  | 90060 |
| gtctggataa  | ggatgaaatc  | gaatttaatg  | atgtgaacaa  | aggagatcat  | ccggaattcg  | 90120 |
| acatcttggg  | tgccaacact  | tctaacaagg  | cttattctcc  | cgtgctgatg  | catttgcctc  | 90180 |
| catactctgag | tgcaaaggca  | gttcccgaag  | tactgggaag  | aggaaagaac  | ggtaagatta  | 90240 |
| tcgtgacact  | cgatacagaa  | aaactaccga  | aattcggcat  | taccctgaca  | tcggtatact  | 90300 |
| tgtcgcgtta  | tccgggagac  | aaggtaggca  | gtgacaatga  | aattcctgtt  | tcggccgttc  | 90360 |
| tgtacccga   | cttttccgga  | ctgaccgaac  | agcagaagaa  | caatccgccg  | caaatttcgc  | 90420 |
| tttctacaac  | gcagctggag  | ttcccgcgcg  | tgaaccgaa   | ccagaagaaa  | tcgcagaatg  | 90480 |
| tcatcatcac  | caatacggga  | aaaaacgatc  | tgggtgattca | ggatatgcag  | gtattcaaca  | 90540 |
| ttgcccttgc  | cgtcaacttg  | aagaagacgg  | tcttgaagcc  | gggcgagtct  | gccaaactga  | 90600 |
| agatcactgt  | attgggcat   | aacctttcgc  | gtgtgaaagg  | tactccgcgt  | gtactgatga  | 90660 |
| ttaccaacga  | cccgaaaaaa  | ccttcgggta  | ctatccgggt  | aaaggcaaaa  | atcaagcagc  | 90720 |
| cctgatagtt  | tctgtcgagg  | ctttattatc  | aacttaaaat  | actaagacta  | tggaacaccc  | 90780 |
| tgaaaacagc  | gaagaatata  | agggattgac  | tgttaacaag  | ggtattgagc  | aaccgcgttg  | 90840 |
| tatcaatcct  | tatttgaaat  | taaggaagaa  | gccgaaacgc  | cgtcagttta  | ccgtaagcga  | 90900 |
| gtatgtggaa  | ggtatcgtga  | aaggatgatg  | gaccatactg  | agtcaggcag  | ttacgctggt  | 90960 |
| agaaagcgtg  | aagcccagagc | atcaggcggg  | ggcgcaggag  | gtgattgaaa  | agtgtctgcc  | 91020 |
| ttattcgggc  | aattccatcc  | gcataggtat  | cagtgggtgt  | cccgggtgccg | gaaagagtac  | 91080 |
| gtcgattgat  | gtattcggcc  | tgcattgtgt  | ggaacgtggc  | ggcaagcttg  | ccgtactggc  | 91140 |
| tatcgacccc  | agtagcgaac  | gttcgaaagg  | cagcattctg  | ggtgataaga  | cccgtatgga  | 91200 |
| aaaactttcc  | gttcatccc   | attcctttat  | ccgtcccagc  | cctacggcag  | gttcgttggg  | 91260 |
| cggcgtagcc  | cgcaagaccc  | gtgaaacgat  | tatcttgtgc  | gaggcggcag  | gtttcgataa  | 91320 |
| aattttttgtc | gaaacagtgg  | gagtagggca  | gagtgaacg   | gctgtccatt  | cgatgggtgga | 91380 |
| ctttttcctg  | ttgatacagc  | ttgccgggtac | aggcgatgaa  | ctacagggtta | tcaagcgtgg  | 91440 |
| aatcatggaa  | atggctgacg  | gtattatcat  | caacaaagcc  | gacggaaaca  | acattgaaaa  | 91500 |
| ggcgaagctg  | gcagcggctc  | atttccgcaa  | tgcattgcat  | ctgtttccgg  | ctccagagtc  | 91560 |
| gggatggaca  | ccgcaggtag  | tcacgtattc  | cggtttctac  | ggcatcggtta | tcaaggaaat  | 91620 |
| ctgggacatg  | gtgtacagtt  | atatcgattt  | tgtgaagaag  | aacggatatt  | tcgattaccg  | 91680 |
| ccgcaacgaa  | caggcgaaat  | actggatgta  | tgaaccatc   | aacgagcatt  | tcgcgcgacaa | 91740 |
| cttctacaac  | aatccggcta  | ttgcttcgat  | gcttgctgct  | cagggaacggg | aagtgttgca  | 91800 |
| gggaaaggct  | acttcgtttt  | cggctgcaaa  | gaagttactc  | gatacttatt  | tccggaatat  | 91860 |
| ctgattttcac | ccagcggagg  | aactgaaaga  | tacgtcacta  | ggttccgggt  | gtttttttgta | 91920 |
| caaattttctt | ttgtttttgt  | acaaaaata   | aaaaaacgtc  | gagacgtttt  | tcatgaaaga  | 91980 |
| tgcaatcaac  | cgacaaagaa  | taataagaca  | agataggaac  | tctcttcaga  | ggcatttgaa  | 92040 |
| aaagcctccg  | aagagagttc  | ttttttacgt  | gtgctctcgg  | ttgaaaacac  | ccgatacatg  | 92100 |
| gggtgttatc  | agttaccttt  | tatcggtaaa  | atcgcttttc  | ttagaaaaaa  | acaaagaatt  | 92160 |
| attttggttta | taaaataaac  | tgctttatat  | ttgtaaagca  | aaaagaatag  | gaataaacgc  | 92220 |
| gcggattttct | atttttttgt  | aactatgggt  | tataaaataa  | actactttac  | tatcttaaaa  | 92280 |
| ttctaaggaa  | tatggaagaa  | aagaaattta  | cggaaaaaga  | aagtctggaa  | ttgattttccc | 92340 |
| aaatgattca  | ggtgacgaag  | gaaaatctgg  | agcggggtag  | cggcaatgtc  | tttctggtgt  | 92400 |
| acggatatgc  | tcgggtagta  | ctttcggtag  | tgggtgatgc  | agccgtgaat  | ctcacgggca  | 92460 |

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|-------------|------------|------------|-------------|-------------|------------|-------|
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| ttcaggctcg  | taagaaacct | tctgtagtaa | cgcacatgga  | taagatgata  | gctcatacat | 92580 |
| ggtgcatcgt  | aggatcgttg | ttcggattga | ctgttgtggt  | catgatactg  | atagggctgg | 92640 |
| tgattggttc  | gtgccattht | ggcctgatgc | tcccgttgtg  | cttgttgtat  | gccggtatag | 92700 |
| gcacttccat  | taccggtcct | attgttcggg | ttccggcctt  | ggtatattca  | cctcttgtcg | 92760 |
| cctttgtggt  | tgctgtttat | atgctgatga | tactgaccaa  | cggcggaagt  | gtggctccgg | 92820 |
| aatggaatct  | ttatttcggc | ttttctttct | tgctgatgat  | ggtgataccg  | ggacatttgt | 92880 |
| tgaataaaaa  | agctgctgct | tatgcttgct | gaactggatc  | cgttgataca  | ctcgcaactg | 92940 |
| cgcctggcaa  | ttatgtctat | cttgctctcg | gtggatgagg  | ccgattttgt  | atacctgaag | 93000 |
| gagaagacgg  | aatctactgc | tggcaatctt | agtgtacaac  | ttgacaagtt  | gagcaaggca | 93060 |
| ggatataattc | aggtggagaa | agagtttgtg | gggaagaaga  | ctcgcacatc  | gtgccggatg | 93120 |
| acggaaaacgg | gaagaaaggc | gatggaagcg | tatgtgaagg  | caactgaagac | ttatctggat | 93180 |
| ttgtaggata  | agagaaatgt | gacgaaaagg | aggaaaaagg  | aaagtttagt  | atgcaagttc | 93240 |
| aaggaaaagg  | agcaattatt | tatatctgtg | tccggtaaat  | ctatataaat  | agttgtctgt | 93300 |
| tggatttgtt  | cttgttgaga | gactacatcg | ttgaaacttg  | tggataattg  | gttgtatata | 93360 |
| attgttctat  | gagaaaatta | aatactcttg | ccaaatagcg  | ataattgatt  | gataagccga | 93420 |
| tcagtctga   | tctgtaataa | aaaggttcta | tcatcccctg  | gcgggaaaaat | gatagaacct | 93480 |
| tcttttattt  | atttctgtaa | tctgcgatta | gaaaccagcc  | aggctgacaa  | tcttgtcgac | 93540 |
| agctgcgttc  | agtccgtccg | gattcttacc | gccggcagtt  | gcaaaatgag  | gctgaccgcc | 93600 |
| accgccacc   | tgaatcagtt | tggcagcttc | gcgaaccagt  | tgtccggcat  | tcagtccggc | 93660 |
| cttaacctga  | tcgtcgctca | tggttacggg | aagcaacggc  | ttgttttcga  | atacgctacc | 93720 |
| gattacaacg  | aacaagtttt | cggggaactg | tcccttcaac  | tgggaaggcaa | tgttcttcac | 93780 |
| ggcatcagca  | ggcatcggga | gtacgctctt | gatgactttc  | acaccgttga  | tttcttttgc | 93840 |
| accttcaatc  | agcttgttct | ttacagtagc | ttctttttct  | ttcatgaatt  | cttctacctg | 93900 |
| tttcttcaag  | ccggcatttt | cttcgatgta | tttcgaaatg  | gcagctttca  | ggtcaggagc | 93960 |
| gttgttgaac  | aaagatttca | gatcgttgaa | tgtatcttgt  | acggtatcga  | acatttcttc | 94020 |
| taccttggca  | cctgtaacag | cttctatacg | gcgtacaccg  | gcagctacag  | agctttcaga | 94080 |
| aagaatcttc  | accataccaa | tctttccggg | tgccgatacg  | tgagtaccac  | cacagaattc | 94140 |
| gatagatgaa  | ccgaactgta | cgacacgtac | ttcatcgccg  | tacttttcgc  | cgaacaaggc | 94200 |
| aattgcaccc  | agttcttttg | ccttttcgat | aggcaggtta  | cggatattctg | tcaacggaat | 94260 |
| atcttcgcgg  | atcttggcat | ttaccagatg | ttctacctcg  | cgaagctgtt  | ccggagttac | 94320 |
| tttctggaag  | tgagagaagt | cgaaacgcaa | tgaatcagga  | gtaaccaaag  | aacccttctg | 94380 |
| ctctacgtga  | gttcccagta | cctgacgcaa | tgcttcgtcc  | agcaagtga   | tacaagagt  | 94440 |
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| atgttccgga  | agtttcttgg | caatgtggat | aggaagattg  | ttttctttct  | tggatcgcgt | 94560 |
| gatgtcgcgt  | gtttcgaatt | cgcttaccag | tacgccggta  | tcacctacct  | gaccaccact | 94620 |
| ttctgcgtag  | aacggagttt | cgctcagtag | aatctggtag  | agagtctggt  | tcttctgttt | 94680 |
| aatctgacgg  | taacgcagaa | tgctggtttc | gtattctgta  | tagtcgtaac  | ccacgaaatg | 94740 |
| agtttcgcct  | tcttttagtg | taaccagctc | gcctgtttct  | acggcagcag  | cgttacgtgc | 94800 |
| acgctgtttc  | tgcttctgca | tttcagcttc | gaagcctttc  | acatcggcag  | tcagaccgtt | 94860 |
| ttcacgcaaa  | atcagttcgg | tcaggtcgaa | cgggaatccg  | aaagtatcgt  | acagtgtaaa | 94920 |
| tgctgtctaca | ccgctgattt | cagtcttgcc | ggcagctttg  | gcttcagcca  | ttgtcttata | 94980 |
| gagcaggcgg  | ataccggttt | ccagtgtgcg | gaggaaatgat | tcttcttctt  | ccttcattac | 95040 |
| tttctcaatc  | aaggcctgct | gagctttcag | ttcaggataa  | gcaccacca   | tattttcgat | 95100 |
| cagtaccgga  | accagcttgt | acatgaaggc | ctgcttctgt  | ccgaggaagg  | tataagcgta | 95160 |
| gcgaacggca  | cgacgcagga | ttcggcggat | tacgtaacca  | gcctttgcat  | tcgatggcag | 95220 |
| ctgtccgtcg  | gtgatagaga | aggcgatggg | acggatgtgg  | tcggctacca  | cacgcatagc | 95280 |
| tacgtctact  | ttttcgtctt | caccatactt | cttgcccgcac | aaatcgccga  | tagccttgat | 95340 |

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|-------------|------------|------------|------------|-------------|------------|-------|
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| acgttcgaat  | cccataccgg | tatcgattac | ttttgctgga | agtggttcca  | gtgttccgtc | 95460 |
| agccttgccg  | ttgtactgca | tgaacaccag | gttccagatt | tcgataacct  | gcggatgata | 95520 |
| tttggttaacc | agttcacgtc | ccggaacagc | agccttttct | tctgccgaac  | gcgagtcgat | 95580 |
| gtggatttca  | gaacacgggc | cgcaaggacc | tgtatcaccc | atttcccaga  | agttatcgtg | 95640 |
| cttggtgccg  | ttgatgatat | gatcttcggg | gaaatactga | gccagtatc   | cggcagcttc | 95700 |
| atcgtcgcgg  | gcaagtcctt | cctcagggtc | tccttcgaat | acggttacat  | acaaatcttt | 95760 |
| cggatcgagt  | ttcaatacct | ttaccagata | ttcgtatgcc | catccgataa  | cttcttttct | 95820 |
| gaagtagtcg  | ccgaaagacc | agttaccag  | catttcgaac | atggtatgat  | ggtatgtatc | 95880 |
| gtgacctact  | tcttctaggt | cgttatgttt | tccactcaca | cgcaagcact  | tctgtgagtc | 95940 |
| ggttacacgt  | ttgtatttct | caggatgatt | gcccagaata | atatctttta  | actggttcat | 96000 |
| acctgcattg  | gtgaacatca | atgtcgggtc | gtctttgatg | accatcgggtg | ctgaaggcac | 96060 |
| gatctgatgt  | cctttcgact | caaagaattt | tacaaatgag | tcgcggattt  | cgtttgctgt | 96120 |
| caacataatg  | cttataatgt | cttgtagtta | atattctcaa | aattgatttg  | caaagataat | 96180 |
| cggttttatt  | atttttgtcc | gtatgtttga | tgcaaaaact | tgatgtgttg  | cgtcttaaat | 96240 |
| tttttcaaaa  | caagatttga | atgcggaaag | tctattatat | atataatccg  | aaaacgcgta | 96300 |
| catacgaccg  | tatttatccc | actatgcgcc | agcgggcat  | gagctacctg  | aggcgtttgt | 96360 |
| ttgtggggat  | gggattgggt | gccggatgct | ttatcatctt | gttgcttata  | ttcggttctc | 96420 |
| cttcggaaaa  | ggatcttcgt | gtggaaaatt | cgcgtttgct | ttcacagtat  | catattttgt | 96480 |
| ctacccgtct  | ggatgaggcg | cttgacgtaa | tgacagcgt  | tcagcagcgt  | gacgacaacc | 96540 |
| tttatcgggt  | gatcatgcag | gcagatcccg | tagcggatgc | tttgcgttct  | gccagttatg | 96600 |
| gcaagacgaa  | tcgttacgag | gacctgatgg | atatggcaaa | tgcaaagttg  | gttgtgaata | 96660 |
| ctactcagaa  | gatggacttg | ctttcacgcc | agatatatat | gcagtcgaaa  | tcgtttgatg | 96720 |
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| cggtgaaacta | ttatttcatg | gatctggatg | cggatgatta | tgacaagatg  | attcagattg | 97200 |
| ccgccaatca  | cggtaaggta | tttgattaat | gttgtagata | aaaaagaaca  | aatcatggct | 97260 |
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| gatgtcaacg  | aatcgctttt | acgctatttg | gagaaagagt | ttcctatgat  | tgctcccaag | 97380 |
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| aataaggagg  | gggttcgcga | tacggctgaa | atcattgacc | gcttgcgctg  | tatcagagaa | 97560 |
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| cctaacccta  | tccagctgaa | tctgaatgaa | atattgtttc | cgattggtac  | aaacgaatgc | 97740 |
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| atcggctatc  | gtatcttcga | aattttcaat | acgagttact | ttcttttatct | gttctatctt | 97920 |
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| ctgtgaaatg  | atgtgtgtca | cctgatttaa | tactccgata | ccgtcaattc  | ctttgatata | 98100 |
| gacgttgaca  | gggaagttca | gtgccttgcc | cgtttcccat | tccacggcga  | gcaaccgggt | 98160 |
| accgaagctg  | gtcttcagtt | gggctgctat | cggacactgg | cgtttggtgaa | tgacaatacg | 98220 |

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| gttcagggtg  | gcctgttctg | tctgtctctc  | ttcctgtttg  | ttttgtttgt  | ttcctccgaa  | 98400  |
| agcaaagctg  | atatactttt | tccagttggg  | tggcgacggc  | ttttccttca  | gttcgttttt  | 98460  |
| gtcggcttcg  | cccagcgtga | aaactccctg  | accgatgttc  | tgagtcagtt  | cgtcgtaatt  | 98520  |
| ctttacatga  | tgcaggttgc | agagcttttt  | gatattctca  | tcgctggcag  | gcagattctc  | 98580  |
| ctgattaaag  | aaatcggtaa | gcatgtcttc  | gcctttctgc  | tgcattctct  | tcttttcacg  | 98640  |
| cttcaggata  | gccagtattt | tagctttggc  | tttggcggta  | gtagcaaaat  | taatccacga  | 98700  |
| aggctgtacc  | ttctgcgact | tggatgtaag  | gatctctacc  | tgatcaccgc  | tttgcagttt  | 98760  |
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| aaaatcgagc  | gcatccggct | gagggtcgtc  | cagaatttcc  | ttaatgggtt  | tcagccattt  | 99000  |
| actcagttcg  | ccttcattct | cactgcctcc  | tccttcttta  | tatttccagt  | gagcggcaaa  | 99060  |
| tcctgttcg   | gcgacgtcgt | tcatacgttc  | gcttcttata  | tgtacttcaa  | tccattgtcc  | 99120  |
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| gaagcaatca  | ttcagttcct | ccttcctcatt | tcgtggagta  | aagatgatac  | gtacggcaag  | 99300  |
| aatatcataa  | atctcttcga | acgtgatatg  | cttggctctgc | atcttggtcc  | agatggaata  | 99360  |
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| atagtccgta  | tcttctacca | cgtcgtgcag  | taaagccgaa  | cagatggaag  | tcgatcccaa  | 99900  |
| gcctattttct | acgcacgcaa | tgcgtgctac  | ggcaatagga  | tgcagtatat  | agggttcacc  | 99960  |
| cgaacgacgt  | cggacacctt | tatgtgcttg  | cttggcaaaa  | ttaaaagctt  | tcgtgattat  | 100020 |
| ttctactttt  | ttgcggtgct | tgctttccag  | gtatcgatct  | aaaagttctt  | gaaaggcatc  | 100080 |
| atttatctgc  | ttttcatcgg | tttgctcttg  | tgtaaagttta | tcattccgtca | ttatatccct  | 100140 |
| cccttaatat  | aattgcaaaa | ataaagaaaa  | taaagaattt  | tacaagtaga  | atcaagtttt  | 100200 |
| ttcttagggg  | cttgtttgaa | aagttaagcc  | tgaaaacaaa  | aaaagctctc  | ggctagtctt  | 100260 |
| tgtggataac  | cgagagcttt | ttatgagatt  | atgggtgtaa  | aatatgaggt  | ttatcggata  | 100320 |
| cgtaatgatc  | gtccggcgcg | aatgctgctg  | ccttttattc  | cgttcaaccg  | gcgtaactgt  | 100380 |
| gctacgctta  | cgccgtattt | ggctgcgatg  | cctcccagag  | tttcaccggt  | tctgattttg  | 100440 |
| tggtagacgg  | cttttcccga | tttggcagac  | gatttaacgg  | cggcaacttc  | tactttactg  | 100500 |
| cgccgagtct  | ggtagacttc | cggtttgtaa  | ttgtatatgc  | tgtcttcggt  | atcgataaag  | 100560 |
| cagctcatca  | ttttgttgga | gagacgtaaa  | gcataaggct  | tttcatttcc  | gggaatgatg  | 100620 |
| tcttttttaa  | attccggatt | cagtgcacga  | agttcgtcaa  | tattcgtatt  | gcatactgcg  | 100680 |
| gcaatctgct  | gaagattcaa | cggacgcgat  | atgtgaatgg  | tatcagttcc  | ttccggcatt  | 100740 |
| ttcattttcca | gtgggctgat | attgtgttca  | caatagtagc  | tcataatgta  | gtttgcagcg  | 100800 |
| ataaatgccg  | gtacgtatcc | tctggtttct  | ttgggaagat  | aattgtacag  | tttccagaaa  | 100860 |
| tccttttctc  | catcggcacg | gcggatggct  | ttgtttattg  | taccgggacc  | gcaattatag  | 100920 |
| gcagcaagta  | ccagattcca | gtcgtgataa  | atgtcgtata  | agtctttcag  | atagcgtgcg  | 100980 |
| gcagcgcgag  | tcgacttgat | cgggtcacgg  | cgttcgtcta  | tcaggctggg  | tacttgacgg  | 101040 |
| ccatagattt  | taccggttgc | cagcatgaac  | tgccataagc  | ccacagctcc  | ctgacgagaa  | 101100 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| gtggccatcg  | gattcagggc | cgattcgatg  | acaggaagat  | acttcagctc  | cagcggaagg  | 101160 |
| tcgtacaaat  | cgagtgttc  | ttcgaatata  | ggcatgtaaa  | aattgttggc  | actcagcatg  | 101220 |
| aatgcaacct  | tctgacgtaa | gcgggtagca  | tacatgtcga  | taaattttcg  | taccacttcg  | 101280 |
| ttgtacggca  | tttcgatgat | agccggaata  | cgttgcaacc  | ggtcgatata  | gatagagtcg  | 101340 |
| ctgacttctg  | gattagcgga | agttgcggta  | cagttttctc  | ccaaattgat  | atagtttttc  | 101400 |
| gaaatccagt  | ccagatacag | actgtctgtt  | tcggaagca   | taccttcggg  | caagtcgaaa  | 101460 |
| ctctcttcta  | cgccagagct | tgaacggaca  | acaatgctct  | gttccgtttt  | ttgggcaaag  | 101520 |
| agattcgaaa  | agctaaggaa | ggcaagtatg  | ccaatacata  | gtttcttcat  | attttaaaat  | 101580 |
| ttaatactgc  | attgcaagcc | tattccttgt  | ggcagcttgc  | ggtatgcata  | gttaaataat  | 101640 |
| gtaggttcca  | gtgtcattcc | cagatcgttc  | gatataatcg  | agttcgacag  | ttcggcatct  | 101700 |
| acatacgcgt  | cgatgaccga | caacagatat  | actgcgataa  | aagagattat  | acttaaatct  | 101760 |
| cgctgacggc  | ggaagacatc | ctttcgcttg  | cggaatagtt  | cctgataata  | atccaacctg  | 101820 |
| ttttgcacat  | ccttcttggt | atatccggcc  | ggcaggaagt  | tcatatagct  | atcattattc  | 101880 |
| ggattatcgc  | tcatgatata | ctgatatgcc  | tgtgtgtaat  | ccttatacat  | tttactgttc  | 101940 |
| cagggtcaaa  | cataggtaca | tcctgcgaaa  | cctccataaa  | tgattggcag  | tttccagtac  | 102000 |
| ttccggttgt  | atatctgacc | tgcaccgggt  | atggcaagtg  | acagccagat  | agagttgttc  | 102060 |
| ggtataggaa  | gccacttctt | cttttccttg  | atggcctgag  | gttttcggct  | ttgcagcgag  | 102120 |
| tcactctgcc  | gcatgagcat | ggcagtatcc  | accggagctt  | ccagttcttc  | gatgcgctgc  | 102180 |
| tggcgtatat  | tcagcgtatc | gagtaaggca  | agactgtcgg  | ctacgttttg  | cgcacgtatc  | 102240 |
| gagtcggcgg  | tcagtatgcc | tttccgggtg  | ttgagtgcac  | gttgtgcata  | tccctctgta  | 102300 |
| cttctcccc   | ataccagaca | gaaaagcagt  | acgatataata | ctatataatgt | aaacggtcgt  | 102360 |
| tgtctcaaga  | cttgttcttt | ttattctttt  | ggtttcaatg  | agtccagtat  | ctccatgatt  | 102420 |
| ctttccagat  | cggcttcggt | gttgaagggg  | atactgattt  | taccttttcc  | tttgttgctg  | 102480 |
| cacgacagct  | gtaccttggt | accgaagaat  | gtacacagat  | gattctgcaa  | catggtatat  | 102540 |
| tcttcggaca  | gtttggcgcc | tttgggagct  | attttcttgc  | ctcccgatcc  | cacgctttca  | 102600 |
| cccgcggaca  | atgcctttac | tatttcttct  | accttgcgta  | cggaataccc  | ttgcgcaatg  | 102660 |
| atttcgttga  | aaatacgtat | ctgtgtcttc  | gggtcgtcca  | gcgcaagcaa  | ggcacgtgca  | 102720 |
| tgccccatgt  | ctatttcttt | attcttcagt  | gcaacctgta  | ttgtagcagg  | aagtttgagc  | 102780 |
| agtcgcaggt  | agttggcgat | ggtagtacgc  | tttttcccca  | cccgttcgct  | caggcggttc  | 102840 |
| tgagtcagtt  | cgtattgttc | gataagatgc  | tgataggcga  | gtgcgatctc  | cagcgagttc  | 102900 |
| aagtcttcac  | gctgaatgtt | ctctatcagc  | gccatttcca  | tcatgttctc  | atcgctcgga  | 102960 |
| gtacggatat  | aagcagggat | ggtactcagt  | cctgccagaa  | tggaggcacg  | gtaacgtcgt  | 103020 |
| tctcctgcta  | taatctgata | tgaatcctca  | ttcagcttgc  | gtaaggtaat  | aggttgatatg | 103080 |
| atgccgattt  | cagctattga | gtcggcaagt  | tcttgagggg  | caatcgatc   | aaattcccgt  | 103140 |
| cgcggctggt  | tcgggttgac | ggatatcttg  | ctcagttcca  | cttcgttgat  | agaagaagag  | 103200 |
| cccgaagtct  | ttacctcgtc | attggtagaa  | atcagcgcgt  | caagtccctc  | gcccagtgca  | 103260 |
| aattttttct  | gtacggccat | attcgtttat  | tctttcagct  | tttatgcttc  | tttgttcttg  | 103320 |
| tttataaatt  | cgtttgccag | agccaggtga  | ttcttggcac  | ccgtagaatc  | tgcatacgta  | 103380 |
| aagatggcag  | gtattccgtg | actgggagct  | tcaactcagct | tgacgtttcg  | ctggataatg  | 103440 |
| gttttgaaaca | ccagttcctg | aaaatgacgc  | ttaacctcgt  | cgtatatctg  | gttggccaga  | 103500 |
| cgcagacgtg  | agtcgaacat | cgtgagcagg  | aatccttcta  | tttccagcga  | aggatttagt  | 103560 |
| tttgtcttga  | ttatcttgat | ggtgttcagc  | agtttactga  | taccttccag  | tgcaaagtac  | 103620 |
| tcgcattgta  | ccggaatgat | gaccgagtcg  | gcagccgtca  | gggcattgat  | ggtaatcagt  | 103680 |
| cccagcgacg  | gtgaacagtc | tatcaggata  | taatcgtatt  | catttttcat  | cggctccaag  | 103740 |
| gcctttttca  | taatcttctc | acggttttcc  | aggttcagca  | tttcaatttc  | tgctcccacg  | 103800 |
| aggtcgatgt  | gagaaggaat | aatgtctaata | ccgtcaatat  | cggttgtgta  | aatagcttcc  | 103860 |
| ctgatgtctg  | tctggttgat | aaggcattcg  | taaatagaac  | agtcaatgtc  | ctttaaatca  | 103920 |
| acccccagac  | cggatgaagc | atttgcctgc  | ggatcagcgt  | cgactaccag  | cacttttctc  | 103980 |



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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| tcgagagtgg  | ctaagtatgc | agccaggtta  | atggttgtcg  | tagtcttacc  | cacgccacct  | 104040 |
| ttttggttgg  | ctaaagcaat | aatttttccc  | atattaatca  | gtttactgat  | tgcgaagtaa  | 104100 |
| caaataatcg  | tcgaaagtat | gtatcagcaa  | atgtctgcat  | ttcttgaaaa  | tgttgataac  | 104160 |
| tcacggcctt  | tgtaataaac | ttcggcgagg  | caaagatacg  | caattctgtg  | taattatgtg  | 104220 |
| ccgtggttgg  | agaagattaa | tatttgttgt  | aactttacgg  | gcaattatta  | ataatgaaat  | 104280 |
| atatgacaaa  | cgaagacct  | cttttattac  | tatcgaacga  | tgatggcgtg  | aatgccaaag  | 104340 |
| gaatacagaga | attagtaggg | gcattgcgcc  | cggttgccga  | cctgatagtc  | gtagccccc   | 104400 |
| acgggcccgc  | ttcaggttca | tcgggagcca  | ttacttccga  | acatcctctc  | cgttgtgcaa  | 104460 |
| aggtagccca  | ggagcccggg | ctgaccgtct  | acaagtgttc  | gggaagccct  | gtcgattgtg  | 104520 |
| taaaactggc  | tttgcattgt | ttggtgcccc  | gcaagcccga  | tatggtgata  | ggaggtatca  | 104580 |
| atcacggcga  | caattcgtcg | gtaaatgtgc  | attattccgg  | tacgatgggt  | gtggtgatag  | 104640 |
| aaggctgctt  | gaaggggatt | ccttcggtag  | gattctcatt  | gtgcaaccat  | agtgcggatg  | 104700 |
| cgaatttctc  | ggtcacgctg | ccttatgtac  | gccgcacgt   | ggaggaagtg  | cttgccaagg  | 104760 |
| gactccccga  | aggtaatgtg | ctgaatgtga  | atttccccga  | tacggatgaa  | ctgaaaggtg  | 104820 |
| tgcgtatctg  | ccggcagacc | gacggagtgt  | ggataaacga  | gtttgtcaag  | gccgaacatc  | 104880 |
| cgcgtggcgg  | ttgctactac | tggctaacgg  | gagaatacaa  | gaacaacgag  | cccgatgccg  | 104940 |
| aggataccga  | ccactgggct | ttggaacatg  | attatgtggc  | aattacgccc  | acgcagattg  | 105000 |
| acgttacggc  | gtattcgctg | atggatgatt  | tgaacattg   | gaactggaac  | gtatgaagta  | 105060 |
| ttatctgata  | gtaggagagg | cgtcgggcga  | cttgcatgca  | tcgaacctga  | tgcgtgcctt  | 105120 |
| gcagcacgaa  | gatccgcagg | cagaatttcg  | cttcttcgga  | ggcgatttga  | tgaaggcggt  | 105180 |
| ggcggttact  | tgcgtaaagc | attaccgcga  | actggcgtat  | atgggtttca  | ttcccgtgct  | 105240 |
| gcttcaactg  | cgaaccattt | tccgtaacat  | ggatttttgc  | aagaaggatg  | tcgaagcgtg  | 105300 |
| gcagccggat  | gtcttgattt | tggtcgatta  | tccggggttt  | aacctgaaga  | tagccgaata  | 105360 |
| catcaagcgg  | cacacgcaga | tacctgtcta  | ctattatatt  | tcgccgaaga  | tctgggcgtg  | 105420 |
| gaaggagtac  | cgcatcaaga | atattaaacg  | cgatgtcgat  | gagttgtttt  | ctatcctgcc  | 105480 |
| tttcgaggtc  | gatttcttca | agaagcatca  | gtatccgata  | cattatgtgg  | gcaatccgtg  | 105540 |
| tgtggatgcg  | gtggatgatt | ttcgcaggaa  | aggacaggaa  | actttcagtg  | aattttgtcac | 105600 |
| agccaacggg  | ctggaaggta | agccgatcat  | cgctttgctg  | gcaggaagtc  | gccggcagga  | 105660 |
| aatcaaagat  | aatctgacgc | gcatgattga  | ggcggcacgt  | agtttccgcg  | aatatcagtt  | 105720 |
| tgtggtggcg  | ggagctccc  | gcattgagcc  | cgatttttac  | aagcgatata  | tcggcggcag  | 105780 |
| tacgaaaatc  | gtatttgga  | agacgtaccg  | tttgttgca   | caggctgagg  | cggcactggt  | 105840 |
| tacttcggga  | acggctacgc | tcgaaacggc  | tttgttccgt  | gtgcctcagg  | tggatgcta   | 105900 |
| ctacatatcg  | gcaggcaaac | tggtttcttt  | ccttcgcaga  | catatcctga  | aagtgaagta  | 105960 |
| tatttcgctg  | gtaaacctga | tagccgatcg  | ggaggtgggt  | acggagctgg  | tggccgacgg  | 106020 |
| tatgacggtt  | tctaataata | aaaaggagtt  | ggctaagatt  | atatcgggcg  | gaaacggacg  | 106080 |
| ctcgcacatg  | ctttcggagt | acgatcggct  | gatttggtatt | ttgggagagc  | cgggtgcgtc  | 106140 |
| ggaacgtgcg  | gcggctcaga | ttacggcttt  | actgaaggca  | cgccggaagg  | gttgagatgg  | 106200 |
| cttttttatg  | attcgtctgc | gagtgttcgt  | gcgaacgtgg  | gcgagtttct  | gaaaaaacgt  | 106260 |
| cgtgaccttt  | tctgaaaatt | tgtacaaatt  | ctcagatttt  | ttgtacaaat  | cttaaaaaca  | 106320 |
| atatgccctt  | cctttctttc | acttgtcatt  | acattctgaa  | tcaattgttt  | gcaggcttga  | 106380 |
| cagccttttc  | agaatgggtg | aaagaaagga  | agggccttcc  | tgttttttta  | gcagtaatca  | 106440 |
| gtcctactac  | atacaagtat | accactgctg  | ccggaacggc  | catgaggggtg | ctgtcgaagc  | 106500 |
| ggtcgagcat  | acctccgtgt | ccgggttagga | tattaccgga  | atccttgatg  | ccgagtgtac  | 106560 |
| gtttcatcag  | cgattcggtc | aagtcgcccc  | acgttccgaa  | taccacaact  | gtcagtccca  | 106620 |
| atccgatcca  | gatgccggta | ctcaggaatg  | taaagaagtg  | tgccagcacg  | atggcagcga  | 106680 |
| tgatgctgaa  | tacggcacct | ccgatagagc  | cttcccacga  | cttcttgga   | gaaatacgtt  | 106740 |
| cgaacaatct  | gtgctttccg | aacagcatgc  | cggtacagta  | agccccgta   | tcgtttaccc  | 106800 |
| agttgaagat  | gaaaatagac | aaaggtaata  | tcggattgta  | ttgtgaaata  | ctttctactg  | 106860 |

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|             |             |            |            |             |             |        |
|-------------|-------------|------------|------------|-------------|-------------|--------|
| cggtactgtg  | gtaagccagt  | acgttgagca | aggcgaatga | tagagcaatg  | tatatctggc  | 106920 |
| tcacatggc   | gtatgccag   | ttgttgagt  | gattaggctg | tttcttgtag  | aactcgctga  | 106980 |
| tgaacagata  | aagtatcaga  | aacaggtaag | gaatgaaaat | ttcattcgct  | cccggacta   | 107040 |
| ctccgatgta  | tccgaaacag  | agaaacagga | acagacctgc | cagaatggag  | ataggtttgt  | 107100 |
| tcatacgtgt  | gttttctctt  | cggttgacaa | tggtgccgaa | ctcattgatt  | gtaagtgcac  | 107160 |
| tgatcagcgc  | aaacaaaatg  | gtgaatgaaa | tagggcctcc | cagaatgcag  | cctaccaata  | 107220 |
| cggtacgaa   | tatcactcct  | gttatggctc | gttgaagaaa | attgcttttc  | acggcagtaa  | 107280 |
| gggatttaat  | gtttgttatt  | aaaatgcttt | gtcactcag  | gcagaccatg  | caggctcggct | 107340 |
| gaatgacaaa  | agcttagttt  | ctgttatgat | aatgatgttc | tcaggcttgt  | ttctcttcat  | 107400 |
| tggaaacagt  | tgtaccttcg  | ctttgtgtag | cctccggctc | tttgttttcc  | ggttcggatg  | 107460 |
| aagggttcgtc | tgccttcttt  | tctgattccg | gtagcgcttt | cttttcgctg  | gccatgattt  | 107520 |
| cttccgaacg  | ggaagccac   | ggacgttttc | cgaatatctt | ttctacatct  | tcagcaaaga  | 107580 |
| ttacttcacg  | ctctatcagc  | agttccgcca | gttggttatg | accttcctta  | tgttccagca  | 107640 |
| gcaatgcctt  | tgcacgtgca  | tattgttcat | tgatcatttt | ctgcacttcc  | tgatcaatca  | 107700 |
| gttcggcagt  | atgttcaactg | taaggcttgt | tgaacgtata | ttcatcggtg  | ctgtagtagc  | 107760 |
| acagggttagg | caacttgtcg  | ctcatacctg | cgtatgctat | catgccgtaa  | gcctgttttg  | 107820 |
| ttactcgttc  | caggctcgttc | atggcaccgg | ttgagatgtg | tccgatgaaa  | acttcttcgg  | 107880 |
| cagcacgacc  | acctaagggtt | gcacacattt | catccagcat | ctgctcctta  | gtcgtaatct  | 107940 |
| gacgttcttc  | aggcagatac  | catgctgctc | ccagtgcacg | tcctcgcgga  | acgattgtga  | 108000 |
| ccttgatcag  | cggattggca  | tgttccagga | accatgaaat | ggtagcatgt  | cctgcttcat  | 108060 |
| gcagagcaat  | ggcacgtttt  | tcggctgctg | tcattacctt | tgttttcttt  | tccagaccgc  | 108120 |
| cgacgatacg  | gtcgatagct  | gctaagaaat | catcttttcc | cacagatgtc  | ttcgaatgac  | 108180 |
| gtgccgcaat  | caaggctgct  | tcattacata | cattggcaat | atcagcaccg  | ctgaatcccg  | 108240 |
| gagtcgtacg  | tgccaacaga  | tcaacgtcta | ccgtattatc | cagtttcaac  | gggaggagat  | 108300 |
| gtactccgaa  | aacctcctta  | cgttcgttca | agtcgggcag | atcgacataa  | atctgacggt  | 108360 |
| cgaatcgctc  | ggcacgcagc  | aaggccttat | ccagaatata | tacacgggtc  | gtagctgcca  | 108420 |
| gtatgatgac  | tccactgttc  | gaaccgaatc | catccatttc | tgtaagcaac  | tggttttagcg | 108480 |
| tattttcacg  | ttcgctggtta | cctcccattg | tggggttctt | tccacgggca  | cggcccaccg  | 108540 |
| catcaatttc  | atcaataaag  | atgatacaag | gagccttttc | ctttgcctga  | cgggaagggt  | 108600 |
| cgcgtacacg  | tgaagctccc  | actcccacaa | acatttccac | gaaatcgga   | cctgaaatag  | 108660 |
| agaagaatgg  | tacatcagct  | tcgccggcga | ctgctttggc | aagcaagggtc | ttaccgggtc  | 108720 |
| ccggaggggc  | taccagcaat  | gcacctttag | gaattttacc | tcccagttcc  | gtgtattttt  | 108780 |
| gcggttggtt  | cagaaattct  | acaatttctt | ctacctcttg | tttggcagca  | gcctgaccag  | 108840 |
| ctacatcctt  | aaacgtaagt  | cggttggctc | ctttttcaaa | caattgagcc  | ttgcttttac  | 108900 |
| ctacgttgaa  | aacatttccg  | gcaccgcccg | gacctccacc | tccgctcata  | cggcgcatga  | 108960 |
| tgaacatcca  | tatacctatt  | aataacagga | aaggagctac | attccagaat  | atcatactaa  | 109020 |
| agtagttcgt  | atgcttttctg | taactgatgg | aacctgtaaa | atgtccggtg  | tcttggttctt | 109080 |
| cgtcaagaaa  | tttatcaagc  | gactccatcg | atcctatctg | tacattgacc  | gaagggttct  | 109140 |
| tgcttacttt  | gcttgcatct  | tttccgaaca | catcgacaat | gtgctcaggc  | ttgataaaca  | 109200 |
| tatccacagt  | attgtcatcg  | taagcaatga | ttttatttgc | gtaaccttta  | cttaccatat  | 109260 |
| ccttgaattc  | ggtataggtt  | atttccttgc | ttgcacttcc | gtcttccactg | gaaaagtaaa  | 109320 |
| ggaacccgaa  | aacaagagca  | ataatcacgt | acagccagct | caagcttgga  | cgcggtacgt  | 109380 |
| tgatcttggg  | tttattgttg  | ttgtttaaat | tttcgctcat | acacgtttac  | atataaaaatt | 109440 |
| aatcaatgtc  | gggtagagaa  | gtcagcttgg | catcagccca | caaagtctcc  | aagttataga  | 109500 |
| aatctcttac  | ttccggtaaa  | aatacatgaa | ccagcacgtc | tccgtaatcc  | atggctaccc  | 109560 |
| attgtgcatt  | acgtacaccg  | tccattccat | atactttgtt | gccggtttct  | ttccgaacgt  | 109620 |
| attcttttac  | tgaatctacg  | attgccagaa | cctggctagg | tgagtttccc  | tgacagataa  | 109680 |
| cgaagtattt  | gcagattgta  | tcttctatat | tggttaagtc | agctataacg  | atcttctttc  | 109740 |

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|             |             |            |             |             |            |        |
|-------------|-------------|------------|-------------|-------------|------------|--------|
| cttttttttc  | ttgaatgcct  | tctgtaat   | tctttactaa  | gttctttgtt  | tcgtccatta | 109800 |
| ttattgtttt  | ctgtttttat  | tttagtattt | actatttaaat | aatgtagcaa  | atatacttgc | 109860 |
| ttttctgtat  | atcacgaagg  | aatgaagcct | aattctcttt  | ttcttttgta  | tttttttgaa | 109920 |
| aaaaaagcgc  | gaaactattg  | ctatattagg | aaaaagtagt  | acctttgcag  | cgtcaaaaac | 109980 |
| gaaatgattg  | acaaaatact  | tgatattggg | ctatgggtgta | atggtaacac  | aacagattct | 110040 |
| ggctctgttt  | ttcttggttc  | gaatccgagt | agcccaacat  | ctttaataag  | cggaagtctt | 110100 |
| cgcggagaag  | ataccgtaaa  | cataagtttg | ggctatgggtg | taatggtaac  | acaacagatt | 110160 |
| ctggctctgt  | ttttcttggt  | tcgaatccga | gtagcccaac  | agttattgaa  | agcattctag | 110220 |
| gtttacccta  | ggatgctttt  | ttattttgtc | tgagtctttt  | tgcgaactta  | gccggaaagg | 110280 |
| ttttctagta  | aaattgaaga  | aatcaaaact | taatagatac  | ggtgtgaagt  | tccattaagc | 110340 |
| ttgaagtaga  | aagggtataat | cggctcaccc | gattatgaat  | ggagttgcgc  | ataaagtttc | 110400 |
| accagcttaa  | agaaaaggaa  | cttgatagta | atcacttatc  | taagttgtcc  | tctgactgaa | 110460 |
| ttgagttttg  | tattgaaaga  | ttgataaatc | ttttaaatcg  | aaaaaaggga  | caaaggatta | 110520 |
| ttaaaaaccc  | ttcgtccctt  | aattatggat | gatgtgttga  | attttcttaa  | taaactgtac | 110580 |
| ggagtatatt  | atcgtgtata  | ctgaccgtac | attgccattg  | cacttgctgt  | caagttcttt | 110640 |
| ttaatagctt  | tgaatagatt  | ttttacttgt | ttcataatgt  | tatcctttcc  | ttgtttttgt | 110700 |
| gttataaatt  | caagtctttt  | tgtttcgtcg | ctctcttttt  | aggagagttg  | tttttagtta | 110760 |
| gtgttagtct  | tgttttatgt  | tttacaacac | aaaattacac  | gtttttgttt  | atccattatg | 110820 |
| catttttgca  | agaaaaaacg  | ggcaatggcc | tcttttcttg  | atttagggtca | aagaaaagat | 110880 |
| tttaggggat  | gagcaacgat  | gaatctccat | agctcaggaa  | acgaaaatcg  | tgcgatagt  | 110940 |
| catagtcgta  | aatgttgccg  | cagtcacctt | tcacaaaagc  | tgaacaagt   | agcagtaacg | 111000 |
| tactttgctg  | ttgatgaaag  | ttcgtaacca | tgcgtttgac  | tattttgtac  | tcatatccc  | 111060 |
| gagcaatgat  | gatttgtgta  | ctggatgaa  | gcgcacgcag  | cccgtgacgg  | ttcatgtaat | 111120 |
| ctaaaatgca  | ttgcaaagcc  | tctgtcgtgc | taagagtggg  | attcgattca  | taaggttgcc | 111180 |
| actgctttac  | gtgcagatct  | tcctgactgg | catccggatt  | ctggctgatt  | gttacaccta | 111240 |
| tataatatag  | actttccagt  | gtgcgtacgg | aagtgggtacc | tactgctaca  | gcttctccat | 111300 |
| ggtgtgcaat  | cagtttttcg  | atggtagtct | tggtgactga  | gatatactcg  | gtatgcattt | 111360 |
| cgtgtccctc  | tatctcttca  | ctcttgaccg | gtttaaacgt  | tccggctcct  | acgtgaagag | 111420 |
| taacttcctc  | caagtcgaca  | cctttatctt | tcagtgcaga  | caatactcgt  | tcggtgaagt | 111480 |
| gtaatccggc  | tgtaggagcg  | gccaccgaac | cttttatatt  | ggagtaaacc  | gtctgatatg | 111540 |
| tttccttgct  | gctttcctgc  | gtttcgcggt | taagataagg  | aggaataggt  | agttcaccaa | 111600 |
| acacttcgag  | gatgtcggca  | aaagtaactt | ccggtattatc | ccatgtaaag  | tctacccaat | 111660 |
| gacttggtcc  | atgacaggca  | ccacgtgag  | ctgtcagcgt  | gattgttttg  | ccttttaccg | 111720 |
| tcatttcctt  | atgcagcgca  | ccttctttcc | atcttcttcag | gttaccgatc  | atgcataacc | 111780 |
| atgctgagt   | actggctctgc | tgaaaattca | atgcgtaatc  | attcggctgg  | ataggttcca | 111840 |
| ggcagaagat  | ttcaatcagt  | gcacctgttt | ccttgcgga   | gtgcagacga  | gcctgaatca | 111900 |
| ctttgggtgt  | attgaatatc  | atcaacatgc | ccggttccag  | ataatcgggc  | agagaagtga | 111960 |
| agattgtttc  | actgattttt  | ccatgtttgt | atacagacag  | tttcgactgg  | tcgcgtaccg | 112020 |
| gaagcggaaa  | ttttgcgata  | cgctcatcag | gcaacgggta  | attataatcg  | ctgattttta | 112080 |
| tgtgcttagt  | ttctgtcata  | gcgttgagta | gtatgattta  | cgtgggtgca  | aaattacaga | 112140 |
| atcttctcgg  | gtatcagcgt  | atagctctc  | gaaaatttgc  | tctttgtcgg  | ctctggcttg | 112200 |
| agaaactgaa  | aagtaaattt  | gtgcagatgg | ataggtcgtc  | tggaaagtga  | ggagtcagga | 112260 |
| aaccagtaag  | agaaaaacgt  | tctgtttaga | ggataatttt  | tttgccagca  | gtgaatttgc | 112320 |
| tgctctttag  | gcaaccggat  | tgcattcttt | gttttcggaa  | taaaaccatt  | atctttgcac | 112380 |
| tacgtatttt  | tgtgaggaat  | tttgaatgaa | ggtaaagggt  | ctttacttaa  | agtatgcaac | 112440 |
| tgaagttctt  | ttttaaatag  | agcagtttta | ttataaataa  | aaaggaggat  | aaaacgatga | 112500 |
| aaataggaga  | taaagtccgt  | ttcctcagtg | aagtgggagg  | cggatcctg   | agaggatttc | 112560 |
| aaggaaaaaga | cgtagcattg  | gtagaagggt | acgatggctt  | cgagattccg  | atgctgataa | 112620 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| aagagtgtgt  | cgttattcag  | accgatgatt | acaatattcc  | ccttaaactcg | gccaaaaagc  | 112680 |
| ctgaagctcc  | gcaaccggaa  | gaggaagtgg | aagaagaaaa  | gccgattacg  | taccgtgctc  | 112740 |
| cagaaatacg  | tggaacgat   | gtgttgaacg | tatatctggc  | ttacgtgcct  | caggatgtaa  | 112800 |
| aggcaatttc  | ctcgacagct  | ttcgatgctt | atctggtaaa  | cgacagcaat  | tatttcacgc  | 112860 |
| attacctcta  | tttgtcggcc  | gaaggcaaaa | gctggacatt  | gcgtagtcgc  | ggtaccatca  | 112920 |
| agccgaacat  | gaaaatgcat  | ctggaagaat | tcgataaaag  | tgcgttgaac  | agtatggagc  | 112980 |
| atgtggcagt  | acaactgctg  | gcttacaagg | acgaccgtac  | atcttctgtt  | aagaatgcgg  | 113040 |
| tcaatacggg  | agtgcgcatt  | gataccgtaa | aattctataa  | actgcatacc  | ttccagcaga  | 113100 |
| ccgatttctt  | tgcagaaccg  | gcgttgggtg | acgacattgt  | gcgcgatgat  | gaagaagtga  | 113160 |
| agcagggtata | tgtttcggcc  | aacgacatca | aggaagcctt  | gttgacagaaa | agtgcgtccg  | 113220 |
| acgctccggc  | aaagtgtcag  | aagaaacagc | ataaggtaaa  | aaatgacatc  | gtggaagtgc  | 113280 |
| acttgcacat  | ccacgagttg  | ctggacgata | cgaccggtat  | gggaaatgcc  | gaaatgctga  | 113340 |
| attatcagct  | tgatgtattc  | cgtaagacac | tgaagaata   | caagaataag  | aaaggacaaa  | 113400 |
| agatcgtctt  | tatccatggc  | aaaggcgatg | gtgtgttgcg  | ccgtgccatt  | ctggatgagc  | 113460 |
| tgaacgcaa   | gtataagaat  | tatcccagcc | aagatgcttc  | tttccgtgaa  | tatgggtttg  | 113520 |
| gagctactat  | ggtgaccatc  | cgataaaaag | gaatacttcc  | ctcactacct  | ttcctgttac  | 113580 |
| gtttttcggg  | acaaatgccg  | gagattgtca | gaaaagggaag | tgagggattt  | ttttgtctcg  | 113640 |
| ccgaaatcct  | tctgtctttt  | gtacaaatct | ttttgtttt   | tgtacaaaaa  | ataaaaaaac  | 113700 |
| atcgagacat  | ttttagagaa  | agggcgatc  | gcttcgacag  | aaatctctgt  | atgtatctga  | 113760 |
| taatagctgc  | cgtgcataaa  | ttttcattta | tgtgtactaa  | tttccatttc  | ttcccttttg  | 113820 |
| ccgaatccct  | atctttgttc  | caacaaatct | aaatcaggta  | tttggttatg  | aaaaaacaca  | 113880 |
| tttttcgtca  | tgctataatg  | gctttgggta | tttgttcggt  | tttaaataata | caggcgcaag  | 113940 |
| cccctcaccc  | cgaacggatt  | tatttgtcgg | gtacagggtat | tgacaataacc | cgtacatggc  | 114000 |
| aattcttctg  | taccaagggt  | ctaaattctg | gtaaattggaa | acccatcgaa  | gtaccttggt  | 114060 |
| gctgggagtt  | gcagggcttt  | ggtgaatata | cttatgggag  | ctattatatg  | gtgaaagggg  | 114120 |
| caaaacccaa  | cgatgaaatc  | ggtatctatc | gttattactt  | tcagactccc  | aagtgtgaaga | 114180 |
| aaaacgatcg  | tgtaagttg   | tttttcgacg | gggtcatgac  | cgatgcagaa  | gtgctgatca  | 114240 |
| atggaaaacc  | tgccgggaaat | attcatcaag | gggcttttta  | ccgtttttct  | tacgatatta  | 114300 |
| cttactgtt   | aaatacagaa  | gggaaaaatc | aacttgaagt  | gaaagttgcc  | aaacagtcgg  | 114360 |
| ctaacaaatc  | ggtaaattgcg | gcagaacgtc | gtgcggattg  | gtgggtgttt  | ggaggaattt  | 114420 |
| atcgctccgg  | atggctggaa  | gttgttcctg | aagtttcgat  | ggaacatttt  | gtgattgatg  | 114480 |
| cccgtgccga  | tggacatttc  | cgcgcttcgg | tgcgtacgag  | tggtgattca  | gaaggctatt  | 114540 |
| ttttgtctat  | atcgggtacaa | ggattaaaag | atggcaagtt  | tctgaaaact  | gatgaaggaa  | 114600 |
| aggaagaaat  | gacctgtcga  | ataagttgtg | caggaaaaga  | aacgaatgtc  | gaaacctggt  | 114660 |
| ggcacgatgt  | gaaggtatgg  | aatacggagt | cgcccgaact  | ctatcgagta  | cgtttgatat  | 114720 |
| tgaagagacc  | tgaagggaaa  | atagttcagg | aacgtgaggt  | gagaacggga  | tttcggacca  | 114780 |
| tcgagttttt  | tccgcaagac  | ggactttatc | tgaacggaac  | acggctgggtg | gtgaaaggta  | 114840 |
| ttaaccgtca  | ctcttttctca | gtagatggtg | ggcggacaac  | gagtgctgca  | atgagcctgc  | 114900 |
| aagacgcttt  | gcttatcaag  | gaaatgaata | tgaatgctgt  | acgttcccat  | tatccgcccg  | 114960 |
| atgaacattt  | tctcgatatg  | tgcgattctc | tcggattggt  | ttatattgat  | gagcttgccg  | 115020 |
| gatggcatgg  | gtgttatgat  | acggaaactg | gtgcacggct  | ggtaaaggaa  | atggtggaac  | 115080 |
| gtgatgtaaa  | tcatccgtct  | gtcattttgt | ggagtaatgg  | gaatgaaggt  | ggatggaata  | 115140 |
| cggcgaacga  | tgttcttttt  | actgattacg | ataagtatca  | gcaacgtcat  | gtcatccatc  | 115200 |
| cgtgggccga  | tttcaacgga  | cttgatacgc | atcactatcc  | agcttatctt  | acgggggtgg  | 115260 |
| cacgatttac  | caatgggtat  | gaagtgttta | tgcttacaga  | atcttatgcat | gcaatgtacg  | 115320 |
| atcagggcgg  | aggagctgga  | ctacgcgatt | tttgggacag  | gtggatgacc  | aatcctatgt  | 115380 |
| ttgccggagg  | ctttatctgg  | gcatttagtg | atgaggctcc  | caagcgttcc  | gaccggggag  | 115440 |
| gaatgctcga  | ttccgacggt  | tcgaatgctc | ccgatggagt  | agttggtccg  | aggagggaaa  | 115500 |

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|             |             |             |            |            |             |        |
|-------------|-------------|-------------|------------|------------|-------------|--------|
| aagaaggtag  | cttttatgct  | atcaggtcac  | aatggtcgcc | tgtgcagata | aaacctttgc  | 115560 |
| ttattacgga  | tcatttcgac  | ggaagtttct  | tcgttacaaa | cgaatatact | tataccaatt  | 115620 |
| tgaaagattg  | tcgaatgact  | tataaagtac  | ttgcatgtga | tactcctatg | cagggggcgc  | 115680 |
| attcacgtgt  | gcttgccagc  | ggagaggttg  | tactttcttc | tatagctcct | ggagaaacag  | 115740 |
| gaaaggcaca  | tttttctctg  | cctgcttctt  | ttcgtgaggg | agatatactg | aagttggaag  | 115800 |
| cattcgataa  | agaaaaacga  | agtatctgtg  | aatggactta | ccctatccat | ctggcaagtc  | 115860 |
| aatattttga  | tagccattta  | tctcatactt  | gtcggtcggc | atcttctggc | ccggtatcag  | 115920 |
| tctgcaatga  | tggcaaacag  | ataatcttga  | aaagcgataa | ggttagcatt | acctttgatg  | 115980 |
| ctggtacggg  | aatgattgcc  | cgtatacttt  | cggatggaca | agaagttccc | tttacggacg  | 116040 |
| gtccggtggc  | ggtaggcattg | aaaatgattt  | atcagccagc | cgagagctat | gtacgtcagg  | 116100 |
| attcagacgg  | ggctgtgttt  | tgtgctcatt  | ataaggggtg | agccgattcg | atagtgtggc  | 116160 |
| gacttactcc  | tcaggggctg  | ctctatatgg  | atgctgtact | gttgaaccgt | gccttgggag  | 116220 |
| gaggtggttt  | tgatgatgct  | tttatggata  | cggaggttta | taatcttggg | attacgtttt  | 116280 |
| cttatccgga  | gcaaaattgc  | aagggcatga  | agtggatggg | aagaggacct | tatcgtgtct  | 116340 |
| ggaaaaatcg  | aatagcaggt  | accaactaca  | atatttggca | taaggaatac | aataatacca  | 116400 |
| taactgggga  | aagctatgac  | aatctggtgt  | atcccgaatt | taaaggttat | catgccaatg  | 116460 |
| tatactgggc  | tactttagaa  | agtgatgagg  | tctcctttac | gatttactcg | cgtacagatg  | 116520 |
| gaatctttta  | ccgtatcttt  | acacctctgg  | agccaaaata | tagtgccaaa | aagacaatgc  | 116580 |
| ctgattttcc  | tgaaggagat  | atttcttttt  | tgcttgatat | accagccatt | tggtcgttta  | 116640 |
| agcctattga  | acaacagggg  | ccaaatagtc  | agcctggtaa | tattcgcata | aagaaagggtg | 116700 |
| ataaaggctt  | acagttgaac  | ttgatgttcg  | atttcagaaa | aaccttctga | gcttatctta  | 116760 |
| ttataggtac  | aaaactcttc  | ctttttaacg  | agataagtta | ataataatgt | gtacctttgc  | 116820 |
| gggctgaaat  | cagaacatgc  | ttatgcaaca  | agacaataaa | cctattatcg | aagtaaaaaa  | 116880 |
| cgtgtcgaaa  | ttctttggtg  | aaaagacggc  | actcgaccat | attaacttgt | ctatccgcaa  | 116940 |
| gggggaattc  | gtgacgattc  | tcggtccttc  | gggatgtgga | aagacaacgt | tgctgcgact  | 117000 |
| cattgcggga  | ttccagactg  | cctcggaagg  | ggagttgtat | atcgatggga | cagaaattac  | 117060 |
| ccagactcct  | cctcatcgtc  | gtccggtgaa  | tacggtgttt | cagaaatatg | cgctgttccc  | 117120 |
| tcacctgaat  | gtatatgata  | acattgcttt  | cggactgaaa | ctgaagaaaa | tgccgaaggc  | 117180 |
| agagatggag  | aaaaagggtga | agggtggcatt | gaagatggtg | ggcatgaccg | actatgaata  | 117240 |
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| tgtaaacgag  | ccggaagtgt  | tggtgctcga  | cgaaccgctg | gcagcactcg | acctgaaaat  | 117360 |
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| tctggtacgt  | ttctgcggac  | gggagtttga  | atgtgtggat | aagggttttg | gcgaaaatgc  | 117660 |
| tcctgtcgat  | gtggtaatcc  | gtccggaaga  | cttgtatat  | ttccccgtgt | ccgatgcggc  | 117720 |
| acagcttcgt  | ggtgtggtgc  | agtcgtgcat  | cttcaagggg | gtacattacg | agatggcagt  | 117780 |
| ggctgtaggc  | gattatgaat  | ttctggtaca  | agactatcat | gctttcgaag | caggttcgga  | 117840 |
| agttggtctg  | ctcatcaagc  | cgatggacat  | acatatcatg | cagaaagagc | ggatatgcaa  | 117900 |
| tacgttcgaa  | gcatcgatga  | tagacgaaac  | acacgtggaa | ttcctcgggt | gcgagttcga  | 117960 |
| atgtccgcgg  | gtggatatga  | gtgactcgtc  | acgcgactgg | aagcatgtga | agggtggaagt | 118020 |
| tgatttcgac  | aagggtgatct | tgcaggataa  | tgaagaagac | ggaatgctta | ccggagaggt  | 118080 |
| gaagttcatt  | ctttacaagg  | gaaaccatta  | tcatctcacg | gttttgtccg | actgggacga  | 118140 |
| aaatgttttt  | gtcgatacca  | acgatgtgtg  | ggacgacggc | gaccgcgtgg | gtattaccat  | 118200 |
| tcctgctgag  | gctattcgtg  | taatttggtta | atataaggat | aatgaagaaa | ttgcaacatt  | 118260 |
| ttttctcttc  | gcgcaagagt  | tgggttttgc  | cttatctcat | tttttcggtc | atatttggtta | 118320 |
| tcatcccgcgt | gttgttgatt  | gtggtatatg  | cgtttaccga | cgacatggga | catcttacgt  | 118380 |

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|             |             |            |            |             |             |        |
|-------------|-------------|------------|------------|-------------|-------------|--------|
| tggccaattt  | cagcaagttt  | tttgctcatt | cggagtcggt | caatactttt  | gtctatttcta | 118440 |
| ttggtatcgc  | cattcttacc  | acgctgggat | gtatcttgct | gggatatccg  | gtggcatgga  | 118500 |
| ttctgaacaa  | ctgcaagaat  | ctgagttatt | cgcgcacgct | gatcatgctg  | ttcatccttc  | 118560 |
| cgatgtgggt  | aaacattctg  | gtgctgacgc | tcgctacggt | tgccttggtc  | gacttttgct  | 118620 |
| ggttgccgct  | gggcgaagga  | gcgcttattt | tcggtatgat | atacaatttc  | attcccttta  | 118680 |
| tgatttatcc  | tatttacaat  | acgttgacga | aaatggacag | aagttacatc  | gaggcggcac  | 118740 |
| aggatttggg  | agccaattct  | ttccaagtat | tctggaaagt | gatttttcct  | ttgtccatgc  | 118800 |
| cgggggtagt  | aagtggcatc  | atgatggtat | tcatgcctac | catttcgacc  | tttgccatag  | 118860 |
| ccgaactgct  | gacaatgaac  | aacatcaagc | tctttggaac | aaccatacag  | gagaatataa  | 118920 |
| acaacagctt  | gtggaactac  | ggagcggcgc | tttcgctcat | catgttggtc  | ttgattgccg  | 118980 |
| ccacttcctt  | gttcgctccc  | gagaataagg | acgagtcgga | gaaaggagga  | ggcgtatggt  | 119040 |
| aagaagaatc  | atcgagcaga  | catatttggt | ggtgttgctg | atattgcttt  | acgcacctat  | 119100 |
| tctgattatt  | gtggtttatt  | cgtttaccga | ggcgaaagtg | ctgggcaact  | ggaccggctt  | 119160 |
| ttcattcaag  | ctgtacgagt  | cattgatgaa | taccggtgca | catcattcac  | tgatgaacgc  | 119220 |
| ctgcatcaat  | acccttgcca  | ttgccctgat | tgcagctacg | gtttctacct  | tgctggggag  | 119280 |
| cattgctgcc  | atcggtatct  | tcaatttgcg | tgcgcgcagc | cggaaagctg  | tagggtttat  | 119340 |
| caatacgatt  | cctatcctga  | acggtgatat | cataaccggt | atttcgttgt  | tcctgctttt  | 119400 |
| cgtttcgctg  | ggtattacac  | aaggatttac | gaccgttggt | ctggctcaca  | ttacgttctg  | 119460 |
| tacgccctac  | gtggtgctga  | gtgtgcttcc | tcgcttgaaa | caaataaatc  | cgaacctgta  | 119520 |
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| tgagatacgt  | ccgggtatga  | tcagcggttt | tctgctggca | ctgactatct  | cgttcgacga  | 119640 |
| ttttgccgta  | accgtgttta  | ccatcgaaa  | ccagggtatt | gaaacacttt  | ctacttatat  | 119700 |
| ctatgccgat  | gcccgaaggg  | gaggattgac | gccggagctt | cgtccgctgt  | ccgccctgac  | 119760 |
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| aagttatcgt  | atgcctgtgg  | gcttgtctgg | ctatgacggg | ctgctataat  | gccgacgaat  | 119940 |
| cgcgtcagaa  | tatactgaaa  | gtatacaact | gggccgacta | tatcgagaga  | ggggtgctgg  | 120000 |
| aagattttca  | gcaatattac  | aaggaacaga | ccggagagga | tatacgatc   | gtgtatcaga  | 120060 |
| ccttcgatat  | caatgaaatc  | atgcttacca | agattgaaaa | ggggcatgag  | gatttcgatg  | 120120 |
| tggtatgtcc  | ttcggaatac  | atcattgaac | gtatgttgca | taagggactg  | ttgctgccta  | 120180 |
| tcgatacggg  | attcgacat   | tcaccaact  | acatgaaagg | aatttctccc  | tatatccgcc  | 120240 |
| gccagataga  | taaactgggt  | accacggaga | atccggccag | ccggtatgct  | gcatgctata  | 120300 |
| tgtggggaac  | tgccggattg  | ctgtacaata | cgagtatgt  | aactgctcag  | gatatggaaa  | 120360 |
| catggggctg  | tctgtggaac  | aaacgctttg | cgggacgtat | tctgatgaag  | gacgcttacc  | 120420 |
| gggatgctta  | cggtagcggt  | atgctgtatg | cttatcgcaa | gcaacttgca  | gatggtacga  | 120480 |
| tttctgttcc  | cgaactgatg  | aacgattatt | ctcctgccgc | catggatacg  | gtagaaaagt  | 120540 |
| acctgaagct  | gttgaaaccg  | aatgtggcgg | gctgggaagc | cgacttcgga  | aaggagatga  | 120600 |
| tgaccaaggg  | gaaggcgtgg  | ataaacatga | cttgagcggt | tgacgcacag  | tgggcaattg  | 120660 |
| aagaagccga  | gcgggtaggt  | gtacatttgg | cttactccat | tccaaaggaa  | ggaagtaata  | 120720 |
| tctggtacga  | cggatgggtg  | attcccaagt | atgccaaaga | cgtgaaggcg  | gcaagttatt  | 120780 |
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| cggtaggatgc | cagctatttc  | ttcggaccgg | aaggcgga   | tgtaaaattg  | cgcaatacac  | 120960 |
| aatatccgga  | tatctccatc  | gtcaaccgtt | gctccatgat | acgcgatttt  | ggcgacaaga  | 121020 |
| cggtaaaccgt | gctcgagata  | tggtcgcgta | tcaagggtga | taacctgaac  | agcggcattg  | 121080 |
| ttattctgat  | tctcgtagtg  | gtagccgggc | tgagtatctg | gcagatacgt  | cggcgtgtac  | 121140 |
| tggtttacaa  | gcgcccgtcg  | aaacagcacc | gcaagcgtcg | tcgcaggtga  | ttatccctaa  | 121200 |
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|-------------|------------|-------------|------------|-------------|-------------|--------|
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| gcgatattcg  | tgtcaatgcc | cgctttctga  | cagaccgtat | ggctttcgaa  | ctgaacttga  | 121440 |
| atcagagcca  | gtacaatgat | ttgtttgaaa  | taaacttcga | ttttctgagt  | ggagtagatc  | 121500 |
| cttatctgac  | agggatggct | tgtgccgatg  | ctgccgctct | tgatgcgtat  | taccgatatt  | 121560 |
| tggatgaaa   | aaacgatgac | ctgcgctggg  | tactttccag | ctctgcttat  | gcacgattct  | 121620 |
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| tgtacaaggt  | atatcccaat | aggaatttct  | tctatttctg | acgtccggta  | cattacttga  | 121740 |
| catatcgcg   | agctcacagc | cgacggtttt  | accggaacac | gggctttttac | cgtacgcatt  | 121800 |
| atgccggtcg  | ctatcagcac | tccgtatata  | gaggaaactt | ccatagccgt  | ccggagttca  | 121860 |
| gaaagcacga  | cttcatagct | cctcgtcccg  | ccaagaatcc | gggataccat  | tttactccgg  | 121920 |
| ttggctcctt  | gaaaccggga | gctccggcac  | accgtcccga | agctcgtccg  | ccttatcgtc  | 121980 |
| ccggaagtag  | tgtacggcct | acgccc aaac | ccgctcctaa | acccgagaag  | cgtccgtcta  | 122040 |
| gagtcgacaa  | caagcgaccg | gttcaaccgg  | gaaatagtcg | tccggcacgt  | ccgggtttct  | 122100 |
| tccgtcctgc  | cgataaggct | ccgaacagg   | tgacacgtcc | ttctaaatca  | gaacataagg  | 122160 |
| ttaaccgtcg  | tccggtacgc | ccgaatggaa  | aggaaagagg | aaagcagggt  | aagcaaacaa  | 122220 |
| aagaaaaatc  | tttcttgcac | aagatgtaag  | taaagcgtaa | ttttgcggca  | aatatcaatg  | 122280 |
| agatattatg  | aaaagccgag | tacttaaacc  | aattgccgca | ggagtaatat  | tggttgtgct  | 122340 |
| tgtggcagga  | acaggactct | tcttatgtag  | gggagccctg | ttgcggcatg  | ttgccgggaa  | 122400 |
| gaaactggaa  | atgctgggac | agaattacgg  | attacagatt | gcttatcgcg  | aactgactat  | 122460 |
| gccttctctt  | tctactgtcc | gtctggaagg  | actgactgtt | gttctctgaag | atcgggatac  | 122520 |
| gttgctgaac  | ctcaacaaag | tggaggtcga  | cctcagtcct | ctttcgttgt  | tgggaggaaa  | 122580 |
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| aatttcgaat  | tatgactttc | tgtttcgtca  | gaaggacgga | gagaaggacg  | attcggatac  | 122700 |
| ggaaacgaat  | gctttgggtg | gatacgaatg  | acgggtaaa  | cagacacttc  | atctgatttt  | 122760 |
| ccggatgctg  | cccgagaacg | gagagttgca  | taacttgaag | gtgacggcac  | gccgtgattc  | 122820 |
| cttgcaaaact | cgctttctga | ttcccgaact  | tattcttacg | aacagccagt  | ttgcttccgc  | 122880 |
| cattcaggta  | gaagaaggcg | ctatgcagcg  | tgaatggaag | gtcagaggta  | cgctggcacg  | 122940 |
| cagcatgcgt  | ctgatagaag | gcagcatagc  | ttctgccgat | gaggatgaga  | aagtaatgct  | 123000 |
| tccatatata  | cgtcctcatt | acaatgcgac  | ggtggaattc | gattctattg  | ctttcaaatt  | 123060 |
| gtcggagttg  | tcttcggctt | ctgcaccgct  | gacactggaa | ggcatggctt  | ctgtcgacgg  | 123120 |
| actggaagtg  | tatcatgcag | cactttctcc  | cgataccatc | gatctggatc  | agggaagact  | 123180 |
| ggagtatacc  | tgatcatgtg | gcgacaacta  | tttcgagctg | gacagtgcgt  | ctaccgtgat  | 123240 |
| attcaaccgc  | ctgaattttc | atccttacct  | gcgggctgag | aaagaccgta  | agtggcatta  | 123300 |
| tacggcaagc  | atccatcgtc | ctgcgtttcc  | ggcagaggac | ttgtttgctt  | cgttgccgaa  | 123360 |
| aggtttgttc  | cgccatgtac | aaggcattcg  | tacgtcgggc | aagctgagct  | atgatttgtt  | 123420 |
| gctcgatgtg  | aatttcaatc | atctggatag  | tctgaaattt | tcttccgacc  | tgcgtgggca  | 123480 |
| tggattccgt  | atcgaaagtt | tgggaggaag  | cgagctcacc | aagatgaacg  | gtgagtttga  | 123540 |
| atataccgca  | tacgaaaacg | accggcccgt  | aagaacattc | ttcattgggtc | cgtcgaatcc  | 123600 |
| caatttccgt  | ccgctcgacc | gcatttctcc  | tctgcttcag | atggcgatta  | tgcaatcgga  | 123660 |
| ggacggcggg  | ttctattatc | atcagggtct  | tctgccggga | gccattcagg  | aagctttggc  | 123720 |
| ttacgatctg  | gaggtaggac | gttttgccgc  | cgggggaagt | accatcacca  | tgcagctggt  | 123780 |
| gaagaatgtc  | tttctgaacc | gtcataagaa  | cattgcccgc | aaactggagg  | aggcactcat  | 123840 |
| cgtctggctg  | atagagaatc | agcaccttac  | ctcgaaagag | cgcagtgtacg | aagtctacct  | 123900 |
| gaacctcgtg  | gagtggggac | ctttggttta  | cggagcatgc | gaagcctctc  | atttttactt  | 123960 |
| cgacaaggag  | ccctccgacc | tgacggtgga  | agaagctatt | tttctggctt  | ccattgtacc  | 124020 |
| gaagcccaa   | catttccgtt | cgggtgtcaa  | tgccgatgct | accctgcgtg  | agaatcagga  | 124080 |
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|-------------|------------|------------|-------------|------------|-------------|--------|
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| tcccgcacagt | atctggtgat | gtatctcgtc | ttacaggatc  | agttcatagt | cgtctacatc  | 124260 |
| aagccatcgt  | ccgaacttca | tgcccacttc | cttgaaagaa  | gaaacttgtc | tgaatcctaa  | 124320 |
| ggatgcgtgg  | aaatggcagc | tggcgggtgt | ctcgcgtgga  | atacaagcta | tcagggcgatg | 124380 |
| aacgccgcga  | cgtctgcact | cgtctgtgag | tcgttgcatg  | agttctctgc | cgatgccttt  | 124440 |
| tcctgtaaat  | gcgggtgaaa | ggtatacggg | ggtttccagt  | gtgcggttgt | aggcctcctt  | 124500 |
| ttctttccac  | gcatgtgcat | agcaatacc  | ttctactatt  | ccgtcttctt | cgtatacgaa  | 124560 |
| ataaggatat  | cgttgagaga | tttcggatat | ccgctgttgc  | atttcctgtg | cagtcagagg  | 124620 |
| attcatatcg  | aaagtaatcg | tactgtgtgc | aatgtattcg  | ttgtagattg | ccacaatatc  | 124680 |
| aggggcatct  | tgtagcgta  | ccggtcttat | cataatatgt  | gtattttgat | gtctgaacac  | 124740 |
| aaaaatacat  | aattcatacg | agaacttacg | gagttttgaa  | ggctttcttg | aaggaacaag  | 124800 |
| cagaacgttg  | cttgatTTTT | tgtacgaaaa | aaatTTTTTT  | ttgtacaaat | tttcagaaaa  | 124860 |
| tgtcaggacg  | tttttagaaa | gacttcggga | taaaataaaa  | gacatatccg | gataaagtta  | 124920 |
| tcagccgttc  | atctcttact | tgtcaagatg | ataactctgt  | ccggatatgt | ctttctgtgt  | 124980 |
| cgtacttaaa  | ttgccgatgt | ggtatcttta | ttcggaaata  | cggatactta | ttttctttta  | 125040 |
| agcattttacg | tcggaagttc | caccatagag | cagttcataa  | ttgccgttta | ccagacgcat  | 125100 |
| ggtatttcgtg | ccggtatcga | accactggaa | gttttcgtcg  | ttaagtgtaa | agttaacggt  | 125160 |
| gacggtttct  | cctttgggaa | cagatacgcg | cttgaaaggca | cggagagtgt | gtgagggcgc  | 125220 |
| ttccttgctg  | tccgggcgac | tcaggtatac | ttgtacaacc  | tcttcaccgt | ctgtttctcc  | 125280 |
| ggtgttgctt  | acgggaacgg | taagggtgac | ttccttgcc   | ttgctcatgg | tattgctgct  | 125340 |
| taaagaggcc  | gttccatatt | caaactgtgt | atagcttaat  | ccatgtccga | agcaatatag  | 125400 |
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| aagctggtcg  | gtatgcttgt | agaaagtaac | aggcaacttg  | cccgaaggat | tgtattcacc  | 125520 |
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| ttccagtga   | ggcgagatac | ctcctgcgaa | cacgattaca  | tcggcaggct | ttaccttgct  | 125820 |
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| gatgctgcat  | tgtccgaaaa | cactttccag | actgctgtcg  | ttggtgcggg | cacacccag   | 126300 |
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| gattaaggcg  | atggtcatat | cttttttcag | cggcaacacg  | tgattgcggg | tttgcaacag  | 126480 |
| aacaatactc  | ttgcgtgcaa | tctccagtcg | cagatcttta  | tgttccttgc | tgtctactac  | 126540 |
| cgagtagggg  | atagagtccc | agcatacatg | ttcgtccatt  | tcgcctaatt | caaagcgggc  | 126600 |
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| agcttgaggc  | agcgatttgt | aattgtctcc | acattccaga  | tcggtaccgt | tcagtacggc  | 126720 |
| tcccgcactg  | gctgtctgct | ggtcgggata | agtttcgtga  | gcacctttgt | gccagaaatc  | 126780 |
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| catcacttcc  | ttgacatttg | cttcttctac | cagcgccttg  | aatgccggca | ggtaggtttc  | 126960 |
| ccacaagtcg  | cgtggagcaa | tattttcggc | attgaagctg  | tggcggttcc | attccgggtcc | 127020 |



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| ataagtttcc  | tgacctcttc  | cccagcgggg | atcgcggaaa | atattgatgt  | tcggagttcca | 127200 |
| gaaagtcagt  | ccctgatacc  | gttggagatt | acccgatttc | ttgaattccg  | tgtatttggc  | 127260 |
| gcgagcttcg  | tcggacacgg  | ccgtaaagac | tttatatacc | agattgtcat  | cgaacgacgc  | 127320 |
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| ttgcatgagt  | gcggcttttt  | cttccagtgt | aagtcgtccc | agtagatcgg  | atgctctttg  | 127500 |
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| caagaacatt  | cccaacccca  | tgagtgtgct | aagttttctg | ttcatgtctt  | aatagtatta  | 127620 |
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| aaactcttct  | gtgatgttgt  | ctggtttagc | cggataatcg | gaattaatgc  | tgtattttat  | 127860 |
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| ggatcaacgg  | ctatcgcctt  | gcgaccacct | ttaagggtgt | ccctgatgat  | ggcttcattg  | 128880 |
| aaggaaaacc  | agtcaaagcc  | gtcgttctca | aaattgttgc | ggatgtctct  | ttccgagaaa  | 128940 |
| catccatacc  | gtcccatttg  | taggaaattg | atgcggtcag | gtatagccat  | gaataatttc  | 129000 |
| attgcatcca  | tgaatacttt  | ctgaaaagat | ttgcttatat | ttacagctga  | ttcgagagcg  | 129060 |
| tttctgcact  | cggattggta  | ttgcataagg | agtgattctt | tagtcataat  | taaaagtggg  | 129120 |
| gaagtacttc  | taatttacta  | aaaatcagtg | aattatgaaa | tactttttct  | gttgattttc  | 129180 |
| agctgttttag | catatctttt  | tcattccctt | tcttactcct | tgacgattta  | ttcttgacag  | 129240 |
| tatttcaatg  | atctcttgaa  | tataattttg | aaccggatta | tgccgattct  | atgttttaatt | 129300 |
| ttaatttatc  | ggtaaaaaatt | taccgaagta | ttgttatatg | atattttatg  | tgaataaaag  | 129360 |
| ggatagatgt  | tgctgaatat  | gatgaaacgg | aacgatgctg | tttatacatt  | tcccgtaaaa  | 129420 |
| aagaaaaacc  | gcttcgacag  | atccttgtat | tccactattc | agtgtttcag  | gattttatcg  | 129480 |
| aagcagtttt  | aagaatgatt  | tatacactat | aaccgatgtc | tggcttatag  | ggtaggggta  | 129540 |
| ctttttcaat  | gttattaagt  | aagtgacttt | atttcggcag | atacttggtc  | cagtccgggtg | 129600 |
| tctgtttgat  | accaaaccgg  | gcattgattt | catcgcttgg | tacaggggaag | cagaactgtg  | 129660 |
| caatatcgaa  | gttggtatat  | ttgtacgaaa | cctgggtctt | gacgttggca  | tatacatcag  | 129720 |
| ccttttcacc  | ccagcggcgc  | aagtcgtaga | agcggaaacc | ttcctggaac  | aattcgcggg  | 129780 |
| cgcgttcggt  | cttcaggaat  | acgaatactt | cttcttttgt | attgcctaaa  | tcgttggtac  | 129840 |
| tggtaatctt  | cgaatttctc  | ttggcgacag | tcagcagcgc | ttccttggca  | ccgttcaggt  | 129900 |

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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
| cgggctgtgc  | ggcacgcagt | ttcgattcgg | cgatgatcag | ttccatttca  | ggagcattga  | 129960 |
| cgacgtagtt  | ggttgcgtat | gatgcatttc | ctcctccgaa | ccagaattta  | cctccgtggt  | 130020 |
| gtaactgggt  | atatgagcct | ttcttgatgg | taggaagata | aagagaacct  | ctacagtcag  | 130080 |
| tgtctgctat  | caggctgcgc | atgcgctggc | tgggcagacc | tccgtaggta  | gtccatacat  | 130140 |
| ttccgcaagc  | attggcagac | cagttgttgt | ttacatcgat | ggccagacgg  | aagatacttt  | 130200 |
| ccgaattgct  | gtctccgctt | gtatacagtt | tctttagatc | gtctatagta  | tacgctacaa  | 130260 |
| ctttctttcc  | tgagtgtctg | agtgcattcg | atgcatattt | ctcggcgctt  | ctgaagtctt  | 130320 |
| ccagatacaa  | gtaagtacgc | gccagcaggc | cttcgatggc | tgccacagac  | agatactggt  | 130380 |
| tggtagctct  | tccctcggtt | ttgctttctt | tgtagcagtt | aagagcattg  | ttaaagtcac  | 130440 |
| ccagtatggc  | ttttagtagc | tgtcctacgg | tagaacggct | gacatcctca  | aaggctttta  | 130500 |
| ccggttcgtc  | gacaatcact | acaccgatgg | catcactggt | gtctgtcgtt  | ccgtttacct  | 130560 |
| taatctgttt  | accaaataca | tttgtcatag | acagcatggc | atatcctctc  | aatccgtagg  | 130620 |
| cttctgccat  | atattgtttc | aatgcagctt | tgtcggcatc | gggagtagtt  | gcttccagtt  | 130680 |
| cctttcctgc  | cttgatgata | cgtgaagcat | tgtctactac | cttgatatcca | tattgccaga  | 130740 |
| tgccactcaa  | gtaggggtcg | tcgggggtta | tgtataatg  | gttgatggtc  | atccagtggg  | 130800 |
| tggcagagcc  | gttcaggtaa | gccatgtcac | cggccatgtc | accgatggta  | agcgaatagt  | 130860 |
| ttccggcaaa  | atagaatgcy | aacagttgat | agtaagttcc | gttcagggca  | tatttcagggt | 130920 |
| tgtctacgct  | tgtcagtcgg | ttgtcaacgt | ctattccttc | gttgatttcc  | gtatcgaaga  | 130980 |
| aactgttgca  | ggaggcaaag | cttccggcca | gggccgaaca | gataagcagg  | cgagtataaa  | 131040 |
| acttcttcat  | atattgttct | tgtttgattc | gttaaacata | tttattttaa  | acccgagggt  | 131100 |
| aattccggca  | aggaatgttc | gtgtagatgg | atactggaat | gaaatcaatc  | cgcttgtgta  | 131160 |
| tgtttccgga  | tcgtaaccaa | cgaaatcctt | tgttttgaat | gtgtagatat  | tgtctaccga  | 131220 |
| tacatagatg  | cgcatgttgt | ctatcaacgc | tttcttcaag | agttgttttag | gcagtgtata  | 131280 |
| tcccagttgc  | aggttcttta | cgcgaggaa  | gtttccgctg | tacaggaacc  | gtgaagaatg  | 131340 |
| gttgttttct  | ccggaagtgt | ttccgtatac | atatttcgga | acattgggtg  | aacggttggt  | 131400 |
| ttcagtcctat | gcattttcat | acagataagt | tgtaggagtg | acgtttccct  | gacttcccgc  | 131460 |
| agcgttgaag  | aagcggttcg | aaacggcata | gacttttctt | cccagtcggt  | aattgaagtc  | 131520 |
| ggccgagaag  | tcgaagtctt | tccattgtac | gcgtgtaccg | aaaccaccat  | aggccttagg  | 131580 |
| gtcggctgaa  | ccgaggtaac | gtttggcaca | ctcgttccag | ttggttgtgg  | tttcgtcgcc  | 131640 |
| tgtttcattt  | ttataccata | acggatttcc | ggtatttggt | tctacacctg  | catattctac  | 131700 |
| catatagaat  | tgtcttaaa  | gatagccttc | ctgttggtat | gtataggtag  | cttcaatcgg  | 131760 |
| ttttcctcca  | gaaagtctcg | taacacgggt | ttggttgagt | gtaacgttgg  | cgaatgcagt  | 131820 |
| ccatgtccat  | cccttggttt | gcaggatggg | accgttcaga | ccgatttcaa  | cacctctggt  | 131880 |
| tctcatagaa  | ccgatgttct | ggtatacttt | actcaaaccg | gtaacctgag  | agataggcag  | 131940 |
| ctcaaacagc  | atgttggaag | ttgcctcggt | gtagaggctt | atggtcagggt | tccatcttct  | 132000 |
| ggcaagtgtg  | agatcgattc | ctatgttcag | cttcttgctg | gtttcccatc  | ccaggctcggg | 132060 |
| aagattcaac  | gatacgggaa | cgataccggg | tgtgctgtca | taattgtatc  | cggcgctgta  | 132120 |
| gaaaccacgg  | gccgcatacc | agtcaatatc | ctgattacct | accgttccgt  | agcttgcacg  | 132180 |
| cagtgccagg  | ttggtcaaga | ggtcattgtc | tttcaggaat | tcttcttcag  | aaatacgcca  | 132240 |
| tttgccgcct  | acggaccaga | agttaccca  | gcggttggtg | ctaccgaata  | cggacgaacc  | 132300 |
| gtcacgacgg  | aaacttacct | gtccgtaata | cttgccctga | tagtcgtagc  | ttacattcat  | 132360 |
| gaagaaagaa  | gccagacgtg | cctgacgggt | aacgtacgac | ggattgccgt  | aagaagaacc  | 132420 |
| agccatattc  | agttcccggg | atcctttcag | cgggaagtgt | attccggcat  | acgattcatt  | 132480 |
| ccagtagttc  | ttccactgtg | cttcctgtcc | aagcatgatg | ttcagggttat | gcttttcggt  | 132540 |
| gaaagtatgc  | atccagttca | aggtattggg | ccaggtaatg | gtggtgggtat | tcgaattgta  | 132600 |
| ttgcatacca  | cgtccgttgt | cgctggctcc | ctgattgttg | taccagctcc  | agaaatcgta  | 132660 |
| ctggcggtgtg | ccgtacgagt | tgatacctaa | tgaggttttc | agaataaaac  | cttttccaaa  | 132720 |
| gtcgtaggca  | aaatacgggt | tcaggttaat | ggtggtgtgc | ttggtgttat  | agatatctcc  | 132780 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| ttcatccttg  | tcgtaaaccg | caagcgggtt  | gtatgagata | ctggtgttat  | aactaccgtc  | 132840 |
| ttcgtttag   | aacggatcaa | gaggggttgc  | cttcagcgta | gcactgacaa  | acgggttcga  | 132900 |
| gaaagaacct  | ccggttgact | gtgagaaggc  | atccatgtcg | gccagcgcg   | acgaggtatt  | 132960 |
| gaacccgaag  | ctgaaccatt | tgtaggatgt  | ttccagattg | aggcgggcag  | agtatcgttt  | 133020 |
| cataccgctg  | ttgatggcta | caccttcctg  | attcaggtaa | cctacactgg  | catagtagcg  | 133080 |
| tgtcttgccg  | tttccaccgc | tgaagctgag  | gttgtagtcc | tgataatatc  | cggtagctgt  | 133140 |
| gatggcgta   | atccagtcgt | agctctggat  | gccgtcccag | ttataatccg  | atttgatctt  | 133200 |
| ggccatagcc  | gattcgtaag | tatacttctc  | gggttactg  | tttaccagac  | ctcttgcaaa  | 133260 |
| catgtcggcg  | gtctgctgtg | cgttgcagaa  | agagaagttg | ttgggagcaa  | tggttgtgaa  | 133320 |
| tccttgcttg  | atgtccaggt | caatgtgcat  | ggcaccttcc | tgtccctttt  | tggttgtgat  | 133380 |
| gacaatcaca  | ccgttggccg | cacgcgaacc  | gtagatggcc | gtagcgttgg  | cgctcttcaa  | 133440 |
| gactgtaatg  | gtttctatat | cggctgtatt  | gatatttgcc | agcgggttga  | atgcgcgggt  | 133500 |
| gtctctggac  | gatgcggcat | ccgtatccga  | attcatcggc | atgccatcga  | taatgtaaag  | 133560 |
| aggctgtgta  | cccgaattca | cggaactttc  | gcctcggatg | tagacgtttg  | cctgagcacc  | 133620 |
| cggcatgctg  | gttgaattgt | tcactctgtac | ccccggcatg | cttcttcca   | atgctttcat  | 133680 |
| aaagttaggca | tccgtacgag | attcgagggt  | agtaggactt | gccacgttgg  | cagctcctgt  | 133740 |
| aaatgtgctt  | ttcttggtta | cgccgtaacc  | agttaccaca | acttcgtcca  | atacctctgt  | 133800 |
| atctgactgt  | aatattacat | ttaatatcgg  | cttgatatcc | agttcacggc  | tacgcatacc  | 133860 |
| gatgaacgag  | ataattacct | tcttggcatc  | tgccggaatg | ttgccaagtg  | tgaattttcc  | 133920 |
| atcaatgtca  | gtcactgttc | ctgtgttggg  | tcctttgata | agaacagaag  | ctcctacaat  | 133980 |
| tgggagattg  | tcttctctg  | aagtgacaac  | tcctgtcacc | gttaataacct | gtgccatcgc  | 134040 |
| tatgtgata   | caagcgaaga | ggcaagtaca  | gattaaaagc | aatttttttc  | tcataagatc  | 134100 |
| tctcgtttta  | ggttaagtct | aaaaactaaa  | aacagcaaac | aagtaagaat  | tgtttgctgt  | 134160 |
| ttttataaaa  | aaagttcaaa | aaaatctttt  | ctgtacctct | ttttgtctgt  | aataagtctt  | 134220 |
| ttattgcatc  | ttttcggcta | aatattgccc  | tgtatacgat | gctccacaac  | gagcgacctc  | 134280 |
| ttcgggagtg  | ccacaaacca | caagattgcc  | tcccatatct | cctccttccg  | gaccgagatc  | 134340 |
| gattacatag  | tcggcgcatt | ttatgacatc  | catattatgt | tcgatgataa  | cgacagtatg  | 134400 |
| tcgcgctgct  | atcaacgaat | cgaaagcttc  | gagcaacttt | ttgatatcgt  | ggaaatgaag  | 134460 |
| tcggtagtc   | ggttcatcga | atacaaagat  | agtaggctgc | gacttttcga  | tgcttaggaa  | 134520 |
| ataagctagt  | tttacacgct | ggttttctcc  | tccagaaagg | gtggaagagg  | attgtcctaa  | 134580 |
| cttgatata   | cccagtccta | cctcttgtaa  | aggctgaagt | ttctttacta  | tctttttttg  | 134640 |
| tcctgcttg   | tcgaaaaact | caatggcctg  | gttgactgtc | atctccagaa  | tgctgtaaat  | 134700 |
| attctgccct  | tcgtaccgta | cttccaacgt  | atcgcttttg | aaacgtttgc  | cgtgacatga  | 134760 |
| ttcacattcc  | agtaccaggt | cggccatgaa  | ctgcatctct | acggtaacgg  | ttccttctcc  | 134820 |
| tttacattct  | tcacatcgtc | ctccttcggg  | attgaaagaa | aaatatccgg  | ccgaataacc  | 134880 |
| catctgtttg  | gataaaggct | ggtcggcaaa  | caattttctt | atctcatcgt  | aagctttgat  | 134940 |
| gtaagttaca  | ggattgctgc | gtgatgactt  | tcctatcgga | ttctggtcga  | caaactctat  | 135000 |
| gtcttttacc  | atctgaatat | cgccttccag  | agagacaaac | tcacccggac  | ggctactgct  | 135060 |
| ttcgtgtgat  | ttccgtttca | atgctttgta  | gaaaatatca | cgaaccagcg  | tacttttacc  | 135120 |
| cgaaccgctg  | actccgggta | caaccgtcat  | cacattgagc | ggaaaacgta  | cgtctattcc  | 135180 |
| tttcagatta  | ttctctcttg | caccttttat  | ctctatgtag | ttattccatg  | aacggtgagt  | 135240 |
| ctgcggacgt  | tcgattgttt | cttctcccag  | cagatatttt | accgtataac  | tggttgcttcc | 135300 |
| gggtttcagg  | tctttcatat | ctccctgata  | aacgatttct | ccacccagtc  | ggccggcctt  | 135360 |
| aggacctatg  | tcgatgatgt | aatcggcagc  | acggatgatt | tcttcatcgt  | gctctacaac  | 135420 |
| cacaactgta  | ttgcccaatt | gctgtaactg  | gcgaagtacc | ttgataagtt  | tgtccgtatc  | 135480 |
| gcggctatgc  | aaaccgatgc | tcggttcatc  | cagaatataa | agagaacct   | ccagactact  | 135540 |
| acctaaccgag | gtggcaaggt | tgatgcgctg  | gctctcacca | cccgaagcg   | aattgctgag  | 135600 |
| gcggttcaaa  | gtcaaatacc | ccaatcctac  | gtcgagcaga | aagctgagtc  | ggttgtttat  | 135660 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| ttcgttcagc  | aggcgctgag  | ctatcaactg  | gtcgtgctca | tccagtttca  | aggtacggaa  | 135720 |
| aaactccttc  | aactgataga  | ccggcatttc  | caccagttct | gcgatagtag  | gtcctccac   | 135780 |
| cttgacataa  | agagcttctt  | tctttaaacg  | gcttccgtga | cattcgggac  | aagtagtctt  | 135840 |
| accccgatag  | cgtgccagca  | ttacacggta  | ttgtatttta | tactgatttt  | cctctagcat  | 135900 |
| tttgaagaat  | gaatcaatac  | acaccttatt  | acgcggtccg | tgccagagat  | aatctttctg  | 135960 |
| ttcctgagtc  | agattataat  | atggttcgaa  | aatcggaaaa | tcgtgagccg  | gcgcttccc   | 136020 |
| caggaattcg  | gtaagccatt  | cgctcatctt  | ttcacctcgc | cagcacatga  | ctgcaccgtc  | 136080 |
| gtaaacgctc  | agggcgcggt  | tgggaactac  | cagatgttca | tcaatgccga  | taatctttcc  | 136140 |
| aaacccctcg  | cacgtaggac  | atgcaccgat  | aggagaattg | aatgagaaca  | tctgggtcatt | 136200 |
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| tgtaccgtcg  | ggcagataga  | agcgagcag   | gcaggctccg | tcgccttcgt  | acattgctgt  | 136320 |
| ttcagcagag  | tcagtcagtc  | ggctgatggc  | atctttcgta | tcgtcgcagc  | tcatgcggtc  | 136380 |
| taccagcagg  | tatacgggat  | cggcaggatt  | gtactgatat | tcttccatac  | gtaccatttc  | 136440 |
| accgttcact  | tccagacggg  | tgaaccttg   | tttcatgtcc | atgtctattt  | gttcggcctc  | 136500 |
| gctgcgtcct  | tcgcgtggaa  | tgataggagt  | aagtaccgta | taacgtgtac  | ctttgggata  | 136560 |
| cgaaaagcatg | cagtttacga  | tatcctccgg  | actgtctttc | ttaacaagct  | gcccgccttac | 136620 |
| aggagaataa  | gtcttgccga  | tacgggcgaa  | aagcagacgg | agatactcgt  | atatttccgt  | 136680 |
| cgaagtcctt  | accgtagagc  | gcggatttcg  | gctgatgacc | ttctgttcga  | tagcgatggc  | 136740 |
| tggaggaata  | cctttgatga  | aatcacattc  | gggtttgctc | atgcgtccca  | agaactggcg  | 136800 |
| agcatacgag  | gaaagactct  | ccacatagcg  | gcgtgcctt  | tcggcataca  | aggtatcgaa  | 136860 |
| agccagcgag  | gactttcctg  | aacctgataa  | tccggtaatg | accactagct  | tgttgcgagg  | 136920 |
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| agaagttttc  | attctttacc  | ggcaaaaatta | ggtaaattga | tcgctcttta  | ctctgttatc  | 137100 |
| gaaacaaaat  | gctatctcat  | gtaacaatat  | tcttttgcaa | cgattttaata | aaaagaaagc  | 137160 |
| agggtgattat | tttttggtat  | ctttgccctc  | tcgattataa | tttgaatgga  | aaaatatgaa  | 137220 |
| atcaaaaagt  | ttattgggtt  | ggctggcaat  | gcttttgctg | attgccggaa  | gcgttgaggc  | 137280 |
| gcagacttta  | tatccaaagc  | gtgaatttcg  | cgggtgcatg | atacaatgtg  | tgaacgggca  | 137340 |
| gtttcaaggt  | atgccgacag  | agcagatgaa  | agctaccctg | atcagtcagt  | tggacaactt  | 137400 |
| gaaaggggca  | ggtatcaatg  | ctgtgatatt  | tcaggttcgt | gccgaatgtg  | atgctcttta  | 137460 |
| tgcgctgact  | tacgaaccgt  | ggagccgttt  | ccttaccgga | ctgcaaggaa  | aagcgccgca  | 137520 |
| accgggatgg  | gatcctctcc  | agtttatggg  | ggaagaatgt | cataaacgcg  | gaatggaact  | 137580 |
| tcatgcgtgg  | atcaatcctt  | accgggcaca  | gacaaaaggt | acaactgcct  | tgtctcccat  | 137640 |
| gcaccttac   | aacaaaatc   | ccaaactttt  | tgtgcgctac | ggcggacagt  | tgtatttcga  | 137700 |
| tccgggctat  | cctgaatcga  | gagcctatat  | atgcaaaata | gtacgcgata  | ttgtttccc   | 137760 |
| ttatgatatt  | gatgccattc  | acatggacga  | ctacttctat | ccttatccca  | ttccgggaga  | 137820 |
| agattttccc  | gataatgtca  | gctttgctgc  | ctacggacgc | ggattttacca | ataaggcaga  | 137880 |
| ctggcgcaga  | gataatgtga  | atgtattgat  | aaaggaaata | catgaaacgg  | tacgcagttg  | 137940 |
| caagccatgg  | gtgaaatttg  | gcgtatctcc  | ttttggcatc | taccgtaaca  | agaaatctga  | 138000 |
| tccgaacggg  | agtatacaaa  | acggactcca  | gaactacgat | gacttgtagt  | ccgatgtatt  | 138060 |
| gttgtgggta  | aacaatggct  | gggtggacta  | taacattccg | cagattttact | gggaaatttg  | 138120 |
| tcatccggca  | gctgattatg  | atacgttaat  | ttgttggtgg | gcgcgccatt  | cagcagcacg  | 138180 |
| cccgttggtt  | attggacaag  | atgtgatacg  | tacggttact | aaggctgact  | tgaaaaatcc  | 138240 |
| ttctcaaaac  | cagatgcctg  | ccaagtataa  | gctacagcgt | atgttgcccta | ctgtgaaagg  | 138300 |
| tagttgccag  | tggtatgctg  | cggctgtggg  | ggaaaacaga | ggtaattatc  | gtagtatgtt  | 138360 |
| ggccaatgtt  | tatcataaat  | atccggcgct  | ggcccctacg | tttcctttta  | tagataataa  | 138420 |
| agctccagaa  | aagggttaaaa | aatgaagcc   | aatctggact | gccgatgggt  | atattctttt  | 138480 |
| ctggacagct  | ccgaaagcga  | aggatgaaat  | ggatcgggct | gtgcagtatg  | tagtgtatcg  | 138540 |

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|             |             |            |             |             |            |        |
|-------------|-------------|------------|-------------|-------------|------------|--------|
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| cgatacggtc  | tataaacttc  | cttatgagaa | tggtgaagact | aagtaccgtt  | atgttgtgac | 138660 |
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| gaaaaatcat  | aggcagcaga  | attttcccct | tcaaagtcga  | tgcggcttcc  | tgtagcatca | 139920 |
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| cgtgccagca  | gtacaatatt  | tttagctttc | tcattgtttg  | cagtaaatag  | atcaccatca | 140760 |
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| ttgtctggaa  | ttacatttcc  | gttttggtca | gtgagtgtag  | ttccgggttt  | atacttataa | 140880 |
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| ggagcaagaa  | tagcggatga  | catatcgaat | gatccgataa  | agaggttgcc  | agctgcaatc | 141000 |
| ggcatttttg  | gagtgggtatt | cattccgaaa | cttccagtag  | atcgtgttac  | cagtttgaca | 141060 |
| catttacctg  | aaattcctcc  | atcagcttgt | gctgtaggat  | attgcagggc  | gttacttgcc | 141120 |
| tcaccgcata  | acttatatcc  | ctgattgcca | ctagcccatt  | gcatgagtcc  | gtttatgtct | 141180 |
| gtcaaataaa  | atatatggta  | tggattgatt | tcccgtagggt | tttcgaatga  | aaatttcaat | 141240 |
| ggaagtcca   | tcatatagag  | attcagggtg | taagttgcct  | tattgcttcc  | atcctcggaa | 141300 |
| gtaactgtaa  | atttacgctg  | tttactgtga | ctgaaatcgt  | agtaaggtgg  | gttatcgttg | 141360 |
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| tcacctgta   | tacaggagat  | agtaaataaa | ggtaaaaaaa  | ttccaattaa  | aagggttttg | 141600 |
| aatttcatat  | atattcattt  | tttgtgttat | aggacaggga  | caaataataca | gaaaaaaagc | 141660 |
| attttgaaca  | taaaagtcgc  | tttaaaatat | tttgtgcttt  | gtgaaaaata  | gactatgtgt | 141720 |
| aaaaatgtaa  | atgaggtgaa  | tttccttact | ttagaatatg  | gatttatggg  | aataagtaaa | 141780 |
| aaataggaca  | aaaataaaaa  | aaacagacct | ttcaagggtt  | atgaaatctc  | cattactttg | 141840 |
| cacccctgaa  | aaaacttaaa  | attattagtt | gaatgaaaat  | gaaaaactat  | ttaaagattc | 141900 |
| tttcttcagt  | ggtattactg  | gcttccttag | gcagttgttc  | gaatgaggaa  | ggaaaagaga | 141960 |
| gtgtttcaga  | acaaggcagt  | atcatggtcg | atgtgtcgac  | agacctgtct  | tacagccgtt | 142020 |
| cagtagataa  | gagcgcttat  | cagaacgtga | acaattataa  | ggtgtccttg  | tataaagggg | 142080 |
| aagagcctgt  | ttacacggat  | agactttatg | aggatttgga  | actggagcaa  | agtgtggatt | 142140 |
| ttggagtcc   | ttacacactg  | actgcttact | atggagagga  | tgtagctgcg  | ggctacgata | 142200 |
| aattgtatgt  | aaaaggtagt  | gaaacgttta | ctgtatctca  | gggcgataag  | aaaactatat | 142260 |
| ctatcgtatg  | taaacctgct  | aatgcaagaa | tgatagtgtg  | gtacgatgga  | aagtttgagg | 142320 |
| attatttcca  | gaattgtaca  | gtttctatca | tgacaagcta  | tatggatgag  | gcttgggaaa | 142380 |
| tggataaagc  | ggatgcaggt  | caggagcttt | atgtgaaaac  | cggcgataag  | ggggtacagg | 142440 |
| ctactttaac  | tttcgctgtg  | actgacaaga | acggcgatcc  | ggtatctgtg  | gatggcttcg | 142500 |
| aaacttcaaa  | ggtggtcgat  | ctgaaacctt | gttattctta  | tacctgact   | atcaaacctg | 142560 |
| atgaaacaga  | aattcagggg  | ggtaagttag | gatttgatat  | tattgtagat  | gatggtgtaa | 142620 |
| cagaagaaga  | tgttacagtt  | gatatcccag | gcgattacat  | tccaagttaa  | aataaaatac | 142680 |
| gagtaaaatg  | aaaaaatata  | agagtttaat | atggctttta  | ggccttataa  | taagtctttc | 142740 |
| atcttgcgaa  | atgcgtgatg  | aacttttggg | taagggagaa  | gctggcgaga  | atgcaggcac | 142800 |
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| tactttgggt  | gtaacaaata  | cggaaactca | ggaagaagtt  | gctaagggtg  | aggtcagcga | 142980 |
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| gcagacattt  | tctgtaaaaa  | aaggagtgtc | aacaagtgtt  | gatctgcctt  | gtaagctggc | 143160 |
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| cgctgtgatt  | atcgacaatg  | gagacggtgc | cagtcagacg  | ttcgataaga  | cttctatttg | 143280 |
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| gcatgctgga  | acattgacat  | cttatacttt | tgaagtaacc  | tctttggtag  | cgttacttcc | 143940 |
| acaaactgggt | cttactgggtt | ctcacaagtt | tacattgact  | atctccgatg  | gcaatgaaac | 144000 |
| taaggaagga  | gctttaactg  | tgaatgtaac | cgaataataa  | tcctgcttgt  | aaggatagag | 144060 |
| aattaaaaat  | agagataaat  | gaaaacaaat | atattagtta  | ccagtttatt  | tcttttgga  | 144120 |
| ggattagcat  | cttcctgtca  | gtcagaaata | gatgaagcca  | aaggatatgg  | ctatcttcag | 144180 |
| ttgtcttccg  | tcgatgtcaa  | caagagtgtg | attactcgtg  | ctgatattac  | tgcacggaa  | 144240 |
| acaatagctg  | tagatatatt  | gaatgcacgc | aatgcggtgg  | tgcagcatgc  | cgatgattgg | 144300 |

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| gacaaaacta  | tagaaactca  | gggatttgat  | gcacaacctt  | attacgaagg  | acaaagtagt  | 144420 |
| gtggctatag  | aagcaaataa  | ggcaaaaact  | gtgaacatta  | cttgtaaatt  | ggcacagaca  | 144480 |
| atggtttcgg  | taaaccgttc  | agaaagcttc  | gagctctacct | ttggcggttg  | tacttggttat | 144540 |
| gtagaagggtg | ccgatgcact  | gagcattcct  | tttggtgaga  | atgaaacacg  | tgccgcttac  | 144600 |
| gtaaagggtg  | gccaggcact  | gactgtaaaa  | gttgatttcg  | gtaatggaaa  | atctttctct  | 144660 |
| caggaaatca  | cttcgaaagc  | ggaagctgct  | taccattata  | aagtaaactt  | ggatattacg  | 144720 |
| gaaggtaatg  | ctggattcga  | tatttctgta  | gaccagacca  | ttcatcagta  | tgatgtaact  | 144780 |
| gtaatgggtc  | cgactaagca  | ggaaagtgtc  | gatatggtga  | ccagtgatat  | aaagaacgat  | 144840 |
| gtttccaagg  | tttggggaca  | gtttgcttat  | ttatcgggct  | cttgtaattt  | agcagaaaatt | 144900 |
| acttctccgg  | tacagtcccg  | ttacaagaaa  | aaagctggta  | ccgaatggat  | aacagtagaa  | 144960 |
| gctgttcagg  | aagaaggaaac | aaagaactat  | tcagcgaagg  | ttgctccgct  | ggatttcggg  | 145020 |
| acagcatatg  | aatattatat  | tgtatgtgga  | gataaaacag  | gcgaaacttg  | tacgtttact  | 145080 |
| acagaatcgt  | atgtggaaat  | tccgaatctg  | aactttgata  | catggactca  | aagcggaaag  | 145140 |
| aactgggtatg | ccaatgccga  | tgcttccgat  | agttattggg  | ctaccggtaa  | ctctggagta  | 145200 |
| actcttatta  | aggatgctac  | aacggttcct  | gttgaaggta  | gtgaagctcg  | taacggaaaa  | 145260 |
| gctgccaaaa  | tgactacgat  | tgatggtgtg  | atgatggttg  | gtgctgctgc  | cggtaacttg  | 145320 |
| tttatcggaa  | cttacaagac  | taacatgctt  | aatccgtctg  | ccagtgttag  | ctttggctcg  | 145380 |
| gattacgcag  | gggctcgtcc  | tgtaaaactt  | tcaggatatt  | acaaatatac  | ctcttggtgca | 145440 |
| atcaactatg  | gttctaaacc  | gggtacactt  | acaactgatg  | aatgtaacat  | ttacattcgt  | 145500 |
| ttgtgggatg  | cgaacgggtg  | ggaaatcggg  | tttggtgaat  | ttgtagggtc  | tgaatctggt  | 145560 |
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| taatatattgc | atgaagaaat  | atttcattct  | attattaacc  | tttttggtcg  | taacttcgac  | 145800 |
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| gtggatggga  | ggtgttactt  | tctcgtatac  | cgaattgtcg  | ggagacaatt  | ataagtttct  | 145920 |
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| aatcagggtc  | gcactatcga  | gcttaccata  | ggcgaagacg  | cttttattga  | tagtttgccg  | 146700 |
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| aagccgaatg  | gctttccaaa  | tttcagcttt  | aattcgtttg  | acgaacttcc  | tgccaatgcc  | 146820 |
| aatacggctg  | tcgattttac  | gaatccgggtg | ggattcctgt  | tgaaaactta  | tcaggattat  | 146880 |
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| ggaacgggtc  | cttccttgga  | tttgataaat  | catatagcga  | ttatctacgt  | gacggaagat  | 147000 |
| gctgattacc  | ggaatatcaa  | gattaaaaaa  | ttgaatctgg  | aagggttccaa | gactgtgctt  | 147060 |
| gatccgccag  | cagaaacagt  | gacggacttt  | actcgtccgc  | gagtatttaa  | ggcttatcga  | 147120 |
| aacggcagat  | atatatgcga  | ctggacagtc  | gatgtgcaga  | aatcatcggg  | ggcggcttct  | 147180 |

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| tctgctatta  | ccaaaacagg | aaatacttct  | tattctgctg | aacttaccgg  | attacaaagt  | 147360 |
| ggtacagatt  | acgaagtacg | tgcacttgca  | ggaggtagtg | aaggcgaggc  | atattctttc  | 147420 |
| cagacggaaa  | cgattgtgac | tcttcccaat  | atgaatttcg | atacgtggac  | acagagtgga  | 147480 |
| aaaacttggg  | atccgaatcc | tgttgccgac  | aattatgatg | atcctcaggc  | ttattgggct  | 147540 |
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| gatgcttata  | aaggaaaagc | tgccaagatg  | tatacgtatg | gtgatattgt  | gttggttagga | 147660 |
| gcagctgctg  | gtaacttatt | tatcggaacc  | tataaaacga | atataggaaa  | gcctgtagac  | 147720 |
| agcccgtcgt  | ttggacgtcc | ttattcaggg  | gctcgtccta | ctaagttgag  | tggttattat  | 147780 |
| aagtataaac  | cgatgcctat | tagtaatgat  | ggtactgttc | ctggaaatct  | gaaaacagat  | 147840 |
| caatgtcata  | tctatttgaa | gttatggaat  | gcatccgggc | aggaaattgc  | ttatggtgag  | 147900 |
| tttgttgggt  | cggaacgggt | aactgcttat  | acgaaatttg | agtttgatat  | tgaatatagt  | 147960 |
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| ctgcttgtgt  | ttgctggtac | tatgtatggt  | actgggagga | tgtcagtcgg  | atgaagaaac  | 148200 |
| tgctttgtct  | ggcaaacagg | gattacttat  | tacattgaca | gatgaggaa   | accatgctta  | 148260 |
| ttcgcgtaca  | gctccttctg | aactggaaaa  | tccggtaacg | gaaaagtttc  | agttgaaagt  | 148320 |
| cgtatatagt  | ggtacggata | agtcagctta  | taaaggcagt | tgcaaggaa   | tcatcttgct  | 148380 |
| ggaggaagg   | acatatgatt | tgactgctac  | gtatggagac | aatccgggtac | tggtattgga  | 148440 |
| tgctccttat  | tatgcaggaa | ccttggtatg  | acaagaagtg | ataaaggggac | agatgacttc  | 148500 |
| ggcttccatt  | ccctgttttg | tggccaattc  | tttgttgtct | atcattttata | acaagacaag  | 148560 |
| tctggataaa  | ctgtatgaat | cttattacgt  | aacggtttcg | gttggttagcg | aatctgtcaa  | 148620 |
| tctggatgct  | gattcaggca | aaagtgttta  | tttccgtgcc | ggctcgtctg  | tgaagcttgt  | 148680 |
| tttccatggc  | ttcttgttgg | gaaccggaaa  | agaagtgact | tacgatattc  | ccgatcagga  | 148740 |
| acagttttcg  | aatattccgg | taaagactca  | tgtaaaagta | acattggggac | tggatgaatc  | 148800 |
| taataattact | tcagggttag | gtattttccat | tgagaaactg | gaaacagaaa  | cggtttctat  | 148860 |
| ttcagaaaacg | attcctgtgg | aatattttgcc | aaagccgaag | ttggagtcgg  | acgattttgt  | 148920 |
| gaacaatgaa  | ctgtcgttcg | ccgaaacaga  | aaagaaatcg | gctgtttattc | gtctgaaact  | 148980 |
| ttcgtctggg  | ttgcaggatt | tgaaactgaa  | gtttaattcg | gcagatgcta  | agttttgcggg | 149040 |
| actggaacag  | ggcaaggagt | atttgttgtc  | gaatgcgaaa | gacaagtcag  | ccgttgaaac  | 149100 |
| agcgttgggt  | attacattgc | cggaaatcgg  | agcaacggag | gacagtcttg  | attttacttc  | 149160 |
| cttgattccc  | aagttgatga | cagataaagg  | aactactggt | gcacgcacga  | tagaagtgga  | 149220 |
| tggtgaggct  | aataaccgct | gggcaagcga  | ggatgcatcg | gctaaccgga  | tttatacgct  | 149280 |
| tattttgtaat | aagccggaac | tgtatcttgt  | aaccaatccc | ggaaattttt  | ggagtaagga  | 149340 |
| atthagcgta  | gatagttgtg | atatcaaaac  | aggtgatgta | gaaacaattt  | ctcagaaact  | 149400 |
| ccaataccaa  | tatcgtaaga | aaggcgatga  | gcaatggata | aattgtgatc  | ggttgattca  | 149460 |
| gttcgacgat  | tatccggcag | ataagcaata  | tcaagtacgt | gccgtatacc  | gtgaagggat  | 149520 |
| cgaaccggag  | ccggtagatg | tggaactgga  | aactccgcag | cagttgccga  | attcaggaa   | 149580 |
| ggaggaatgg  | agtacggtaa | aaggtgaaac  | ttttacgatt | tcagattctt  | ggtttaagaa  | 149640 |
| ggcgacttat  | tataaattct | atccatacgc  | cgaaggagaa | agtgataaat  | ggtgggatac  | 149700 |
| caataattta  | cgttctcagg | atggtaatat  | tatcttaggt | atgggacatc  | ctgtttgttt  | 149760 |
| tgctccctgc  | gtgagctata | ctgaagatgt  | caaacatggt | ggaaaccgtg  | ctgcgttaat  | 149820 |
| ttatacttct  | ggacatggtg | gcggttatac  | ttctaccgga | gaagagttgt  | atacggcagg  | 149880 |
| agcaatcgcc  | ggtaaccttt | ttattggaac  | ttattcctgg | acagataaaa  | cagaaaccgt  | 149940 |
| aaatcgtggg  | cacgcttttt | ctgttcgacc  | gactgctgtc | aagttctggg  | ataattatca  | 150000 |
| tccgaagaat  | caggatgcgt | tcaaggtata  | tgtcgaactg | aaaaatggag  | aagaagtgat  | 150060 |



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|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| tgctaccgga  | acttatattc  | ctgaccctat  | ttcgtcagaa  | accggatggc  | aggaaggaca  | 150120 |
| ggttgaagta  | caatatggag  | agcatcctaa  | agctgtctact | tccatctgtg  | tacagttctt  | 150180 |
| gtctacagat  | aagacttcct  | tcagtgtacag | tgattttgat  | aagaataaat  | cgatgacttt  | 150240 |
| ccctgtgatg  | ggagattgga  | gggtacatat  | tggtagtatg  | ctctatatcg  | atgatatctc  | 150300 |
| attaatcttt  | gataaataat  | aatatgagca  | aaaagattct  | atatacaata  | ttatctgttt  | 150360 |
| tcctgtgat   | tagttgccag  | caggaaaacg  | atacgggtact | ctccggcgaa  | ggattcttgt  | 150420 |
| cggttggagg  | aatagagatt  | cagtcacaga  | caaacacaga  | agttgcttca  | cgggcagcag  | 150480 |
| acgacatcac  | ttggacgggt  | gaattgtgga  | aaggagagga  | gatgatccgt  | acattatcgg  | 150540 |
| ccgaagatat  | gcaggataag  | atcgagctgg  | ctaccgcgga  | cgattatatg  | ttgaaagtgt  | 150600 |
| acagtccgaa  | ctatggtacg  | gaaaagaact  | ggacgaacga  | tgaaaaaggt  | gagcccgtgt  | 150660 |
| attataagga  | agtacctttt  | tccgtaaaga  | agggagaaac  | aaccggattg  | aaggttcagg  | 150720 |
| ttcctatgat  | tacttttgcc  | gtaagtctgg  | atcttttggc  | agtgtctggc  | gatttggttac | 150780 |
| aagagtatag  | ctttacgggtc | acttcgggag  | aaagagtcgt  | atcgctggca  | aatggggaaa  | 150840 |
| ctgcttattt  | tgctcattca  | gacgggtactt | ctttcagcta  | tcagttgtct  | gttaccaatt  | 150900 |
| tagattcggga | agaaaatggt  | ttgaagggtg  | aatggggtac  | ggaggaaaaat | gaaaccgtta  | 150960 |
| ctatcaatac  | ggtatatacg  | gtagtgtata  | actggagtac  | tcagtctctt  | tctttagaaa  | 151020 |
| agtaaccgtc  | acagacataa  | agattaataa  | aacaatagcc  | ctaccaacct  | ccatttgggg  | 151080 |
| gatgataggg  | ctattgtttt  | attgtaagga  | tggtcagggt  | gggatttaat  | aaattcctgg  | 151140 |
| ggcagagttt  | tgtttgaaat  | tgtcgttaatt | tccggttaatt | tgtttttcgt  | tttccggatt  | 151200 |
| tagttcgatg  | gctttcttca  | tgtcgtctac  | cgatctgtcc  | ttatctcctt  | tcagcaggcg  | 151260 |
| gatgcgtcct  | cgttcctgat  | agagtacggc  | attctggggc  | atcagctcga  | tggcctcggg  | 151320 |
| atacaactct  | acggccttgt  | cgaattcttt  | ctgctcggtc  | agcattttctc | ctttcagcag  | 151380 |
| gtaagccttt  | tcgttgaacg  | gattgacttc  | cagcacttgg  | tcgaaagagg  | cgtaggcttc  | 151440 |
| atttacctcg  | ccgagtgccg  | cctgtatctt  | tcctttcagc  | aggagagcgt  | cttcatcttc  | 151500 |
| ggaagtaaga  | gagagtacct  | tttccacgtc  | gtccatggca  | tcctttgcct  | gacgcatgtc  | 151560 |
| ccacagtacc  | tcggcacgga  | gcagataggc  | agccccgtat  | tcttcgttct  | gggcaatggc  | 151620 |
| cttggtcagc  | atgacgatag  | cctgcaagtc  | gttcttcatg  | ccacgtgcag  | ccttggcagc  | 151680 |
| cagatagtag  | gccagtgcag  | tggtttcgtc  | gagatggatg  | gctttctggc  | aggcatcgtt  | 151740 |
| catgctttcg  | taatcttctt  | gcatgtagca  | gatgttggcc  | agcgagagta  | gtccttttat  | 151800 |
| gttgctcggg  | gtcttatcaa  | tcaggcggtc  | gagcgtgata  | cgtgcatcgt  | cgatgcgtcc  | 151860 |
| ggcttccacg  | taagcactgg  | caagcaactg  | caaggtttcc  | ggttcatcgt  | tcagtgccac  | 151920 |
| agcctgttcc  | aaacacttga  | tggcataagg  | caactgatgc  | atgttgctgt  | cgcgtatgcc  | 151980 |
| gtcgtatttc  | aggatttcga  | aattcttttt  | atcttgttta  | gcctgttggt  | cttcgctcgg  | 152040 |
| tttgtttcct  | ccgaataagg  | atgataataa  | gcccataatt  | ttatcttttt  | atgttaatgt  | 152100 |
| gttgcaaaga  | tacgtagaaa  | attaacttaa  | tgaatacgtt  | tgctggaaaag | aaattcgtat  | 152160 |
| gtttgcacga  | caataaagct  | gtgaaataaa  | aaagataact  | tatgaaaaag  | atgctgttgg  | 152220 |
| tcattgttgc  | tctgctggca  | tgtcatacca  | tgcaggcaca  | atattttctgt | acaacgaacg  | 152280 |
| gtacggaatt  | gcattacgta  | aattatgatg  | aggcaggaca  | gagcctgtcg  | aacgaaacgg  | 152340 |
| ttacagtata  | taatggtgtg  | aacaatgctt  | caggagcaag  | cgcacagtac  | tttgccaaga  | 152400 |
| ttgtaaccaa  | caagacaaag  | aacaatacca  | gctatacgtt  | ctataactgg  | agctacgatg  | 152460 |
| ggaacgtgac  | tacttgtcag  | gaggatttga  | tgtatggtcc  | ttatatcaaa  | tcggattccg  | 152520 |
| atccggcgaa  | atatgattcg  | aaggcacgtc  | aggcgttggc  | tgaagatttg  | aagctgaaag  | 152580 |
| gagataattc  | gttcactctc  | aagaatcagt  | cgaaggcagg  | cgaactattt  | cccgaaccgtt | 152640 |
| cttattcgct  | gatttcgaac  | atgctgaaga  | atgaggtcac  | tatttcggga  | gcggcttaca  | 152700 |
| tgggaacgga  | acaggtcagc  | acgacggctg  | gtaagttcga  | ttgtatcaag  | atttcatacc  | 152760 |
| tgaagcgtac  | aaagattgtg  | ctgaaatcgg  | aaactatccg  | tgtgactgaa  | tggtatgccg  | 152820 |
| aaggtatcgg  | tctggtaaaa  | tcggaaaatt  | acaataccaa  | gggtgaaccg  | gacggtaaga  | 152880 |
| cgattctggt  | gaaaattgta  | aaataagctg  | ataaatagac  | aggcagtatg  | tgccggtaac  | 152940 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ataaaaaatct | cctacttttg  | tctttgttcc  | ttttaattac  | aagactaaaa  | gcaggagatt  | 153000 |
| ttttattttct | aagtttcaat  | ctgtatgtaa  | gattttttatt | tttgcaactc  | tattttgagg  | 153060 |
| cgactttcttt | tttataatgt  | taaatcactt  | caatgccttg  | ctgccggcaa  | agcttcagac  | 153120 |
| tcaagtcctt  | cagcttgaac  | ttctgaatct  | ttccgcttcc  | cgatcatcga  | aattccttca  | 153180 |
| cgaagaaaaac | atatttcgga  | atttttagtc  | gggcaatctt  | tccctcacag  | aactcacgga  | 153240 |
| catcgtattc  | gttcatcgta  | tatccttcgt  | gcaggatgat  | gaaggctccc  | accgcctcgc  | 153300 |
| cgtattttttt | tgaggggaca  | cctgctacct  | gtacgtcctt  | tatgcccggc  | atctgataga  | 153360 |
| gaaattcctc  | tatctcacgc  | ggatagatat  | tctctcctcc  | acggataatc  | atataccttga | 153420 |
| tgcgtcccgt  | aatgcggtag  | ttgccgttct  | cgtctttttac | acccaaatcg  | cctgagtga   | 153480 |
| ggaaaccgtt  | ctggtctatc  | acttcggcgg  | tagcctccgg  | attctttagt  | tatcctttca  | 153540 |
| tggatttgta  | tccgcgggta  | cacatttcgc  | cctgtacgcc  | ttgggggcat  | tcctcacccg  | 153600 |
| tttccggatc  | gagaaccttt  | acttccgtaa  | attcgaagtc  | gcgtcctacc  | gtggtgaagc  | 153660 |
| gtacctcctg  | cgggtcgtcg  | atgcggctgt  | gcgtcatacc  | cggcgagggt  | tctgtcaggc  | 153720 |
| cgtatacact  | ggttactttc  | atgaacattt  | tctcttccac  | ctgtttcatc  | agctctatcg  | 153780 |
| gacagagcga  | tcctgccatg  | ataccggtac  | gcagacaaga  | caggtcgaac  | atgtcgaaca  | 153840 |
| tcggatgatt  | cagttcggca  | atgaacatgg  | tcggtagccc  | gtagagtggc  | gtacagcggt  | 153900 |
| ccttgtggat  | ggaagcgagc  | accagtagcg  | gatcgaaccg  | ctctaccatg  | acttccgtac  | 153960 |
| agccgtgcgt  | caggcagttc  | atggtggcga  | gcactacccc  | gaaacaatgg  | aacagcggtg  | 154020 |
| cacatacgca  | gagcttgctg  | tcggcagtga  | acttcatgtg  | ctctcctgtc  | agcagtcctg  | 154080 |
| tggtggcgat  | attatagtgg  | gtaagcatca  | ctcccttggg  | gaagcccgtc  | gtacccgacg  | 154140 |
| tatactgcat  | gtttaccgtg  | tcgtggcagt  | tgacttttct  | cttggcctcg  | tcgagtacgg  | 154200 |
| tatcgtcgat  | gttgtttccc  | agcagcagaa  | tctccgccgt  | gttggtacatg | ccgcgatact  | 154260 |
| tttcttgacc  | gatatagata  | acgtttcgca  | tgtgcgggaa  | acgttttgctt | ttcatgtggc  | 154320 |
| cgcggttcgaa | tgtcttcagc  | tcgggaagca  | tgcggtacgt  | catctccaca  | aagttactgt  | 154380 |
| ccttttctcc  | gtcgacaata  | caaagagtat  | gcattgtccga | gttctcgcac  | aagtattcca  | 154440 |
| gctccgcctg  | cttgtagtgt  | gtgttgacgg  | taacggctac  | cgcaccaatc  | ttggcacagg  | 154500 |
| cataaaggaa  | cgtcagccag  | tcggggacgt  | ttcgtgccca  | tattcctaca  | tgggtaccgt  | 154560 |
| gcgtaatgcc  | gatggcaagc  | aatcccttcg  | ccatattgtc  | tacacggcgg  | ttgaactgac  | 154620 |
| tccacgtaaa  | gcgcagggtta | cggtcggagt  | atacgtatga  | ttccttgtcg  | ggcgtttcgg  | 154680 |
| cagcccagtg  | ttccagccag  | tcgcccaggg  | ttctttccga  | taattgtatc  | atatatagtc  | 154740 |
| agtttgtcag  | ataggcgtat  | agataacggc  | caggatgcgg  | gcctcctgtc  | cctcgaacgc  | 154800 |
| atgtacgtga  | tgcggtacga  | tagagtcgta  | gtaaatgggt  | tctccttctt  | ccagcagata  | 154860 |
| cgtatacttg  | ccatagttta  | tttcgagcgt  | tcctttcagt  | accatgataa  | actcctcgcc  | 154920 |
| ttcgtgtgcc  | gagaggttga  | actcactgtt  | ccgctctgca  | tcgatgtcga  | caatgaacgg  | 154980 |
| ctccatgtga  | cggtcgggtc  | tgctgcgcga  | cagggcgtga  | tagtgcatat  | gctgccgggc  | 155040 |
| atcgagggca  | ttgttcgaaa  | agctgatggt  | atcgtcggcc  | tctccgtgac  | ggcatactac  | 155100 |
| cggaccggct  | tcatcgggct  | gatcgtcgag  | gaaagttccc  | agacgtactc  | ccagagcacg  | 155160 |
| tgccagcttt  | accagcgggg  | caagcgacgg  | tatatcaatg  | ttttcttcga  | tgcggggttat | 155220 |
| ttgttcgatg  | gcaagtccgg  | tacggctctgc | cagttcatcc  | agacttattt  | ctttggccat  | 155280 |
| tctgaggcct  | ttgatctttt  | ctccgataat  | gttggtttta  | tccatagtat  | aagcagtttt  | 155340 |
| tgtaaatgcg  | taagccttta  | tatagctttt  | gtcaaatcag  | gtcgggtggca | aatatagtaa  | 155400 |
| agattttata  | atacgcacgg  | tgtagatacc  | taaaaaagg   | tacagcgctt  | ttccgttcat  | 155460 |
| attcagttaa  | ctaataat    | cataaaaaaa  | cgtatacggc  | agggttggtg  | tgaactaaag  | 155520 |
| tgaaggtacc  | cttggttctga | tttagacggg  | tcggccgttt  | gaaagacatt  | tgaatttctt  | 155580 |
| ttaaacatag  | acagaaagat  | tatgaaactg  | attatgaccg  | accgccctgt  | cgacgtgagt  | 155640 |
| tttctgaagg  | atgaggcggt  | gaaatatatc  | gatttatcct  | ccctgcggat  | agccaactgc  | 155700 |
| atgggatgct  | tcggatgctg  | gacgaagacg  | ccgggccgat  | gtgtgattcg  | tgacgatgcc  | 155760 |
| acccgggtat  | atccgtatat  | cgccgcaagc  | gatacggtag  | tgtatgtcag  | tcggctgtgt  | 155820 |

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|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| tacggcggct  | acgacagcgt  | gatgaaaacc  | atgctggagc  | gcgccattcc  | cgtgcagcag  | 155880 |
| gcctttatac  | gcatccacaa  | gggagaaacg  | catcacgtgc  | agcggggccgt | gatgatgaag  | 155940 |
| aaagccacga  | ttcttgcccta | cgggtgacatc | tcgcccagag  | agcaggatat  | cttccggcag  | 156000 |
| ctgatagccc  | gtaatgccat  | caatatgagt  | tttgagagtt  | atgaagtga   | gtttaccacc  | 156060 |
| gaagtcctgc  | tgaacgatgc  | ggtgaaagaa  | attgtagaaa  | aatgggaaac  | gtactgattc  | 156120 |
| tgaacggcag  | cccaggggcg  | ccgaaatcca  | attcacggca  | atatgccgaa  | atcttttcga  | 156180 |
| ccaacagcca  | gttgccgtcg  | gattatttca  | atatatcgaa  | gaacaatcat  | gccgaactct  | 156240 |
| gccggaggat  | gtcgggaatac | tccgatgtgt  | tgctgggtgt  | tccgctttat  | gccgattcgc  | 156300 |
| ttccggtagg  | tttccctgaat | ttcctgaagc  | atctggaagc  | caatcctccg  | gaacggaaac  | 156360 |
| cggtggtgtc  | gatcctgatt  | aactgcggtt  | ttctagagca  | tcagcaaaaac | gacattgcct  | 156420 |
| tgaagatgct  | tcgtctcttc  | tgccggaaga  | acgattatcg  | gatgggttcg  | gtgctggcac  | 156480 |
| tgggaagcgg  | ggaggcgata  | ctcgggtacc  | cgtttcgtta  | cgtagcggtc  | agagcggcca  | 156540 |
| agaagctggc  | gaaatctgtc  | ggaagcagga  | gttaccgtac  | gatacgggcc  | accatgccgc  | 156600 |
| tgaacaaacg  | cttgtttctc  | tgggctgcca  | cgtactactg  | gacctggtac  | ggcaagcgtt  | 156660 |
| tcggaacaac  | taaggagcag  | atgcagacca  | tgaagattga  | gtaaggatgt  | ttttgcatcc  | 156720 |
| gttcgcctcc  | cgtgctacaa  | aattgttttg  | tacctttgcg  | gcgacaaaaa  | ataaaacgga  | 156780 |
| tgaagaggc   | ttttatcaaa  | cttcacctct  | cggtagctgt  | agccggagggt | acaggagtct  | 156840 |
| tcgggcgggt  | gattaccctg  | aacgaggggac | tgctgggtgt  | gtatcgtagt  | ttgttgggccg | 156900 |
| gtgtgctgtt  | ctatatcgta  | cttttcttgc  | tgaagaaact  | gcggaaactt  | tctgcccgcg  | 156960 |
| atgccctgcg  | tatgcctcg   | gtgggattgt  | tgctggctgt  | acactggctg  | tttttctatg  | 157020 |
| gcagtatcaa  | ggcctcgaac  | gtatctatcg  | gggtggctctg | cctgtcgcgtg | atgagtttct  | 157080 |
| tcacggcttt  | gtttgatcca  | cttatcaacc  | gtcaccgggt  | atcggcaagc  | gaaatcgtat  | 157140 |
| tcagtctgat  | cggagtggcg  | ggcattgtgc  | tcattttttca | tttcgatacc  | cgttatcgga  | 157200 |
| cgggtattct  | cctgggagtg  | gtgtcgtcgg  | cactggcttc  | tctgtttacc  | atctgcaaca  | 157260 |
| agaaagtggc  | atcgggttat  | ccgtcgggca  | ttaccttgct  | ctatgaaatg  | ggagggggcgt | 157320 |
| ttgcgggatt  | gacctgcatg  | ttgcctttgt  | atctgtattt  | ctttcctgta  | cctaccatat  | 157380 |
| tgcttccggc  | taccgatttc  | ggctatttgc  | tggtgtttgc  | ttcgggtgtgt | accgttctgc  | 157440 |
| tgtacatcct  | tcagatacag  | gtgtgaaga   | agatctcggc  | gtttacattc  | aatctgacgt  | 157500 |
| acaacctgga  | gcctattttac | agcatcattc  | tggcaatgat  | tatcttttcgg | gaagcaaagg  | 157560 |
| acttgaactt  | cagtttctat  | acgggactgg  | gattgatttt  | tctgtctgtc  | gtgatgcaga  | 157620 |
| cgggaaggggt | ggtctggcag  | gcaaagagaa  | accaactaaa  | accgtaacgc  | atggacgatt  | 157680 |
| tgagattacg  | catacaacag  | ttgttgagc   | agctgaacga  | acgggtgttc  | ggcaaggagc  | 157740 |
| atgtcatcgc  | gctgtcgtg   | ctttctgccg  | tggcaggcga  | gagtatcttt  | ttgtctgggac | 157800 |
| ctccgggagt  | ggcgaagagt  | atggtggcac  | gccgcctgaa  | gctggctttc  | cgcgggggag  | 157860 |
| aggctttcga  | gtatttgatg  | tcgcgcttca  | gtacgcccgga | tgagattttc  | ggaccgggtt  | 157920 |
| ccattttcga  | actgaaggaa  | ggcgatacgt  | acgaacgggt  | gaccgaaggc  | tatctgcctt  | 157980 |
| cggctacgggt | ggtgtttctg  | gatgagatat  | ggaaggcggg  | accggctatt  | cagaatgcgt  | 158040 |
| tgctgacggc  | tgtcaacgag  | aagattttcc  | gcaacggacg  | ggtgacgatg  | cagcttccgc  | 158100 |
| taaagggact  | ggtggcggca  | tcgaacgagt  | tgccggcggt  | aggacaggga  | ctggaggcct  | 158160 |
| tgtgggaccg  | tttctgtctg  | cgtgtcatgg  | tgacaggggt  | ggaagatttg  | tccgatttcg  | 158220 |
| accggatgat  | tgcttcggcc  | gacgagagtg  | agccgtgtat  | accggaggaa  | cttgccatcg  | 158280 |
| gcgacgagga  | gtatagcgga  | tggcagcagc  | agatagcggg  | cattaccttg  | cattactcca  | 158340 |
| ttttcgaagt  | gattcatctg  | ctgaaggaga  | aaatagagga  | ctacaaccgt  | cgcttgcaga  | 158400 |
| acgatgagtc  | ggcggaactc  | ccgctgtatg  | tatccgaccg  | ccgctggaag  | aagatggtca  | 158460 |
| agctgctatg  | cgcatcggtt  | ttcctgaacg  | gttcggaagc  | tgtccgtctg  | tcggactgtc  | 158520 |
| tgttgctggc  | acactgtctg  | tggagcgacg  | tgacgcagaa  | aagtgtctcc  | gaagaaatgc  | 158580 |
| ttggcgcggc  | gatacgtcag  | agtgccgaag  | ggtacctgct  | gaacttgcag  | ggagtagacc  | 158640 |
| gtgagttgca  | ggccttga    | gaggaactga  | tggcagcggg  | tacggtagcg  | gagagtcacg  | 158700 |

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| gacgcttgct | gatgtttgct | tccgatttcc  | agtcgctcga | cgatacgggg  | aaactctttt  | 158820 |
| atctgcataa | agacaagtac | aagtcgcagt  | gctttatcct | gaagaaatac  | gacctttcca  | 158880 |
| tgcgaggcaa | ggtacctcag | aacaagattt  | attccctgcg | caagggaaga  | cgttcggtgt  | 158940 |
| tcatcaacaa | ttatgagtat | cctttgcgct  | gcaacgccga | tgcggaaccg  | cttcgggcta  | 159000 |
| tcgaggtaag | tccggaaaac | gacctgacca  | gccgctttcg | gggactggag  | gagctgcttt  | 159060 |
| tgcgggtgga | tgccggcagc | aaggagtttt  | ttgatgccga | gaggggaatat | tgccggaatc  | 159120 |
| acctgttcct | gagcgaacag | gaacgccgga  | agatggatga | gatgctgcgt  | gtgcagcagg  | 159180 |
| attcgctgga | aaagtataaa | catgaacttg  | acgaactgaa | acatgcgtac  | cgaaaagaga  | 159240 |
| atgaggagta | tccggatcaa | ggatctgaag  | gcgacttatt | tggaggagct  | ccggcgagcag | 159300 |
| tgctttgagt | gcctgagaga | ggccttgacg  | cacggaacgg | tgcgtccggg  | ggagctggag  | 159360 |
| ggagcggtat | gggagtatta | ccgcaagacg  | gctccatcct | tgcaggagtt  | ttattcgcg   | 159420 |
| tatacgcccg | agtgggaagt | gttttacgag  | catgaacagt | tgctgccgtc  | cgatttcctc  | 159480 |
| gatttccttt | accgatgca  | gttggtttc   | cgcaagcgtt | atgactggc   | cgagctcgac  | 159540 |
| gtgccttatt | acatcgaacg | gctggaacgg  | ctgcctttgc | tgagtccgga  | acggaaacgc  | 159600 |
| ttgcaggaac | tttttctgga | taagtggcat  | cgctgtctta | cgaacaagga  | gtacgattat  | 159660 |
| cagtatcacc | acattgaatc | gctgtgcgag  | ggctttgcc  | tgctcgacaa  | gcagaacgga  | 159720 |
| ctgaaaacgg | tggcagatgt | gacgggctcg  | cgctgaggt  | ggttgttgct  | gaaccgtccg  | 159780 |
| gagctttacc | gtcgtattgt | gccctatgaa  | aaggatgatg | aacagaaccg  | gcataatccg  | 159840 |
| gaactggtgc | gggtcttagg | aaagcacagc  | aaggagagaa | agcgcagttt  | cgatccgctg  | 159900 |
| ggaggcatcc | gtgaagagca | actggttcgc  | catgccgtac | gcagcgatat  | cgagggagtg  | 159960 |
| actttgggta | acgacttgaa | tcactgtctc  | ccgatggagt | actgttacct  | gacggatgag  | 160020 |
| gcgctccgtc | cggtattcat | gcagaagttt  | gtggaaaaac | gtttgcaggt  | attcgacagt  | 160080 |
| cgttcggcgg | aagacagctc | gacacttcag  | aagggcagaa | agcccgtgag  | cggtcagggg  | 160140 |
| ccgtttgtag | tttgtctgga | tacctccggc  | tccatgcagg | gcaagcgcg   | aacgctggca  | 160200 |
| aaatcggctt | tgctggcggg | ggcgaagctg  | gtagacagta | cacatcgcaa  | gtgctacgtc  | 160260 |
| atcaactttg | ccgaagatat | tactgcatg   | ctgatcaagg | acttgcggac  | cgacctgccg  | 160320 |
| ctgctggccg | atttcttgaa | ttatcgcttc  | gacgggggta | ccgatatggc  | tccggcactg  | 160380 |
| aaggaagcca | tccgtatgat | acaaacaaac  | gggtggcatc | gttcggatgt  | cgtgatgatt  | 160440 |
| tccgatttcg | aaatgccacc | cgtagaggat  | gaattaatga | aacagatcgt  | tcgtttaaaa  | 160500 |
| cagagagata | cctcgtttta | tgcgttggtt  | ttcgggactc | ggcccgaat   | ggattatctc  | 160560 |
| actatttgcg | accggacttg | ggagatggag  | ataccttgat | ctgctggatg  | ggctgctgag  | 160620 |
| taacattatc | cagcgggata | gcctgggtatt | tcactttggc | aaagtcgatg  | gtccgcaggt  | 160680 |
| cgatgctgcg | tatcgactg  | ttgtacatgg  | tgcggtaata | gatgggtccg  | ttcgccatgt  | 160740 |
| cggtagccga | tgccactgc  | gtggcgctcg  | ggatgtcgac | gggaactttt  | cccagaggaa  | 160800 |
| attcaatacc | taccggaata | tcgaagtgtg  | tcagaatctg | gaatccctga  | agtacggtct  | 160860 |
| tttcggcag  | gtcctgctgc | ggggcagtcg  | actggtagaa | agctgcgcgt  | acgaagcgtg  | 160920 |
| aaggaggggg | tacatcgccc | ggtataccca  | gaaatccact | tcctgctccg  | aacgatttca  | 160980 |
| gcggggtagt | gccagatct  | tgtgccggag  | ccgttcccgg | gaacagggtc  | acgtaattgt  | 161040 |
| tcaggttggg | aagctgccat | tcaaagccc   | gagagttggg | cagcacacct  | aagttgtttt  | 161100 |
| cgaagaagtg | cgggggtctg | cctgttatct  | ccagtacgag | ctgtttgcca  | gccggatcgg  | 161160 |
| tgaatcgcca | gtgaacggta | gacgaacgcg  | ggtcgatgtt | gactacatgt  | acactcttta  | 161220 |
| ccgcctcttt | tacctcatcc | agcgtggcgc  | agttacccaa | gatccacgaa  | accagttgca  | 161280 |
| ggtcggaaa  | ggtattgtct | ttttccgctg  | cgttataatt | ctcatattct  | ccgtaagcag  | 161340 |
| gaaagtagaa | cagtcgggca | gatagtccgg  | cttcgttcac | gccttcgca   | ataaattcct  | 161400 |
| tttgttctac | cgccagtc   | acgtatccgt  | agcgtgcggg | aaatttcatt  | ccgttcactc  | 161460 |
| cttcgggggt | atacgactgt | gccgcataat  | ctctcgggac | aatgacatac  | tgacttttca  | 161520 |
| ggtcacttcc | tccccattcg | atggtacgtg  | ccacgattgt | agttccgtct  | ttgcttttca  | 161580 |

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|-------------|-------------|-------------|------------|-------------|------------|--------|
| gtgtgatgcc  | tgtgcaggca  | tttgcgggct  | gcgatgcgat | tagaccggtc  | aagcccagca | 161640 |
| gtaaaattga  | taatgtcgat  | ttcatactct  | gtatttttta | aatataacaa  | aggttcggta | 161700 |
| aatatgttca  | tttgcagata  | aatagttttc  | cgctctgctg | gtcgactaca  | tcctctgcca | 161760 |
| gcaggtacga  | caaggctttc  | cggactttct  | ccttgctgcc | ggacagggca  | tccagcaatt | 161820 |
| cttgcaggga  | acggggcggt  | tgcagcagag  | acatgatttc | gttgcggata  | tcttcgaact | 161880 |
| ctccctgctt  | cagtccggag  | gcatgtttgg  | caagacaggt | gtcgactgt   | ccgcagttgt | 161940 |
| gttcgttctt  | ctcgccgaaa  | tattgtagga  | gcagacggct | gcggcactga  | tgctcggcat | 162000 |
| cggcatagtc  | gagcatggcc  | ttgatacgcc  | gttcgtaact | agccttcctg  | tcttcgtata | 162060 |
| cctcacggct  | tatcacgagg  | cgttcactct  | cctgacgctc | gcgggtatag  | atgatgtagg | 162120 |
| gcgttttctt  | tcccggatat  | tagtgcagga  | cgtgttgccg | ggtgagcgat  | atcagtgtgt | 162180 |
| cgtacacttg  | ctggcgggag  | aggccactgc  | gcagggcaag | cgtatcttcg  | ttgatgtagg | 162240 |
| cgtaatcgct  | gaatacgccg  | gtataggaac  | gcaggatgac | gcggatcagg  | ttctccgttt | 162300 |
| ccggactgct  | ttcgtggatg  | cggtaacaact | cgctcgctct | cagggtaaat  | atcagtcggg | 162360 |
| aagcattgtc  | ctgctcgtcg  | gtgtattcca  | gatagccggc | acgggtgaga  | atcttcagcg | 162420 |
| cactgtccac  | ctgaatgggg  | aagtgttga   | agttccggca | gaactcgtcg  | atgttgaagg | 162480 |
| cgtatgtaca  | gcccagtcctg | tcgcccactg  | ccatctggta | atagtaattg  | atatgttcgt | 162540 |
| atacctgacg  | gatatagtcc  | ttttcgggga  | aggatctgcc | gatacgcttg  | ttcagaacgg | 162600 |
| ctttgtcgct  | gcgggcatac  | agctgtacgg  | cataggcttt | ctgtccgtcg  | cgtccggcac | 162660 |
| gtcccgcctc  | ctgaaaataa  | gcctcgggcg  | agtcgggaaa | gtcaatgtgt  | accaccagtc | 162720 |
| gcacatcggg  | cttgtcgata  | cccataccga  | aggcattggt | agctaccatt  | acccgaaatt | 162780 |
| ctccgtttac  | ccatcccttc  | tgtcgctggg  | ccttgatgtc | attgttcagt  | ccggcatggt | 162840 |
| agaaggtggc  | agtgatatcc  | tgtgcattca  | ggaactgggc | tacctccttg  | gtctttttcc | 162900 |
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| cagtgatcat  | gctgaccttc  | atacttttca  | gcttggcctg | gaaaatctcc  | gtgtccagtc | 163260 |
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| acttggtgtc  | taccagttcc  | agcttgatgt  | gctcctggtc | gcgtcctacc  | accttgctcg | 163920 |
| taccgtagtc  | gtagacattc  | agggtagcga  | agaccggttt | cggattatcc  | ggaccgaagg | 163980 |
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| cgaacgccg   | tgtaaactcc  | ggtacgttct  | caatcttcat | ggaaagtccc  | gcagcgtacg | 164160 |
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| ccggacggta  | ataaatctcc  | gtcaggcggg  | aagcgacgat | accgatcact  | cccttggtgc | 164340 |
| aagcctcggt  | gtaaatcacg  | atggagcgtc  | gttccgatag | attctccaga  | tgatccacaa | 164400 |
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| cgatactcgg  | gttcgagtta  | agctgacgca  | gtccatgata  | ggcaagcacc  | cggttctcgc  | 164700 |
| ccatgatcgg  | tacgatatcg  | gaggcgatgc  | tcacggcgac  | cagatccagc  | agtggagtca  | 164760 |
| gctggtgaaa  | ctctatcccg  | ttgttcacgg  | caaaggcctg  | catgaacttg  | aatcccacac  | 164820 |
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| ccacggccgg  | tggcagcaca  | tcgtcgggca  | catgatggtc  | gcagatgatg  | aagtcgatgc  | 164940 |
| ccttttcctt  | ggcatacgca  | atctcctcta  | cagccttgat  | gccgcagtct  | aatacaataa  | 165000 |
| tcagttttac  | gcccgtttcg  | gcagcgtagt  | ccactccctt  | cttcgaaact  | ccatacccct  | 165060 |
| cgttatagcg  | gtcgggaatg  | tagtaatcga  | tgttcgaata  | gaactgctga  | aggaatattgt | 165120 |
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| ctttccgtcc  | catagccctg  | tttagtcggt  | ccacagcgat  | gctcatgtcc  | ttcatgagga  | 165240 |
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| gtgccctagc  | tgcttcccgc  | tgttcgagtg  | tcggagggtg  | atagttccat  | ttgtaattca  | 165420 |
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| gcccagtgct  | tcgtcggcaa  | atgttctcgg  | agtgtaaagtc | tttcctttgt  | aggtaaattc  | 166260 |
| cttcggacat  | gcaccagat   | aagtatcgta  | gatagcctga  | ataccgtttt  | tccataaccg  | 166320 |
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| tgaagcatcg  | ccgtggtaac  | gaacgtagtt  | tacggcacgg  | tcttccatgg  | ttttgtgtac  | 166560 |
| cacaaacatt  | tcagacaagt  | cgaatcacc   | ttttccggca  | cgcagcagct  | cggcttccag  | 166620 |
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| gataggtact  | tccttaactg  | ttgtaaacac  | aaagccttcg  | tctgctttgt  | tctttttcgg  | 166740 |
| gttcttggca  | tatacgttgc  | tgaacatac   | gccagagacc  | aaaatggcaa  | ttaatttggt  | 166800 |
| catcttttct  | tttttaggttt | taattattag  | ttgtttttat  | tgttcattca  | taatcttttc  | 166860 |
| tacttctctt  | attgtgatag  | ggatgtgttt  | ctcgccggta  | aagcgtgagc  | cttcgggagt  | 166920 |
| aatcagaatg  | tcgtcttcca  | gacggatacc  | gccgaaatcc  | ttaaacttgt  | cgatggcgtc  | 166980 |
| gaagttcagg  | aactcggagt  | tgatgttctc  | cgctctccac  | ttgtcgatca  | gtgccggaat  | 167040 |
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| cagcgaagcc  | agtccgaact  | gatcggacgg  | acgagtttca  | tcgtcataac  | ctacgtagca  | 167160 |
| ctgtcccagg  | tcttccatgt  | cgtgtacgtc  | gataccatc   | atgtgtccca  | gtccgtgagg  | 167220 |
| catgaagagt  | gcgtgtgtc   | cggcagctac  | tgctcgtcg   | acgttgccct  | tcatcagtc   | 167280 |
| caggtctttc  | aatccctgag  | ccagcacctt  | acatacatcc  | aggtgaaccg  | acatgtaagt  | 167340 |

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|            |            |            |            |             |            |        |
|------------|------------|------------|------------|-------------|------------|--------|
| cactcccgga | cgagtcagtt | ccagcgcacg | gtcgtggcaa | gccagcacga  | tgctgtacac | 167400 |
| gtcacgctga | cggctggtga | actttccgcc | taccggtatg | gtacgagtat  | ggtcggaaca | 167460 |
| gtaattggtg | acactttccg | cgcccgcac  | ggtcagcatc | agacgtcctg  | cctgaagaat | 167520 |
| ctggctgtgg | tcgtgattgt | gaagcgtctg | tccgttctgc | gaaagaatgg  | tggcaaacga | 167580 |
| taccatgtta | ccatacga   | cagcga     | gtcaagaatt | ccggcaatat  | attgttccga | 167640 |
| aacacccggc | ttgcacagac | gcatggcagc | cgtatgcatt | tcgtaaccga  | tggtgcacgc | 167700 |
| cttgtctatc | tcttcaatct | cgcaggcttc | ctttacggca | cgcaggctga  | tgacagcctt | 167760 |
| gatcagctcc | agcgacgcat | gctgcttggg | catggaagca | cggatgccc   | tcagctcttc | 167820 |
| cagcagcatc | atgttgtcgt | aacggtaggg | cgggaggaaa | tgaatcttgc  | ggcgttgaga | 167880 |
| gatagccttt | ccgacgaaat | ccttcagtcg | tgtaaaccga | aaactctttt  | ccactcccac | 167940 |
| acgttcgccc | agttccttta | cgctaggctg | aggacccatc | cagataatgt  | catccatggt | 168000 |
| cacatcgtcg | ccgaagaaat | aatcctcgtc | ggcatctacg | tccagcacgc  | cggcaaatcc | 168060 |
| cgggtgtgaa | tgtccgaaga | aataaaggaa | cgaactgtcc | tgacggaatt  | tatatgtatt | 168120 |
| atcgggata  | tttgcagggg | cttcgttgtt | tcccagtatc | aggataatac  | cactacttac | 168180 |
| tttttttcta | agagccttac | ggcgattgcg | gtatactgat | gaatcaaaca  | tattgtata  | 168240 |
| gttaaagtaa | atttattgta | ataagtgttg | caaaaatagg | aaattaaaaat | gaataatgtc | 168300 |
| ctaagcattt | tcctaaaaaa | tgtatctttg | tgaactaaa  | ctattgtgcg  | ctatgaaact | 168360 |
| agatctgaag | aatatgggcc | tgggtgctcg | aggagggggc | atgcgcggag  | tgtttacctg | 168420 |
| cgggtgtctg | gattatttca | tggatcatca | tatcgagttt | ccatatagta  | ttgggtgtgc | 168480 |
| ggcaggagcg | tgaacggac  | tttcgtatat | ctcacatcag | cgcgggctg   | ccaaatacag | 168540 |
| caacatcgat | atgatgaaaa | aatatcatta | tataggtttg | aagtatttgt  | ggtatcagca | 168600 |
| tagcatactc | gaccagaagt | tgttgtagca | aatctttccc | gaggagtgc   | tgccgtacga | 168660 |
| ttatgaggcg | tatttcaaga | atccgacacg | ctttgagatg | gtgacgacaa  | actgtgtgac | 168720 |
| ggggcggtgc | tgttatctgg | aagaaaagga | agacaaggag | cgtttggtgg  | ctatagcgaa | 168780 |
| ggcatcgagc | agtctgccgt | atgtatgtcc | cattacgtat | gtcgacggtc  | gtccgatgct | 168840 |
| ggacggagga | attgtggact | ccattcccgt | attgcgtgcc | atcgatcagg  | gatataagca | 168900 |
| gaatgtcgtg | gtgctgacct | gcaacagagg | gtatcgcaaa | tcggagaaaag | acatccgggt | 168960 |
| accgcggttt | atctacacct | gctatccgcg | tctgcgcgtg | gtgctgagtc  | atcgttgccg | 169020 |
| ggtctacaac | gaacagcttg | cgatggtgga | gcgcattgaa | gacgaaggaa  | gcatcattgt | 169080 |
| gattcgtccc | gaacatccgg | tggtagtgaa | ccggattgag | aaagatgtga  | agaaactttc | 169140 |
| tgccctgtac | gacgaaggat | atgcgtgtgc | ggaaaaagtg | atgggtccgt  | atctctgaaa | 169200 |
| acgtgaggat | gttttctgaa | agtttgtata | aaaagcaaga | agttttgtac  | aaattattct | 169260 |
| ggactttctc | cgtgctgcgt | gagaaagttg | ccgatacacc | ccgaaagaaa  | atgacgcgtg | 169320 |
| tcgtgataaa | tccatacaga | aagagccgta | tcttggtact | caatgcttga  | gtaaggatac | 169380 |
| ggctcttttt | atgtgacttg | taatatgtaa | cttcgcagta | ttattttgtt  | tgcatcttcc | 169440 |
| ttgtatgggg | aaatcggctt | gtctttatta | tttagcgaag | cttaccgcac  | gtgtttcacg | 169500 |
| gataacggta | atcttaacct | gtcccggata | agtcatttca | tcctgaatct  | tcttggcgat | 169560 |
| ttcagtcgac | aggctttctg | tctgcttgtc | gtctatcttg | tcggcaccta  | cgatgacacg | 169620 |
| cagttcgcg  | ccggcctgga | tagcgtatgt | ctttgtaaca | cccggataag  | acatagccaa | 169680 |
| ttgttccaaa | tcgttcagac | gcttgatgta | agcttctacg | atttcgcggc  | gtgcacccgg | 169740 |
| acgagcacca | gagatagcat | cgcacacctg | tacgatagga | gccagcaggc  | tggtcatctc | 169800 |
| tacttcgtcg | tggtgagcac | cgatggcatt | gcagatatcg | ggtttttctt  | tatatctctc | 169860 |
| ggccagcttc | ataccagca  | gtgcgtgtgg | cagttccggt | tcttcacatg  | gtaccttacc | 169920 |
| gatatacgtg | aacagtccgg | cacgtttcgc | tttcttcggg | ttcagtccca  | gttcagatgc | 169980 |
| catgacagca | cacaggttgg | cagtttcgcg | ggcgtgctgc | aacaggttct  | gtccgtaaga | 170040 |
| agaacggtat | ttcatcttac | cgatgatgcg | gatcagttca | ggatgcagac  | cgtggatacc | 170100 |
| caggtcgatc | gtcgtacgct | taccggtttc | gatgatttca | tcttctacct  | gcttgcgaa  | 170160 |
| cttggcaacc | acctcttcga | tgcgtgccgg | atggatacgt | ccgtcagtaa  | ccagctgatg | 170220 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| caaggcaagg  | cgggcaattt  | cacggcgtag  | agggtcgaat | gccgacagca  | cgattgcttc  | 170280 |
| gggagtatcg  | tcgacaacga  | tttccactcc  | ggtagcagct | tccagtgcac  | ggatgttacg  | 170340 |
| gccttcacga  | ccgatgatac  | gtccctttat  | ttcatctgat | tcgatatgga  | atacagttac  | 170400 |
| cgagtctctg  | atagccgttt  | cggtagctac  | tcgctggata | gactgaatga  | cgatacgttt  | 170460 |
| cgcttcacgg  | ttggcagtc   | gcttggcatc  | gtccatgatg | tcgttgatgt  | acgactgagc  | 170520 |
| ctgtgtcttt  | gcctcttcct  | tcagcgattc  | caccagacgt | tccttagcct  | cttcggcaga  | 170580 |
| aagtcccag   | agagcttcca  | gtttctcgcg  | ttcctgagcc | tgaagcgcg   | ccagttcttc  | 170640 |
| ttttttcttg  | tcgatgatga  | cgagctgtgc  | atccaggttt | tccttgatag  | cctcgttctc  | 170700 |
| gttccgttta  | cgctgcagtt  | cctcgttctt  | ctggttcagc | accatttcgc  | gctgtttcag  | 170760 |
| cttgttttct  | gcctgctgta  | ttttctgatt  | acgcagagcc | acttcctttt  | ctagatcagc  | 170820 |
| cttcttggtc  | aagaactttt  | ccttcacttc  | cagaagcttg | ttcttcttga  | tcacctcggc  | 170880 |
| ctctgtttcc  | gcttctttta  | taattttatc  | atatctccct | ttcaagccat  | acttgaaaaa  | 170940 |
| gccatatgaa  | agtgcacctc  | caaccagaaa  | ggcaacgacc | gtcaatatta  | ctaattgtcaa | 171000 |
| cattacaagt  | tagtttaaat  | atatataaat  | aaaaagcgca | caaaccatcc  | gtcaggtata  | 171060 |
| cgcttgacct  | caagcttggtg | cgcaaagtgt  | ttctatcttc | cgtacactaa  | acgcttactc  | 171120 |
| actctctttc  | ctgatacatt  | cgtctatata  | ctcttccagc | tgtttcagct  | tttcttgata  | 171180 |
| agggtgtgta  | tcattccggt  | ccttcataga  | catattttca | aaagccagtt  | ccagagctgt  | 171240 |
| cataacccaa  | tacttctcag  | tattgaagtt  | cggaacttta | ttgcggtatt  | tgtttagctt  | 171300 |
| atagtcaatc  | tgtttggtcg  | catcccagata | taaatgttcc | tcttcacggt  | tgatgatgag  | 171360 |
| gggatatcgt  | tcattgtcaa  | tcagcagatg  | tattttcatt | tggtcgtccg  | tcattgttctt | 171420 |
| ttcaccgttt  | aaattattca  | ttcagcaaag  | cgatacattt | gtcgacttca  | cgcacaagct  | 171480 |
| tcgccaatct  | ctgtttcgta  | tcgcggagtt  | cattgtcgtt | gatactgagt  | atgcgagctg  | 171540 |
| tctttaaatt  | ggtatacatg  | gcttctaatt  | ctttccggct | attctggagt  | tcggaaattt  | 171600 |
| caacttcttt  | ttcggcaaga  | agctgtcggg  | gagaggcggt | ttcttggttc  | aattcttcat  | 171660 |
| ataaatacat  | aaaatgcctc  | agtttccctt  | cgaaagtgtt | caatagcttt  | ttgtcttctt  | 171720 |
| ccgtcatttc  | gtacccaaat  | tgtatacaaa  | tatagtggat | tgaggagaaa  | cacaaaaatt  | 171780 |
| tttggtgata  | ttttcttcaa  | tacttcggta  | aatttttacc | gataaattaa  | aattaaacat  | 171840 |
| agaatcggca  | taatccggtt  | caaaattata  | ttcaagagat | cattgaaata  | ctgtcaagaa  | 171900 |
| taaatcgtca  | aggagtaaga  | aaagggatga  | aaaagatatg | ctaaacagct  | gaaaatcaac  | 171960 |
| agaaaaagta  | tttcataatt  | cactgatttt  | tagtaaatga | gaagtacttc  | accactttta  | 172020 |
| attatgacta  | aagaatcact  | ccttatgcaa  | taccaatccg | agtcagaaaa  | cgctctcgaa  | 172080 |
| tcagctgtaa  | atataagcaa  | atcttttcag  | aaagtattca | tgatgcaat   | gaaattattc  | 172140 |
| atggctatac  | ctgaccgcat  | caatttccta  | caaatgggac | ggatgagatg  | tttctcggaa  | 172200 |
| cagacatacc  | gcaacaattt  | tgagaacgac  | ggctttgact | ggttttcctt  | caatgaagcc  | 172260 |
| atcatcaggg  | aacaccttaa  | aggtggtcgc  | aaggcgatag | ccgttgatcc  | gtctttcatt  | 172320 |
| ccaaaatcag  | gcagcaaaac  | gccgtggatt  | ggctattttc | ggtcgggttg  | tgccgggtgaa | 172380 |
| tacaaacgtg  | gactggaaat  | aaccggtatt  | ggagttatag | acgttgacaa  | ccatgaatgt  | 172440 |
| atgacttttg  | gctctgtaca  | gacacctgac  | aacgcaacgc | tggaagagctg | tgagaagaat  | 172500 |
| cttggtgact  | ggtacagctc  | ttaccttatc  | agcatacagg | aacagctgaa  | acgtattttc  | 172560 |
| ggcacagtcg  | tgtgtgatgc  | gttcttttca  | aaggcaactt | tcatcaaacc  | attgtacgat  | 172620 |
| aacggtttcc  | acgtaataag  | ccgttttcagg | aatgatgccg | tattgtttta  | tcccacctta  | 172680 |
| gaaaaatagga | caggaaaacg  | cggacgtcca  | aaattacatg | acgagaaaaat | tgactttgaa  | 172740 |
| aatctggaca  | tcacaagatg  | taccgagtag  | aaagtgaaca | agggtaaact  | ttacggactg  | 172800 |
| aaagcatact  | ccaaagcact  | caaacgcttt  | gtgagcctgg | ctgtatggta  | ccccatggat  | 172860 |
| ggaagaacgg  | acaaatggca  | gctgtatttc  | tctacaaacg | aaatacagaa  | cgcacaggat  | 172920 |
| gtcctggact  | tttacagaac  | acgtttccaa  | ctcgaattct | gctttcggga  | tgccaagcaa  | 172980 |
| catgccggaa  | tagcaaactg  | tcagtctaca  | gacttcagga | aactggcatt  | ccactttaat  | 173040 |
| gcataccttg  | cagcgataaa  | cctcgccaag  | gctgcctgta | agaagatggg  | aataaaatat  | 173100 |



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|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| tccatatcat  | catgcaagtc  | agtcatacac  | aatgcttaca  | tgcttgaacg  | atattatttgc | 173160 |
| gtgtctggga  | ttgaaccaaa  | cacgcaatta  | attgacaaac  | ttttcaaaga  | actcatttta  | 173220 |
| tttactgcca  | gagccgctta  | ggctgggcta  | atttttaacg  | aactattgaa  | tggaataaac  | 173280 |
| aaatgaagta  | aagcaacgta  | ttgtggcagc  | gatagccgcc  | gaccgtgaaa  | attatcccag  | 173340 |
| tgacaaccgc  | catgctacgg  | cactgggcat  | agccccagc   | gtgtacaata  | ccatcaagcg  | 173400 |
| gggcaattat  | gaaaagcagg  | tcagtgatgc  | caactgggta  | ggcatagccc  | gaagattggg  | 173460 |
| cgtgcaactg  | cgtacagaaa  | tgccctggct  | ggcagcacag  | accccgacct  | atgtgtttgt  | 173520 |
| gagtaagcag  | ctggaagtgt  | gccagggaa   | cgggctgagc  | gccatcctgt  | gcgatatgcc  | 173580 |
| caatatcggc  | aagaccttta  | cagcgaaagc  | ttacgtgaag  | cagcacaagc  | acgccgtata  | 173640 |
| tgtggactgc  | agccaggtga  | agaccaagtt  | aaagctgata  | cgctacattg  | ccaaggaatt  | 173700 |
| cggcgtgacc  | agcaacggac  | gctacagcga  | cgtgtatgag  | gacttggtag  | cctacctccg  | 173760 |
| cacgatagat  | acgcccctgg  | ttattctgga  | cgaagccggc  | gacctgcagt  | atgaagcctt  | 173820 |
| ccttgaactg  | aaggccctgt  | ggaacgccac  | cgagcgtgc   | tgtgcgtggt  | atatgatggg  | 173880 |
| tgacagcggg  | ctgaagggaa  | agatcaaccg  | cgccatcgaa  | ggcaagaagg  | tggtctatac  | 173940 |
| cgaaatgttg  | agccgctacg  | gtgactccta  | cagcaagggtg | accccggtatg | atgcgcagga  | 174000 |
| acgcgaaaaag | ttcctgaagg  | cacaggctgc  | cattgtagcc  | aaaatcaatg  | ccccggacgg  | 174060 |
| taccgacatt  | gccaaagatcg | ttcacagcac  | cggaggcggc  | ttgcggcgcg  | tatataccga  | 174120 |
| aatcgaaaaa  | ttaaggagga  | tgcaagcatg  | aaactgaaaa  | gagcctacag  | ccccggtgag  | 174180 |
| gtgctgaaca  | tgaagatacc  | ccggtatgaa  | tttaccgggg  | attggcaagc  | ctcgataggc  | 174240 |
| aaccctgcca  | aaagcggcgt  | ttggattatc  | tggggtgcc   | gcgggaacgg  | aaagagcagc  | 174300 |
| tttgtgatgc  | agttggccaa  | gtacctgtgc  | ggtttcggac  | gcgtgatcta  | tgacagtctg  | 174360 |
| gaagaaagca  | ccggcctttc  | gtttcagatg  | agcctgaaac  | ggcataagat  | ggatgagggtg | 174420 |
| cgcaagcggg  | tggttatcct  | tgaccgcgag  | tcgatggatc  | agctggagga  | acgtctgcag  | 174480 |
| cgccgggggca | gtcccggcat  | tgtgattatc  | gacagtttcc  | agtacagcgg  | gttgaactac  | 174540 |
| aagacctaca  | aggagttaa   | ggagcggcac  | cccaagaaac  | tgtttatctt  | catcagccat  | 174600 |
| gctgaagggg  | cacatccggc  | aggcagaagc  | gcccgaagg   | tggaatatga  | tgccgatgtg  | 174660 |
| aaaatcatgg  | tgagctgctt  | caaggcctgg  | tgcaagagcc  | gctttatgga  | aaagcccggg  | 174720 |
| gagccctatg  | tgatttgga   | agaagggtgct | gccaaaacat  | tgaaggacga  | taatattggag | 174780 |
| gattatttga  | atggaatggg  | agaataagct  | gtaccagata  | ctcctgacag  | gacaggaagc  | 174840 |
| ggaggccgtg  | gtggacgatt  | gggtagaacg  | taacatacaa  | agcgacctcc  | gtctgcgcag  | 174900 |
| ggccaagaca  | aagggaacag  | tagtgataga  | aaccagggat  | gtgatgtttg  | cccggaatat  | 174960 |
| tcaggatg    | catccgtcct  | gcaaataaaa  | cattaaagat  | ttgaagtgat  | ggaaaagaaa  | 175020 |
| gaagaaaaga  | aagtgtgctg  | catctgcggc  | aaagagtatg  | agggtacgg   | atacaatccg  | 175080 |
| ttcccgtgga  | aagaagaagg  | ctgctgctgc  | caatcgtgca  | attacagtgt  | ggtcgttccg  | 175140 |
| gaacgggtgg  | aacggcacia  | ggcttatcag  | cgcggtgaag  | cgaccggtgc  | cgggaaagtg  | 175200 |
| tatatcagcg  | gagctatcgc  | gcactatgac  | atggatgagc  | gcaaggaagc  | cttcagccgt  | 175260 |
| gccgaggagg  | aactgaaggc  | acaaggctat  | gaccctgtaa  | accctttcag  | gaacggattg  | 175320 |
| ccggatgaag  | ctcattggag  | agcacacatg  | cgggcccaga  | ttgccctgtt  | gctggcttgt  | 175380 |
| gactatatct  | acatgctgaa  | ggactgggaa  | ctgagcaagg  | gagccaagct  | ggaacttgac  | 175440 |
| gtggccagtt  | cgtgtggcat  | taaagtattg  | tttgaataac  | ctttaagttt  | ttgaattatg  | 175500 |
| gcaaaagaaa  | ttacgggtact | tgtaaagttt  | agaggaacag  | ttcctgaaga  | tgtaagtatt  | 175560 |
| gctgacatag  | aggagcaaat  | agatcgcaat  | cttgaagaca  | gctttcgttt  | gaatttctcg  | 175620 |
| gattccaaaag | aagaagatga  | tgatttgaga  | gaaccgtgga  | tagagcgtga  | ggatatgtat  | 175680 |
| attacggaaa  | agggattttca | attattaatt  | agctaataca  | atcaagatga  | cacaggaagt  | 175740 |
| aaccaatttc  | gcccgtttct  | acgcattgtt  | caacaagttg  | ccctgtacag  | gagaccggga  | 175800 |
| agggctaaag  | aagcaaatcg  | ttctgcagta  | cacgtgtgac  | cgtacggaaa  | gcctccgtga  | 175860 |
| aatgacatcc  | aaggaatatg  | aagcctgctg  | ctgtgccttg  | gagaaactaa  | ccgggcagga  | 175920 |
| tgaatggcga  | cagaaacttc  | gcgaggaact  | gcggcggaag  | cgcagcgtat  | gtctgaagct  | 175980 |

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|             |             |            |            |             |            |        |
|-------------|-------------|------------|------------|-------------|------------|--------|
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| cccacggata  | gccggcaaac  | cctttgttca | gattagtaca | gcgagactgg  | aacaactggc | 176100 |
| catcaaaactg | cgggctatcc  | aacgaaaagg | aggtttaacc | gataaataag  | acaaatatgg | 176160 |
| ataaaaaagc  | acatgaagcg  | cttgagcgca | tcagaaaaga | tgtgattctt  | acgacatccg | 176220 |
| atctggagaa  | ccaggatgca  | gccgagtttt | tcaacgaact | ggccgactgg  | gcgtatgcca | 176280 |
| acggtgaagc  | catgctgata  | gacgatgaac | cggaaatgca | ggatggtgag  | gaagaataaa | 176340 |
| aacaagtaat  | gaaccatta   | aaaatgattt | gaacatggaa | aagaacaacc  | aaagtgtgga | 176400 |
| catcaagtcc  | ctgagtaaag  | aacagcgagc | agccctcatg | gcccagctgc  | agcaagaaga | 176460 |
| gaaagaagac  | cgcatgtctc  | gtcgtgaaac | ttacgaggca | ttacgcggtg  | agtttatgca | 176520 |
| cgaagtaaag  | gccaacgtcc  | ttgaaatggg | gaatgccgtg | accgggttcc  | gcggatggct | 176580 |
| ggaaaaagaa  | gccgatgcct  | ttaccaaggt | gatgaaggaa | tacggccagg  | tgaaaagcga | 176640 |
| cgaacagcgt  | agctacacca  | ttacggacgg | tgacttccgc | ctggaggtga  | aaagcaacaa | 176700 |
| gggtgaaaggc | ttcgatgaac  | gagctgatat | ggcagccgac | cgtctgattg  | actacctgaa | 176760 |
| gcgctacatg  | cagaacagtg  | agaaaggttc | ggatgatccg | atgtatcaga  | tggccatgac | 176820 |
| cctgctggag  | cgcaacaaga  | tgggcgacct | ggactacaag | agcatttcga  | agctctacga | 176880 |
| actggaagac  | aagtctgatg  | aagagtatgc | agacatcatg | cgcctgttca  | aggaagccaa | 176940 |
| cggtggtgcag | cgcaatgccca | ccaactacta | cttcagtcgc | cgggaccctg  | aaaacggtgt | 177000 |
| atggacccgc  | atagagccca  | gtttctgccc | tttgtagccg | gaatccgtta  | accctgtaaa | 177060 |
| cagaaagcgc  | cgagttgtt   | ataattgcgg | cgcttttgtt | cttaaattcg  | atgaaaatca | 177120 |
| gctatttttg  | taagagaaat  | aaagcgtatg | ggcaaaggac | gggataaaga  | attgatcaag | 177180 |
| ctgcgtgacg  | aggcactgtg  | ccgccgttac | tactattgga | cagaaataca  | gcggttgccg | 177240 |
| ttcgacgatg  | ctttaaaggt  | gttgtcggag | cgcaattctt | ttatatccga  | ggaacgtatc | 177300 |
| atgaccatca  | tccgccggaa  | atcacgtgag | ggaacagact | acaatctgaa  | gcctgttccc | 177360 |
| aagggtgaaa  | ccccccgtct  | gactgccgcc | cagcttgagc | tattccccgt  | aagatgacgg | 177420 |
| catggccgat  | tcatcgtgca  | gtgtgaatga | gaatgtcatt | tcatagacct  | tgatgtaatg | 177480 |
| tggcatggca  | tacgagcggc  | ttttctcgcg | taccagcggc | gaagcgttgt  | ccgtgcattg | 177540 |
| cagacactgc  | agcgacttgt  | ataatttccc | ggccagctgc | tgcctttccc  | tcaccttgct | 177600 |
| atacgtgcca  | gatgcgtagc  | ttgtatcgct | gtaacaatca | atagccagcc  | ggacggtcag | 177660 |
| catggattcg  | cttttctgta  | ccccatatcc | gaggtcgttc | cagtcagaac  | ttgtatttcc | 177720 |
| aatcaataca  | caaggggaagg | tgaccgggta | atggctcttc | tctgccccca  | tttccaattg | 177780 |
| tccgtagtct  | tcatcgtatg  | gcgagagttc | cggcatttcc | tgtgcaatct  | gttccatgat | 177840 |
| tgcgataaaa  | acttcttcca  | tatccttagc | tgtttaaaat | gttggttaatt | tcctgatcca | 177900 |
| tcttctcccg  | tatgcggctg  | ttcaattctt | cgctttcgcc | catgaactgg  | cgctgcggga | 177960 |
| tgcgaatgtg  | cagtctcttt  | tttttggtta | gtgccatgtt | tctccagaac  | tgtgcttgcg | 178020 |
| gattcagttc  | cttcggtttg  | gtacgtcggt | taacgcgttt | cttttgccct  | gtgtcggctt | 178080 |
| tttttctttt  | ccccgaagcc  | ttgtagaact | tggcccatgc | aaagcgcttc  | atgcggtctg | 178140 |
| tgacgggtgac | gtcgatttctg | ccaccccgat | tgtggatggg | cgcatagacc  | acctcgttga | 178200 |
| acacccttac  | ccggtagtcg  | gcaggtgtat | atccgaccga | cttgaanaaga | tgcttcctgc | 178260 |
| cggagagcag  | cgtgccgtaa  | ttgctggcgg | catcggatcc | tcccaggagc  | agccgttttg | 178320 |
| attttgccca  | ggggtgaagc  | ccccggttga | caaagcccc  | atgccggaag  | ttatcctgga | 178380 |
| aatggtcttt  | ggccatacgt  | cctaccatga | ccggcatttt | gcggcgcatc  | atactgtcca | 178440 |
| gcctgtcacg  | tttccgcttt  | atcatttccg | taaaatcttt | tatgtccata  | atcatcagta | 178500 |
| attcaagaat  | aatttataac  | tttgcaaccg | aggcttccaa | tatgcctttt  | atgcgttatg | 178560 |
| aatataaccg  | aacaagtaaa  | gaacgaggct | cgtgtactta | ttgagcaata  | cggtgacacc | 178620 |
| ttcgaatacc  | ttggtattta  | tgaaggccag | gaagcctatg | tgttcaagtt  | tccgggggac | 178680 |
| tccgtgaccg  | gttatccttt  | cgtctatctg | tatgacggta | aagacgcaac  | cgaaataacc | 178740 |
| ggtccgttat  | cccttgacgt  | tatcgattca | tgtatcgaaa | atatcgagga  | aggagacatc | 178800 |
| gaatagctta  | ttgtcaattc  | tcaggactcc | cctgcagttg | tgggaagtcg  | cagctcctat | 178860 |

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|             |             |            |             |            |              |        |
|-------------|-------------|------------|-------------|------------|--------------|--------|
| ttcacataaa  | tattttacgt  | ctttccattc | cattcctgaa  | ccggcagaat | tatcgctttg   | 178920 |
| gggttcgata  | taccttagtt  | caccatccgc | aaaccgttgc  | aggattgtag | catgcccgcc   | 178980 |
| cccgcctttc  | cagccgatgc  | acaattcata | cacgccttct  | tccttacata | cctcattgaa   | 179040 |
| atactccatg  | taccttttag  | gggtcatttt | caggatccct  | ttgttcgcaa | gccagctggt   | 179100 |
| tatacttata  | tggtgcgccg  | gagtaccgtc | ggtgtttttc  | cagacttcaa | aagcacgtcc   | 179160 |
| attactcaga  | tattcaagtt  | tagaccctgc | gacattgcct  | ttggcggtaa | tatcccatcc   | 179220 |
| acgtaatcgt  | aaagcgtatg  | ccggtgcgca | agtctggcag  | ttgatactgt | atggagtatc   | 179280 |
| ccgtttttta  | tcgtaatcgc  | tggtcttccg | gtatctgttt  | ccccttttat | cgcggtatat   | 179340 |
| tcctttggaa  | tccaaaatat  | actcttccac | atgtttggga  | tttgatttct | gtttgtccgc   | 179400 |
| cttatccaca  | tccataggtt  | ttcctttttt | gattttaaga  | gccttttcca | tttcgaggtt   | 179460 |
| gttccgggca  | atggccattt  | tttctctccc | ggtaaggtag  | tccggcattt | ccgcaatcat   | 179520 |
| ttcatcaatg  | cgcgccataa  | gtttatccac | cgcttttttg  | gcacccttgt | gggcttctgc   | 179580 |
| ctgatatgga  | tgattgtcgg  | aaaacagttt | gccgtccgtc  | cccggattgt | tatccagtc    | 179640 |
| gggctggggc  | ttgttcttgt  | cgtcttcgtc | cggaagtggg  | gtcggctcct | cgctcgggtggc | 179700 |
| agtgaggtcg  | cacttgcagt  | tccaccggtc | gcccggtcgg  | tggatgttcc | agaacgtgtc   | 179760 |
| atcaatcggc  | cggatggtat  | tccagaacgg | gcggtggtca  | gccccgggat | gaatggaggt   | 179820 |
| ggacggtagc  | catttgaggt  | tgggcagaat | atcgcgttcg  | cgcaggaact | gttgccagtc   | 179880 |
| agccgcctga  | tgcgcccgga  | tgaccgccgt | atcatactcc  | gtccgcagcc | agtgcgaac    | 179940 |
| ctgatgggaa  | gcaatgggca  | agacttcttg | taccatttg   | tcgaacgggt | ttaaaatgcc   | 180000 |
| gtttgaatcc  | aataaaaatc  | gtgccatgtc | attctgcata  | cgatgtacct | tgaatgctga   | 180060 |
| gaatacggca  | ttgttccgga  | gtatggcatt | tctgaaatcc  | tcgtccggag | taatggcctt   | 180120 |
| ggatttgctg  | aatccttctt  | ttgccgcctt | gtccatcttt  | gcccataatt | cattgaacag   | 180180 |
| gttgatttctg | atttcggttg  | ccggatgaaa | atccctgctg  | tatatgttca | gcaaggcacg   | 180240 |
| ccgcagcacc  | tcttcggaga  | agtcaaactc | catggagatg  | ctgccattat | cagccgcata   | 180300 |
| cagtctgtcg  | actaccagtc  | taaagctgcc | ccgtctgccg  | gggctttcac | gaaaaaacct   | 180360 |
| ttgagccagt  | tccggaagtt  | tcttttctgt | ttcgggtgctg | gttcatcatc | ccgtccctta   | 180420 |
| ttcgtgggct  | ccggctcctt  | cttcgggctt | ggaatctggg  | cggcttggtc | agccgtcttt   | 180480 |
| tgttccgcct  | tcagctgtct  | gtaattggcc | ggtttgtcga  | taccgaattc | ctcatagaga   | 180540 |
| taatcgctcg  | cgatggggat  | gttgaagttc | ttcttcagct  | gcgtgaggat | ggatattttg   | 180600 |
| gtaccggcat  | ccgtttcttt  | cggttccgga | aagcagaatg  | tcccccttc  | agtattgatg   | 180660 |
| cccattgcga  | gcaaaaatgtc | cgtcatgtcg | taattcagca  | cgttgagcac | gtatttccgg   | 180720 |
| tcagcctcca  | gtacctgtgc  | ctctactttc | ttatgaaccg  | tacccaaagc | ctgtgtgcct   | 180780 |
| ttttcggacg  | attcgggttg  | cagcgtattg | cccaatatca  | gtttggaaat | ttcgttggtg   | 180840 |
| caccgttcgc  | agaggcgttc  | atagacatcg | gcagaccctg  | ttttgtttcc | ggcttccgta   | 180900 |
| agtttgagtt  | ccgtgtcctt  | ggcatgaaag | aactgcgcc   | gacttccggc | atttgccgca   | 180960 |
| tcctccatgg  | cccgttggcg  | ggactcgtcg | tcgtcggagt  | catagatata | ttcctgtatg   | 181020 |
| ggcatgccga  | atacctcgga  | gaactgtgcc | cagtcgccc   | tagtgttacg | tttgtagatg   | 181080 |
| acccaagggtg | cagcctttgc  | caacagcccc | aaatcggacg  | gtgaaccac  | aaaaagcagg   | 181140 |
| tcagtatatt  | cattccagga  | atggccggta | atgtccgtct  | ggtggcgag  | gatgagttcc   | 181200 |
| ctgaccggat  | ccacatgctt  | gcgcggtacc | aggtcataat  | ccaccactc  | ctgcagcttg   | 181260 |
| tagaactggc  | agagcgagaa  | gccccagaat | ttcgcataca  | ggatgtcacc | caccagccgg   | 181320 |
| ttgaaccagg  | gcgactgtat  | ctgttcgttg | attttatcgt  | cgggcttccc | gtccaccggg   | 181380 |
| aattccatgt  | tggagcacag  | cacggcattc | tttcgctttt  | cgatcacaca | ggaaagggtg   | 181440 |
| gtatccatca  | gaatgtcctc  | gtagaggtca | taaagtttgt  | aacgtcgtga | gaaatcgaca   | 181500 |
| ttctcggctg  | ccttgacggc  | tgccatgtag | tcggaaatgt  | ccagcccgaa | gcgtttgggc   | 181560 |
| tgtgtgagta  | caatcacatt  | cggctctctc | tgccccggca  | acgtaaagtt | tccccctacg   | 181620 |
| gtgatgatac  | cggctttgtt  | gtttttcttg | tttttctttt  | tcatgatgct | tgctttttac   | 181680 |
| cagtggttcg  | ttcgtttgcg  | gttgctttga | atgcggaaat  | ccgacctgcc | cgccctttgt   | 181740 |

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|             |             |             |             |             |            |        |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| tcctcaggca  | gcagcggagc  | cccttcgatt  | gaaatgtcct  | cgtcggccac  | cgccttcac  | 181800 |
| cattccaccg  | cccgttcgta  | gcggtccttg  | cgtaacctgg  | aaagtttctg  | cgggttggtg | 181860 |
| atgcagaaga  | tgtgatagac  | tgccatgtcg  | atgaccatca  | tcagcacgag  | ctggttccgg | 181920 |
| ttgtccccgg  | tggccgcaaa  | aatcttggtg  | cagtcgtagc  | gtttgctcaa  | ataacaccgc | 181980 |
| atttcggcaa  | tggccctgtc  | ctcgcaaac   | tcaatgaccg  | tttcgtcctc  | tctaaccagt | 182040 |
| gcgtcgagga  | tgtctcgggtg | gatgtcgcga  | tcgtaatcgg  | aaagttcaac  | aaatttgctc | 182100 |
| atagtcctat  | tgttttagag  | ttgtcataat  | cttttcttgt  | tccgctttct  | tacatccttc | 182160 |
| cgtgagcgga  | atacgggcgg  | ttcaatgcgc  | ctgatcagtt  | cgtcgatgat  | gcggtttgct | 182220 |
| ccttcgaccg  | catccgggtc  | gtcggccggg  | tagcgcagtg  | tcaggggtgaa | cagcttgaac | 182280 |
| tggctctcca  | gttccttcat  | gtgcggattg  | tcccgttcag  | cctcgttgag  | gatgagggtc | 182340 |
| ccttcgcggt  | tgagcgggtc  | aagggtggcc  | tcgatacgcg  | tagccttgct  | cgtcttcttc | 182400 |
| tcctcgtcgc  | cccggatgaa  | cagcgaatc   | ttctgttcgc  | ggcgacactt  | tgccaccagc | 182460 |
| ggtttgaa    | cctgctggaa  | gaaagggtcc  | tgcagtttgt  | tggtctccat  | gtagcaatag | 182520 |
| acattggtct  | tgccccgcac  | aaattcaagc  | atccggacat  | accagtcaat  | aaactccgca | 182580 |
| ttgagcgctt  | gtgccaggaa  | agtcttgatg  | acgtaaagcc  | tgccacccaa  | tttgccacag | 182640 |
| agcgaaaccg  | tcttgaagga  | tttgcccttc  | ttacccttgc  | tttcgcccgg  | tgccgggtcg | 182700 |
| ccatacacca  | cgaggaactt  | gaatttggtg  | agtgtctggaa | ccttgccgta  | tgcaatgttt | 182760 |
| tcgaatacct  | cgccacgga   | aatcgggttg  | ttgaaatatt  | ctccctgtgc  | cgcctttttg | 182820 |
| gatattttgg  | acagtgtgcg  | gtcgtatgtc  | tcttccgagt  | tcttttccgg  | ccatgtggaa | 182880 |
| aaaccgtttt  | tgtcgcggat  | gttcacgatg  | tcccaggagt  | cggccatttc  | gcccgccttc | 182940 |
| accacgcagc  | agtccttggc  | gatgatgttt  | ccgcagaaga  | tgaccagtgt  | aggttcggaa | 183000 |
| atggaccttg  | tgggatacag  | cgcattttcc  | caccagtccc  | agcgttcttg  | gatgatgtcc | 183060 |
| gggttcttgg  | tatcctcgtc  | cgtatcaaag  | tcacgcacca  | gcagcacgtc  | gggacgtatg | 183120 |
| gcctcgtttc  | gcgaaccacg  | cggagattgt  | ccggcaccca  | gtgcgcggaa  | agagaccttc | 183180 |
| ccttttgtgg  | tgaattcatc  | ctcgggtccat | gagcccggca  | gttctctgtt  | gccgtagtat | 183240 |
| gccatgatgc  | gtccgttggc  | ttcgagattg  | gcccggtagg  | gattgagcag  | gcgcaccgca | 183300 |
| ttgtccttgc  | tgttgagggt  | cagaatcaca  | ttctttttgc  | gtccggtaag  | cgtgagattc | 183360 |
| atgacgatga  | acatggtgac  | ggtggatttg  | gccagctcac  | ggctccaaga  | aagcacctca | 183420 |
| aaccattcat  | cgtgtgcaat  | gatccgccc   | atagcctttt  | tctggaagtc  | ggcaaattca | 183480 |
| tatttggtcat | aattcggaaa  | aaagaacttg  | atccattcta  | tgggatgttt  | ctcaagatat | 183540 |
| tcccgggtgt  | tttcccgttc  | ggctgcccgc  | atgttcctat  | cgaccgggtg  | agcccttgcg | 183600 |
| atgtcttctt  | tgtacttctc  | ccaatcgagg  | agagcgagtc  | tgtcagtctg  | tttcattgtc | 183660 |
| tatcccttta  | taatttgtct  | ttaatgtacg  | catcgccag   | gcgtgtaatt  | tcctttgcct | 183720 |
| tttcgagggtc | ggccgcccgt  | accagtcga   | tgagcccgg   | gaggacactg  | atgatgtcgg | 183780 |
| caatgccac   | ttctgtctcc  | atgttgcgta  | tggccgcccga | cagtttccc   | aggatgtcag | 183840 |
| cctccttgga  | tgaggggaac  | cgttcccctt  | cgggcccgttc | ggcgatggcc  | ttgtttat   | 183900 |
| cggccacctg  | ccggtagagg  | ttagccacct  | gttcttgcct  | tgtgagcgta  | agccccacct | 183960 |
| tctgttcctc  | ccacttccc   | gcccgtacct  | agttggacac  | ggacaccctg  | gacacgcca  | 184020 |
| cccgtcggc   | gatttcctgc  | tgtgtgagg   | tttctttag   | gtacaaagt   | tttgccatt  | 184080 |
| cctttttctg  | ggcattcgtc  | aaatctgcca  | taaatcgctc  | tttttagttg  | taaatcacgt | 184140 |
| tacaaaattg  | catgaaaaag  | cggggtttgt  | aaaagcgcgt  | acgcatgatg  | acgggttaca | 184200 |
| gcgttatgat  | aacgccagaa  | aacgttatga  | tgcggacgcg  | gtttcttgg   | gccatgggaa | 184260 |
| tgttctat    | tcgcaccatc  | gaaaggcggg  | gaaaccgctg  | gtaaagacat  | gacgatgagc | 184320 |
| agatttttca  | atattacaac  | gagtgacgac  | ggcaccagta  | cgatattcct  | gtacggggac | 184380 |
| atcgagact   | atacgagggt  | gcaaagcggg  | cgcatagccc  | aggaactgat  | ggaagccgaa | 184440 |
| cgcgtgagcc  | gacgcatcca  | tgtgcgtatc  | aacagcaacg  | gcggggaagt  | gtacagcggc | 184500 |
| attgcgatat  | tcaacgcctt  | gcgccatagc  | caggccgaca  | tccgcattta  | tgtggatggc | 184560 |
| atagccgcca  | gcatggccag  | tgtgatagcc  | ctttgcggca  | agcccgtaga  | aatgagcaaa | 184620 |

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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
| tatgcccgtc  | tgatgctgca | cagtgtgagc | ggagggtgtt | acggcaacaa  | gcaggacctg  | 184680 |
| cagcggttga  | tggaagagat | agaaagcctg | gaaggcagct | tgagtgaat   | ctatgccgag  | 184740 |
| cggctgggca  | tgagcaagga | agaagtga   | cagacctatt | ttgacggcga  | ggaccatttg  | 184800 |
| ttgaccgcca  | aggaagccct | ggaccttggt | ttcatagacg | acatctatga  | tgcagacccc  | 184860 |
| gtgccggcag  | acagtacacc | ggcgagata  | tatactttat | tcaataaccg  | gctcgttgag  | 184920 |
| ccacaaaaaa  | acagagaaga | catgaatctg | gaagacgtaa | agaaacgcc   | gcgcttcaag  | 184980 |
| gactgcgcga  | gtgatgcgga | tgtgttccgc | ctgatggacc | aactggagga  | agaggcaggc  | 185040 |
| aagggtaccta | tccttacgaa | agagaacacc | gacctgaagg | ccaaggtgaa  | gacctacgaa  | 185100 |
| gacaaggctg  | aagccgaaga | ccttgccgcc | cgcaagcagc | tgcttgacgc  | agccgagcag  | 185160 |
| gacggtcgca  | ttgatgcgac | tacccgcccc | atctacgaaa | accttttggc  | caatgaccgc  | 185220 |
| gagaacggcg  | aaaaggccct | ggcccaactg | ccggtaaagc | gccgtgtgat  | ggaagacctg  | 185280 |
| tatctggaac  | cgaatggtga | agaaagcccc | tggaacaggc | gtatgcgaga  | aattaaggac  | 185340 |
| aaacgtaaaa  | agtgttgaa  | ctatggcaat | aattgtaaga | aacacgaatt  | acagcggcga  | 185400 |
| ggtactggaa  | cagttgctga | cgcttgccgc | tacgagcaat | gagattgttg  | aaaaggggct  | 185460 |
| gatcatggtg  | attcccggtg | tggagaagaa | aatcagcctg | ccgcgcctga  | agaccggcaa  | 185520 |
| gatgctccag  | aagcgcaagg | agaaccccg  | cgtggaggat | tcgaagggca  | acttcaacta  | 185580 |
| tgacgaaaag  | agtcttgacc | cggtggactt | catggccttt | acggtgttta  | acccccgcac  | 185640 |
| gttcgagaac  | atctggcgca | aatggcagcc | gaagggaac  | ctggtattct  | cggaacttcc  | 185700 |
| gcccgaagcg  | cagaacgccc | tgcttgccga | gttgccaag  | cggttacagt  | tcgaactggg  | 185760 |
| tgaccactat  | gtgaacggtg | aatatgggga | tgatgacgac | cacttgttta  | acggcatcct  | 185820 |
| gaccagatg   | gccaaggata | ctgaggtgat | tgtggtggac | agcgcagaat  | cgaccatgct  | 185880 |
| gggcagactg  | aaagccatgc | gtgcgaagat | tcccggtggc | atccgcaaca  | acccggacct  | 185940 |
| ccgcattctg  | atgagcgtga | acgactttga | caagtatgat | gacgagctga  | cccagcgcgga | 186000 |
| gtccaagaac  | acgagcgaaa | ccgatgtgaa | tgcccgcgcg | tacaagggca  | ttaccattga  | 186060 |
| gacgcttgcg  | gcctggcccc | atgatctgat | tgtgtgcacc | ctctgttcgc  | ccgatgccgg  | 186120 |
| cggcaacctg  | tttgcggtg  | tgaacctgca | ggacgatgaa | gacgtgattc  | agattgacaa  | 186180 |
| gatctcgaa   | gcgagcgaac | tgtacttctt | caagatgctg | atgattatga  | caagtaatat  | 186240 |
| gttatgtaaa  | gtgcgagtaa | aagttgggtt | ataatcaagt | tgttatgaac  | caacttgtca  | 186300 |
| cttacacttt  | acataatatt | atcaatgtcc | aagtcccttt | aaccactcta  | ataggttctt  | 186360 |
| atttcgttcc  | cactcttttt | ctgttatagt | attaggggtt | aatctgggtat | aggcattttc  | 186420 |
| aagtgcctca  | cgttttgctt | tggagtcggc | acgtgcataa | atatcagtag  | tctgtatgga  | 186480 |
| aacatgccct  | aaaatatcac | gtatgtatac | taaatttact | cctgcctgta  | aaagatgcat  | 186540 |
| tgctttacta  | tgtcgaatag | aatgacaact | tattttcttt | ggaataattt  | ctggttgctg  | 186600 |
| tttatgtgcc  | atgtctgcat | agattttcag | aatatacgta | ataccctctc  | ttgttaattt  | 186660 |
| ttcatgccta  | ccattgaaaa | ataaaggctt | tttcatcatg | ttgggatcat  | tcaaattggt  | 186720 |
| ttcttccata  | taactacgca | aatgtcaac  | ttgtgcttct | gccaagggga  | ctatacgggt  | 186780 |
| tttacgtcct  | ttccctgtta | atcgtatagt | gtatggtgtt | gtatcaatac  | gtacacaatc  | 186840 |
| tactgtgaga  | tctgcgattt | cctgtactct | tgcaccagta | tcgtacatta  | atgacaataa  | 186900 |
| tgctaaatga  | cgacgtcctt | tccatgaagt | tgtgtcaggc | tgtgccaata  | ataattttat  | 186960 |
| tccctccatt  | gaaagataat | taggagggt  | tatttctgtt | ttttttgcct  | ttatcgacaa  | 187020 |
| tatactttgc  | cattctacca | tattatctat | tactatata  | tggagatacg  | aacagaatga  | 187080 |
| cctgattgca  | gcaagtctat | aattacatgt | tgctgaagta | ttcttttttag | tattgtgaag  | 187140 |
| ccattgtaga  | taattgatga | cattatcccg | tgtaagatgt | ttcaatagaa  | gtcgttcaac  | 187200 |
| gggtattcca  | ttgatattct | tcatataatt | gatgaattgt | acgaaagaat  | cacgataaga  | 187260 |
| agcaattgtg  | tttttgctca | catttcggtg | atgtggcaaa | tattcagata  | aaaatctcgt  | 187320 |
| tagatatatt  | gcaaaatcag | tcctggtagt | cataatctgt | tgttattttt  | ggataaacia  | 187380 |
| aagcatattat | aggagaacac | tgtttttcaa | actccggata | catcatacag  | gtaagtcgta  | 187440 |
| catatttttc  | agtagatgaa | agagaacggt | gccaagaca  | tgcggaaggt  | attggtagcc  | 187500 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ctgtgtataa  | atccataaccg | ttatgtccca  | tttgtacaag  | cgaatgtacg  | gcaaaagtat  | 187560 |
| gtctcaagtc  | atggatacgt  | ggcccttgtc  | gatttcctat  | atatggtata  | ttgcatat    | 187620 |
| ttagcagttt  | atgaaaaaag  | acataaagag  | tacataccct  | gaagcttgtc  | ccgtctaatt  | 187680 |
| tagtaaaaaa  | cagatgattg  | ggatgagaaa  | ttttttctat  | aggcattcta  | ttccgatatt  | 187740 |
| ctatatactg  | ttttaacaca  | attaccatag  | attcaccaat  | aggaacaagg  | cgttcacatc  | 187800 |
| tgttttttgt  | cttgcgagga  | tgtatgtatc  | cagagtcaag  | attcacatcc  | tcattacgca  | 187860 |
| tatataaagc  | ctcgacaca   | cgcattcctg  | tgctataaag  | taatcgaaga  | atgactggca  | 187920 |
| tggaaatgat  | agctgttttc  | atacaattgt  | taaacaaacg  | gctgctatcg  | gcagctgtaa  | 187980 |
| acaattgaga  | tatttggtca  | tgtgtgtata  | tataaggtgt  | aaactccgat  | tttggttgct  | 188040 |
| ttggtataat  | cggatatata  | catacgcatc  | cattgicggca | catcaatgag  | gtcagttggc  | 188100 |
| gcaatacaag  | atatttgcca  | taaatagtga  | tctctttatc  | tgatatccgt  | gattttatgcc | 188160 |
| atctcttaac  | aaactcttct  | gttatatgtg  | gttcctgcaa  | tcctatggaa  | ttagcaaaat  | 188220 |
| catcaaattc  | tttaagtatc  | catcttacac  | gagaatcaac  | aataccatt   | gatttccgga  | 188280 |
| tttccaacat  | tcgtttaatg  | tatggagata  | aaacactact  | gtaattgaac  | tgttcagcca  | 188340 |
| taaaaatgctc | ctcctttctg  | cgtataaaaa  | ctatctggaa  | taggtggtac  | aggtaataca  | 188400 |
| catttcctta  | aagctacaag  | gtttatTTTT  | agataagtca  | tcgttggttc  | agtgttgcca  | 188460 |
| tgtccaagaa  | cttctgatat  | aataggcatg  | gtagcccat   | tttcaagcat  | attacttgct  | 188520 |
| aaggaatgcc  | gtaaagaatg  | aggaccatgg  | cgTTTTTTT   | caatatTTT   | accagacagg  | 188580 |
| cggattatTT  | tattgatatt  | accacaaacc  | atagactgag  | tggcagcaat  | atatggggca  | 188640 |
| cgacttgata  | gaaatatgTT  | ttgggaagta  | gatgctggac  | gtccatatct  | aagatagtct  | 188700 |
| attatggcat  | taccgacatc  | tgccaataat  | ggaagttcaa  | tggttttacc  | tgTTTTTTT   | 188760 |
| atcctcaatt  | taatgagatc  | attatcccaa  | tctatatctg  | agaacttcaa  | actcataatg  | 188820 |
| tctgaagcac  | gcaagcccaa  | tcttgatgct  | aataaaatca  | ttgcataatt  | gcgcttgccc  | 188880 |
| aaagcactac  | ttcgcgatac  | agaattttct  | ataaccttaa  | tctcttccgt  | tgtataatat  | 188940 |
| gatggtatgc  | gttctttctt  | tcgtaattta  | tatgtagcga  | agaattcctc  | aaatcgtcca  | 189000 |
| tctataatgt  | tctcttgctt  | ccaaaaaaga  | aagaggcatc  | gaataataga  | caaagtcttt  | 189060 |
| tcctgtttta  | gctgttgggg  | agaaagaaac  | cgtataacat  | gttctctgtt  | tatctgcttt  | 189120 |
| atatTTTgta  | ctccaatcat  | atctaagtaa  | tacaaaaaat  | tacccaaaca  | tgaacgatag  | 189180 |
| tgctTTtaacg | tattTTTgcc  | acggcgtaaa  | gaaatcaaat  | gtagaaccaa  | cttctccatc  | 189240 |
| tgTTTTccaa  | tagcaccatc  | aagagggtag  | aaagctgctc  | taacacattg  | ctttctaata  | 189300 |
| tatccgacag  | tcataatgtc  | attaagagca  | tgtatactac  | gtatcctttc  | acattcatga  | 189360 |
| ttactcatgt  | cttgatgttg  | agtggactct  | ataaaacttcg | cacctacatc  | aggtgtatac  | 189420 |
| atatcaatcc  | ctttgtccga  | catgtactgt  | aaaatgcctt  | ttgtccacaa  | acacttgtaa  | 189480 |
| tagtcaatag  | tgcccttcgc  | ataaccactt  | tcataaaaat  | aattgagaca  | ttgtcaata   | 189540 |
| agctTTTTtaa | tttctacttt  | ttccataaaa  | tcattcttta  | ataattagga  | tatatacaga  | 189600 |
| atgcaatata  | atgagaagtt  | tttatacgaa  | gggactaaat  | aaattcttta  | atattcaata  | 189660 |
| agtttgctca  | ctttataagt  | cttgcacttt  | acataacata  | ttacttggtca | taatcgtatt  | 189720 |
| tatgagtagc  | ttatcataac  | tatgaaggct  | gacacgaaca  | ttgccttcgg  | tgaagaagtg  | 189780 |
| gtggtgctgg  | acaagcgaag  | caaccccggtg | ttcaaggcga  | gcgagaagaa  | gatttcagtt  | 189840 |
| gaccctgcca  | gtgtgaccct  | tgaggcaacc  | ggtggcagtg  | aagaagtgac  | cgtgaccgcc  | 189900 |
| agcggagaat  | atgagatagg  | cagtgccctt  | gccggcttca  | aggtggaagc  | gacggataaa  | 189960 |
| ggcgtgaaga  | tttcggccgg  | tgcaaacagt  | ggcagtcaga  | aaaccggtac  | actgaccctt  | 190020 |
| acgctcaatg  | ccgaccgcag  | caagacggcc  | aagattacca  | ttacccaaaa  | ccagaaagga  | 190080 |
| taagatggta  | tggcaaaatt  | gaagtatctg  | gtaattcact  | gtacggcaac  | cccggagggg  | 190140 |
| cgtgaggtat  | catcggcgga  | catccggaag  | tggcacactt  | cgcccgtaag  | ccagggtggc  | 190200 |
| agaggttgga  | aacagggtggg | ctacaccgac  | ctgttccacc  | tgaggggcgg  | tgtggaacgc  | 190260 |
| ttggtgaaca  | acaacgagga  | tgcgaggtg   | gatccctggg  | aagtgaccaa  | cggagccaag  | 190320 |
| gggtacaaca  | gcgtgagccg  | ccacattgtg  | tatgccggcg  | gtgtggccaa  | ggacggcaag  | 190380 |

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|             |             |            |            |            |             |        |
|-------------|-------------|------------|------------|------------|-------------|--------|
| accccggaagg | acacccgcac  | cggctgccag | aaaaaggcac | tggagaagta | tgtgaaggac  | 190440 |
| ttccatcgca  | gattcccgga  | tgtgcgcatt | gtgggacaca | acgagctggc | ggccaaagcc  | 190500 |
| tgccccagtt  | tcgatgtaca  | gaaatggctg | aaagaaatag | gtattaacca | ataataaaag  | 190560 |
| aagcaatcaa  | tgaacgaat   | tatgctgttt | atgatgctga | tgctgggaac | agtatcggct  | 190620 |
| gtgatggccc  | aaggggcccga | tgttccggca | acggactatg | acgcaatgat | tggcaccttt  | 190680 |
| gccggtttcg  | tcggcgggtg  | ggtggtgctt | actgaagggg | tgaaagggtt | gttccccaac  | 190740 |
| atgaaaggct  | gggtgacgca  | gctggtgagc | tggtgtgtgg | gcctggtgtg | cgcgatgcta  | 190800 |
| ctgtggtggc  | ttgatgccgg  | atttgtgagt | gatgtgagct | gggacattgc | cttgctctat  | 190860 |
| ggttttggtg  | cctcacttgt  | agccaatggg | gtagccgaca | cgggactggt | gcaatgggtt  | 190920 |
| atcggactat  | tccgaaagaa  | acgcgaggaa | gcagaataaa | aggttgactg | actaaaaaac  | 190980 |
| gggtggtatg  | gacttttagcg | agatcatgaa | cattattctt | agcggcggcc | ttgtgggcac  | 191040 |
| tgcagcagcc  | atcggttccc  | tgcgtgctac | ggtgaggaaa | gcgaaagcgg | aagcgatgaa  | 191100 |
| agccgaagcc  | gacgcagagg  | gtgtgctgtg | ggataacgca | gaacatgcca | cccgcgtttt  | 191160 |
| ggtgagcaat  | atttgtgtac  | ccttaaaaga | agaactgaat | gcaacaagaa | aagacctgca  | 191220 |
| ggctaacaag  | cgcgaaatgg  | cgcgactgcg | caaggccatt | gacactgcca | acagttgccg  | 191280 |
| ccatcatgat  | gactgtcctg  | tgcttgccgg | gctgcgcaag | cagcaggaag | agcacgacgg  | 191340 |
| tggagaagac  | acagacggaa  | acggcaagcg | ccgacagcgc | gaacggaagc | cgacgggccc  | 191400 |
| gactggtgat  | ggcggggata  | ccggcgagtg | cggtgaggct | gaccataccg | gcggacagcc  | 191460 |
| tccgtaagct  | tcctgaaggt  | gccgtgtacc | gtggcaagag | cggacaggcc | aacctgacgg  | 191520 |
| tagggactga  | cggcaagggg  | aaccttgttg | ccgaagcctc | gtgtgacagc | ctgcagcagc  | 191580 |
| tggtgctgtg  | gtatgaagaa  | gagctgacac | gcacccggag | cgagaccagg | aacgaaactt  | 191640 |
| cgaatgacgt  | tcaaacggta  | gaaaaacgcc | ctccgaaccg | gatgcggacg | tttatcacag  | 191700 |
| gtatatggc   | cggcttggtg  | gccggtgtgt | tattaacat  | caaactgaaa | aaacgatgaa  | 191760 |
| caagaatttt  | atgtacggcc  | tcggtgccgt | aaaatacaag | gattttgtag | tgggttatat  | 191820 |
| cgagaaaggt  | tcgtttgacc  | tgggcgggca | gaagcccag  | gctgcgaaga | tcgaggcgga  | 191880 |
| acagggtgcc  | ggagccccgg  | tgctgattat | tcctcagagc | aacggcagca | tcgcgcccac  | 191940 |
| attcaacgta  | atcaagatgg  | actacaagaa | cctgcatgcc | ttgctgggcg | gatcgctgca  | 192000 |
| ctacaagaaa  | gaggacagcg  | agaagaatac | ccccgttggc | tggactgccc | cacaggccgc  | 192060 |
| cattctgatg  | cagggaccgt  | gggaactcag | cctggtgtcc | ggacagagcg | tgctgatacc  | 192120 |
| gaacggcacg  | ctgctttcca  | atctgggcgg | caagctgacg | cttacggaaa | cggccaagat  | 192180 |
| agaatgcacc  | cttgagggtg  | ctgttccgga | agacggttcg | cagccttacg | gcgtgttcga  | 192240 |
| tacggaagca  | ataccggacg  | agtgggagca | gtacaagctg | ccagcagcgg | aagccgcggc  | 192300 |
| tgcagcatcg  | ctccaaagcg  | aggagggtca | acgcatggca | gaccggctgg | aacgactgat  | 192360 |
| agagatggag  | tgtgcggacg  | cactgctgga | cagcggcgtg | tccgttcctc | ttaaaagggtg | 192420 |
| gaagcttccg  | tggctgaaac  | gcccggtgga | ggtgcgtgtg | acgatgaagc | gtccgaggct  | 192480 |
| gcggggtcag  | attctgctgg  | cgcgggaata | cctgaagatg | ggtgtcaaat | ccgactggca  | 192540 |
| accgaaggac  | aagaccgagg  | aactggcctt | tgtagcggaa | cacggtaatg | ccgtgagccg  | 192600 |
| tctgctggcc  | tatacggtat  | gccggggcta | cgtgtcgcgg | cacgtgggta | tcgggggtgac | 192660 |
| ggcatgggtg  | ctgcggaact  | ttgtggagtg | gcgctatctg | acggccatgt | tccggacatt  | 192720 |
| cgagcgtctg  | atgggcacga  | aggattttat | gcgtattatc | agctcggcgg | cgcgggcgaa  | 192780 |
| cccgatgacc  | ccgagactga  | gccgggcaag | gatggggagt | taagaaccgg | gtatgagggt  | 192840 |
| tcccatagcc  | ctttcggctt  | cgtgtggcag | atagcgagtg | cgacgggctg | gagtgtggac  | 192900 |
| tacattctgg  | acgggggtgaa | ttaccagacg | ctgatactga | tgctgagcga | cgcgccgcgg  | 192960 |
| tatgtgcgga  | aaaagcaagg  | cggcggaaac | gatgattcca | gaccggaaca | cagcgccgag  | 193020 |
| gatgaagcga  | acgatatagt  | aggatttttt | caaagcaaac | tggaatgagc | aaacctgtag  | 193080 |
| aagttgaatt  | tttgatgaag  | gacaaactca | cgcccggcat | gaacaaggcc | gagcgtgagg  | 193140 |
| cgctggaact  | gcgtaatacc  | gtcagactgc | tggaggctga | actggaaagg | ctgcgccttg  | 193200 |
| ccggggagac  | ggctgcccc   | aatctggacc | agagtgccaa | tatcgcgcag | atccatgcac  | 193260 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| tggagaagca  | gcttgaggaa  | ttgcgcggca  | aactgaaact  | gctgcaggag  | gaatcggaa   | 193320 |
| ccgtgcaggt  | cacccctgca  | gacatgccca  | atgcacagcg  | ccagttcaac  | gggcttcaca  | 193380 |
| acagcatcca  | gcagatggcg  | cgtgaaatgc  | cttctttgac  | catgggaccg  | cagatgttct  | 193440 |
| ttctggccat  | atccaacaac  | ctgccgattt  | ttacggacga  | actggcccgt  | gcccgcgaagg | 193500 |
| aatacgaatga | gctgcagaag  | tcaggcaaga  | aaggcacacc  | ggtatggaaa  | caggtcctgt  | 193560 |
| cctcgctctt  | ttcctggcag  | acggccatga  | ccaccggcat  | catgctgctg  | gtaatgtacg  | 193620 |
| gtgatgaaat  | ctgggattgg  | acgaaaaacc  | tgttcagtgc  | caaaaaaggc  | gtggatgaat  | 193680 |
| tcaacatatc  | actcaaggaa  | atgactgaga  | tagagaagga  | cggccgtgcc  | cagatggtgc  | 193740 |
| gtacccgctt  | cgaactgaaa  | tcggtcatcg  | acgagataaa  | gaacttcacc  | ggcagcaagg  | 193800 |
| aacaggaaaa  | ggcgaaggta  | gaggaactga  | accgcaagta  | cggggaatct  | ttcgggtatt  | 193860 |
| ataaaacact  | ttccgaatgg  | tatgataccc  | ttatccaaaa  | gagcgaggac  | tatgtacagg  | 193920 |
| tcctgctgca  | ccaggccaat  | gtccagaacc  | ttgtaaaaaa  | agctgcagaa  | gccgatgaag  | 193980 |
| aggtgaataa  | aatcaaggcg  | cagaaaccgg  | aagaggcgga  | aagcgccatg  | ggctttttcg  | 194040 |
| ggaaattggg  | acaatatatc  | atgcagtcaa  | ccatggcaga  | atccgggcag  | ttctatgacg  | 194100 |
| cacaggctgc  | catcaagaaa  | catgatcagg  | aagcttatga  | catactgttg  | aaaaatgccg  | 194160 |
| aaaacaaacg  | cgacggttat  | ctgaaaaaag  | cggaggaaga  | gctaaagaaa  | gcggcagaag  | 194220 |
| cagccaaaaa  | aggaaatatc  | ggcggacata  | ccgaccccgga | acagtccggg  | aagaatccgg  | 194280 |
| aagcggaaagc | caagcaacgg  | cttgccacag  | agcgcagggt  | ggcgcaggat  | cttgccgccc  | 194340 |
| tgcaggacga  | gaaccggaag  | gaagagatag  | accgtatgca  | agccggtacc  | aagaagaaac  | 194400 |
| tggcacaaat  | cgaatatgac  | tataacgcc   | ggaaagaaga  | gataaacggg  | caggaagccg  | 194460 |
| actggaagcg  | tgagaacaag  | gaagccggtc  | tttccaccgg  | agataacgga  | cttaccgggg  | 194520 |
| agcaacagga  | tgaacttgaa  | aaagcccgtg  | cctcaaatac  | cgcgtcccgg  | aaaaaagcgg  | 194580 |
| aggcggacgt  | gtacagggaa  | gaggcggaa   | ccatgcgtga  | ctatctgaag  | gaatacggga  | 194640 |
| ccttccagca  | gcagaaactg  | gccatcgctg  | aggaatatgc  | cgagaaaatc  | cgcaaggcac  | 194700 |
| agtcccaggg  | cgaaaggctg  | actttggaga  | agcagcgtga  | tgcggtctgtg | cacaaagtgg  | 194760 |
| acatggaagc  | ccttaccag   | aagatagact  | ggggagcagc  | gttcggagat  | ctgaccgggtc | 194820 |
| tgcttgacga  | ccagatgaag  | aacctgcttg  | gtgaacttaa  | acagtatgtc  | aagacggatg  | 194880 |
| agttcaaaaa  | aacgggagcc  | gcagaccagc  | aggtcgttta  | cgatgccatc  | gaacggattc  | 194940 |
| aaagcatgct  | ccccgggtggc | aacgggacat  | tggattttgc  | ccggctgcaa  | acgcagatgc  | 195000 |
| acgctttggg  | ggatgccgta  | acacgcgtgc  | aaaatgcgga  | actgcagcag  | gaagcggcat  | 195060 |
| tcgcccgggt  | aaaagcggcg  | cagaccgatt  | acaacaaggc  | tcttgaaagc  | ggtaaccagg  | 195120 |
| cagaaataga  | acgtacaaa   | atcgctcttc  | aaacggccca  | atcgctccagc | gtttcagctg  | 195180 |
| acgaagaata  | cctgaacgcc  | acctctgaaa  | tgaaggcgct  | tgccggggag  | gtgaaaagtg  | 195240 |
| cctcccagga  | cacggttgac  | gggttgaa    | tggtatccga  | cgggttgac   | ggctttgcga  | 195300 |
| gcggaacctt  | gcagggatca  | tttgaaaggaa | tccggaacat  | gcttaccggt  | ctttcaaaac  | 195360 |
| tgaatatcgg  | aggcaaggtc  | ggtgatgcca  | tcagtcagat  | gtccgagacc  | ctgtcaagtg  | 195420 |
| ccggagtcac  | cgggcagatc  | ataticggcca | tcctctccat  | actggatttg  | ctgaaagacg  | 195480 |
| gtattggccc  | gattatctca  | tcattgatag  | acaccatttt  | caatgcgata  | accggaatac  | 195540 |
| tcgacaatat  | cctcagcgga  | gacctgttca  | aacagatagg  | cggttccctt  | gtgaaaggta  | 195600 |
| tcgggggatt  | gctgaatacg  | gtgtctttcg  | gaggtttcaa  | caaactgttc  | ggcatcggcg  | 195660 |
| ggaacgccag  | ggaagtgcag  | gcggctatag  | accgtcttac  | ggaccggaac  | gaaaaactgc  | 195720 |
| agacttccat  | cgaagacctg  | accgatacca  | tcaaggcaag  | caaggggaca  | aaatcggtgg  | 195780 |
| cggcttaccg  | cgatgcgtac  | aagatgcagc  | aggaaacgaa  | ttcgaactac  | ctgcagatgg  | 195840 |
| ctatggcgca  | agccggctac  | cacggaagcc  | accacagctg  | gaactactac  | tggggcggt   | 195900 |
| tcagccaggc  | acagatagac  | aaactgagcg  | ggcagattgg  | ccgccagtgg  | gacgggaacc  | 195960 |
| tgtggagcct  | gagcccggag  | gagatgaagg  | cactgcgttc  | gaatgtggac  | atgtggacgc  | 196020 |
| aaattcagaa  | caccggcaag  | ggcggctatg  | gcgggcgact  | gaccgagaag  | ctggatgact  | 196080 |
| acatagacca  | ggccggcaag  | ctggaggaa   | tgaccgacca  | actgtatgaa  | gggctgacgg  | 196140 |



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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gcatttcgtt  | cgacggatatg | tacagcagct  | tcatcgataa  | tctgatgaac  | atgaagtacg  | 196200 |
| gtgccaaagga | tgccggcggag | gatataatctg | agtacttcat  | gaaagccatg  | ctgagtaaca  | 196260 |
| agatcgggtga | gcagtacagc  | gagaaactga  | aaggctggtg  | ggagaagttc  | ggcaaggcca  | 196320 |
| tggaggacaa  | cgaactgacc  | gaggcggaaac | ggaacgcgct  | gaccgaagag  | tacatgcagt  | 196380 |
| atgtggacga  | agcccttgcc  | ctgcgtgaca  | acctggcggc  | agccacgggc  | tacgacaaga  | 196440 |
| ccgaagccgg  | cggcaccagc  | cagagtgcga  | aagcgggagg  | ctttacggcc  | atgacgcagg  | 196500 |
| accaggggac  | gaagctggag  | ggcatgttca  | ccagcgggtt  | gcagcactgg  | agcagcatgg  | 196560 |
| atgaccggct  | ggaaagtgtg  | gcggagaaga  | tggacacggc  | tgaaggccac  | ctggcccggga | 196620 |
| tagccgagaa  | caccggtgtg  | agcggcggac  | acctgggcga  | actgaaggaa  | gtgataaaga  | 196680 |
| aaatgatacg  | tgacggacta  | aaagtgaagt  | gatatgggca  | atatactgag  | cggactggtg  | 196740 |
| ctggtgaacg  | gcacggacat  | ctggacggaa  | tacggcgtgt  | tcctggtgga  | agaccggcgc  | 196800 |
| ggcggcatgg  | agaacctgac  | ggccatcctg  | accccagca   | aggccaagaa  | ggataccgcc  | 196860 |
| gtggacatac  | gggaagagga  | cggtgagaaa  | tactctgcag  | ttcttaacc   | caagaacgag  | 196920 |
| gcgcgggacg  | tgacgtgca   | ctttgccctg  | tacaacaaga  | cccaggcagg  | ctggatgaag  | 196980 |
| cagtactttg  | cctttgtgaa  | tttctgaag   | cggggaaagg  | acggctggct  | ggagatccgt  | 197040 |
| tttccccagc  | tggacctgca  | actgcgggtg  | aagtatgccg  | actgtacgaa  | gtttacccccg | 197100 |
| ctgacctatc  | tgtggacgga  | aggcgtgcat  | gccggaaagt  | tccgggtaaa  | gttccgggaa  | 197160 |
| ccgaaaccga  | ttatataacc  | attcaaaccg  | tattagaata  | tgcttctaac  | gatatatgac  | 197220 |
| aaagccggga  | acaagcgtgc  | ggatgtggcc  | gtgaacgaca  | gctcgacgca  | aagcaaggag  | 197280 |
| gtacagggag  | acaatgtgct  | ttccctatcg  | ttcagctact  | atgattttct  | gcccctggac  | 197340 |
| gtgaacgact  | acacggacta  | tctgggcgaa  | cggtagctggc | tgacggaacg  | ctacacgccg  | 197400 |
| aagcaggtga  | acgagggcga  | gtgggactat  | gacctgaaac  | tgtacggcgt  | ggagagcctg  | 197460 |
| atcaagcggg  | tcctggtgct  | ggagacgacg  | gacggggaca  | cgaacccttt  | gtttaccctg  | 197520 |
| acagccatgc  | cccgcgagca  | tgtggcgtatg | gtggtgaaag  | caatcaatga  | cggcatgggc  | 197580 |
| cacattaccg  | actggaaggt  | gggtacggtg  | gaaggtacgg  | agctgattac  | gatagactac  | 197640 |
| gaggggatgt  | actgcgacga  | agccctgaaa  | gccattgccg  | aaaaggccgg  | cggcaagggtg | 197700 |
| gaatggtgga  | ttgaggggca  | gacggtgaac  | gtgtgccgct  | gtgaacacgg  | ggaagaaatc  | 197760 |
| gccctggggg  | acggcaaggg  | gctgacctcg  | ctggaaagag  | acaccggcaa  | cacggctaag  | 197820 |
| ttctacaccc  | gcctgttccc  | ggtaggttcg  | acccgcaaca  | tcgatgcgga  | gaaatacggc  | 197880 |
| agccccgaggc | tgatgcttcc  | cggcggcaag  | aagtacatcg  | agcaagggtg  | ggaggaatac  | 197940 |
| ggcatctatg  | accattacga  | acaggatgcc  | ttcagcggta  | tctaccccca  | ccgggtgggt  | 198000 |
| acggtgagct  | cggtagcgag  | cgaggaggtg  | acggacgagg  | aagggaacaa  | attcaccatc  | 198060 |
| tattacttcc  | gggacgggga  | actgaacttt  | gaccccaacc  | tgtacgagct  | ggccggcgag  | 198120 |
| accaaactgt  | tgtcgttcca  | gacgggtgac  | ctggccgggc  | tgggagaaaag | cgatgaccac  | 198180 |
| tactttgagg  | tgaactacga  | cagtgcggca  | agggaaatttg | aactgattac  | catctggccc  | 198240 |
| tacgatgacg  | acacccagct  | gccgggcggc  | aagctggtgc  | cccagacagg  | cgacacctat  | 198300 |
| atcctgtgga  | acatccggat  | gccggatgag  | tattaccggc  | tggccgaaga  | ggaattttgcg | 198360 |
| gcagcgggtg  | aggagtacaa  | ccgggaccac  | tggctggaca  | ttgccgctta  | caaagccccg  | 198420 |
| acagacccgg  | tgtacatcga  | ggagcacggc  | atcgacctgt  | ttgtgggcag  | acgggtgaaa  | 198480 |
| ctggagagcc  | ggaagtattt  | cccggaaaaa  | ggctaccggc  | agagccgtat  | caccagaatc  | 198540 |
| agccgcaagg  | tgaacgaacc  | cgggcagatg  | gacatcgaga  | taagcgatgc  | gctgcagggtg | 198600 |
| ggcaagtctg  | acaaggtgac  | ggacagcatc  | ggttcgctga  | aaagctatac  | gaaatcaaag  | 198660 |
| atggaaggcg  | ctgcccttcc  | ggacatcata  | cgaagctggg  | acaagacgct  | gccacgggac  | 198720 |
| aacaacctgt  | tttccgcccc  | gcgcagccaa  | aaggagtttc  | tgaacaagaa  | ccagccggac  | 198780 |
| acagccaaaag | agcccatccg  | ttttctgaag  | ggtgtgagtt  | ttggcgaggc  | tgccggcggc  | 198840 |
| aagccctgcy  | gcagcgtgga  | cggtaggggc  | aatgccgagt  | atctgactgc  | cgtgatccgc  | 198900 |
| gaactgctgc  | gcagcacaga  | gtttgtggac  | gggctgaccg  | gtgagggctg  | gcagctgtgg  | 198960 |
| attgaccagc  | tgaccggact  | gacgaacttg  | acggtggaca  | aagtgactgc  | ccggcaaagt  | 199020 |

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|            |            |             |             |             |             |        |
|------------|------------|-------------|-------------|-------------|-------------|--------|
| ctggtggcgc | tggaactgct | gattgagcag  | gtgcgacg    | tgtgcgcca   | gctggtggtg  | 199080 |
| tcggcagcca | acggcaagat | caaagacgtg  | gtgaagcagg  | gcgacaacta  | ccgcatcgtg  | 199140 |
| tttgagcagg | aatcggtttt | tgtggcccat  | gacctgatgc  | gctgtgcggt  | tacaggcgga  | 199200 |
| acaaaactca | aatcctactg | ggtggaggtg  | tcttctgtaa  | tagccgatgg  | tgtgctggtt  | 199260 |
| ccggtaaagc | agtttggcgg | ggtgaagccg  | gaggccggcg  | atgaatgcgt  | gctgatgggt  | 199320 |
| aacacggaaa | acccgctccg | gcagaacctt  | atatccattg  | cggccacgga  | ggacgggcag  | 199380 |
| ccccgtatag | acattctgga | cgggtgtgaag | gccaaagaact | tcaacggctg  | tcttcggttc  | 199440 |
| cggcttggtg | agctggacgg | catcaagagc  | agcgctttcc  | cggcagacaa  | acagccgaaa  | 199500 |
| ggaaacggcc | tgtatgccga | caacgtgtgg  | ctgaagggtg  | cgttcgtggt  | gatgacgggc  | 199560 |
| gaggacatcc | tgactcgttt | tgaataaact  | gaaggaaaaa  | tccattcagc  | cgtggaaagc  | 199620 |
| ttgcgcaagg | aaatacgcg  | agaacagagc  | tatctggaca  | acagcagttt  | tgccgacggc  | 199680 |
| atggacaaat | ggaagacggg | cagcaaggct  | acgctgttca  | cccttggcgg  | acgctggatc  | 199740 |
| tgggcgaacg | gcggtcctta | cggcacgaag  | ccggacgggc  | atgccgagat  | acggaccgac  | 199800 |
| ggcaaggtgc | cttatgccta | tatccggaac  | agctatatca  | tgcagaaact  | ggaggacttc  | 199860 |
| cggctggtac | cggagtaccg | gcagacgaac  | agccagggcg  | aacgggtgcc  | cggcgtggtg  | 199920 |
| tatctgtcct | tcagttaccg | ggtcatcaag  | gccggacggt  | tgaataatcga | atttgtgggt  | 199980 |
| gctgacaaga | ctgggtttga | aaacttcaac  | atgttcggcc  | atgaagaaga  | cctgcccgtt  | 200040 |
| ggcggcgaga | agatgttcac | gctggacggc  | ctttggaacg  | gtacgggaga  | cttcaagctg  | 200100 |
| tcgtttacgg | gcgtgattta | catttcgctg  | ctggtattct  | ctaccaacaa  | ggcggacgca  | 200160 |
| ctggcctata | agtaccgtac | actgttcgaa  | cagagcgacc  | ggctggtaaa  | gatttcagcg  | 200220 |
| gcggtgtttg | acaaggacgg | ggctgcattg  | aaagaaaccg  | ggctggtggt  | gaagccggag  | 200280 |
| ggtgcggggc | tatatgccca | ggatgccagc  | ggcaaggtag  | cccttatttg  | ggtcagtgtg  | 200340 |
| gaagatacgg | acgaacatgg | caacccagtg  | agcaaaatca  | agctgacagc  | cgaccatata  | 200400 |
| cagctggagg | gactggtaac | ggccaacggc  | aacttcaaga  | tactggaaga  | cggcagcatt  | 200460 |
| gaaacgacca | acggtaaagt | taccggagag  | atagacagca  | gcaaagggaa  | aatcggcggc  | 200520 |
| tttgagatag | ggaacggccg | tatcggttct  | gtggccgact  | ctcacgggag  | cgggtggcgg  | 200580 |
| cttgccattt | atgatgattt | tttccgtgtc  | ggcggcagca  | aaggatatgt  | gatgttcggt  | 200640 |
| gatgatgtga | taccgtcttc | tgcaggagga  | gcttttaccg  | ctgtcggctg  | tatcgtgaac  | 200700 |
| tcagccccc  | atatatacgg | gaattacggc  | ttcgaccaag  | cgaactatgg  | attgtttata  | 200760 |
| gatgttaccg | gcggtacgaa | gaactacggg  | atcagcagca  | atgcggcatt  | acttgccccg  | 200820 |
| gcgtttatca | atacgaaagc | caagctgctt  | accttcggaa  | gtggaaacta  | cacggtggat  | 200880 |
| ttctcacaac | acaatatcat | tttgatgtat  | tacaatgaac  | ccaactacag  | taatgtagag  | 200940 |
| gttacgctgc | cgtcggaag  | ttctgtggca  | tacaagttcg  | gcatgagtta  | cttgccctacc | 201000 |
| gattttgcag | ccattgtcac | gttcagggtc  | agaccgggtt  | caaagaatat  | cataactaaa  | 201060 |
| ggtatctata | accacaatga | agatttgcaa  | aactacgaga  | tggcatccgg  | ggactccgta  | 201120 |
| acggtactta | ttacaaaagc | ggacggattc  | cgttaccaga  | tattgaatca  | ttcatcctaa  | 201180 |
| aaaacagata | tatatgaaga | agttagattt  | caggaatttc  | agcgttccca  | ccggaataac  | 201240 |
| ccgtcagacg | agggaggttt | tcgatgcacg  | tgagcagata  | gccgatttgc  | tgtatacgcg  | 201300 |
| tgctagtggc | atcaaggccc | atcggcttgc  | gttcaagatt  | ttcgagagta  | ccggcgagac  | 201360 |
| cgagttcagc | gatgaggaaa | ccgggatgat  | acacatggcg  | gtggaacgct  | attgtcttcc  | 201420 |
| caatgtgata | gatgccctga | acgaaatcct  | ggcggggtca  | gaaaccgata  | aaaacgaatg  | 201480 |
| agtatggcag | aaatgacgca | agaagaaatg  | gttcaggaag  | tgctggaccg  | tgtgctccag  | 201540 |
| tcctctaccg | gtgtggagga | tctggaaacc  | gtcacctcgc  | tgaacggtgt  | gaaatcactg  | 201600 |
| cccgccgaga | aggacggaaa | gatggtgaac  | gtccccctgg  | aactgatagg  | ggaacctgcg  | 201660 |
| agcgatgccg | ccgcccgtgc | cgaggctgcc  | gccaaagaa   | cgggaaggagc | cgtagccgga  | 201720 |
| ctggaggaaa | agaccagggc | cgccacggaa  | gcggccacca  | aggccaacga  | agcggcagcc  | 201780 |
| aaggcagaaa | atgccgcagc | caaggtggaa  | catactacgg  | cagcagccgt  | cggcggagct  | 201840 |
| accgcacgct | tttcctcatg | gatggaaaca  | ggcaatgtct  | tgccctgacaa | aagtaccaag  | 201900 |

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|             |            |            |             |            |             |        |
|-------------|------------|------------|-------------|------------|-------------|--------|
| ccgggcgga   | acgtggtgta | tgtggccagt | gccaggaaat  | ttgcctacca | catggactcc  | 201960 |
| accctgtacg  | gggactggga | cgtggcgga  | gtacccctg   | ccggcatgtt | catggatgcg  | 202020 |
| gaccggacag  | ccatcctgcc | ggacaagctt | tacctgctgg  | gcgatgccat | atataccggc  | 202080 |
| acgggagggc  | ctctgaaact | tctggcctac | cggcatgagg  | tgatgagcga | ggaagcctat  | 202140 |
| gaggcactgc  | cggacaagga | tgcgaatacg | ctgtatctga  | tatatgagga | ggagtgcga   | 202200 |
| tgataaccaa  | aggcggtaaa | gaaataacgg | ctgcgtatgt  | gggaaaacgt | gccctgtcgg  | 202260 |
| ctctctatgc  | cggtgcaagg | ctggtatggt | ccgcaatcag  | cagctgcttc | ggacttggac  | 202320 |
| actggaaagg  | cgacgagcca | tggaaacggg | cggacgcatg  | gaacggtagc | agtaaaactg  | 202380 |
| ataaatgaat  | gattattata | aaaggacagt | attatggcaa  | aaaggaaaat | aagcgggaatc | 202440 |
| atcaatgcga  | ctgaacatcc | gatgaatctt | gaaacaccat  | ggaaccagaa | acagccggac  | 202500 |
| ggcacctatc  | atgcctatgc | aggcgatgac | atcgaagcgt  | tcctgaagaa | ggaactgtca  | 202560 |
| aaccgtacc   | ctaccgagga | actggtgagc | ggcgagacga  | aacctcctac | atccggaacg  | 202620 |
| gtgttcgatg  | cgatggtggg | tacggtgacg | gacgtggatg  | tgcaggacag | cgaggacggc  | 202680 |
| accagtagc   | tgatgaccgt | caagcagaag | gacaaccagg  | gcggcgagag | ctcgaaggaa  | 202740 |
| gtgcgctttt  | ccaagtacac | ggatgacgac | aaggtggtgg  | tgaacatcga | cctgacggac  | 202800 |
| agcgtggtg   | cgggacttcc | cgcctcgcag | tatctggcac  | tgggaagcgg | ctttgtggtg  | 202860 |
| aaatactccg  | tgggcgtggg | tactgccggt | ggcgtacgg   | tggacggcta | cagcgacctg  | 202920 |
| aaagcccgcg  | taatcgtgaa | acgtggttcg | accgtcatca  | gtgagtccg  | ggatgcggag  | 202980 |
| tttgtggcg   | ttacagccgg | acagagctat | acctttgacg  | cttcgcccta | cctgaaggat  | 203040 |
| gccactgcct  | ataccgtaca | ggtggaagcg | caggcaactt  | accaggacgg | cacgctgatg  | 203100 |
| aagacggcca  | ctgccaaggt | gaccatggtg | gccatggagc  | tggagaccac | ctactcggcg  | 203160 |
| ggcaacgggc  | tggccgacgg | gggatataaa | aatgacgtga  | acatcccctt | tactgccaa   | 203220 |
| ggcacgagcg  | gtgagaagaa | catctactac | cgcgtgaacg  | gcggacaggc | ctttaccctc  | 203280 |
| ggtctttcgg  | ccggcagcgg | tgtgcagcag | agaacgtga   | ccatcccctt | gacacagatg  | 203340 |
| caggagggtg  | cgaacgtggt | ggaagcctac | gcgcagcatg  | agaactccgg | tgtggtgagc  | 203400 |
| cgggtgcatt  | acattacgct | gctgaaggca | ggcggagggtg | tgacagcgta | tgccggcctg  | 203460 |
| atgttcagcc  | accgggcagc | ggggttccag | cgtgactgga  | aacaccgggt | gctggaggca  | 203520 |
| gagcagttca  | cggcatggaa | cttcacgtat | gccggctatg  | accgcgatgc | gtacacggcc  | 203580 |
| cgtgtgaaa   | tgaccgaccg | gggcagcgtg | gtgaaggaag  | acctgctgca | acgcggtgag  | 203640 |
| accggcagct  | acggacggac | gaacgtgaac | gtggaaccgt  | tggactaccg | tgtgtcatgc  | 203700 |
| ggcgatgccg  | tgcttgagg  | gcaggtgaac | accacatcgc  | accgggacat | tgaagccacg  | 203760 |
| ctggcaccgg  | atgccgtgtg | tacgtttgac | gccttcgggc  | gaagcaacac | ggaaaacaac  | 203820 |
| ccggcaagct  | gggtgagcgg | tgacaagcgt | atggagtcc   | gggacgtgct | gtggagcgtg  | 203880 |
| aacgaatatg  | gtgccggtag | cggctggcac | aaggaccgcc  | tgctgctggc | cgggtggtgca | 203940 |
| ggtatgacc   | tgaccgctga | cggcggttac | cgcccttca   | acgaggcgga | caagcccag   | 204000 |
| ggatttgcca  | tccgtgacgt | gggcatgacg | ctggagatag  | aatacagcac | ggccaacgtg  | 204060 |
| acggatacgg  | atgccgagct | gatcacctgc | ctggggcagc  | tggacaacgg | aaatcggtag  | 204120 |
| gggctgattg  | tgaccccgga | agaggccaag | ttcctgaccg  | gtgtggtgac | cgaggcgatg  | 204180 |
| gatgccggac  | aggtgctgcg | ctatgaagac | tcggtgggta  | ccaagttcga | gccgggcacg  | 204240 |
| aatatccgta  | ttacctacgt | gttctatccg | aacgtgcaga  | ccaatgaaca | gcgcacgctg  | 204300 |
| atcggttct   | atgtcaacgg | tgaggaaagt | gccgcctcga  | agtggctgga | caaggtaaat  | 204360 |
| tttgacatcc  | agagccagct | ggagttcaaa | tcggcagggtg | ccgacctgaa | cgtgaagagc  | 204420 |
| gtgcgtatct  | ataacaaggc | gctgacctcg | gacgaggtgc  | tgaacaacta | catcgtggac  | 204480 |
| cgcaaccacc  | tggaggatgc | cgacggggaa | ccgggcgtgc  | gctcgctgga | tgaggacaac  | 204540 |
| cgcggtgctga | acgaggggga | cacggtgagc | atggagaagc  | tgatggggct | gatgaagaag  | 204600 |
| cgccggaaact | cgatcctggt | actgatagc  | acgggcagcg  | tgggcagtga | ggttccgagc  | 204660 |
| gagagcgaca  | cgctgaacgt | ggtggatgca | ctggcccagc  | tgaacgacaa | gaaggccaac  | 204720 |
| aagctggtaa  | gggaggtccg | tttctataac | ggagaggaca  | ggacgcttga | ctttatcctt  | 204780 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| accaacgtat  | atgtccgtat  | tcagggtact  | tcttccgtga | actatgccag  | aaagaacttc  | 204840 |
| cgtttctact  | tccagaagac  | ggcaagcggc  | tggacggtta | cattgagcta  | cggggagatt  | 204900 |
| gacggaaacg  | gcaggcagaa  | gaatccggtg  | gtaactaccg | gcaagaaaaa  | tctcttcaag  | 204960 |
| ttgcgcagga  | actccgtagg  | cgcaagctg   | gcatgttcca | aatgcgactt  | ctcggactcg  | 205020 |
| tccatgacca  | ccaataaccg  | tgggtcgaag  | cttatcaatg | acggactgaa  | agagatgggg  | 205080 |
| ctgcttactc  | ctgcccagcg  | ttacgccaaa  | gaccatgggc | tggaggatga  | ttaccgttcg  | 205140 |
| gctatcgacg  | gcctgccgtg  | cgacctgttc  | gtagcgaaga | gtgttgatga  | agacctgacc  | 205200 |
| tattacggcc  | agtacaacat  | gaacaacgag  | aagagcgaca | gctatcccat  | cttcggccag  | 205260 |
| gatgaaacca  | tcggcggcga  | gaaatggggc  | gagggcgaca | cgctgaacta  | tctggaagcc  | 205320 |
| gacgaggaag  | gacacaagca  | gtacctgccc  | gtctgcttcg | agacgctgaa  | caactccaat  | 205380 |
| ccgttggtgcc | tgttccactg  | gttgccgagt  | accgaaccgg | agcataagga  | tttcatggat  | 205440 |
| tacaactttg  | acggaggact  | agagttcaac  | cacccgaaag | acaccttttg  | gacagacggc  | 205500 |
| ggaggggatg  | cagaggaaga  | accgaacctg  | aaagaccacc | tcggtaccgg  | tgacaagtac  | 205560 |
| gacaagatgt  | acaaggccac  | cgaccgcatg  | atgagttttg | tctaccggtg  | tgtgaaggaa  | 205620 |
| acgcctgccg  | gaaaaaacat  | gacgtacagc  | acggaatccc | attcggttcga | gggggtggac  | 205680 |
| tatgaggacg  | acggcgacaa  | gttccctacc  | gccaatgggc | agagcgatac  | gttcaggaaa  | 205740 |
| gaggccggga  | agtatttcga  | ccttccccac  | ctgattgcct | actatctgta  | cggtgcagttc | 205800 |
| aacctcggcg  | tggaccagct  | tgcgaagaac  | atgcttatcc | gcacatggga  | cgggtgtgaaa | 205860 |
| tggtcgattg  | actattatga  | cggcgactgc  | cagttgggtt | ctgacaacaa  | gtcgttcctg  | 205920 |
| accgggaagt  | atgacgacaa  | ccgccagacg  | aagcgcgacg | gggcttatgt  | gatgcagggt  | 205980 |
| cataactcgt  | ggctgtggaa  | cctcatcgctg | gccaatgtgt | gggacatgat  | tgtggagatt  | 206040 |
| atggtgagtg  | gatggaacgg  | gggcgcaagc  | ttcatgagtg | ccttcagtat  | ccagaaagcc  | 206100 |
| attgaccatt  | tcgataaccga | acagatgaag  | aagtgggtgt | cacgcctcta  | taacaagtcc  | 206160 |
| ggcatcttca  | aatacatcta  | cccgttcctg  | aacgaaatgc | cggtaggtgc  | tgacgggtgcc | 206220 |
| aaacagacgt  | atccgcaaat  | ctacggtctg  | aagggttcgt | taaaagcaca  | ccggaactac  | 206280 |
| ttcatccaac  | gcaggtagca  | cctgaagcag  | gtggagtacg | gctatgtatc  | cacgctgggt  | 206340 |
| gccagttct   | accagagtac  | ggcatcgctg  | gacaaggctt | ataaactgaa  | accgatgcag  | 206400 |
| taccggctga  | ccatccctta  | ccgtgtgcaa  | ttatccacct | caaacgggtg  | acaggctgac  | 206460 |
| agcggcgtgg  | tggatgcaga  | cgtgtcccat  | tccctgcagc | tgaccctgtc  | cttcgggtgag | 206520 |
| aacgacccgc  | tgaagattat  | cgggtgcagcc | aaaatcaagg | agctgggtgtg | gcatgaggat  | 206580 |
| gcgttcgcca  | tcgggttcaa  | cctcgggtctg | ctgacctcac | tggtaaaact  | ggacatgagc  | 206640 |
| gtggagaaaag | ccagtggata  | ccggaacggc  | tcgttcatgg | cctcgacgaa  | cgggatgctg  | 206700 |
| cttctggaag  | aagtgaacat  | gcggaataac  | ctgctgggcc | ggaacgggga  | caacggcaat  | 206760 |
| gtggccaccc  | tggacctgag  | ctggcagggg  | cgactgaaga | aactggatgt  | gagaggtagc  | 206820 |
| gggctgaccc  | gagtgaaaact | ggccaccggt  | gtccccgttg | tgcagttatg  | cctgccggac  | 206880 |
| acgattgagg  | aactgttcct  | ggagtatctg  | accaagctgc | aggacagcgg  | cctggtgctg  | 206940 |
| gaaggcatca  | acaacgtgcg  | gggctaccgc  | tataccaact | gccccggcat  | cgacgggttt  | 207000 |
| gccatgctgg  | aacgcctgca  | ccaggccaga  | ctgaacggca | gcggcaagct  | ggagcgcttt  | 207060 |
| gtgttgagaga | tagaccggga  | agacgacgga  | agcctgctga | agaagtattt  | cgattacgga  | 207120 |
| acgtacacgc  | agacgggtgc  | ggtggatgac  | cgccactcgg | gccttcgcgg  | taagctgacc  | 207180 |
| ctgacgaagt  | atctggccga  | cgaggaactg  | gagaagtatg | ccgcccgtta  | tccggaactg  | 207240 |
| accatcaagc  | agccgcccta  | tacgatgatc  | gagtttgatg | acagcgtggc  | cgatgatgct  | 207300 |
| aatatttcaa  | acctggacaa  | caggaccgga  | tacaagttcg | gcaatacgta  | caaaatgagc  | 207360 |
| gggcatgtga  | atgccatcct  | gtccaagcgc  | caccgcgtat | tggccaaggt  | gaccaagatg  | 207420 |
| cccacgagcc  | ggaaagtgga  | gatagccggg  | cagcaggtgg | aagtgaacaa  | cccggacggg  | 207480 |
| gagatgacct  | atttccccct  | gcatgacgaa  | agctcgaact | tctatgccga  | tgcgaggat   | 207540 |
| atgaacgact  | gcacggtggc  | gaagctggac  | ggcagcgagg | gagactggat  | gatgtatgag  | 207600 |
| ccgttctact  | ggagcaaggg  | tatcaacgat  | tatttgaaca | acaagaagta  | cgcttgctac  | 207660 |

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|            |            |             |             |             |             |        |
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| agcagctacc | cggaggacga | aatgccccct  | gttccggagg  | cgacagtact  | tacgctggat  | 207720 |
| gccatcaagg | aaacgcaggg | cggctggctg  | ggtgaacgca  | agatcatgag  | cggaaagccc  | 207780 |
| acgctgaagg | aatcctatac | gacggacaag  | gcctattcgg  | tatgtaaggt  | ggacgtagcc  | 207840 |
| ggctacaagc | gcgtgcgctt | cccagagcgtt | ccaggaacgg  | ggcttatcgg  | cagtgtgttt  | 207900 |
| gtggatgatg | caggaacat  | cctgaagagc  | atcgtggtgc  | cgaccatcgg  | cttgaagttt  | 207960 |
| gaagccggca | tgtatctgat | agcagacgtt  | ccggagcgtg  | cgaccgctct  | gcatttctcc  | 208020 |
| attctgaaca | cggctgagtt | tgaccatgtg  | gtactgagcc  | acagcgacaa  | gatagaggac  | 208080 |
| atggaaccgg | attgggtggc | caacgaggag  | catctgtgtg  | ctgttgtggg  | cagttcggta  | 208140 |
| gtgggcagca | agctgcgtgc | ctgcataacc  | ggagcttcga  | ccacggcaag  | catgacctgg  | 208200 |
| acggacttcc | actattacag | ccagcagcgg  | ggcatgcaac  | agatagatgc  | gctgatgcac  | 208260 |
| agccgcattg | cgaatctgag | ctatgcacgg  | tacgggcgta  | gggacatgca  | ggaacagtgc  | 208320 |
| ggtgccggac | agcatacaca | caaccgaaca  | acaggcggga  | cggcagagca  | tgggatgaca  | 208380 |
| gataccatcg | gctacgatga | agcgtatgcc  | gtcaacaaca  | aaatcacgaa  | ttcgtgtggt  | 208440 |
| gacggtctgg | tgcaccagta | tgcctggtat  | aagagccgtg  | acgaatacgg  | acaggcaacc  | 208500 |
| gtagtgcagg | tgaacaatat | ctgctgcctg  | ggctatgagg  | acatctacgg  | caacaagtat  | 208560 |
| gacatgatgg | acggcgtgga | cctgccaaac  | gacagcggca  | acgtgggcaa  | atggcgcatac | 208620 |
| tggatgccgg | acggcacggt | gcgctgggtg  | cagggcaaaa  | cggccagtga  | ccaatggaca  | 208680 |
| acaggcgtgg | cacacggcaa | gtatatggac  | ctggttccgg  | tgggtaatct  | gaacggatcg  | 208740 |
| tcttctacct | actataccga | taagtactgg  | ataagcaccg  | ctatagtccg  | tgtggtctat  | 208800 |
| cgcgggtaca | acaatgcgaa | tgcgaatggc  | ggtgtgtcga  | atgcgaatgc  | gaataacgac  | 208860 |
| gcttcgaaca | cgaatgcgaa | tgtcggctcg  | cgtctggaaa  | tctaacaat   | cggcgtacag  | 208920 |
| cagcggggac | gtgtcccaa  | tgcggtgccg  | agggaaagcaa | gccacagcaa  | cagcacccat  | 208980 |
| tagggtggaa | agctgaaaaa | tcacgcgtcg  | ggtggagttt  | ggtaggctgt  | tatcagttcg  | 209040 |
| aagaagtcag | acccggggaa | aggaaggccc  | ttatcttccg  | tattataaac  | caacagcaga  | 209100 |
| accgatgctg | cagggaagga | tatatcatag  | aggaaatcat  | cgaatactcc  | aatatgtcgg  | 209160 |
| aggctttcga | tgccgtactg | cgcggaacgg  | atcgtaaaag  | gtcaacgcaa  | ggacggatc   | 209220 |
| tgcttgccca | tagggagcaa | gttatcgtca  | aattgacgga  | ggccattgca  | agcggttcat  | 209280 |
| ttcagcttgg | cggataccat | gaaagagaaa  | tcgaggagta  | tggcaaaaaa  | cgcaccctgc  | 209340 |
| agattttatc | catgtatgac | cgcatacggg  | tatatgccgt  | aatgaacgtg  | gtggaccgtc  | 209400 |
| acctgcagaa | acgctatatc | cggactaccg  | gagccagcat  | taaacgccgt  | ggcactcatg  | 209460 |
| atctgatgaa | ctgcatacgt | accgatctgc  | aaaaagaccc  | ggaaggcacg  | ctgtatgcct  | 209520 |
| acaagtttga | catccgcagg | ttctacgaca  | atgtgcggca  | ggattttgtg  | atgtggtgct  | 209580 |
| tccgcaggat | attcaaggac | gaaaggctgt  | tgggtgctgt  | ggagcggttc  | gtgacaatgc  | 209640 |
| tgccggaggg | tatcagcttc | ggattgcgca  | gtcacaggg   | agcaggcaac  | ctgcttctgt  | 209700 |
| ctgtattttt | agaccactat | ctgaaggata  | agtacgggtt  | tcgttattac  | tatcgctatt  | 209760 |
| gcgatgacgg | actggtactc | ggcaaaacga  | aagcgggaatt | gtggaagatt  | cgtgatgtta  | 209820 |
| ttcacgggca | aatggagaaa | atagacttgg  | agatcaagcc  | gaatgaacgg  | gtgtttcctg  | 209880 |
| tagaagaagg | cattgatttc | cttggtatg   | ttatccgtcc  | tgactatgtg  | agattgcgga  | 209940 |
| aacgtatcaa | gcagaagttt | gcccgaaga   | tgcacgaggt  | aaaatcgaga  | aaaagacggc  | 210000 |
| gggaactgat | tgccagtttc | tacggcatga  | cgaaacacgc  | cgactgcaat  | aagttgttta  | 210060 |
| aaaaattaac | aggcaaagaa | atgagaagtt  | ttaaagactt  | gaatgtcgct  | tacaagccgg  | 210120 |
| aggacggcaa | gaagcgattt | cccggagtgg  | tggtaagcat  | ccgggaactg  | gtaaacttac  | 210180 |
| cgattgtagt | gaaggacttc | gaaacaggta  | tcaagaccga  | gcaggagagaa | gaccgctgta  | 210240 |
| ttgtggccat | tgaagtgaac | ggtgaggcaa  | agaagttctt  | caccaacagc  | gaggaaatga  | 210300 |
| agaatattct | cgcacaagtg | aaagaaatgc  | cggatggctt  | tccgtttgaa  | acgaccatca  | 210360 |
| agacagagac | cttcggcaaa | ggtagaacca  | aatacgtgtt  | tacatgagaa  | gagttgaagg  | 210420 |
| aagtgccggt | gtgtcgtgta | tggaatgcac  | gaaccgggtt  | aaagacaaat  | ggcgcataccg | 210480 |
| ctgggatgtg | caggagaaa  | agaacggctc  | tgcctcctac  | atggaagaag  | agtttaacca  | 210540 |

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| taaacctacc  | ggcgaggaaa | ttcgcacatt | ggttatgtcc  | tggtataata | gccagactga  | 210600 |
| tgcagctatc  | ctgtccggat | tcacctataa | tggtgccctt  | gtatggcttt | ctacggagaa  | 210660 |
| ccagtataac  | tataaggcag | catacgattt | agccgttcag  | acgggaggag | aaacctacc   | 210720 |
| ggtgacgttt  | aagtttggtt | cggatgaaca | accggaatac  | catactttta | cccagttaga  | 210780 |
| tgaactgaaa  | gacttctata | caaaagcagt | aggattcatt  | cagaaagttc | tggtgaagg   | 210840 |
| ctggaaaaag  | aaggataaat | tcaaattgga | tttgtatcgg  | attgagtaat | tgaaaatccc  | 210900 |
| ctcgggggtg  | ggattaaaaa | aagccccggg | cctgtttaat  | agtcgtctca | cttactataa  | 210960 |
| aacaaaaaac  | gctcagagcg | cacgaccggg | ggccaatacc  | ctcgttcgcg | ctctgagcgt  | 211020 |
| ttgtattttt  | ttggatggcg | aaatatccgc | ctaataagtg  | agacattgca | aaagtacaaa  | 211080 |
| aatgattgga  | tatgacattg | tttgaagcac | ttaaatttaa  | cagaaaaccg | cttgaattgc  | 211140 |
| ttataagttt  | gggaggcaag | caggatgacc | ttcgattcat  | agacttatat | acagagtatg  | 211200 |
| aggatcatgaa | aaatcggggg | gagaagacca | cttatgcagt  | ggcgtttttg | gcaataaat   | 211260 |
| attctgtaag  | cgaacgcaag | gtgtatgaca | ttatcaaacg  | gtttggaaag | cactgcacgc  | 211320 |
| tcggtgcagt  | gtgattgatg | tgccggagat | acctgtgtgt  | atctgatggg | gctaactttg  | 211380 |
| cacagacaaa  | aatcaatagc | ttatgaataa | gtattaccag  | acattagaca | agatactcca  | 211440 |
| aacgggcaag  | acccaaacca | acaagaaagg | ctgtatcaaa  | tacctattga | atgaaaggct  | 211500 |
| tatgctgacc  | ccggctgatt | tacttgatat | atttgaaagc  | catgggatag | ccagaaagaa  | 211560 |
| actgaaagaa  | gaattgaagc | tgtttatgca | gggtattcga  | gatgtggaaa | gatataagga  | 211620 |
| ggcaggtatt  | acctggtggg | actattgtgg | ccataccctt  | gtgaatagct | acccacttta  | 211680 |
| ctttgaaaag  | cttccacccc | ttatagctaa | gattaaccgg  | gaaaagcgca | acagcaagaa  | 211740 |
| ctatgttctg  | tttcttgagg | agaccggggg | ggaaagcaac  | caggcaccct | gcctgagcct  | 211800 |
| tgtgcagttc  | cagattgaag | agggggaact | ggtattatct  | gcataccagc | gcagttctga  | 211860 |
| tgccaacctt  | gggcttcagg | ctgatattta | tcatctttat  | ctgatggcaa | ggcaggtgga  | 211920 |
| acttcctttg  | aagtccataa | cccttgacct | tggaatgtg   | catatatatg | aaaataacat  | 211980 |
| tgaccggacc  | atggaactgt | tatccggagt | tgagaatatt  | aaatttgaat | tgaacgtatg  | 212040 |
| acgaaaatga  | atctgtcggc | accgtgcca  | tttgtgggcc  | aaaaaagaat | gtttgcaaaa  | 212100 |
| gaatttataa  | aggtattgga | ccagtttcc  | gatgataccg  | tttttgtgga | tctgtttggt  | 212160 |
| ggctcggggg  | tactttccca | tattacaaa  | agaatgaaac  | caacttccac | tgttgtttat  | 212220 |
| aacgattttg  | ataactaccg | atttaggctg | gctcatattc  | cacatacaaa | taagctttta  | 212280 |
| gccgacatta  | gaacgctggg | aggggattcg | gtacccaaac  | ataaggcaat | caaaggaaag  | 212340 |
| ctgagggaat  | gcgttttaaa | gcgtattgaa | gaagaggaa   | cgagtgtggg | gtacgtggac  | 212400 |
| ttcattactc  | tatcgtcatc | ccttatgttc | tctatgaaat  | ataagttgtc | tgtggaggaa  | 212460 |
| atgagcaagg  | aagtctttta | taacaatatc | cgtaagaatg  | gataccctga | atcattggac  | 212520 |
| tatttggaag  | ggctggaaat | agtttcatgc | gactacaaag  | aggtctataa | tcaatataag  | 212580 |
| gacgtacctg  | gagtgggtgt | tttaatagat | cctccttatc  | tatccactga | tgtcggaaacg | 212640 |
| tacaacatgt  | attggcgtat | gtccgattac | ttagatgttt  | taaaagtcct | cgaaggctcat | 212700 |
| tctttcgttt  | attttacatc | aaacaaatca | tctataattg  | aattgtgtga | gtggatcggg  | 212760 |
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| gataaaatgg  | cagcttaact | actaacaag  | atacgttttt  | tccatcagtt | agacaaatta  | 212940 |
| ttaaagcatt  | attttaattc | cgttataaag | tcatttttat  | gaaactataa | agccggaaca  | 213000 |
| gaggtcttca  | ttaacctttt | gctccggctt | tataagtgtt  | gtgtgcagcc | ttttttttga  | 213060 |
| acgcttcgtt  | ttgttctttt | gcctgaaaat | tgaacgcttc  | gttccggaaa | ccacggaaat  | 213120 |
| ttggatttgc  | ggattataat | tcgtgatgag | tggtatatta  | ttggtgttac | ttatcataca  | 213180 |
| ggaaaatggg  | aaatcaaacg | ggatacaatc | attttagtaa  | ccgttccaga | attatacccg  | 213240 |
| ccaattgttc  | aagagcgtaa | tcccgggcaa | gtgttacatt  | tttatgggtg | aggctgggaa  | 213300 |
| gatgacaagc  | aaaaggctat | tgaaaaagga | atagttttaca | aattccttat | tcaaaagaaa  | 213360 |
| ggtttgattt  | ataaagatag | aaaagataga | gatatatata  | gaaaagttaa | acaatcggtg  | 213420 |

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| cttagtatta  | tggaaaataa | attatcacca | aataatccaa  | tcattttatg  | ggcaaataa   | 213540 |
| attagtcct   | actataaaaa | taaggattac | gaaaaagttt  | tatctattga  | taaaaaaatt  | 213600 |
| tgggatgaat  | tagaggaacc | taagttatcg | caagaattag  | cttttcatgt  | gttattagat  | 213660 |
| attgttgtca  | tttatattac | attaaatgat | tttgaaagcg  | cccaatattg  | gggaaatatt  | 213720 |
| cttgataaat  | ataattatgt | agaaagtga  | cgttttgact  | ctggccaaaa  | agattatfff  | 213780 |
| gtcggaatcg  | tttattttga | aaggaaagaa | tatcagaaag  | catttgaata  | tttttcaaac  | 213840 |
| gctaaagcca  | agtctcgagg | aagatgtttc | aaaatggtat  | ggggagaaaa  | atactcacag  | 213900 |
| gcttataaa   | aactgtcat  | gaagtttggt | aagaaatcca  | ctaaaaagag  | ataatctcta  | 213960 |
| tgtgaatatt  | attccattta | ataacaatat | attgataaca  | aggctcgagcc | aacagctgaa  | 214020 |
| cgctgttcct  | caccaaacca | ttatcaacca | taaaacgtag  | aaatatgtac  | gaagaatfff  | 214080 |
| tagaaaaaag  | cctcaatagc | aagaggcaag | cagtagatga  | tacttttatt  | gctaaatatg  | 214140 |
| ctgatttgtc  | ttatcccga  | ctgaatactt | tatggcagga  | ggctgggtta  | ggaagttfff  | 214200 |
| gtaatgggct  | gtttaagctc | atcaatccat | ccgattatca  | ggatgtgata  | aactcctggt  | 214260 |
| ttgaaaagga  | ggatgaccaa | tcatttctac | cattcatgtg  | tacggctttc  | ggcgatctct  | 214320 |
| ttgcctatgt  | aaagaatccg | agactgaata | attacgtcgt  | ttatctgaat  | gtcagatacg  | 214380 |
| ggacataatt  | aatacttcct | gccaatcttc | gtgcgatttt  | taataaggta  | atggtaaattg | 214440 |
| aaagtttctt  | gaaaggctgg | tttgatttag | aaaattatcc  | tataatacaa  | gaaaaactcg  | 214500 |
| gaactccaga  | ttatgacgag | tgtttcggat | attctctact  | tttggctttg  | ggaggaagtg  | 214560 |
| aagacattga  | aaacatcaag | atagtcaaga | ctattccgta  | cattgacatt  | tgtacccaaa  | 214620 |
| caatcggcga  | atttgaaatt | gcagataaat | ggtgaatata  | gaatagggtg  | ataacaacgc  | 214680 |
| aggataacgg  | caagccgttc | cccgtgaac  | cattataaac  | aattagaatt  | gaaataggat  | 214740 |
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| atacgtggt   | gtgatagaat | ttataacaga | taaagaactt  | gatgattgtc  | aaaatatttt  | 215040 |
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| catattaatc  | tcttatgatg | tggtttttgt | caaagaaatg  | aacgataagt  | ttttttataa  | 215160 |
| agcattgttt  | atttcgaatc | aacacaatga | taacatacta  | tgtgatagta  | tatattgcaa  | 215220 |
| gattttttatg | atacgaatgt | ttgtcctat  | ttatgaaacg  | aacgagtttg  | caataccaac  | 215280 |
| tatttcaaat  | ggcaaataga | gtttataacg | aggctcgagac | aacagctaaa  | cgctgttgct  | 215340 |
| caccaaacca  | ttactaacia | aactaataat | tttttatgat  | taaattcttt  | tttgatgcga  | 215400 |
| tgtattatca  | attctttata | tacaataggg | ataaatttaa  | gttggagat   | ccacatgaga  | 215460 |
| gaacagtatt  | actattctgt | ggaatactat | tcctaccgat  | aattgcattg  | atttatccat  | 215520 |
| tgataaaaaga | gaatttcaat | tatgatttgc | cgtttatfff  | ctttgttcca  | atattttgta  | 215580 |
| ttctatatta  | tcttttaaat | agatattatg | taagaaaggg  | aaaaggaatt  | gagataatac  | 215640 |
| gagaaaaacc  | tttattgttt | aaaagccaac | gtttatcgtc  | cattatctct  | tggatgggtt  | 215700 |
| acccattfff  | agctgtattg | ctttatttca | tgataacaca  | tcggcattgg  | ctgaaaataa  | 215760 |
| tataataaag  | atttaataag | ttagtaacia | cgaagatag   | catctaacga  | tgctcctttc  | 215820 |
| taaccattaa  | taataattaa | gttcgtaaca | agattcatat  | ataatcaact  | acataataa   | 215880 |
| ctcaatatgg  | aaaatataaa | aacaatagct | tttagaggta  | gcagtgactt  | aataggtaat  | 215940 |
| ttacagtatt  | gtatagacca | tataagctat | gctataccta  | atattatgaa  | tagtgtatcg  | 216000 |
| ggtcaatata  | atgttagatg | tgtgtttgag | aaagttgaaa  | atcaattaac  | atttagtgat  | 216060 |
| tctatattag  | gtgaactgat | aatcaagaa  | gttttaggga  | aggatatata  | gaacgataag  | 216120 |
| tcggatataa  | gattgttctc | ttcaaataga | aatttacctg  | aatatagaat  | taattttgat  | 216180 |
| ttacaaggag  | agtttaattt | aggagtcaag | atfffcaag   | acaagccagt  | tcaaacatta  | 216240 |
| ccagtcatag  | atgtacttcc | aatacctgtt | gaaatcgtca  | ctattttactt | ttatttttca  | 216300 |

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|            |             |             |             |             |            |        |
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| gaaacgaaag | taaatgggaa  | atcggattct  | tttatatttg  | acaaatattt  | tgattcttat | 216360 |
| gattatctcg | gtttctgtct  | tgtggactta  | ccgaagatga  | atgaaataat  | aactcgaaag | 216420 |
| tatggcaatc | agaaattgga  | tttaatcgac  | gaattttcaa  | acacagagct  | aatcgacgaa | 216480 |
| ctatttgaag | aagaaataat  | cataataact  | tggggcattc  | atccatattc  | atatccaatt | 216540 |
| tacagtactg | aagatacaga  | ctctatccgt  | cctttatttg  | gacggaagtt  | cagccaagaa | 216600 |
| ggttgctttc | gcataaaaaga | agacataaaa  | gaattgagct  | taattccagg  | atatgcacta | 216660 |
| agaaagtggc | cggaatttac  | acaaaaagaa  | tggaacaaaa  | tttcattata  | tggaagaggt | 216720 |
| gaaatagtac | acttaacacc  | ttatattctt  | gaagattctg  | aatttgaaac  | agtatcagtt | 216780 |
| tcattcttaa | ttcatagaag  | taaggagat   | ttgaaagaga  | gtattcctct  | actgaatgtg | 216840 |
| aatcttttat | acgaataaca  | acattgaaaa  | tcgtagttgt  | tggaatgataa | ttattattaa | 216900 |
| tatgccaagt | tagctgctaa  | cgcagctcct  | tgtcaagcca  | ttaacattat  | aatcttcaaa | 216960 |
| ttatgcgatt | aaacaatagg  | aaaataataa  | tttatacagg  | aacaacaatt  | ttattgatta | 217020 |
| taataattgc | cactcgctgt  | ctggattttt  | tcttcttttt  | taatgaggat  | aatagaagat | 217080 |
| atacaatagg | cacgttttct  | gacataggat  | attatcgtgg  | ttcaatctgc  | aaatttaatt | 217140 |
| acaaagtggg | tgattcaatt  | tatatgtttg  | atacaaggtt  | tggaactacat | gataaagatt | 217200 |
| tgaaaaatct | aagattgggt  | gtcaaataat  | caaataaatg  | ggttgaacat  | tcagagctac | 217260 |
| ttttagaggt | tgttcctaaa  | tgggtgcttg  | caccacccaa  | aggcggatgg  | gaacagttcc | 217320 |
| ctcctgacat | aaactggaaa  | ggagctgaat  | tagatactgc  | atatatgaag  | aagatgaatt | 217380 |
| tggaaatacc | ataatttgat  | gagaataaaa  | atagaatgtt  | aacaaggctg  | agataacagc | 217440 |
| taaacgctgt | tgctcaccaa  | accattataa  | cgaagcccc   | aaaattatga  | acggaacaaa | 217500 |
| aaaacattct | ttctatttgt  | tagtgatttg  | tacggttgct  | atgtttggca  | ttgcggcata | 217560 |
| tcttctgggt | tcgggcggca  | gcagtcacgg  | aactatttgg  | ggcggctcgt  | atggcgataa | 217620 |
| gttggaaggg | acaatcaacg  | gatatggagt  | tcttatgata  | gctgttggca  | tgctttttta | 217680 |
| caccctctta | tggaggtggc  | agaacaggca  | gaaaggcttt  | tccatttcaa  | tgggagaagt | 217740 |
| ggaaaacatt | attatcgggtc | atgcagacgc  | caaacaagtc  | aaagagttac  | tttcctcaga | 217800 |
| atattggaat | gtaaaaattc  | tcttgtttgt  | gaagaacaac  | gccaatggac  | atatcttgca | 217860 |
| aatgagtaga | attgatacag  | agaaaatccg  | gatatgttta  | tctattaaaa  | acagcaccta | 217920 |
| tcaacttgcg | gatttttccc  | ataaagaagc  | actgttttct  | tcaaggcaaa  | cgaatgaagt | 217980 |
| ggtggatgat | tatttccggt  | catccaatct  | tttaacagaa  | aagaagtatg  | tgtggaagaa | 218040 |
| acaacaataa | tagaagatat  | ggaacatcga  | attacatcac  | tactgctgcc  | cgctcctgaa | 218100 |
| acggagttag | aaacatccag  | caaggaattg  | gacaacaagg  | taacatgggt  | gttacacaac | 218160 |
| aaccggaaga | tggacaacta  | tttgaaactg  | gaaacattca  | gcaaggacga  | acgtctgtgc | 218220 |
| ggttacgtgt | gtgacacgct  | ccgaagcctg  | ccggaacccc  | cgacactggc  | ggcatacaag | 218280 |
| gactacaagg | caatcattgt  | cctgcttggc  | atatccacca  | cgcactatgc  | catcttggac | 218340 |
| gaactggctg | aacaacaccg  | caagcggaaac | gacatcccgg  | agctgaccgc  | ctactgtgat | 218400 |
| gccctccact | ggatgcgacc  | gggacggcaa  | tacctctgca  | acatatataa  | taccgtatgt | 218460 |
| catgctttcc | atctgctacg  | aagaaatccg  | gtgagggaca  | accgtctgct  | gattacggaa | 218520 |
| caggaattgc | gtcacgctga  | acgaatgttg  | ccggaactgg  | gcaagcaaac  | attcatcgaa | 218580 |
| atggttcgga | tgaaggtta   | taaaatatat  | aatgccgaag  | agcttgccga  | aaagtgcggt | 218640 |
| atggaatacg | gatctttccg  | gcgtaagatg  | aaaaagggtta | ccgatatac   | cgccaaacag | 218700 |
| tgggttataa | aggaacgggc  | aaaagacgtg  | gaacattacc  | tgatgaatac  | cagcttcaca | 218760 |
| cttaccgaag | tagcgtttac  | aaccggattc  | gcatccacat  | cgaacctgaa  | cgacttttgc | 218820 |
| cgggcttacc | tgcttgatac  | accgggagaa  | atccgaagga  | aagcgcagga  | aacaagaaaa | 218880 |
| tgcacagata | taagaatgta  | atgtaaaaaa  | cgaagaataa  | aatgattttc  | agtcggttgt | 218940 |
| aactttgcat | caaataatgg  | ttcaaagtta  | tggaaaatat  | aaagcccctg  | aaaacatatt | 219000 |
| ttgcggaact | cctgcaacaa  | acagaattac  | agatacgtga  | ctatgaggaa  | aaagcgcctg | 219060 |
| acatcctgtc | cttatgcaag  | atggttgtgg  | actacctgca  | aggcgtgctg  | gagaaactga | 219120 |
| aagcctttat | catggcttac  | cgctttgaaa  | gcccgggaaga | agaaatacat  | ttcttcaag  | 219180 |



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|             |            |            |            |             |            |        |
|-------------|------------|------------|------------|-------------|------------|--------|
| ctcaaaagcc  | gctcatagta | agcaaatca  | tctattacaa | tactgtctat  | cggatagaac | 219240 |
| tacgttttcc  | aagcggcagc | atggaagtcc | agaaagaatt | tatcctttct  | gaaacccaca | 219300 |
| ggctttccgt  | atttttccac | cgcaatttga | gtttccacga | atattaccgc  | acagatgcca | 219360 |
| cctacttgga  | tagcaaatac | ttcctgcgtg | ggaaacctga | catacagata  | attgtagata | 219420 |
| acttctacta  | tgaacagac  | ccacagttca | gcaccagtta | cgatttcaag  | gtcgccaaaa | 219480 |
| tcagagcgaa  | ccaactgctg | gaaatatacc | tgacaaacag | gctgaacgaa  | ctggaacggc | 219540 |
| gggaacaacg  | gcaagggata | aagaataatt | ttacagggaa | gcccatacgc  | tggactggca | 219600 |
| cgaaacggtc  | attggtggaa | cttatctact | cactggacac | ggcaggctgt  | ctgaacaagg | 219660 |
| gaacggctga  | cataaaggac | attgtagcct | actttgaaga | aatgctggat  | atagattttg | 219720 |
| gggattttcta | ccatacctac | atggaattga | aagccaagat | gaaagaccgt  | accagcttcc | 219780 |
| tttccatgct  | gaaagaacgc | ttgctgcaac | gtatggaaga | acaggattga  | gcaatttcat | 219840 |
| tttaacaaaa  | tttatttcgc | cacaggtggg | ttcgctgtg  | gcgattttatt | tttctgcaac | 219900 |
| cccgaatttt  | gcagcgaacc | aattagttag | cgatatggaa | ataataacat  | tcgagtcaaa | 219960 |
| agcctacaag  | gagcttgaca | acaagattac | cgccatagcg | gattacatct  | tcaaccattt | 220020 |
| ggattccggc  | aaacccgatg | aagatgaaat | ttgggtggac | agttacgaag  | tatgcacatt | 220080 |
| cctgaaaatc  | agcgaccgta | cactgcaacg | cctgcgggcg | gcaggactgg  | tttcctattc | 220140 |
| cgatataaaa  | gggcattatt | tctacaaaat | caaggaaata | aaacgtctgc  | tggaagaacg | 220200 |
| cctgataaaa  | cgggacaagg | aatatataaa | cgacctgata | accaaccatc  | atcaatatgt | 220260 |
| taaagaaaga  | agaaatacta | agccgaacaa | ataacggctt | atccgttttc  | aagcattatt | 220320 |
| taccgggtga  | atggcggata | ggcaggcatt | tccttaatcc | cttatacgaa  | gatagaaaag | 220380 |
| catcctgcaa  | catctacttc | gaccgccata | gcggtatgta | caagatgaaa  | gacttcggta | 220440 |
| acgacaatta  | cagcggcgac | tgctttttcc | tcgtgggaca | actgaaaggg  | ctggattgta | 220500 |
| accgggcttt  | ggacttcatc | gagatactgg | aaaccatcga | ccgggacttg  | gggctgggct | 220560 |
| tatcttccgg  | gacacccgtt | cctatatccc | agactactga | caaacgtctt  | gcggcgaaca | 220620 |
| cacctgttga  | accgcccga  | aagcctgtca | agccttacca | gttcaggga   | cagaaatttt | 220680 |
| cctccgccga  | aatggaatac | tggcggcagt | acggcatcac | tcccgaagta  | ctggaacatt | 220740 |
| acaaggtctg  | ctcactccgg | gaatacagca | gtgaaacggc | agagggaag   | ccatacacct | 220800 |
| acatttcatc  | ggcggcgaa  | ccgatgtacg | gctacaaggg | caaacagtat  | atcaagctgt | 220860 |
| accgtccctt  | ttccacaccc | cgtttcctat | atggcggcag | cttcggggaa  | aactactgtt | 220920 |
| tcggattgga  | gcaactgccc | gccaaaggtg | acacattgtt | tatcacgggt  | ggcgagaagg | 220980 |
| acgtactttc  | actggcggca | catggctttc | atgccatctg | cttcaacagt  | gaaacggtaa | 221040 |
| tgataccgtc  | cacgctgggt | tatcggtgta | cgttccgttt | caagcacatt  | gtcctgcttt | 221100 |
| tcgacatgga  | caagacaggc | aggagaggtt | caagcaggca | ggaaagactg  | ctgggggaat | 221160 |
| ttggcgtgaa  | acgcctttct | ctaccgcttc | cgggcacgaa | agaggaaaag  | gacatatcgg | 221220 |
| attattttcag | ggcgggtaac | accggtgaag | atttcctgaa | actgtttatc  | agatttttag | 221280 |
| acgacctata  | tagcgacaca | ctgattatgc | ttaaatcatg | cgagatagac  | ttcaacaacc | 221340 |
| cgccccgtcaa | agcgcaggtc | atcatatcgg | cgggcgatgt | tccactggga  | acacaaggca | 221400 |
| acctgttcgg  | catcaccggg | ggcgagggaa | cgggcaagag | caactatgta  | gccgcaatcg | 221460 |
| tggcaggctg  | tatcagccct | cccgatacgg | aaacagacac | gctgggcata  | cggataaccg | 221520 |
| ctaacgacag  | gcacaaggcg | gtcttggtct | atgataccga | acagtcggaa  | gtacagcttt | 221580 |
| tcaagaacgt  | aagcaacctg | ctggcacgtg | cggggcaaaa | ggaaaagccg  | gaagaactga | 221640 |
| aagcgttctg  | ccttacggga | atgtcccga  | aggaacggtt | gaacgccata  | atacaaagca | 221700 |
| tggataagtt  | ctactaccag | tatggcggca | tccagttggt | tgtcattgac  | ggcatcgccg | 221760 |
| acctcgtaaa  | gagtgccaac | gatgaagcgg | aaagcgtggc | ggtgatagat  | gaactgtatc | 221820 |
| ggttggcggg  | tatctacaac | acctgcatac | tttgcgtgct | tcattttgtc  | ccgaacggat | 221880 |
| taaagctgcy  | tggacatctg | ggaagcgaac | tacaaaggaa | ggcagctacc  | atcctgtcaa | 221940 |
| tcgagaaaaga | cgatgaaccc | acgcaatcgg | tagtgaaagc | cctgaaagta  | agggacggaa | 222000 |
| gcccgtgga   | cgtgccgctg | atgcttttcg | catgggacaa | gaaagctggg  | atgcacacgt | 222060 |

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| accggggcga  | aaagccacgt  | gaagaaaaag | agaagcgcaa  | ggaaagggag  | ctggtgggtg  | 222120 |
| tagcccgtga  | tattttcggg  | cggcagacac | acatcaccta  | catagacctt  | tgcgaacagt  | 222180 |
| tgcaacaggt  | actggacatc  | aaggagcgga | cagccaagaa  | ctatatccgt  | ttcatgcggg  | 222240 |
| agaaagaaat  | catcctgaaa  | gacccggcaa | accagagtta  | ttttatgata  | ggtctcattt  | 222300 |
| aattttcaatc | gggggtagct  | tatgtatata | gacaatgaca  | acttcgtagc  | atggatggag  | 222360 |
| cgtatcatgg  | acaggctcga  | catgcaggat | aaaaagatag  | accgtctgat  | gaacagccac  | 222420 |
| aactgcctga  | acggtgaaaa  | gctgctcgac | aatcaggact  | tgtgctttat  | gctcaaagtg  | 222480 |
| agcgtcaaga  | ccttgcagcg  | ttaccggaag | aaaggcatat  | tgccctatct  | tcttctggac  | 222540 |
| ggaaaaatatt | actatcgggc  | aagcgacata | cacaggctta  | ttcgtgagcg  | cacggattag  | 222600 |
| acagtgtttt  | ttgtcatcat  | tcaattaacc | ttgtcctgcc  | ctgttgtgat  | aacacggcag  | 222660 |
| gatttttttta | ttgtatgcc   | tgatttctca | atgattttca  | ctacttttgc  | agaaataaca  | 222720 |
| taagagaata  | acggcgattg  | aacagctttg | actgtgattt  | cgtctttata  | tataacatat  | 222780 |
| tcgttcgccg  | aatatctcac  | tacgaaaact | ggcacttttc  | aaaagaaacg  | ggattttcag  | 222840 |
| cgcaatgtct  | atgctatgct  | ttgtcatagc | gtgggcttgc  | ctgtttcgtt  | tctttaggta  | 222900 |
| tgccagtacc  | tcgtagtgga  | gcagtgtaa  | ttcacgcttc  | tttttttaggt | actggcggac  | 222960 |
| agttgaatac  | gaataactaa  | ctgttaaata | cctgatagta  | tgaacaaaat  | aaaagcgcac  | 223020 |
| atcgccgtat  | ctcttgacgg  | acatacagcc | accttagaca  | aggaactgga  | ctggttacc   | 223080 |
| cgtgaaataa  | aaaacatcgt  | tggcaagcaa | tacttggaag  | cggattgcct  | gctcatggga  | 223140 |
| gcgaacacct  | acaactacat  | ctttgaacac | tggggcgggt  | ggccgcacaa  | aagcaagcgg  | 223200 |
| tcttttgtgg  | tgacacacta  | cgacaccaac | gtaacgccgg  | actacgaggt  | ggagtctctg  | 223260 |
| accgaagaac  | cgctgcaaaa  | ggtttatgaa | ctgaaacaaa  | cgcattgacat | actggtgggtg | 223320 |
| ggtggcgga   | aactgattac  | ctcgtgtgta | aaagccggac  | tgctggacag  | tctgacaatc  | 223380 |
| tataaccgttc | ccgtcatgat  | aggcaaaggc | atcggccttg  | tcggggaaac  | attcggctcg  | 223440 |
| cagtggaaagt | tgctcgaaag  | taacgtatta | ggaaacggaa  | ttgtcctttc  | gacctacctg  | 223500 |
| tttgacggga  | acataataca  | aatgcgccc  | gtttccctcc  | gggcgcaacc  | actaaaattt  | 223560 |
| caattatcat  | aagccttaaa  | aaccatcac  | aatgaaattt  | cagcggtaaa  | gataagtcac  | 223620 |
| ttcttcggct  | ttcctttctt  | ttcagggaat | gaaaaagcga  | cattgaactg  | ttcgtccagt  | 223680 |
| accagcgaag  | catcgaaaac  | cttgccgttc | tttcccttga  | agcccttgat  | taaccgggtc  | 223740 |
| ttccgcttcg  | tcaccagttc  | gacaacctgc | ttgtcggta   | gttgcttgct  | gcacttggtta | 223800 |
| cggaaatagg  | taagcgtaca  | gtccacgttg | gaacatttcg  | ccactttcgg  | gtagaacagg  | 223860 |
| atgcgtccgc  | tgccacattt  | cggacaggga | caggtttcac  | ctccggcaat  | ggacagttgt  | 223920 |
| acggaaagca  | gttccgccgt  | gatttggcg  | gcatagacct  | cgatgccttt  | cctgaatgtg  | 223980 |
| tcggcatcca  | tgtagcccgc  | ttctatcttg | gcaaggcgcg  | tttccacat   | acccgtcatt  | 224040 |
| tcgacatcgg  | caatcttctt  | gtccttgaca | atcctgtaaa  | cggcaagtcc  | cttttctgtg  | 224100 |
| ggtataatat  | tccttttctc  | acgcacgatg | tactggcggtg | cgaacagtgt  | ttctataatc  | 224160 |
| gccgcacgag  | tggctggcgt  | acctatccc  | gcatctttca  | ggctggcttt  | caactcggca  | 224220 |
| tcctccagtt  | ccctgcccgc  | attttccatt | gcggcaagca  | ggctgctttc  | cgtatgcagc  | 224280 |
| ggcttcggct  | tggctctgctt | ttcgagcaga | tccacgccgg  | agagcgacaa  | tatttctccc  | 224340 |
| tcctgaagct  | gtggcagttc  | ggcagcttct | ccgtcctcgc  | ctgcttcctg  | ttcgttgaac  | 224400 |
| acagcccggc  | atccggcttc  | tttcattatc | gcccctttta  | cggtgaaatc  | ggtatttccg  | 224460 |
| gcggacaata  | cagcgggtgtg | aacgtctttc | acgcatttgt  | ccgaaaaggc  | ttccagcata  | 224520 |
| cgcccggcta  | ccagttcata  | gaccgccctt | tcattcttcg  | aaagtccatc  | gggcagggtt  | 224580 |
| tcggtaacga  | ttaaggcatg  | gtggtcgggt | accttgccgt  | cattcacgct  | gcggcgggtt  | 224640 |
| agtgtgttgc  | tgttcaagct  | ggcggcatat | ccggcaaagc  | gggggtattt  | tcccaacagt  | 224700 |
| gcgatgcgtt  | ccggcatttc  | ctcgaataca | tcctccgaaa  | tataacggct  | tccggttctc  | 224760 |
| ggataggaca  | tcactttctt  | ttcatacagg | ctttgtgcta  | tcgaaagcgt  | cttgtccgct  | 224820 |
| gaaaaattca  | gcttcgtgtt  | cgcttccttt | tgcaatgtgg  | taaggtcgta  | caaaaggggc  | 224880 |
| ggttcttggc  | tggttccttt  | cttctcaaca | gacttcacca  | cgagctgccc  | ggcatccttt  | 224940 |

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|            |            |            |            |             |             |        |
|------------|------------|------------|------------|-------------|-------------|--------|
| acccgttgca | gggcggctat | ggcatcggac | tgctgttccc | acttgtcggg  | cgattggggc  | 225000 |
| gtgaaacct  | ttccctcgct | ggcggtcgcc | gctttgagct | gccaaaactt  | ggtcggggaca | 225060 |
| aaattcctgt | tctccaaaaa | acggctgcat | atcatcacga | gcgtgggtgt  | ctgcaccctg  | 225120 |
| cccaacgaga | acacgccctg | tccggcggct | acgctcaacg | cttgggtggc  | gtttatccct  | 225180 |
| atcagccagt | cggcttcact | acgggacttg | gcggagaggt | agaggttatc  | gtaacgtccg  | 225240 |
| cccggctgca | aattgtccat | cccctcacgg | atagccttgt | cggtaaggct  | gcttatccac  | 225300 |
| agccggacaa | aaggcttgcg | gcagttcagg | taatggaata | tatacctgaa  | aatcaattcc  | 225360 |
| ccctcacgcc | cggcatcggg | ggcgacaata | atcctgtcgc | actggtcgaa  | cacctcctta  | 225420 |
| atcactttca | actgtttcaa | cacgccgggg | tctgccttgt | agcccttctc  | ggctttcacc  | 225480 |
| tgacggggga | ttagccggaa | atcggacgga | agtatgggca | ggctctccct  | gcgaaaattt  | 225540 |
| gccacgccgt | aggcttcggg | catggcaagc | tgtatcaagt | gcccgaacgc  | ccatgtcacc  | 225600 |
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| tgccctgtac | tccgggctgc | acatgaccgt | tgaactccac | acccttgccg  | tcctttaatc  | 226020 |
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| atgtgtagcc | acgcatcacc | ctgtcgaaat | cctttgtgtt | tttcaacgtg  | tcagcggtaa  | 226620 |
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| ttctgtttgc | cataaataat | tggaaatttt | gtggttacgg | gattattccc  | atccaaagg   | 227100 |
| aacgactaaa | tatgctatat | tttgacaggc | ggcaatgagt | gtcccgaatt  | gtcctgcggg  | 227160 |
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| taaaaaaaga | gagcgaagtc | aatcactctc | ttttgatgag | ccatttatga  | gccattta    | 227280 |
| catgtctctt | ccggctaata | atcagcattt | tgcaaaaaac | ggcattatat  | ccgtgatacg  | 227340 |
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| ctttcatcca | cccgtgcac  | cagcagttga | gaacgtatat | cgggtataata | ggtaatcatc  | 227580 |
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| attaacgggt | tatatggaga | ggatggatgg | ttttcaaaaa | gcctttcggg  | agtccagttc  | 227760 |
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| aggtatttgc  | tttttatcaa | atccatagcc | ttgtccacct  | gctccatcaa  | agcaccgtga  | 228000 |
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| gcaccgaaca  | caaacccttc | agggtcggga | tggaacagca  | gcagtgtctg  | acggttcaaaa | 228120 |
| tgtccgtcct  | cgtctatcag | acgtaaatac | tgcagcaggt  | gttcgggtctt | atctttcaaaa | 228180 |
| acaccctcgt  | ccaccgctcc | gctccttgcc | gcttccttac  | ggaaacgggt  | caatgcgctt  | 228240 |
| tccgacagtt  | cttctatctt | ggctctttct | atgggaaact  | cgtcccaatg  | cctgcctgta  | 228300 |
| cgttgcagga  | taaagcgggt | caatgccgct | cctttcaact  | cctgtttcgt  | gctaccgctg  | 228360 |
| cggtaatggg  | attgaccttt | ataattgata | gggttcgaat  | aaggcggcac  | gtcaattttcc | 228420 |
| acatactcca  | acccgtcttt | gtccaacagg | ttcacgtcca  | caatgatacc  | cagcacatca  | 228480 |
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| ccgctgtcat  | tcatgcctat | atatactctg | ccgcctgcgg  | cattggcaaa  | accacatatc  | 228600 |
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| atcatttctt  | tgtctgcaaa | attagcaaaa | atactgtgtg  | tcaggaaaga  | atatcgggta  | 228720 |
| ttcttcctcc  | tccttaatac | aatggcacag | ctccgggtca  | ttcttgatac  | gggttatctc  | 228780 |
| gtcttcgaca  | atctgccgga | cttcctgacg | gatgcgctcg  | tagttagctt  | gtatttcctc  | 228840 |
| ctgcatccga  | tcgttaccgt | ccttgcgggt | gaagtcaata  | atctgcggca  | gcttcacgta  | 228900 |
| acgggcagtt  | tcccgtttca | ccttctcggt | gtccaccacg  | atttcacagt  | ggaaaatctt  | 228960 |
| ctgttctatc  | cgttcacgca | agttgtccgc | caccgcccc   | acgaacatgc  | cttgcgtgag  | 229020 |
| gttggaatatt | ttgctggcag | gtatcaggct | gtccatctgg  | gtgcttatcg  | aggtggactt  | 229080 |
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| tatcacacgg  | ctttccttgt | ccccatagtc | acgggtaagc  | tggctgtaat  | cctgaaagcc  | 229260 |
| cagcagaacc  | gccaccttgt | tgcttcgggc | ggtggcaatc  | aggttggtcaa | gaccacggaa  | 229320 |
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| caaatgatta  | tatgctatct | ccgacaggct | gggaaactta  | taatcataac  | agtagagtgc  | 230040 |
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| agcttcccgt | ccttaatcgt | tttgccagac  | ttttccatcc | tgacacagcac | cgtttcgtag  | 231240 |
| cctaccgact | tgccgatgcg | ggatgccttt  | accgggttgc | ccaccttttc  | gcccttatcg  | 231300 |
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| ttcaacggct | tgccgttttc | gtccaccgct  | aagcccacga | tgtggatatg  | gtggcggtag  | 231660 |
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| actgataaca | gaaatgatgt  | attacattaa  | attacaatga | tatggcaaag  | caaaacggca  | 233760 |
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| cattgtcctg | ttcatggcag  | gcgtgaacca  | gtggctatgt | atcggtttca  | tcgtgtcggc  | 235440 |
| ttcgtgctg  | ctcgtatggc  | agacgttccg  | gctcaacgcc | aagtacggca  | cgcacggact  | 235500 |
| gatgaaagct | gccgcccga   | aaagacatcc  | ccgcttcac  | atcagccgaa  | aggcgatacc  | 235560 |
| cagattattc | acctataaaa  | aaagaaagga  | agaaagacca | tgaggaaat   | gttaaaggct  | 235620 |
| accacgctgg | aaaggaaatt  | tccccctttg  | gcggtggaga | acggctgcat  | catttcaaag  | 235680 |
| gatgccgaca | taacgggtggc | tttccgggtg  | gaactgcccg | aactgttcac  | cgtcaccagt  | 235740 |
| gccgaatatg | aagccataca  | ttcggcatgg  | tacaaggcaa | tcaaggtact  | gcccgactat  | 235800 |
| tccatagtac | acaagcagga  | cttcttcac   | acggagaact | accagcccga  | caccggaag   | 235860 |
| gacgaactca | gtttcctgtc  | ccggagtgtt  | gagcggcact | tcaatgaacg  | cccgttcctg  | 235920 |
| aaccattact | gttacctgtt  | ccttacaag   | acgacaagg  | agagaagccg  | ccgacagagc  | 235980 |
| gacttctcca | ccctctgccg  | gggcaggatt  | gttcgcgagg | agatagcgga  | cagggaacg   | 236040 |
| gctatgaaat | tcacgaagc   | ggttgacag   | tttgaaagga | tcacgaacga  | cagcgggttt  | 236100 |
| gtcacgctta | ccgggctggc  | ggcaccggaa  | atcaccgggc | aggacggaaa  | ggctggcatc  | 236160 |
| atcgagaaat | acttctcgct  | gtcacaacc   | gacacaacct | gcctgaaaga  | catcgggctt  | 236220 |
| taccggaag  | aaatgcgtgt  | cggggacgac  | atactgtgcc | tgacacgct   | ttcggacgtg  | 236280 |
| gaagatttgc | cggaagaggt  | cggtagcgac  | acacggtttg | aaaagctgtc  | caccgaccgg  | 236340 |
| agcgactgcc | gcctgtcatt  | cgccgccccg  | gtgggtgtgc | tgctgtcgtg  | caaccacgtc  | 236400 |
| tataaccaat | acatcttcat  | agacgacct   | gccgaaaacc | tgaaaacgtt  | cgagcagacc  | 236460 |

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| gcccggaaca  | tgcagtcgct | ttcccgtctat | tcccgtgccca | accagataaaa | caaggaatgg  | 236520 |
| atagacgagt  | acctgaacga | agcgcacagc  | aaggggcttg  | tttccgtgcg  | ctgccactgc  | 236580 |
| aacgtcatgg  | cttggagcga | tgaccgggag  | gaactcaaac  | gcatacgcaa  | cgatgtggga  | 236640 |
| agccagcttg  | ccctgatgga | atgcaagcca  | cgccacaaca  | cggctcgatac | gccacgctc   | 236700 |
| ttttgggcgg  | gcataccggg | caacgagggg  | gacttcccgg  | cgaagaaaag  | tttctacacg  | 236760 |
| ttcttggggc  | aggctctctg | cctgttcgtg  | gaagaaacga  | actacaagag  | ttcgcttttcg | 236820 |
| cccttcggca  | tcaaaatggg | ggacaggggtg | agcgggcgac  | cgctgcacat  | cgacatatca  | 236880 |
| gacctgccc   | tgaagaaagg | catcacgacc  | aaccgcaaca  | agttcatact  | tgggcccagc  | 236940 |
| ggcagcgga   | agtctttctt | caccaaccac  | atggtacgcc  | agtattacga  | gcagggggcg  | 237000 |
| cacgtgctgc  | tggtagatac | gggcaacagc  | tatttggggc  | tgtgccagct  | tatccacaac  | 237060 |
| cgcacgcacg  | gcgaggacgg | gatttatttc  | acctacacca  | acgagaaccc  | gatagcgttc  | 237120 |
| aacccgttct  | atgtcgagga | cgggggtattt | gacatagaga  | agaaagagag  | tatcaagacc  | 237180 |
| cttatactca  | ctctgtggaa | gcgggacgat  | gaagccccga  | agcggtcgga  | agaagtggcg  | 237240 |
| ttgtccaatg  | cggtaagtgc | ctatatcgaa  | cgtatcacgg  | gcgacaggtc  | ggtaacaccc  | 237300 |
| tgtctcaaca  | cgttctacga | gtttgtccgg  | gacgaatacc  | gccgacagct  | tgaacggaag  | 237360 |
| aatgtcaggg  | aaaaggactt | tgacattgac  | ggcttcctga  | acgtgcttga  | accctattac  | 237420 |
| aagggcgggc  | agtatgacta | cctgctcaac  | tccgacaagg  | aactggactt  | gctgcacaaa  | 237480 |
| cgctttattg  | tcttcgagct | ggacaatatc  | aaagaccaca  | agatactgtt  | cccgataacg  | 237540 |
| accatcatca  | tcatggaagc | ctttataaac  | aagatgcgca  | aattgaaggg  | aataagaaaa  | 237600 |
| ttaatcctga  | ttgaagaagc | gtggaagcg   | atagcgtcgg  | cgaacatggc  | ggactacata  | 237660 |
| aaatatattg  | acaaaaccgt | ccgaaagtat  | ttcggggaag  | cgattgtggg  | aacgcaggaa  | 237720 |
| gtggaggata  | ttatttcctc | gcctatcgtg  | aaagagagca  | tcatacaaca  | ttcggactgc  | 237780 |
| aagattctgt  | tagaccaaag | gaaatatctc  | aacaagttcg  | acagcataca  | gaacctcttg  | 237840 |
| ggactgaccg  | acaaggaacg | ttcgcaaata  | ttgtccatca  | acatggcgaa  | ccatcccggg  | 237900 |
| cggaagtaca  | aggaagtgtt | cttctcgtg   | ggcggcacgc  | agtcggcggt  | gtacgcaacg  | 237960 |
| gaagtttcgc  | tggaggaata | ttacacgtac  | acgaccgaag  | aaagcgagaa  | aacggaactg  | 238020 |
| ttcgcccttg  | ccgacaagct | gggaggcaac  | cttgaactgg  | ctgtcaaacg  | gcttgcgag   | 238080 |
| agcaaaaagaa | atcccggatt | atcaaccacc  | taaaaataaa  | cgatatgaaa  | ttaatggaca  | 238140 |
| atctgattta  | cacgctgctg | tccgcctgcc  | tgttggtgg   | ctgcaaggac  | agtgaagaca  | 238200 |
| aggaactgga  | aaggatgcag | ggcgactggg  | tacacgtcag  | gggacacccg  | gctttcacac  | 238260 |
| tcacggaaac  | tgacggcaga | tacaccgtca  | cccgtaaagc  | gaatgtcagg  | ggcagggtag  | 238320 |
| tggaaactac  | ttatccggtg | acagagcgga  | acggctgcct  | gttcattgaa  | acaggcttcg  | 238380 |
| gcatacagtt  | cacctacgac | aaaaagaacg  | accggataac  | gctcctgccc  | ggcgggtgaat | 238440 |
| acaggcgtgt  | tacaaatcct | aaaaacaaaa  | aatgatgaaa  | agaacgattc  | ttcttatggc  | 238500 |
| ggtatgcctg  | tgttcatgg  | gcagggcatc  | cgcccagttg  | gtggtgtcag  | accccgga    | 238560 |
| cttggctcag  | ggcatcatca | acaccgcaa   | acagattgtg  | gaaacggcgg  | gaacgaaagc  | 238620 |
| caacaccctg  | aacggctttc | tggaaacgca  | gaagattttc  | cagcagggga  | aagcctatta  | 238680 |
| cgatgcgctc  | aaatccgtgc | atgatgtcgt  | caagggcggt  | atcaaggtga  | agaaaagcat  | 238740 |
| cgaactggtg  | gcggaatct  | ccgaaatcta  | cgtaggaac   | taccaaatac  | tgctcgccga  | 238800 |
| cccgtatttc  | acggcggacg | agctggcgac  | catatcctcc  | ggttatgcca  | tgctgctgga  | 238860 |
| cgagagtctg  | gacgtgttc  | aggacttgaa  | aaatgtcgtg  | aacatcacgg  | gcatgtctct  | 238920 |
| gacggatgcc  | gaacggctgg | caatcatcga  | caatgcctac  | cgaagcctga  | tgaactaccg  | 238980 |
| caatctcgtg  | aactactaca | cccgaagaa   | catttccgtg  | tcctacctgc  | gggcaaagaa  | 239040 |
| aaagaacgac  | accgaccggg | tgctggctct  | ctacggctcg  | gcggatgaac  | gctactggta  | 239100 |
| acatcaaacy  | gacatgccta | tgttattagc  | agtagatttt  | gacaacctgc  | accaagtgtc  | 239160 |
| gcgggtgctg  | tatgacgaaa | tgatgccct   | gtgcggcaac  | atgacggggg  | tagccaaagg  | 239220 |
| gatagccggg  | ctgggtgcgc | tgttctatgt  | agccgccaag  | gtatggcagt  | cgctcgcacg  | 239280 |
| ggcggaagcc  | atagacgtgt | acccgcttct  | acgcccattt  | gcgctggggc  | tgtgcatcat  | 239340 |

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| gttcttcccc  | acgttcgtgc  | tggggactat | caacacggtg  | ctgtcgccga  | ttgtgaaagg  | 239400 |
| atgcagccag  | cttatggaaa  | cgcagacctt | cgacatgaac  | gagtaccggg  | cacagaaaga  | 239460 |
| caggctggag  | tacgaagccc  | tgatgcgaag | cccggaaacg  | gcatacctcg  | cttcggacga  | 239520 |
| ggaatttgac  | aggcaactgg  | aggaactggg | ctggctcgcc  | tccgacatgg  | ttaccatgac  | 239580 |
| gggcatgtac  | atggacaggg  | cggcatacaa | catcaagaaa  | tccgtccggg  | actggttcag  | 239640 |
| ggaactgctg  | gaaatactct  | ttcaggcagc | ggggctgatt  | atcgacacgc  | tgcgcacgtt  | 239700 |
| cttcctgata  | gtgctctcga  | tactgggtcc | gctggcgctt  | gccctttccg  | tctatgacgg  | 239760 |
| tttccaaagc  | acgctgaccc  | agtggatttc | acgctatatc  | tcgattttacc | tgtggcttcc  | 239820 |
| cgtgtcggac  | ttgttcagca  | gcgtgctggc | acgcatacag  | acactgatgc  | tccagaagga  | 239880 |
| catcgagcag  | ctttccgacc  | cgaacttcat | accggacggg  | agcagtaccg  | tgtatgtaat  | 239940 |
| ctttatgatt  | atcggcatcg  | tgggctactt | caccgttccg  | acagtggcag  | gctggattgt  | 240000 |
| gtcagccggg  | ggtacaaccg  | catacaaccg | caacctgaca  | cgtgcgggcg  | cactcacggg  | 240060 |
| tgcggcggcg  | ggtgcggcaa  | ccggaaagat | tgcaggaaaa  | cttctcaaat  | aaccaacttc  | 240120 |
| aatttttaga  | atatggaatt  | caagtcattg | acgaacatcg  | aaacgagctt  | ccggcaaattc | 240180 |
| cggctctttg  | cgctgggtatt | catctgcctg | tgcgcactgg  | tcacgggctt  | tgccgtgtgg  | 240240 |
| aactcgtaca  | gcttcgccga  | aaagcagcgg | cagaagatat  | acgtcctcga  | caacggcaag  | 240300 |
| agcctgatgc  | tggctctctc  | gcaggacatg | gcgcagaaca  | gaccgattga  | agcgaaatcg  | 240360 |
| cacgtgaagc  | gtttccacga  | actctttttc | acgctctcgc  | ccgacaagga  | cgccatcgag  | 240420 |
| ggaaacatca  | aacgctccct  | gttcctcgcc | gacaggagtg  | cgttcaacta  | ctacaaggac  | 240480 |
| ttgtcggaaa  | agggctacta  | caaccgtatc | atttcgggca  | acatcaacca  | gacggtggag  | 240540 |
| attgacagcg  | tgaaatgcga  | cttcaaccag | tacccttaca  | aggtgagaac  | ctatgcccg   | 240600 |
| cagcttattg  | tccgggaaag  | cagcctgacg | gtcagaagcc  | ttgtcaccac  | gtgcaggctc  | 240660 |
| ctgaacgcca  | cacggagcga  | caacaacccg | cacggcttca  | tcattggaagc | gttcacgatt  | 240720 |
| gacgagaaca  | gggatttgca  | aaccattaaa | cgatagcctt  | atggagagga  | agcgaaatta  | 240780 |
| cattgaaacg  | gtgcgggact  | gggcggatga | acgcctgcgc  | cgcctgtgcg  | ggcgtatcac  | 240840 |
| gccgggcaag  | cggctggcgg  | tcattcctcg | gatgtccgcc  | ctgttcggcg  | gcttgtccct  | 240900 |
| ctatatcacc  | gtttcgtcca  | tttacaacat | cgggaaacgg  | gacgggcaaa  | ggctgcaaat  | 240960 |
| cgaacacatc  | cggcagttcc  | cgctgcacgg | taacgacagt  | atcaatttta  | caaacagacc  | 241020 |
| tgaatatgga  | agaagtacag  | aaaaatgaac | cgggcagaca  | gcccgaaaaag | gagaagaagc  | 241080 |
| ccaaacggga  | actttccccc  | aaagaggtgc | agcggcgcag  | gaaaatgata  | gtcttcccg   | 241140 |
| tgatgttcct  | cgcctttgca  | gggtgcatgt | acctgatatt  | cgccttccct  | ggcaaggaga  | 241200 |
| aagcggaaac  | ggaaagcgtg  | ggcggtttca | atgccgacat  | cccgtgccc   | gcagaggacg  | 241260 |
| ggattatagc  | ggacaagcag  | accgcctacg | agcaggcgat  | aatgagccgg  | aaacggcagg  | 241320 |
| acaggataca  | atcccttcag  | gacttcggtt | tcattagggga | cgatgaaacg  | gaagaaccgc  | 241380 |
| aggcggaaagc | cggactgatg  | ccggaagaaa | atccgaagcc  | cgtgcggggc  | ggcggcgctt  | 241440 |
| cttcctcggc  | gaccgcctac  | cgggacatca | accgccagtt  | gagcacgttc  | tatgaaacgc  | 241500 |
| ccccggagga  | cagggaaaaa  | gaggacttga | aacggcaggt  | ggcggaaactg | accgaaaagc  | 241560 |
| tggaacgtca  | gcgggaagcc  | acgcccaccg | ctgacgaaca  | gatggctcta  | ttggaaaagt  | 241620 |
| catacgagct  | tgccgcaaaa  | tatgcaggcg | gcgacaggca  | ggcggcacia  | gtgccagtcg  | 241680 |
| tgggcgacat  | cgaaaagaag  | ccggaaacgg | tgtccgtgca  | ggcagtagcg  | gaaaacgccg  | 241740 |
| tttcagggtg  | gcaacagccc  | atgagcgatg | ccgattttat  | ccgtgcttac  | agccagccac  | 241800 |
| gcaactacgg  | tttcaacacg  | gcggtaggaa | cgggtacgc   | aatgggcagg  | aacacgatag  | 241860 |
| ccgcctgcat  | ccatcaagac  | cagacgtgta | cggacgggca  | gacggtaaaa  | ctccgactgc  | 241920 |
| ttgaacccat  | gcaggcgggc  | aacatcgtca | tcccgaagaa  | tacccttgtg  | gcgggcacgg  | 241980 |
| caaaggtaca  | gggcgaacgt  | ctcgacatac | tgggtgcctc  | gatagagtat  | gcgggaaaca  | 242040 |
| tcattcccgt  | ggaactcgcc  | gtgttcgaca | cggacgggca  | aaaggggctt  | tccgtcccgt  | 242100 |
| cctcgatgga  | gcaggaagcc  | ttcaacgagg | cgatggcgaa  | tatcggcagc  | gggctgggta  | 242160 |
| caagcatttc  | ctttacgcag  | aacgccgggc | aacaggtggc  | gatggacgtt  | acaagggggc  | 242220 |



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| aagccgggta  | caggggtgatg | ctttacgcca  | aacagcaata | atcatttgac  | aaaccactaa  | 242340 |
| aattttccaat | taacgatgaa  | acagattttt  | gtaatgtgcg | ccctcctgct  | gggctgtgt   | 242400 |
| gcggcaaacg  | cacaggaaac  | cgacacgggtg | aagtatgcgg | caggcaacga  | cttgtaccgg  | 242460 |
| ggtatcaccc  | gaaagctgcc  | ttaccgacaa  | atggtaacgc | cctacggcgt  | ggaagtgact  | 242520 |
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| tcattcaacg  | ccaagtatgc  | ccgtgagccg  | gaaatgctca | acatcgaaat  | gaaggacttc  | 242760 |
| ttggaaaaatg | aagatacgtc  | cgacttttcg  | catacccgc  | tgaacatcta  | tttccgggaa  | 242820 |
| ctgggaaatg  | aaagcccgtc  | gctggtaaaa  | ctgataatgc | agagcatcta  | caagaacaat  | 242880 |
| gaccgtaaaag | tgcgacactt  | gggcagcaag  | cgtttcggca | tacagttctt  | aatcaagggg  | 242940 |
| atttacacct  | ataacgggat  | gctttacgtg  | catacgcaga | cgaagaacag  | ttccaacgtg  | 243000 |
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| ctgctgctgg  | tggagcttta  | cgagaagaac  | ggcggtcggc | atcagaccat  | acgggtggag  | 243240 |
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| aaacacatct  | ttataatgac  | actctttgcg  | ctgtgcctgc | atttgaacca  | ggcacacgcg  | 243360 |
| caaagatacc  | ttccgggcat  | gaaagccttg  | caggtaacgg | cgggcatggc  | agacggggta  | 243420 |
| catttgaact  | ccgacacgga  | ttttgacctg  | catttcgggg | cggcatacag  | tgtttatacc  | 243480 |
| aagaacgcc   | accgctgggt  | gattggcggg  | gaatacctgc | ataagaagta  | tgactacaag  | 243540 |
| gatatgcgca  | ttccggtaga  | acagttcacg  | gcggagggcg | gctattacct  | gaaatttcctt | 243600 |
| tcggacaggg  | gaaagacctt  | tttcctctcg  | ctggggctgt | cggctctcgc  | cgggtatgaa  | 243660 |
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| gctggaaatg  | gataacggta  | cgggtgttct  | gccaatgac  | ctgtaccgcg  | tggagaaaga  | 244200 |
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| ataacttgggt | tcaggcatga  | attgataaac  | gccccggcag | acaaggagct  | atggggaaaa  | 244440 |
| gaaatggatt  | gatacacaat  | gtgtatgtta  | tgaaaatcta | cccgccgaaa  | atatcggcgg  | 244500 |
| gtgttttttt  | attagggaa   | acggtcgggt  | ttctttggct | actttatttt  | ccggcactca  | 244560 |
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| ataggctcac  | cgaaaattac  | cgtcatcgtc  | tgaagtcgg  | gttcgtctgc  | caacagtcgc  | 244860 |
| aaatggtgca  | gcgtgccgaa  | ctcgtccgtc  | ttgcgtcccc | atgcccaatc  | ttccgtgtac  | 244920 |
| aaatcatcgc  | cccactgctg  | ttgcttatcg  | aaatgcactt | tcacgtttac  | agaatacttg  | 244980 |
| ttttcctcga  | tgtcctcaat  | aacacccgtt  | accatcatgc | ccgtaaaaaat | acactcgcaa  | 245040 |
| cgtctgccga  | ttaggttctt  | gtttacttct  | gtcgttttca | tacccttaaa  | atttatctgt  | 245100 |

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|            |            |             |            |             |             |        |
|------------|------------|-------------|------------|-------------|-------------|--------|
| tattaccctg | ttctttcttt | tctatccatt  | tttccgcct  | gtggcggcac  | tctgccagcg  | 245160 |
| ttttagccac | tgtggaaaac | agttcccgt   | ccgtgtggcg | gtagtcgtac  | tggtaaaata  | 245220 |
| tccgtccctt | gaatgcgacc | ggacggtatt  | ttacaaactt | ttcctctccc  | ggtgcttggg  | 245280 |
| tgatgctcac | cccgtttctg | ttcaatgatt  | gcatgatatt | ccgtttttat  | tcgttatata  | 245340 |
| ctcaatagg  | aaagcaacag | caggaaaagc  | agagccacgc | acaacgcata  | aaacgccgac  | 245400 |
| aggcagacc  | ggagcaggaa | acaggcggca  | cgaaatacaa | gatatgccgt  | taccgccgtg  | 245460 |
| attgctccgg | ctgtgcaggc | gagccgccac  | acaaggcaga | acaataacac  | ccgcaggatg  | 245520 |
| attttataaa | tgcttttccg | tttcatcggt  | tctctgttta | tgcgggcagg  | gcttttaacc  | 245580 |
| ccgcccgaat | ggtcgtttta | gccgcccggg  | atacaaacc  | gtcatcaaac  | cagtagtcgc  | 245640 |
| acatgaacaa | atcacgggca | aactgtttgt  | agtcgaaata | ggtttttgcg  | aactccggca  | 245700 |
| ggtcgtaaca | ttcttccacg | atttggtagg  | cgaaatcttc | ttcatcgtca  | tattgtccct  | 245760 |
| gatattcgtc | ctgaaagtcc | cgtacaaggt  | cgtccgcac  | ttcctcgctc  | aaatcatggc  | 245820 |
| ttttgtagtt | gcaccacacg | aaaaaggctt  | cctgttcggt | gtcgcccaac  | ttttccaccg  | 245880 |
| catcccgcaa | ggtgaagaag | ttctctgaaa  | tccagctttc | gccgattagg  | ttttccggta  | 245940 |
| cgttctccca | gtcctgaaac | atatactccg  | catcttcttc | gtccttatga  | agctcccggc  | 246000 |
| aggcttcgta | aaaatcttcc | ttgtccgaat  | agtccgacag | gtcaagccat  | gccccgaaca  | 246060 |
| atgaaccgtt | gttgacttg  | ccataagtgc  | ctacataaac | tcttgcttcc  | gataatgttg  | 246120 |
| ctacttccat | atcctgtaat | ttttaagttt  | ttaattttat | gcggatttga  | gaggtgaggg  | 246180 |
| agttgaagtt | tactgaact  | tttttctgt   | ttcccgtaaa | tccgactttt  | tttttatgcg  | 246240 |
| tcttccggtc | gggtcggtcg | ttttcgtttc  | acataggctt | aaaagggcag  | tgtttagagt  | 246300 |
| ttgcagggtt | ttgtggaaaa | aatacctcgc  | aacgaatgtc | gcagggaaga  | tttttctgcc  | 246360 |
| aaacctgaaa | aggcttgacc | ttgcaaacc   | gtgaagaaca | cgtaactacc  | tttgccctatt | 246420 |
| gaaatgataa | aaacgacctc | ccggttgagg  | gactgcttaa | tgaggaagat  | ttacagggtt  | 246480 |
| ggaaacagg  | gaaaagttct | tgttcccat   | tcagtccatt | aggggaattgc | ctatgcgggc  | 246540 |
| gggaaaaaca | agtgtatcgg | gagttcacct  | tccgatactc | ttgtgcgggt  | ttccaaaggc  | 246600 |
| tcttttcacg | aaagacagtc | tgcgatgcca  | tgcaccgctg | gcgtttcgag  | gaatgtggct  | 246660 |
| ttggaaaagg | atataaaaaa | tacgggtagt  | ccacagactg | cccgcgatgat | ggatgatagc  | 246720 |
| cattggcgaa | ataggcgat  | ggcgaatgtt  | gtcaggagtt | atcaciaaatt | gtgatagctc  | 246780 |
| ccgatcatca | ctcgtctttg | cccaactcaa  | acatggaata | accgggaaag  | catctgcaag  | 246840 |
| cccataattg | tatattttaa | ggattaagta  | atgttggaat | aatgcagcaa  | gaacagggtc  | 246900 |
| cagtttacga | cctgttccct | ataatcaaaa  | tcacatggcg | acttccttat  | aaatcttttc  | 246960 |
| gataccgaca | aatttcttgt | caagcccctg  | catatcgctg | ctaactcttgt | tgttagtgat  | 247020 |
| gcgggcgtaa | atttgtgttg | tttcaatgtt  | agtatgtccc | agcatcttgc  | tgacggtttc  | 247080 |
| aatgggcaca | ccctttgcc  | gcgtggtggt  | cgtggcgaa  | gtgtgccggg  | caagatggaa  | 247140 |
| tgtgagggtc | tttttaatcc | cgcacacatc  | ggcaatctct | ttcaggtagg  | cattcagctt  | 247200 |
| ttggttgctg | attataggtg | atatttttcc  | gtccggcagc | ttgcctttgt  | atcttctcaa  | 247260 |
| tatcattttg | ggaatatcca | acaggggaac  | attcacgtcc | gtgttggtct  | tttgccgctt  | 247320 |
| cgtcattatc | cacagattac | cgtcaaatga  | ctttcggata | ttctcttgcc  | gcagggttggc | 247380 |
| gacatcactg | taagccagac | cgcagaaaca  | ggaaaagatg | aacaagtccc  | tgacgtgttc  | 247440 |
| caaacgctcg | gaagccattt | tctttttgag  | gatgattttt | atctcgtctt  | ccgtcaaata  | 247500 |
| gcccctgtcc | actttttcca | gccggatttt  | atagctggcg | aacgggtctt  | tgtccagtat  | 247560 |
| gccattgttt | cgggctatga | tgatgatgcg  | cttgaaaaac | tgcatgaact  | tgccggtggt  | 247620 |
| ggttgaaccg | cacttgacgg | ctgtacgcaa  | atataactcg | aaatcggtaa  | tgaacatcgg  | 247680 |
| ggttatttcc | cggatggaaa | tatcagaaaag | gttatattta | ctctgtataa  | actccgcaag  | 247740 |
| gtgacggcgt | gtaacctcat | acttgcggtg  | ggtcgctatc | gtcttgata   | tgccaacaag  | 247800 |
| ctgtttcacg | tcctcattgt | gcttttgtaa  | caaggtaagg | atggtttcgt  | ggttctcgct  | 247860 |
| gtgtcccaaa | aactcgtttt | taactttctc  | ggcagtaacg | taattatcac  | gccgctgcat  | 247920 |
| ttcgtggtag | atggtgttca | gcgatgcgtt  | tatatcgctt | aacatacggg  | tgatacgtcc  | 247980 |

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|             |             |              |            |             |              |        |
|-------------|-------------|--------------|------------|-------------|--------------|--------|
| ggcttccgct  | gtgcgtccga  | tagccttgcc   | agccttaccg | tcccacattt  | caggcaacac   | 248040 |
| gtccaatttc  | gtattaaaac  | ggcttgccac   | accgtccact | gtgatacggg  | cgaaaagggg   | 248100 |
| gtacgcaccg  | cccgccttct  | gcttgtcttt   | ctttgcgtaa | aagcaaagt   | tgaatgtcga   | 248160 |
| tttcatatac  | tcacttttta  | gttacaaaaa   | tactgtaaat | gcttaaaaaat | gagttttatg   | 248220 |
| caggctcgcc  | aaacaccgac  | agaagttcgc   | caattcccga | ctatctgtac  | cccctttttg   | 248280 |
| atthttgtttg | tcgggggtac  | gagttaggtt   | agaaaccttg | tcttttaggg  | gcgaaaaaat   | 248340 |
| gtactttaag  | gcagacacaa  | ggggataaaa   | aaagtcccac | aatcattga   | atthttgtggga | 248400 |
| cttgtctgtt  | cgttgtccgg  | ttttgtccgt   | aacgttcagc | ggagagacag  | ggattcgaac   | 248460 |
| cccgggtacc  | tcgcgggtaca | acggttttca   | agaccgccc  | aatcgaccac  | tctgccacct   | 248520 |
| ctccaaaaact | cttttttagga | gtgcttcctt   | tcaaaagcga | tgcaaaggta  | cataatatth   | 248580 |
| tgtaataagc  | aagcatttgc  | tcaaaaaaag   | tttgcaggaa | gtgggctttt  | gataataaat   | 248640 |
| ccttatcttt  | gtagaatcaa  | taactataag   | aaataacgtg | attatgaata  | aggctattat   | 248700 |
| tacggtggta  | ggtaaagata  | cggtaggtat   | cattgcaaaa | ttgtgctctt  | atthttggcaga | 248760 |
| gaacaatgtg  | aatatattgg  | atatttctca   | gactatcgtt | caggaatatt  | ttaacatgat   | 248820 |
| gatgattgtc  | gatatgacaa  | acatacagaa   | gccttttgag | cagattgtca  | acgaactgac   | 248880 |
| agaaaactgga | aatgcaatcg  | gcgttcaggt   | aaaatgccag | cgcgaggaga  | tattcaataa   | 248940 |
| aatgcatcgt  | atthaaaaac  | agctattact   | atgattaata | tatccgaggt  | tctcgaaacc   | 249000 |
| aataagatga  | tagagaagga  | aaatctggac   | gtgcgtacca | ttaccatggg  | tattaacctg   | 249060 |
| ctggactgcg  | ccgacggtaa  | tctggatgtt   | ctctgtcaga | atatatataa  | taagatgaca   | 249120 |
| cgcctggcca  | agaatctggt  | gaagaccggg   | gaggatatct | ctaaggaata  | cggatttctt   | 249180 |
| atcgtgaaca  | agcgtatctc  | cattactccg   | attgcttttg | ttggcggaac  | ggcatgtcat   | 249240 |
| acgccggacg  | attatgtgaa  | gattgctcag   | acgctggata | aggtggccga  | agaactgggc   | 249300 |
| gtaaaacttta | tcggaggata  | ttcggctatc   | gtatcaaaag | gtatgacacg  | gagcgacgaa   | 249360 |
| ctgctcatcc  | gttccatccc  | gaaggcactg   | gcatgtacag | agcgtatctg  | tagttcgggtc  | 249420 |
| aatgtaggtt  | ctacccaaaac | aggtatcaac   | atggatgctg | tccgcctgat  | gggagaaaatt  | 249480 |
| atcaaggaaa  | cggcagagct  | gaccaaagag   | cgtgattcgc | tgggatgtgc  | caaactgggtg  | 249540 |
| gtattgtgta  | atgctcccg   | tgataatccg   | ttcatggcag | gtgctttcca  | cggcgtatcg   | 249600 |
| gaagacgatg  | cgattatcaa  | tgtcgggtga   | agcgggtccg | gcgttgtgaa  | gtatgcgctg   | 249660 |
| gagcaggttc  | gtggagaagg  | cttcgaggtg   | ctttgtgaaa | ccatcaagcg  | tacggctttc   | 249720 |
| aagattaccc  | gcgtgggaca  | gctgggttgcg  | caggaagcgt | cacgtcgact  | gggcgttccg   | 249780 |
| tttggtatca  | tcgacttgct  | tttggtccg    | actccggcta | tcggtgacag  | tgttgccgag   | 249840 |
| atthttgcagg | aaatcggact  | ggaacatccg   | ggtgctccgg | gtacgacagc  | ggctcttgcc   | 249900 |
| ttgctgaacg  | atcaggtaaa  | gaagggtgga   | gtcatggctt | cttcgtatgt  | gggaggattg   | 249960 |
| agcgggtcct  | tcattccggt  | cagcgaggac   | cagggtatga | tcaatgcggt  | agaagcaggt   | 250020 |
| gcgctgacta  | tcgagaaaact | ggaagcaatg   | acttgcgtct | gctctgtagg  | tctggatatg   | 250080 |
| attgccattc  | cgggctctac  | atcggctgct   | accatatcgg | gcatcattgc  | cgacgaaacg   | 250140 |
| gctatcggta  | tgatcaacca  | gaagactacg   | gcggtacgta | tcattccggt  | ggtaggtaag   | 250200 |
| gaagttggcg  | atacggtaga  | atthttggagga | ctgctgggat | atgcacctgt  | catgccgggtc  | 250260 |
| aacagtttca  | gttgtgaggc  | ctttgtgagc   | cgtaaaggac | gtataacctgc | accgattcat   | 250320 |
| agctttaaga  | attaatcaac  | tagatttccg   | ctgtcatctg | gtaagctgat  | tgctcagaca   | 250380 |
| tcgggagccg  | gaatggattt  | tagaaaatga   | ctagtcctaa | ataaccgtta  | cagttatttg   | 250440 |
| acaaaaataa  | attatthtct  | acagttcagc   | aaggtcagtc | ttgctgaact  | gtttgttttt   | 250500 |
| gtaactttta  | atthttaatca | gcttctgatg   | atgcatatac | tccggcgttt  | tatacccaca   | 250560 |
| agagtaaatga | ggtctgatgt  | tattatactt   | gtagacagca | tcccttatta  | cctgtttcat   | 250620 |
| atctgatagc  | ggtagattaa  | gttcctcaag   | caggaactcc | tgthtttagta | ttccgtttat   | 250680 |
| tcgttctgcc  | acggcattag  | cgtacggatc   | gtaagattca | gtcatgctgg  | gtatgatgtg   | 250740 |
| atattgtccc  | agtaatttct  | gatatgcatc   | ggaacagtac | tgtataccac  | ggtcagagtg   | 250800 |
| gtgtatcaat  | ggcgtgtccc  | tatacagtcg   | gttgcggttt | gccatcctca  | gcgcgttcaa   | 250860 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| agaaccttga  | gtgtccaagg | aatcggaaag  | atcatatccc | ataatcttct  | tggaataagc  | 250920 |
| atctgtaacc  | agagaaagat | acatatgccg  | gtttctattg | ccaatataag  | taatatacaga | 250980 |
| aacccatatt  | tcttccgggc | gtgtcgcttc  | catactttct | acaaaatttt  | tgtgcttccg  | 251040 |
| aaaccggtga  | tgcaagttgg | ttgttacatg  | atatgaacgt | acgggcttta  | taagcagacg  | 251100 |
| gttggcacgg  | agtatatcga | acagtttgtc  | cctgcctacc | ttgttctcct  | taagtggctg  | 251160 |
| atgaagcata  | tgataaagtt | tgcgggttcc  | tacacgtggc | agttccattc  | ggatatctcg  | 251220 |
| taccatgccc  | acaacatcag | tggccctttg  | ccggcctcgg | attatcttcc  | attgctgacg  | 251280 |
| gtaatatatt  | tgcttgctta | tcccagacag  | tcggcagatt | ccgctgatac  | ttacggattt  | 251340 |
| ttcttcttta  | tatttattga | ctgttcggga  | gaggagtttt | ttcgtatgtc  | gatattatat  | 251400 |
| tccttttccg  | ctatgtctat | catcatgtcg  | aaaaactctg | ctttcatatc  | cttcagctca  | 251460 |
| agctcctttt  | ccagacgggc | attcttgcgt  | tccaggaacc | ttactttctg  | ttgtagttct  | 251520 |
| aacagttttt  | gatccttact | cttttcata   | gaatggtaac | atgtgtttgt  | gatatacaag  | 251580 |
| ttaccatatt  | tttcaatcca | acggctaata  | gttgaacatc | cttgatccc   | atattttcgt  | 251640 |
| ttcagcgctc  | ccaaacttat | ttttgtggtt  | tcatactctt | gcactactga  | tagtttaaag  | 251700 |
| gacatactgt  | aatctttttg | tgtgcgctta  | acgtactttg | tttctgtctt  | ttccataatg  | 251760 |
| ttaccttttt  | tgttgtaacg | ctatttcagg  | actagacaaa | ataaagagaa  | aggaagtctt  | 251820 |
| gccggagaaa  | agcctccgga | aggcttcctt  | ttttcgtact | tgggggagag  | tatttcagga  | 251880 |
| caggccatcc  | tgaatagaca | ctgaagcatg  | aaagttgctt | tttaggctgg  | catgtaatgc  | 251940 |
| cgtgtaaccg  | attgcttcaa | gctggcagat  | agtgccgaa  | gtgtgaaaat  | tgttttgtcg  | 252000 |
| tagcgtgcaa  | atgtgttagg | acactgctgg  | aattgtgcta | tctttgtgcc  | tgaaatagat  | 252060 |
| tgactgtatg  | acagattatt | tgaatgaact  | gaatgagagt | cagcgggctg  | cgggtgctgta | 252120 |
| taacgacgga  | ccttcgctcg | tgattgctgg  | agccggatcg | ggtaagacc   | gcgtgctgac  | 252180 |
| ctataagata  | gcttatctgc | tggataacgg  | ttacgaaccg | tgggtccatcc | ttgccttgac  | 252240 |
| gtttaccaat  | aaggcggcgc | gtgagatgaa  | agagcgtatc | gcacgtcagg  | tgaggagcaga | 252300 |
| gcgggcacgc  | cgtttatgga | tgggaacttt  | ccattccatc | ttttcgcgta  | ttctgcgtgc  | 252360 |
| ggaggcggaa  | gccatcggtt | tctcgtcgaa  | ttttaccatt | tacgattctg  | ccgattcgaa  | 252420 |
| aagcctgata  | aaggccatta | tcaaggaaat  | gcagctggac | gataagacgt  | acaagccagg  | 252480 |
| gatggtgcaa  | tcacgcatca | gtaatgccaa  | gaatcatctg | gtgtcgccc   | aggcctatgc  | 252540 |
| tgccagccgg  | gagttttacg | aaaacgattc  | ggctgccagg | gtacctgcca  | tacgcgatat  | 252600 |
| ttaccgccgc  | tattgggagc | gttgccggca  | gagcgatgcc | atggacttcg  | acgatttgct  | 252660 |
| ggtttacacc  | tatatattat | ttagcaagca  | tccggaaatc | tgcgagaaat  | atgcttcgca  | 252720 |
| cttccgctat  | gtgctggtgg | atgagtatca  | ggacaccaac | tatgcacagc  | attgcatcgt  | 252780 |
| gatgcagctg  | actgaaaaat | accgtcgggt  | ttgtgtggtg | ggcgacgatg  | cgcagagtat  | 252840 |
| ttactctttc  | cgtggagcca | atatcgacaa  | tatcctgaag | tttaccagcc  | tgtacaagga  | 252900 |
| tgtcgcctg   | ttcaagctgg | agcagaatta  | ccgttctacg | cagaccattg  | tcaaggcggc  | 252960 |
| caacagcctg  | attgagaaga | accgggaaca  | gatacgcaag | gaggtgttct  | ccgaaaacga  | 253020 |
| caagggggaa  | ccgattactg | tgttcaatgc  | ctatagtgat | gtggaagaag  | gagagatcgt  | 253080 |
| tgccaacaag  | attgctcagc | ttcgggcaaa  | gaacggttat | tcgtacgacg  | attttgccat  | 253140 |
| tttgtagccg  | accaatgcac | agagccgtat  | cttcgaagag | gctttacgca  | agcggggcat  | 253200 |
| gccttatcgt  | atctatggag | gcttgtcttt  | ctaccagcgg | aaggaggtaa  | aggacgtgat  | 253260 |
| cgttatattc  | cggctggcgg | tcaatccgaa  | cgatgaagag | gctttcaagc  | gcgtcatcaa  | 253320 |
| ttatccggcg  | cggggaatag | gcagtacgac  | gctgaacaag | attatcgatg  | cagccaatcg  | 253380 |
| caatcaggtc  | agcctgtgga | aagtgggtgac | cgaaccgctt | gcctatggac  | tggatctggc  | 253440 |
| aaaagggtacg | cataccaaac | tgcaaggatt  | ccgcagcctg | attgccggat  | tcgtggaggc  | 253500 |
| tgttccgcag  | accagtgcct | acgagctggg  | taagaatatc | gtccagcagt  | cgggcattat  | 253560 |
| cagcgatatt  | tatcaggacc | gttcgcccga  | gaacctgagc | cgtcaggaaa  | atatcgagga  | 253620 |
| actgataaac  | ggtatgcacg | atttctgtgc  | cgaccgtgaa | gaggagggca  | acacgcattg  | 253680 |
| cttgctgact  | gactatcttt | cggaagtttc  | tctgcttacc | gatcaggaca  | gcgagggaga  | 253740 |

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|             |             |             |             |             |            |        |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| tgacgatgcc  | atgaaggtga  | cgctgatgac  | cattcactcg  | gccaaggggc  | tggaattcaa | 253800 |
| gaatgttttc  | gtcgtggggc  | tggaagagaa  | tctcttcccc  | agtccgatgg  | caggcgactc | 253860 |
| gtacaagcag  | ttggaagagg  | aacgccgttt  | gttttatgta  | gccataacc   | gtgccgagga | 253920 |
| acactgtttc  | ctgtcgtttg  | ccaaaaccgc  | tttcaagtac  | ggtaagatgg  | aattcagcag | 253980 |
| tcccagccgt  | ttcctgaaag  | atatcgatgc  | ccgttacctg  | aacctgccgc  | aggaagatgt | 254040 |
| catctcccg   | aagatagacg  | aaggagcaag  | tcgtttccgt  | cgggaggtgg  | cagccgatac | 254100 |
| cccacggtat  | acgcgcgaca  | gttcaccttc  | catgttcgac  | gggggagaga  | ttcctcagga | 254160 |
| accccgcgc   | tttgtcaagc  | cggcacctct  | gcgggtattg  | cgcaagatac  | cttctgcttc | 254220 |
| ggcttccacc  | ggtacgtcga  | cttctctgt   | cggcagcgga  | gtgcacgccg  | gacagcagat | 254280 |
| agaacacgaa  | cgtttcggca  | taggtgaaat  | cgtcaaggtg  | gaaggagcgg  | gcgataactg | 254340 |
| taaggcgacg  | gttcgtttcc  | gcaatgcggg  | cgagaaacag  | ctgttgctga  | aatttgcacg | 254400 |
| atttaaaata  | atagaataag  | ataacagata  | tgctagatgt  | aacaaaagtt  | ccttctccct | 254460 |
| gctatgtcat  | ggaggaggat  | ttgctcagaa  | agaacctgag  | tctgataaag  | agtgtggccg | 254520 |
| accgtgccgg  | agtggaaatc  | attctggcct  | tcaaggcatt  | cgctatgtgg  | aaatcgttcc | 254580 |
| cgatattccg  | cgagtacatt  | cattacacca  | ccgccagctc  | tgaatatgag  | gctcgtctgg | 254640 |
| ctttcgagga  | gttcggaagc  | aaggcgcata  | cgtactctcc  | ggcttatacc  | gaagccaatt | 254700 |
| tcccggcttt  | cctgaagtat  | agcagtcaca  | tcacgttcaa  | ctcgtctgtc  | cagttcgagc | 254760 |
| gtttttatcc  | gcagggtgaag | gcttatccgg  | aacatgtatc  | gtgcggcata  | cgtgtaaacc | 254820 |
| ctgaatactc  | ggaagtggaa  | gtcgagctgt  | ataatccttg  | tgctccgggt  | acccgcttcg | 254880 |
| gcgtgactgc  | cgatttgctg  | cccgaaccgc  | tgccggaagg  | gatagaaggc  | tttactgtc  | 254940 |
| attgtcactg  | cgaatcgagt  | tcgtacgaac  | tggaacgcac  | gctgaagcat  | atcgaagaga | 255000 |
| agtttgcccg  | ctggttcccg  | caactgaaat  | ggctgaatct  | gggcggagggt | catctgatga | 255060 |
| cgcgtaagga  | ttacgatgtg  | gagcatctta  | tcggattgct  | gaaaggactg  | catgagcggt | 255120 |
| atcccaacct  | tcagattatt  | ctggaaccgg  | gttcggcctt  | tacctggcag  | accggtccgc | 255180 |
| tggtagcatc  | ggtggtcgat  | gtggtggaag  | gcagaggtat  | ccgtacggct  | attctcgatg | 255240 |
| tcagcttcac  | ctgtcacatg  | cccgaactgc  | tggaatgccc  | ttatcagccc  | aaggtacgca | 255300 |
| acgctgaaac  | gcttccaccc  | gatgcgggtc  | agacgggtgc  | tcccgaagaa  | catgtctatc | 255360 |
| gtctgggagg  | aaacagttgc  | ctgagcggcg  | actacatggg  | aagctggaag  | ttcgaccatg | 255420 |
| aattgcaggt  | aggcgaacgg  | atagtgttcg  | aagacatgat  | acattatacg  | atggtcaaga | 255480 |
| ccaacatgtt  | caacggcatt  | catcatcctt  | ccatcgcttt  | gctccattcc  | gacggcgaac | 255540 |
| tggaatatata | cagaaacttc  | cgttacgagg  | attaccgcga  | cagaatgtgt  | tgatggatgc | 255600 |
| agcagatgcc  | ggagttttcc  | ggaggttgcc  | gtgatattac  | atagaagttt  | gtacaaaagt | 255660 |
| tttagtcttt  | tgtacaaaaa  | cttcgatttt  | ctgtacaaaa  | aatagctgag  | gtgcctgcac | 255720 |
| ggatttgtct  | gaatgtgcag  | gcacttcttt  | tttcttttcg  | tgcagaaaag  | aaagaagtct | 255780 |
| ggttatcagc  | agaaattctt  | gcaggggacc  | ccgcggtacg  | catcctgctt  | agtcggagcc | 255840 |
| ggaatgcctg  | atattgtgcg  | gggctgtatac | ccttatgaga  | gtgcatacgg  | aaacattcta | 255900 |
| ctagtttttc  | gtgaaaaaaa  | tatcttaatg  | ttttggagggt | ttcgaaaaaa  | gcattacctt | 255960 |
| tgcactcgca  | atcgggaaaa  | ccgcttgctc  | ttaatgttac  | aatgcggaaa  | tagctcagtt | 256020 |
| ggtagagcat  | aaccttgcca  | aggttaggggt | cgcgagttcg  | agtctcgttt  | tccgctcaaa | 256080 |
| gcacaaaggt  | ttgcgcagaa  | agaagcccag  | gtggcggaat  | ggtagacgcg  | cacgtttcag | 256140 |
| gtgcgtgtgt  | cgagaggcat  | gcaggttcga  | gtcctgttct  | gggcaccaag  | gcaaacctta | 256200 |
| ccggaggaat  | ggcggaattg  | gtagacgcgc  | cactttgagg  | gggtggtgac  | aattatgtcg | 256260 |
| tgtgagttcg  | agtctcattt  | ccttcaccgg  | ttgaaattgc  | ggaaatagct  | cagttggtag | 256320 |
| agcataacct  | tgccaaggtt  | agggtcgcga  | gttcgagtct  | cgttttccgc  | tcaaagcaag | 256380 |
| taaagtgtcg  | ctggttgaaa  | gaccgaaagg  | cccaggtggc  | ggaatggtag  | acgcgcacgt | 256440 |
| ttcaggtgcg  | tgtgtcgaga  | ggcatgcagg  | ttcagatcct  | gttctgggca  | ctaagttgcg | 256500 |
| gaaatagctc  | agttggtaga  | gcataacctt  | gccaaggtta  | gggtcgcgag  | ttcgagtctc | 256560 |
| gttttccgct  | ctttttttat  | gtattgaaac  | ttcatgcgga  | aatagctcag  | ttggtagagc | 256620 |

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| gtatatattt  | gcggctgcaa  | tattaaaact  | ttgtagatga  | tgaaaactta  | tgatatttat  | 256800 |
| ttctcggatg  | gggtgtctag  | cgacaacaaa  | ggtttcttta  | taaaaacgga  | ggagaaggct  | 256860 |
| atccacatgg  | cggaagacat  | gctgggtgaa  | ggcaacagtt  | atacggagga  | ttatgccgga  | 256920 |
| ggaacaatct  | cgggtggtcga | ctcgggaagg  | aatatcgtat  | ggagcaagcc  | tatccctgcg  | 256980 |
| aaataatggt  | gaatcggaat  | attaatataa  | aaaataagtg  | aagttatggt  | ctcaggaata  | 257040 |
| gttgaagaat  | atgcggaagt  | ggtaaaagtg  | gtaaaagatc  | aggagaatct  | gcatctgacg  | 257100 |
| ctgaaatggt  | cgttcgtgga  | tgagctgaag  | attgaccaga  | gtatctctca  | taacggggtc  | 257160 |
| tgtctgactg  | tggtgagcat  | tcaggacgga  | acgtataccg  | ttacggccat  | gaaggaaacc  | 257220 |
| atcgaccgct  | cgaatatcgg  | tctgctcaag  | ccgggcgata  | aggtgaacgt  | agaacgcagc  | 257280 |
| atgctgatga  | acggccgtct  | ggacggacac  | attgttcagg  | ggcatgtgga  | ccagactgct  | 257340 |
| acttgcgtgg  | caatagacga  | tgcggaagga  | agctgggtatt | tcaccttcaa  | gtatgctttc  | 257400 |
| gatccggaat  | tggcaaagcg  | tggctatttt  | acggctcgaca | aggggtcggg  | tacgggtgaac | 257460 |
| ggagtcagcc  | tgacgggtctg | caatccgacg  | gaagatacct  | tccaggtagc  | catcatcccg  | 257520 |
| tatacgtacg  | agcataccaa  | tttccataca  | ctgcatatag  | gtagtgtggg  | caatctggaa  | 257580 |
| ttcgaatatta | tcggcaagta  | tctgagccgg  | atgatgcagc  | ttacaaaata  | attctctaga  | 257640 |
| aagaaaaaga  | gcaaaaatga  | aacgcatgaa  | tcatttttgc  | tcttttttta  | ttcagcctct  | 257700 |
| ctgtgctggg  | gaggctgggt  | ttacaggtct  | ttcaacagta  | cctgactggt  | gttgtagatg  | 257760 |
| tattcctgac  | gtgcatgttg  | caggactttc  | catgaatcgg  | aatattgccg  | gcgggtcaacc | 257820 |
| ttgaagtctt  | cggaaccggc  | agagtccagt  | ttctccagca  | ggaggcccac  | cgtcagtttg  | 257880 |
| tttatgtcca  | tgcccgggaag | gtaccgtaca  | tcgccttttt  | tctcttctat  | tgtttcgtat  | 257940 |
| atcaggtgta  | tgtcctgtag  | ctcatataaa  | atccgcttgg  | tcagccggat  | gggtattttg  | 258000 |
| tattgcttgc  | tgatttcttc  | ggccgaatag  | ggtttctttt  | cctctgcaaa  | gttcttgcag  | 258060 |
| atagcggaaa  | ggataagggg  | gcagaagaag  | tcatggtagc  | ggcggctgat  | gtgtgcgctc  | 258120 |
| tcttttccga  | agtcgaacga  | ctccagattc  | tgactgatgt  | agttcatctc  | ggcaccgaaa  | 258180 |
| agacagatgg  | tccacgaaat  | ctgggtccac  | aacaggaaca  | tcgggatggc  | tgcaaagcta  | 258240 |
| ccgtagatgg  | cgttgtagtt  | tgaaacccat  | atctggctgt  | ttacataaaa  | gaactggaat  | 258300 |
| gcctgaaagg  | ctgttcctgc  | cagtatgccc  | ggaaaccagg  | cgtgtctgag  | cttgactttt  | 258360 |
| gtattgggga  | taaacatgta  | aagcccgatg  | aacatgcccc  | aggtaagggc  | gtaaggaata  | 258420 |
| agtcttacta  | agaatttcag  | gataggagca  | agcaccagaa  | aattgtccat  | gccctttatg  | 258480 |
| tatgttgtca  | tgaagatggt  | cagaccgtc   | gatatgacaa  | tcagcagcgg  | caggagcagg  | 258540 |
| atcatggaaa  | agtaatccgt  | tattttccgg  | aatacggaac  | gcgggcgctt  | gacttgccag  | 258600 |
| atggcgttga  | agcttcgctc  | gatgttgtct  | gtcaggataa  | gtacgggtcca | cagcaacata  | 258660 |
| atcagaccga  | taccgatgaa  | gataccgtc   | tgggcatggt  | ccagataaga  | gttgatccac  | 258720 |
| gaaataatca  | gttcgctctg  | ctggcttgcc  | actccttgcc  | gaagctggat  | ttccatcagg  | 258780 |
| gtgtcgaagc  | cgaaccgcg   | tgcatgggca  | aacaggatgg  | caaggatagg  | aatgatggac  | 258840 |
| agcagggtag  | tgtatgtcag  | tgccgatgcc  | cggatctgga  | tacgggtcgtt | cagaaaactga | 258900 |
| tcgacggaaa  | gataaacgat  | tttaatgcat  | gagtaaagtt  | gtcgccgtat  | gggagatacc  | 258960 |
| tcatcttcgg  | tgattctcca  | gatgccgacg  | gtgaggaatt  | gcagccagtt  | ttttattttg  | 259020 |
| gtatagtcca  | tggcggagag  | atttcgggtga | aaaaaagcag  | tcgggtctgta | agccgggttc  | 259080 |
| tggttctctg  | gccgaagcgc  | agagtgtctg  | tcatttatct  | acgctcactg  | tcaccagtaa  | 259140 |
| gctctagcgg  | tctaccctcc  | gacgtggggc  | gagcaaccct  | cgttaatgcc  | ggttttacatg | 259200 |
| accttacaac  | tcctaagatg  | cacagcccgc  | atatcgctat  | acgtctggta  | ggctcttacc  | 259260 |
| ccaccttctc  | acccttgcc   | ctccggtgcg  | gacaggcggt  | tattttcttc  | tgcattactc  | 259320 |
| tacctttgca  | ggcagctttc  | tgtaggaag   | taggatgctc  | tgtgttgccc  | ggactttcct  | 259380 |
| cttgtagcat  | aaggtaccag  | cgacaaaccg  | accaactgct  | ttcttgatgc  | aaaggtacgt  | 259440 |
| aaataaaaatg | aatttatgtc  | atttttggca  | gaaatatctg  | tccggcgtgc  | aaactgtctg  | 259500 |

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| ttgttaaaaag | agggaaaaaa  | gaggcaatgc  | cgagtacaat  | cgtatgaatt  | ttgtttctact | 259620 |
| ttagcaaatg  | aaatgttaaa  | caactattga  | aattaacaat  | ttaaactacta | taaactgatg  | 259680 |
| aaaaagacaa  | ctaaaatcgc  | attaggggca  | gtcgcagtga  | tggctgtcag  | cgcaggagtg  | 259740 |
| gcaggggtta  | ctacttatac  | tcttatgcaa  | tctaagcagg  | ataagaatac  | gtctttctat  | 259800 |
| gatgaatttc  | aaacagcgac  | gaatactcgc  | tatgctgctt  | tggatgcggc  | aaacatgcag  | 259860 |
| ccggtcgact  | tgacaaaggc  | agccgagagt  | tcgttgaact  | ctggtgtaca  | tataatgtct  | 259920 |
| gttcaaagaa  | gtaaagttaa  | aaccatacag  | ggacagcctg  | atattttcga  | tttctttctt  | 259980 |
| ggcgacggac  | gtggacgtga  | gcagcaggta  | cagactccgg  | aacagcgtgg  | attcggttcg  | 260040 |
| ggtgtgatca  | tctcgaagga  | cggttatatc  | gcaaccaata  | atcacgtaat  | cgacggagcg  | 260100 |
| gatgaaatct  | ctgtcaagtt  | gcacgacgga  | cgcgagatga  | agggacgtgt  | tatcgggtgcc | 260160 |
| gacccgacta  | ccgaccttgc  | tttgggtcaag | attgaaggag  | atgattttcc  | ggctattccg  | 260220 |
| gtaggcgact  | cagatcgtct  | gaaagtgggc  | gaatgggttc  | tggctgtagg  | taatccgttc  | 260280 |
| aatttgggat  | ctacggttac  | ggctgggtatc | gtcagcgcca  | aagctcgtgg  | actgggtgcc  | 260340 |
| aacggtgtgg  | aatcgtttat  | ccagaccgat  | gcggctatca  | accagggaaa  | cagtgggtgg  | 260400 |
| gcgctggtca  | acgccaaggg  | tgaactggta  | ggtattaatg  | ccatgctggg  | ttctcctacc  | 260460 |
| ggagcttatt  | cggtgatattg | atttgctatt  | ccgaccagca  | tcattgacaaa | ggtggtaacc  | 260520 |
| gacttgaagc  | agtatggtac  | cgtacagcgt  | gctttgctgg  | gtatcgccgg  | acgtaacatg  | 260580 |
| ggtgatgaaa  | cttatccgga  | tgaaatccgc  | aaggaacaga  | aggaactggg  | tatcaacgac  | 260640 |
| ggtgtacagg  | ttgtagaagt  | aaccgaaggc  | ggttcggtag  | acggtatcct  | gaaggtgaac  | 260700 |
| gatgtcatca  | tggaactgaa  | tggcaagaag  | atcaagacca  | tggccgaatt  | gcagggatca  | 260760 |
| cttgctaaat  | atcgtccggg  | tgataaggtt  | acgttgaagg  | tatggcgtga  | taagaaagaa  | 260820 |
| aagagtttca  | ctgttacctt  | gaagaatgcg  | cagggttaata | cgaagattgt  | aaagaatgcc  | 260880 |
| gatatgcaat  | tgctgggtgc  | tgcgttccgt  | gaagtacctt  | ccgacctgaa  | gaaacagttg  | 260940 |
| aatttggggt  | acggtgtaca  | ggttacggga  | gtaagcgaag  | gcagaatggc  | cgactgcggt  | 261000 |
| atccgcaaag  | gatttatcat  | tctgaaggca  | aacggcaagc  | agttgaagac  | ggttcaggat  | 261060 |
| ctggaagagg  | ttatgaaagc  | agcttctcag  | tcacccgacc  | aggtattgtt  | tatggtagg   | 261120 |
| gtatatccgt  | cgggtaaacg  | tgccaactat  | gcagtcgacc  | tgtcacagaa  | ttaagcatca  | 261180 |
| atttttaagg  | tgattgtttt  | taggaaataa  | aagaaatatt  | tcaggaaagg  | tccgggaagc  | 261240 |
| agacaagctt  | cctggacttt  | tttcgttttg  | tcacctcgac  | tttgcgtttt  | cacctttttt  | 261300 |
| gcgaatacaa  | gcctaccaat  | aggtaggtat  | tttatgctaa  | attcctttcc  | ataggcaaaa  | 261360 |
| aaagaaagga  | taattggaag  | cgtatctctt  | tttttgctaa  | ttttgcacgg  | attttggctg  | 261420 |
| cgtgtgccga  | atgacgcggc  | ggcggcttaa  | acgaagataa  | taactaaaac  | ataaagcatg  | 261480 |
| atacacaagg  | tattaatcgc  | taaccgtggc  | gaaattgctg  | tgcgcgtgat  | gcgttcgtgc  | 261540 |
| cgtgaaatgg  | gcattcgtac  | cgtggcagtc  | ttctcggaag  | ccgacagaac  | ggcgcgccac  | 261600 |
| gtactttatg  | cagatgaggc  | ttgcctgatt  | ggtccggcag  | catctcgtga  | gagctatctg  | 261660 |
| aacattgata  | aaattatcat  | ggcggctaag  | cgtcatggag  | tggatgcaat  | tcattccggga | 261720 |
| tatggtttcc  | tgtcggaaaa  | ttccgaattt  | gcacgtcgtt  | gtcgtgaaga  | aggaatcatc  | 261780 |
| tttatcggcc  | ccgatcctga  | aacaatggat  | gccatgggtg  | ataagatttc  | tgcacgtaaa  | 261840 |
| cacatgattg  | cggcgggagt  | tccggtcggt  | cctggaacgg  | aacagccttt  | gcagagtgtt  | 261900 |
| gaagaggcta  | aggaaatctg  | taatcgtatc  | ggttatccgg  | taatgctgaa  | ggcttctatg  | 261960 |
| ggtggaggcg  | gtaaggggat  | gcgccttatt  | cataatgagt  | cggaagtggg  | ggaagcttac  | 262020 |
| aatacggccc  | gttcagaatc  | gatgtcgtcg  | tttggcgatg  | atacggttta  | tctggagaaa  | 262080 |
| ttcgtagagg  | aaccgcatca  | tatcgaattc  | cagattctgg  | gtgataattt  | cggtaatgct  | 262140 |
| gtacatctgt  | tcgagcgtga  | atgttctatc  | cagcgtcgtg  | accagaagat  | tgtagaagag  | 262200 |
| actccttctc  | cattcgttac  | tcccgaactt  | cgtcagaaaa  | tgggtgaggc  | tgctgtagct  | 262260 |
| gctgccaagg  | ctgtaaatta  | caaaggagcc  | ggaaccatcg  | aattcctggg  | cgataagcat  | 262320 |
| cgtaattttct | atttcctcga  | aatgaatata  | cgtctgcagg  | tggaaacatcc | tatcaccgaa  | 262380 |

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| gaggattccg | aaaacaactt | catgccttct  | ccgggtgtta   | tccgtcagct  | gatggaaccg  | 262560 |
| aacggtatcg | gtgtgcgtat | cgacagctat  | gtatacgaaa   | gctatgaaat  | tcctatctat  | 262620 |
| tatgacccga | tgatcggtaa | gctgattgta  | tgggctacta   | cccgtgagtt  | tgctatcgaa  | 262680 |
| cgtatgcgtc | gtgtgctgta | tgaatacaag  | attaccggct   | tgaagacgaa  | catcggttat  | 262740 |
| ctgcgtcata | tcatgaatgt | gcccgaactt  | gtagaaggac   | attataatac  | actgtttatc  | 262800 |
| tccaagcatc | aggaaatgtt | gcgtaaatgg  | gccggacaga   | aggaagaaga  | aaccgaaaat  | 262860 |
| atcgcaatga | ttgcagcata | catcgattat  | ctgatgaacc   | tggagaagaaa | taactcgggc  | 262920 |
| tcttccgata | atcgtcctat | cagccgctgg  | cgcgaaattcg  | gattgaaaaa  | aggtgtattg  | 262980 |
| cgaatttaaa | gaagatattt | atggaaatac  | atataggtga   | cagagtagct  | gacgtaacgc  | 263040 |
| tggtcagcaa | agaaggcaat | aaagtacagt  | tgactatcga   | tgggtgttct  | tacgatgtag  | 263100 |
| atattgtaat | ggcagaaaac | ggtagttgct  | ctatcttgca   | cgaaggaaag  | tcgtataacg  | 263160 |
| ctgaactgat | tcgtaaggaa | ggtggaaaga  | gctatacggc   | caacgcccac  | taccagtcac  | 263220 |
| ataatatcga | tatcatagat | tcacaagcta  | aataccttcg   | tatgcgtaag  | aatgccgacg  | 263280 |
| agaagcagca | ggataagatt | gtttctccga  | tgccgggtaa   | ggttgtgaag  | attccggtaa  | 263340 |
| aggtgggcca | ccgcttgca  | gcaggcgaca  | ttgtcgttgt   | aattgaagct  | atgaagatgc  | 263400 |
| agagtaatta | caaggtaaac | agcgaatgtg  | ttgtaaaaga   | aatccttgta  | aacgaaggtg  | 263460 |
| actctgtaaa | cagtaatcag | gtgattatga  | cactggatgt   | agtaaaagaa  | gaaaattaaa  | 263520 |
| gttatgacaa | cagcagaaca | atataaaaat  | tttgaggagc   | tggataagct  | ggcttctcaa  | 263580 |
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| cgtatcgata | tgttgcttga | taaaggtagc  | ttcaacgaaa   | tagataaaact | ggttatccat  | 263700 |
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| tatggtaaga | tagacggacg | tctggtttat  | gtatacgctt   | acgactttac  | cgtatacggg  | 263820 |
| ggtacactga | gtgctaccgg | tgcgcagaag  | attgtaaagg   | tacagcagct  | ggctttgaaa  | 263880 |
| aacggtgctc | cggtcattgc | cttgaatgac  | tcgggtgggtg  | cccgcattca  | ggaaggtgta  | 263940 |
| ggcagtatct | ccggatatgc | ttctatcttc  | tatcagaata   | ccatcgcttc  | gggtgtgatt  | 264000 |
| ccgcagatct | cggctatcct | cggctccgtgt | gcagggtgggtg | cctgctactc  | accggcggtg  | 264060 |
| actgacttta | ttttcatggt | gaaggaaaag  | agtcacatgt   | ttatcactgg  | tccggacgta  | 264120 |
| gtaaaggctg | ttactcacga | agaagtcgac  | aaggaagagc   | tgggtgggtgc | ctatactcat  | 264180 |
| agcagcaaga | gcggtgtaac | tcatttcttg  | tgtgaaacag   | aggaagaaac  | tttcatgagc  | 264240 |
| atccgtgaac | tgttgagctt | tttgccgtcc  | aataacatgg   | aagatgctcc  | ttctatcgct  | 264300 |
| tgtacagacg | atatccgccg | tgcagatgaa  | tactgatga    | cagttattcc  | tgatgatccg  | 264360 |
| aatatgccct | acgatatcaa | gaatatcatc  | gaaccggtag   | tcgacaatca  | ttatttcttc  | 264420 |
| gaggttatgc | ctcattttgc | gaagaatatc  | gttgtcggtt   | tcgctcgtct  | gggtggacgc  | 264480 |
| tcggtaggta | tcgttgccaa | tcagccggct  | tatctggcag   | gtgtactcga  | tattgatgct  | 264540 |
| tcggacaagg | cttctcggtt | catccgtttc  | tgcgactgct   | tcaatattcc  | aatcgttact  | 264600 |
| ttcgaagatg | ttccgggatt | cttgccggga  | tgtactcagg   | aacacaacgg  | tatcatccgt  | 264660 |
| cacggagcga | agattgtata | tgcttatgca  | gaagctactg   | tgccctaagat | tacagttatt  | 264720 |
| acccgtaagg | cttacggagg | tgcgtacatc  | gttatgaaca   | gtaagccgat  | cggtgccgat  | 264780 |
| gtaaacttct | cttatcctac | agccgaaatt  | gctgtaatgg   | gagccgacgg  | agctgtaaac  | 264840 |
| attctgtatc | gtaaggctac | tccggaagaa  | aaggctaagg   | cggtagaaga  | atacaaggaa  | 264900 |
| aaattctcta | atccgtatcg | tgctgccgaa  | cagggttata   | tcgatgagat  | catccttccg  | 264960 |
| aaggatactc | gttacaaact | gattcaggca  | cttgaaatga   | ctcagaacaa  | gagtgtgaagc | 265020 |
| aatctccga  | aaaagcatgg | caatatgcct  | ttgtaatttt   | gaaggaataa  | tagcataaaa  | 265080 |
| agctttttaa | accatctcta | ctgattgtag  | gggtgggttt   | atttttatat  | atgaaacagt  | 265140 |
| tgctggataa | gataatcggg | ttagtgtgtg  | ccggatagtc   | ttgaatcgaa  | tctttgaata  | 265200 |
| tgattcttaa | aataacatta | aggaatcctt  | aaacacgttt   | gaaagtacat  | tgggtgcgttg | 265260 |



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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gcagtttcct  | tttttgtgtc  | gatttttttg  | tatatttgag  | gcgataatat  | ttaaagctat  | 265320 |
| cggaataaag  | atgaaaaaat  | ggattatgat  | ggcagcactg  | gtaagctgct  | tgtttacggg  | 265380 |
| aatgtctact  | gtacaggcgc  | aggaagtgtac | tcccgatgaa  | gtaggatata  | ttgtaaaagt  | 265440 |
| aggggatgag  | gctcccgatt  | tcgaaatgac  | gctgaccgac  | ggtaaaaaag  | tgaagttgtc  | 265500 |
| ttctcttcgc  | gggaaggctg  | tcattgcttca | gtttacggca  | agctggtgtg  | gagtctgccg  | 265560 |
| caaggaaatg  | ccttttattg  | aacgggatat  | ctggcagaag  | cataaagaca  | atgcttcgtt  | 265620 |
| tgcactttat  | ggcgtagacc  | gtgatgaacc  | gctggagaaa  | gtaaaggcat  | tcgtcaagca  | 265680 |
| gaccaagggtg | acttatccgc  | tcggcctcga  | tcccggagct  | gatatctttg  | ccaaatatgc  | 265740 |
| agtccgcaat  | gcaggtatca  | ctcgcaatgt  | cttgattgat  | aagacaggaa  | agattgtgat  | 265800 |
| gatgacacgt  | ctgtataacg  | aagaagagtt  | ctcggctctg  | tgtaaaaaaa  | tagatgaact  | 265860 |
| gctgaaatga  | cacagataaa  | gtatatattg  | ctcatcttgt  | gttgtcttgt  | agtacttccc  | 265920 |
| ggattctctc  | gtaagaagaa  | aacttcaggg  | tacgagccac  | tgtttggtaa  | atcgcaggct  | 265980 |
| gcttatcaga  | taacatcgag  | ctcgttgaaa  | ggtgctactt  | tttatcttgt  | cagcggacat  | 266040 |
| ggaggacccg  | atccgggatg  | tatcgggaaa  | tatcatggaa  | aggagttgca  | cgaagatgaa  | 266100 |
| tatgcctacg  | atatcgtttt  | gcgtctggga  | cgtgaattgc  | tgaaacgtgg  | tgctacggtt  | 266160 |
| catttcatca  | ttcaggacaa  | gaaagacgga  | atacgggaata | ctgcggtatt  | gaataacagc  | 266220 |
| aagcgtgaaa  | cttgatgagg  | agaggccatt  | cccttgaatc  | aggctgccag  | attgcagcaa  | 266280 |
| cgctgcgatg  | ccatcaatcg  | tttgatcga   | aaagaaaaga  | gcagttacaa  | gcgggcaatt  | 266340 |
| ttcattcatg  | tagacagtcg  | tagcaaggga  | aagcagacgg  | atgtattctt  | ctatcatagt  | 266400 |
| ccgggaagca  | aatatggaaa  | gcgtctggcc  | gaacagttgc  | gtcgcacgtt  | tacagccaaa  | 266460 |
| tacgaccgcc  | atcagcctaa  | cagaggattt  | ggtggtacgg  | taagttcgcg  | tgatttgttc  | 266520 |
| gtgcttcgca  | attcaacgcc  | ttatgctgtc  | tttctggaac  | tgggaaacat  | tcagaatgcc  | 266580 |
| cgcgatcagc  | agcgtctggt  | catccctgat  | aatcgtcagg  | cactggcaaa  | ctggattacc  | 266640 |
| gaagcgatag  | tgaatgatta  | taagaaaaaa  | taaagtgtga  | gtcgtaaaag  | gaatatcgga  | 266700 |
| aagttactga  | ttgggtacaa  | aatcagaaaag | agtcgtatca  | aattctgtct  | ttgagaaaat  | 266760 |
| gatacgactc  | tttcttttgt  | ctttaaggat  | gtattctttt  | cagattaaaa  | ctcatcttta  | 266820 |
| cagatcagtc  | taaaaaactcg | tttttactgg  | gtctgggtct  | tgacaataca  | tccttatttt  | 266880 |
| caggctcttat | gtctgcctgg  | ttttcgtttg  | tccctattat  | gcatacagaga | agcaagtatt  | 266940 |
| tcattacctc  | tctgatgata  | ccttgctccat | ttgcagcaga  | ccgtttggat  | tttattcttc  | 267000 |
| aacgttttcg  | agcaacagtt  | ccattacctg  | acaagctgat  | ttggcaacgg  | aagtaccggg  | 267060 |
| gccgaagata  | gccatgactc  | cagccttgta  | caggaagtca  | taatcctgtg  | ccgggatgac  | 267120 |
| acctccggca  | aataaccagaa | tatcttcacg  | tcccaaactg  | ttcagttccg  | cgataatctg  | 267180 |
| cggaatcaat  | gtcttgtgtc  | cggcagccag  | tgaagaaaca  | cctactgcat  | gtacgtcgtt  | 267240 |
| ttctacggct  | tcacgtgcag  | cctcttcggg  | agtctggaac  | aacgggtcca  | tatccacgtc  | 267300 |
| gaaaccacag  | tcggcaaaac  | cggtagctac  | tacctttgcg  | ccacggtcgt  | gtccgtcctg  | 267360 |
| tcccatcttg  | gcaatcatta  | cacgcggacg  | gcgaccttcc  | ttctttgcaa  | attcttcggt  | 267420 |
| cagttcgcaa  | gctcttgca   | aatctgcatc  | ctttttactt  | tctgatgaat  | acacgcctga  | 267480 |
| aatagttctg  | attactgctt  | tataacgtcc  | tacaaccttt  | tcgcacgcgt  | cggatatttc  | 267540 |
| tccagtggtg  | gcacgtacgc  | gggctgcttc  | cacagccagt  | tccagcaagt  | tgcttttgcc  | 267600 |
| ggtacgtaca  | cattcggtaa  | tagcttccag  | tgctttgtcc  | acctcagcct  | gatttcttcc  | 267660 |
| ttcgcgcaga  | cggcgtaagt  | tttctatctg  | ttcctgacgc  | acagccgtat  | tgtctacttc  | 267720 |
| cagaatatca  | atcgggtctt  | ccttctccag  | acgataactg  | ttcgtaccca  | cgatgggtctg | 267780 |
| ttcgcgccgag | tcgatacgag  | cctgtgtgcg  | ggcagccgct  | tcttcgatac  | gcattttcgg  | 267840 |
| aataccgggtt | tcgatagcct  | tggccatacc  | gccagcttcc  | tcgatttcct  | gaatatgctc  | 267900 |
| ccatgccttg  | tgagctagtt  | cgttggtcag  | cgcttccaca  | taataagaac  | cacccacggg  | 267960 |
| gtcaacattc  | ttgcataatc  | gagtttcttc  | ctgaatataa  | atctgtgtgt  | tacgtgcatg  | 268020 |
| acgtgcggag  | aagtcagtcg  | gcagggcgat  | tgcttcatcc  | agtgcgttgg  | tatggagcga  | 268080 |
| ctgggtatgt  | cccaatgcgg  | cagccatcgc  | ttcgatacaa  | gtacgtccta  | cgttattgaa  | 268140 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cggatcctgt  | tccgtgagcg  | accatcctga  | agtctgtgag  | tgtgtacgca  | gtgcaagcga  | 268200 |
| tttcggattc  | ttcggatgga  | actgcttcac  | aatcttggcc  | cacagcatac  | gtgcggcacg  | 268260 |
| catcttggca  | atttccatga  | aatgattcat  | accgatagcc  | cagaagaacg  | acagacgagg  | 268320 |
| agcgaaagca  | tcgatgtcga  | tacccgcagc  | tacaccggcg  | cgcagatatt  | ccagaccgtc  | 268380 |
| ggcaagggtg  | taagccagtt  | cgatgtcagc  | agtggcacc   | gcttcctgca  | tgtgataacc  | 268440 |
| cgagatagag  | attgaattga  | atttcggcat  | cttctgagat  | gtatattcaa  | aaatatccga  | 268500 |
| aataatcttc  | atggagaagg  | caggtggata  | aatataagta  | ttacgcacca  | tgaattcttt  | 268560 |
| cagaatatcg  | ttctggatgg  | tacctgccat  | ttcttccagc  | ttggcaccct  | gttccagtc   | 268620 |
| cgcattgatg  | tagaacgcca  | tgataggcag  | tacggctccg  | ttcatggtca  | tggaaacaga  | 268680 |
| catcttggtc  | agtggaatac  | cgtcgaacaa  | taccttcatt  | ttttccagcg  | agcagataga  | 268740 |
| aacacctgcc  | ttacctacgt  | cgcccactac  | acgcggatga  | tcgggggtcgt | aaccacggtg  | 268800 |
| agtcggaagg  | tcgaaggcaa  | ccgacagacc  | tttctgaccg  | gaagccagat  | tacgacggta  | 268860 |
| aaaagcattc  | gattcctcgg  | cagtagagaa  | acccgcatac  | tggcggatcg  | tccacggacg  | 268920 |
| gaaggtgtac  | atcatcgagt  | acggacctct  | caggtaaagga | ggaatacccg  | cagcatagtt  | 268980 |
| caagtgtccc  | atgccctcca  | ggtcttcttt  | cgtataaacc  | ggtttccact  | gaatctgttc  | 269040 |
| cgggtgttctc | caattggcctt | tgatgtcatt  | ggctttttgc  | cattccatac  | cattttgagg  | 269100 |
| atggaatccg  | gcataatgtt  | cgataattttt | aaaattcgggt | ttcatagcat  | tacttaattc  | 269160 |
| ctaacttttc  | attatattct  | ttcaaggtct  | ccaatacgtt  | gcaacgtaca  | tggataaagt  | 269220 |
| tctctatgcc  | ggcagctttc  | agctcttcca  | tgcaggcagg  | agtcctgcc   | acgataaaca  | 269280 |
| tggctctgcc  | atttactgcc  | ttgaatgctg  | gaatggcata  | ttcggcatac  | tcatcatcgc  | 269340 |
| tcgaacagat  | tacaacgatg  | tcggcatgag  | ctttcatggc  | tgcttccacg  | ccttctctta  | 269400 |
| cggtcgggaa  | tcccagattg  | tcgataacct  | catatccggc  | acaagccagg  | aagttgcaag  | 269460 |
| agaactgagc  | acgagcctga  | cgcattggcaa | ggttaccgat  | agtcagcata  | aatgccttcg  | 269520 |
| gacgcttgcc  | ggaatgttca  | gtctgcaagc  | ggagagcctc  | aaactcactg  | gctgcacggc  | 269580 |
| tggtttccag  | tttggcgaaa  | gaagcttctt  | cgctgtgaga  | atgtccgcct  | ccgcagccac  | 269640 |
| atttgtgctc  | cagcggagcc  | ttatctcccg  | ccagttcggt  | aaagttagga  | tattgattgg  | 269700 |
| taccagcaa   | gatttcctta  | cgtttgaaa   | ccgcctcgtg  | gcgtgccttg  | ttgctggcat  | 269760 |
| ttacagcatt  | ctgtatctgc  | tcagtcagaa  | cagactgtac  | catgcctccc  | gcattctcca  | 269820 |
| cctgaaggaa  | caggtcccat  | gcctgttttg  | cgatagaaac  | agtcagggtt  | tctatataat  | 269880 |
| aagaaccacc  | tgccggatcg  | acaatgcggg  | tcaggtgcga  | ttcctctttc  | agcagtaact  | 269940 |
| gctggttgcg  | tgcaatacgt  | tccgaaaaat  | cattgggagt  | ttcgtagggt  | ttgtcgaacg  | 270000 |
| gactgaccgt  | aatggagttt  | acgccggcga  | tggcagcgct  | catagcttca  | gtctgcgtac  | 270060 |
| gaagcaagtt  | tacatgtgca  | tcaaacaatg  | tcaggttgaa  | gctggatgtt  | tcagcatgag  | 270120 |
| ccaccatttt  | gcaggcacat  | tcacattgag  | gattgtaagc  | ctttacgatg  | tctgcccata  | 270180 |
| acatacgtgc  | tgcacggaat  | ttggcaattt  | ccataaaata  | gttggaactg  | ataccgaaat  | 270240 |
| tgaatttgat  | tttcttcgca  | gccagatcga  | caggtactcc  | ggtttcagtc  | aggcggctca  | 270300 |
| ggtattcggt  | accccaggcc  | agggcataac  | ccagttcttg  | ataaatataa  | gctcccgc    | 270360 |
| tggtcagctg  | aagagaattg  | acggcaatgc  | agcggaagtg  | aggatagtcg  | gccagttacc  | 270420 |
| ccaccagatt  | cttggcttgc  | gatataatcg  | ggctgacatc  | ttttcctttt  | tgcagcattt  | 270480 |
| tgcttatcgg  | gtcaaagttc  | agcgagccgt  | acagcttttc  | cggatcatac  | cctttttcct  | 270540 |
| tgaataaagc  | aacgagcagt  | tccgccagtt  | gaaccgtatg  | acgctggcaa  | gtcgtgaaat  | 270600 |
| taagttctat  | gcagtcgcag  | caaatatctt  | tcaataaaac  | ggcgatatac  | tcagcattca  | 270660 |
| aatccttggc  | cttgatgtga  | aatcccagcg  | agtcgatacc  | cttgttcagt  | aagtcgagtg  | 270720 |
| cctttttgtt  | ggcttctgcc  | ggatcttcta  | cctgtatgtc  | ctgccggatg  | taccagggtat | 270780 |
| tgtcattctt  | ttattacct   | cttataaatg  | gaaattctcc  | aggaagtcct  | tccgtagttt  | 270840 |
| tcagaccttc  | caaactctcc  | tggcgataaa  | agggttttac  | tttaaatcct  | tcgttagttt  | 270900 |
| tccacaccag  | tttcttttcg  | taatcggtc   | ctttcaagtc  | gaccatgatt  | ttatccatcc  | 270960 |
| attcttgtgt  | cgatacggga  | ggaaaatctg  | aaaagagttt  | ttctttacta  | tctgccatag  | 271020 |

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|-------------|-------------|-------------|------------|-------------|-------------|--------|
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| gaggcaaata  | tacaaattta  | ttgcacatcg  | cgccaaaaag | tgagtatttt  | tttagattca  | 271140 |
| atgtttgacc  | gattcttttt  | aattgtctac  | atgttgtagc | cttaaaaaat  | aatattatga  | 271200 |
| attggctaca  | agatttgta   | actaatcccg  | actccatagc | acacattgtc  | gcattgtatg  | 271260 |
| catttgatgat | tgccgccgga  | gttttattgg  | gaaaaatcaa | agtattcggc  | atctccctgg  | 271320 |
| gcgttacctt  | cgtccttttt  | gtgggaatcc  | ttgccggaca | cttcggattt  | acaggaaatc  | 271380 |
| agtccattct  | ttccttcttg  | caggatttcg  | gattgattct | gtttgtgttt  | tgtataggct  | 271440 |
| tgcaagtcgg  | tccttccttc  | ttctcgtctt  | tcaaaaaagg | aggaatcagg  | ctgaacatgc  | 271500 |
| tggccatggg  | tatcgtcgcg  | ctgaatattg  | cagtggccct | gataatctat  | tacgctttgc  | 271560 |
| aagggcgggt  | agatattccg  | atgatggtag  | gtattctttg | tggagctgtg  | acgaacactc  | 271620 |
| cgggactggg  | tgccgccaac  | gaggctttgc  | agcaactgca | ttatcaagga  | cctgaaattg  | 271680 |
| cgatgggtta  | cgcctgtgct  | taccgctgg   | gtgtcatggg | tatcattctt  | tcgctgattg  | 271740 |
| ttatccgata  | tatctgtcgg  | gtgaacctcg  | acaaggaagc | ggatgatatt  | cagaaagagg  | 271800 |
| aagaagccaa  | cccgcacctg  | aaaccctaca  | acattgcctt | gaaggtagag  | aatgcggctt  | 271860 |
| tgagcggaaa  | gaagctttct  | caggtacaga  | acttcctggc | gagagatttt  | gtctgctccc  | 271920 |
| gtattttgca  | ggacggacac  | gtacacattc  | caaacgctga | taccgtgttg  | cgtctgggcg  | 271980 |
| atgaaatgaa  | cattgtctgc  | gccgaagacg  | attcggaggc | aatacaggcg  | ttcatcggtt  | 272040 |
| cgaaggtaga  | aaacatcgac  | tgggacaacc  | agagcaaaca | agacaagccg  | atggtttccc  | 272100 |
| gccgtatcct  | ggtcactcag  | cctgccataa  | acggaaagac | actgggtgag  | cttcatttca  | 272160 |
| gcagcatgta  | tggcgtaaac  | gtaacgcgtg  | tcaaccgttc | cggataggac  | ttgtttgctg  | 272220 |
| cccgcacagt  | gattcttcag  | gtgggcgacc  | gtgtcatggt | tgtcgggtccg | caggatgccca | 272280 |
| tcgagcgagt  | tgccgatttg  | ctgggtaacc  | agttgaagcg | tctggatcat  | ccgaacatcg  | 272340 |
| tgacaatctt  | catcgggtatc | ttctgtggta  | tcttggtcgg | tagtcttcct  | atcgcatctg  | 272400 |
| cgggtatgcc  | tactccgggtg | aagctgggtc  | ttgccggagg | tccgctgatt  | atttctattc  | 272460 |
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| tgatgctgcg  | tgagggtggga | ctggtattgt  | tccttgccag | tgtcggcatc  | aaggcgggag  | 272580 |
| gcaattttgt  | ccagacagta  | gtagaagggtg | atggattggt | gtacgtaggc  | atcggtcttc  | 272640 |
| tgataacatt  | ccttcctttg  | ctgattatcg  | gaatgatagc | ccgctggcgg  | cataagatta  | 272700 |
| actattttcac | cctgatgggt  | ctgatagccg  | gtagcaatac | cgatccacct  | gccttggtct  | 272760 |
| atgccaaacca | gattttctgga | aacgatgctc  | cggcagtagg | atattctacc  | gtatatccgc  | 272820 |
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| gtgccgataa  | gataaaaaaa  | cgtcccgcag  | aatgaagtga | aacatgccga  | tgtttcttcc  | 272940 |
| cattcgtcgg  | gacgtttttt  | ttatgcctga  | gccatcggtt | ttagcggctt  | cccagataga  | 273000 |
| ggaagaacat  | accgatcaat  | accagaatca  | ggtcgataac | cttgctcttc  | aggttctttt  | 273060 |
| cgtggaacag  | catagccccg  | aacaagaacg  | atacgatgac | actgccgcgg  | cgtaccatcg  | 273120 |
| aaacgatgga  | aatcatggaa  | tcctccatgg  | tcagcgcata | gaaatacacg  | aagtcggcag  | 273180 |
| ccgagaggaa  | gacagaaatc  | agaatgatgc  | accagtccca | gtggaaagga  | gtcgaagtct  | 273240 |
| tgcgcttagg  | ccaccacaga  | aacatcagca  | cgccgcccat | caggaagaac  | tggtagatgt  | 273300 |
| tgtaccatgc  | ctgaacctgc  | atgttggtga  | accgtcccat | caggaattta  | tcgtacagtc  | 273360 |
| cgtcaccgt   | tcccagcacg  | gcagccagca  | ccacaaacca | gatccagcgg  | ttgtgcgtga  | 273420 |
| aatcgatacc  | ctctttcttg  | cccgaacgac  | tcagcatgaa | gaatgagata  | atcgccatga  | 273480 |
| gcacaccgat  | ccactgatac  | aagttgaggc  | gttcaccgaa | aatcagcatc  | gcaccacgga  | 273540 |
| gcgtcatgac  | cggacgcgtg  | gcattgatag  | gtcccacaag | ggtaagcggc  | agatgcttca  | 273600 |
| tgccgaaata  | accgaatgtc  | cacgaagaca  | aaacgataag | cgacttcagc  | agaatgaatt  | 273660 |
| tgtgaacctc  | ccatcctccc  | agatcgggca  | catagaaaag | agaaccctgc  | aaggtctgcg  | 273720 |
| gcgcgaagt   | cgacagcaga  | atgaacggaa  | gaaaaataag | acttgaaaac  | aacgtattga  | 273780 |
| gagccagtac  | cggaaagcacc | gcattgttat  | tcagtgactt | tttcttgaat  | acgtcgtaaa  | 273840 |
| agcccagcaa  | tgcagccgag  | caaaaggcca  | atagtaacca | cataactttt  | tatatcgctt  | 273900 |

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|            |             |            |             |             |             |        |
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| tataaatttg | gctgcaaagt  | tacaaaaaat | cagtaaagat  | ttgcacagct  | cgcacaggat  | 273960 |
| gtctactttt | accatattta  | tacaactgcg | aaaataggag  | tgaaatacaa  | atgaacgagc  | 274020 |
| aagtcttgca | taaactcaag  | gtactggcag | agtcggccaa  | atacgatgta  | tcgtgctctt  | 274080 |
| ccagcggaac | cgtacggcgc  | aatgcctccg | gcggggtagg  | aaataccgta  | ggagggtggg  | 274140 |
| gtatctgcca | tagctttgcc  | gaagacggca | ggtgcatttc  | gttgcttaag  | gtcatgctta  | 274200 |
| ccaactactg | catatacgat  | tgtgcttatt | gtatcaaccg  | tatcagcaac  | gacataccgc  | 274260 |
| gtgccactct | gtcggtgagc  | gaactggtgg | atctgaccat  | ggagttttac  | cgccggaact  | 274320 |
| atatcgaggg | attgttcctg  | agctcgggcg | tagtacggaa  | tcccgattac  | accatggaac  | 274380 |
| gtctggtgcg | ggtggcaaaa  | gacttgcgta | cggttcatcg  | cttcaacggc  | tatattcacc  | 274440 |
| tgaaaagcat | ccccggagcc  | agcagggagc | tggtgcgcga  | agccggattg  | tatgccgatc  | 274500 |
| gtctgagcgt | gaacctcgaa  | atccctaccg | aagcaaacct  | caagatgctg  | gctcccgaga  | 274560 |
| aagaccatca | cagtgtgtat  | ttgcctatga | aatacattcg  | tgagggagct  | ctcgaaagtg  | 274620 |
| cggaagaacg | gaaacatcac  | cgccgtgcmc | cacgttttgc  | acccgcggga  | cagagtacgc  | 274680 |
| agatgattgt | cggggccacc  | tcggagagcg | accgcgacat  | tctgaagggt  | tcctccgccc  | 274740 |
| tttacgcca  | gcctacgatg  | aaacgtgtat | attattcggg  | atataatttc  | gtcaatactt  | 274800 |
| acgacaagcg | tctgcctgcc  | ctgaaacaac | cgctctggt   | acgcgagaa   | cgtctgtatc  | 274860 |
| aggccgactg | gctgttgctg  | ttttatcagt | tccgggtaga  | cgagctggta  | gatgaggcca  | 274920 |
| gtccggacct | cgatttgga   | gtcgatccca | aactggcggt  | ggcattgaag  | catcctgagt  | 274980 |
| tttttcccgt | caatatctat  | acggcggact | atgaaacct   | gctccgtgtg  | ccgggcatcg  | 275040 |
| gggtacgttc | ggccaagatg  | attgtcatgt | cgcgctggtt  | ctcgcgcac   | ggcttctacg  | 275100 |
| aactgaagaa | aatgggagct  | gtcatgaaga | aggctcgcta  | ttttattacg  | tgcaacgagc  | 275160 |
| tgcccgcaca | gacgataaac  | gaacttactc | cgcagggagt  | acggaaactg  | ctcgtgccga  | 275220 |
| aacccaagaa | atgcacggac  | gaacgccagc | ttacgctcaa  | ttttgatttc  | gatttagactg | 275280 |
| aacttttgag | cggggtgaat  | tgtaatatca | ttattacacg  | aaaagaaaat  | acactatgtg  | 275340 |
| gaagaatctg | ttaagggaat  | taaagcggaa | agaccaccag  | cgttatctgg  | gtggtctgga  | 275400 |
| tatattcaag | tatatcggtc  | cggactgct  | ggttaccgtg  | ggattcatcg  | acccgggaaa  | 275460 |
| ttgggcgtcg | aactttgcgg  | cgggttccga | ttacggctac  | gcactgttgt  | gggtcgtgac  | 275520 |
| actttccacc | gtcatgctga  | ttgtgcttca | gcacaacgta  | gcgcactctg  | gtatcgtaac  | 275580 |
| cggcctgtgt | ctgagcgagg  | ctgccaacaa | atatacgccg  | aagtggatag  | cacgtcccat  | 275640 |
| cttgggcagt | gccgtgctgg  | caagtatctc | tacgtcgctg  | gcggaaatac  | tgggaggagc  | 275700 |
| cattgcactg | gaaatgctgt  | tcggcatacc | gattatcggt  | ggagccatac  | tgacgacggt  | 275760 |
| ctttgtgctg | atactgcttt  | tcaccaattc | gtacaaacgc  | atcgagcggg  | gcatcatcgc  | 275820 |
| cttcgtttcg | gtgatcggcc  | tttcgttcct | ctacgaactc  | tttctggtcg  | atgtcgactg  | 275880 |
| gggactggct | gcccgttcgt  | gggttacgcc | gagcattccg  | cagggaaagta | tgctcatcat  | 275940 |
| catgagtgtg | ctgggggcag  | tcgtcatgcc | gcacaacctg  | tttcttcatt  | cggagtagt   | 276000 |
| acagagccgg | gaatacaata  | aggaggacga | acaagccatc  | aagaaacatt  | tgaagtacga  | 276060 |
| attctacgat | acgttggtgt  | cgatgggcat | aggttgggac  | atcaacagcg  | ccatgattct  | 276120 |
| gctggcagcc | accactttct  | ttgtacacgg | cactccgggt  | gaagagcttc  | agcaggcaaa  | 276180 |
| atcgttgctc | gacccctgt   | taggcagtca | ggcaggtacc  | atctttgccc  | tggcactgct  | 276240 |
| catggcaggt | atctcgtcga  | ccgttaccag | cgggatggcg  | gcaggttcta  | tctttgccgg  | 276300 |
| tatcttcgga | gaatcctatc  | atatccgcga | cattcactcg  | cgaatagggt  | ttctgctgtc  | 276360 |
| gctgggactg | gcactgggtga | ttatcctatt | catcgacaat  | ccgttttcagg | gactgattat  | 276420 |
| ttcgagatg  | gtactgagca  | tccagttgcc | tttcaccgtc  | tttttgcaac  | tgctgctcac  | 276480 |
| ctcgtcacgg | cgcgctcatgg | ggcagtatgc | caactctcgg  | tggagtacgt  | ttgtgcttta  | 276540 |
| caccattgcc | atcggtgttt  | ccgtactcaa | catcatgctg  | cttttcagct  | gacgtttgca  | 276600 |
| taagcatccg | gcgggaagaa  | aaaatactct | ccgcaagtcc  | ggcagaaaat  | ttgtacaaat  | 276660 |
| tttctaagaa | tttgtacaaa  | ttttttagaa | acgtcgggac  | gttttcccga  | gaagttctcg  | 276720 |
| acaagtctct | ttttcttttt  | tgagattccg | ataaaaactca | ctgtcataac  | cagtttgcac  | 276780 |

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|             |             |             |             |            |             |        |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| cgtgtacggt  | ggggttgata  | tctgcctcct  | ctcagtggag  | cagtgcgact | atttgtgttg  | 276840 |
| tgtggcggct  | gtaatgttgc  | ccgtttctgc  | atccggttcg  | attttttaag | gagatattcg  | 276900 |
| tgtaatgaca  | aagtttttat  | gtaaatctgt  | ataaggaata  | tacctctttg | aaatcaagag  | 276960 |
| agttagaaga  | attacctcgt  | tttcgggtaa  | tgagttggta  | accgttctaa | ttgccgtggt  | 277020 |
| ctgcatcgct  | ttgcttgttc  | gggaaactct  | tacggtacaa  | aggatgaaa  | aatattcaga  | 277080 |
| ctgagaagct  | gttttgaatt  | tctccaaaaa  | gtttttcttg  | gcttgatgta | tccgttttcg  | 277140 |
| tgtgtgcttt  | gggcgatttt  | ttggtccttt  | ccgctcctgt  | tcttcgtcag | atagcccgtc  | 277200 |
| atcttcctca  | tcacagaagc  | gaaaatgcct  | caaaaactca  | tcccaaatac | tcgcacgata  | 277260 |
| aattcaaaac  | agcttctgaa  | aggatcattc  | caaaaattat  | tttagtcaga | atattgagca  | 277320 |
| ttcatcctta  | tgcagtcttg  | gttggaagca  | attaacgaac  | aaggaagcca | cggtaaaggc  | 277380 |
| aactcctact  | cctaccacgc  | ctgcccattc  | gtaatgttgc  | caaaacagac | ctgaaacgaa  | 277440 |
| cgtaccagca  | gaaccgcca   | gaaagtagat  | ggcatataaa  | acggtattga | ctcggttgat  | 277500 |
| ggcggatgct  | tcaagggaga  | ccacgtggt   | ctgatttgac  | aaatggatgc | attgcattcc  | 277560 |
| tgcatacaat  | aaaaggatgg  | cgattatcat  | ccacaagtag  | ctgtcatttc | caaaaaatgc  | 277620 |
| caacaacccat | gcagccaaga  | taacacatcc  | cccgaacaat  | gagaagaacc | ttacgccgta  | 277680 |
| cttctggata  | tagccgctaa  | tgaatacaac  | cgtagacgca  | cctgctaata | cgcacaaaacc | 277740 |
| gagtgtcccg  | ataatatcgt  | catccgcaaa  | gaatggctct  | tgcttcatcc | ggaaagcaag  | 277800 |
| gcaactccac  | aacgcaaaga  | acgagccata  | agccaatgcc  | gccctcaacg | aagcgatacg  | 277860 |
| caagtacggg  | tatttggcaa  | gcagacgcaa  | caaggatttc  | atcagaccgg | cataattttc  | 277920 |
| acgtgaacga  | gcaggcagaa  | cgggaagcat  | cttgtaaata  | ataagaaagc | atccgagcat  | 277980 |
| aaacacacaa  | gccacaaaat  | agacggaacg  | ccatccccac  | atatcagcca | ggaaaccact  | 278040 |
| taacacccgt  | gagccaagaa  | tgcctatgag  | cagacaggac  | tgtataatcc | ccacgttgcg  | 278100 |
| taccttgtgt  | gctgggtgctg | aatggaaaga  | caccaacggg  | atgaagaact | gcggcataac  | 278160 |
| cgaagatgct  | ccggcaagca  | aggatgcgcc  | ccacacccaa  | tagatgttag | gggcaagtgc  | 278220 |
| tatggcaagc  | aatgctgcacg | atgaaatgat  | ataattgggtc | aatatcagct | gctttcgtga  | 278280 |
| aaccaaatcg  | ccaagcggaa  | tgacaaacac  | aagtccgact  | acataaccta | tctgggtcaa  | 278340 |
| tgctgcaacc  | atgctggcag  | aaaagtcgct  | taccccaaaa  | tcctttgcca | tgctgcccac  | 278400 |
| caaaggctgg  | ttgtagtagc  | agttggcaac  | ggaaagcccg  | gtagcgactg | ccagcagagc  | 278460 |
| cagcagaggt  | gccggaatgc  | cgtgggttttc | tctcaattca  | tatttcatca | tttattcctc  | 278520 |
| ctttcagtat  | gacacaactt  | tcaatccaat  | caaggaggca  | atgagcgtga | acaggaagaa  | 278580 |
| aagccgtatg  | ggagtggccg  | gctctttgaa  | aacgaatatc  | ccaatcaaga | ccgtgccgac  | 278640 |
| cgctccgata  | cccgtccaaa  | tggcgtatgc  | cgtgcccaca  | ggcaaagtct | gaaccgcttt  | 278700 |
| ggcaagtaat  | gccatactca  | ataccgtgga  | agccaagaaa  | ccgcttcccc | acagataaaa  | 278760 |
| accaatacct  | gatgcctctc  | tcgtttttcc  | caagcagaat  | gtaaggctta | cctcaaacaa  | 278820 |
| tcctgccaaa  | aataaaaatta | tccaattcat  | tcctatgatt  | tattaaattc | gggtgcaaaa  | 278880 |
| gtacaatagt  | tcgttaaaaa  | ttagcccagc  | ctaagcggct  | ctggcagtaa | ataaaatgag  | 278940 |
| ttctttgaaa  | agtttgtcaa  | ttaattgcgt  | gtttggttca  | atcccagaca | cgcaaataaa  | 279000 |
| tcgttcaagc  | atgtaagcat  | tgtgtatgac  | tgacttgcac  | gatgatattg | aatattttat  | 279060 |
| tcccatcttc  | ttacaggcag  | ccttggcgag  | gtttatcgct  | gcaagtgatg | cattaaagtg  | 279120 |
| gaatgccagt  | ttcctgaagt  | ctgtagactg  | acagtttgct  | attccggcat | gttgcttggc  | 279180 |
| atcccgaag   | cagaattcga  | gttggaacg   | tgttctgtaa  | aagtccagga | catcctgtgc  | 279240 |
| gttctgtatt  | tcgtttgtag  | agaaatacag  | ctgccatttg  | tccgttcttc | catccatggg  | 279300 |
| gtaccataca  | gccaggctca  | caaagcgttt  | gagtgccttg  | gagtatgctt | tcagtccgta  | 279360 |
| aagtttacc   | ttgttcactt  | tgtactcggg  | acatcttggt  | atgtccagat | tttcaaagtc  | 279420 |
| aattttctcg  | tcatgtaatt  | ttggacgtcc  | gcgttttcc   | gtcctatttt | ctaaggtggg  | 279480 |
| ataaaacaat  | acggcatcat  | tcctgaaacg  | gcttattacg  | tgaaaccgt  | tatcgtacaa  | 279540 |
| tggtttgatg  | aaagttgcct  | ttgaaaagaa  | cgcatcacac  | acgactgtgc | cagaaatacg  | 279600 |
| tttcagctgt  | tcctgtatgc  | tgataaggtg  | agagctgtac  | cagtcaacaa | gattcttctc  | 279660 |

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|-------------|------------|------------|------------|------------|-------------|--------|
| acagctttcc  | agcgttgcgt | tgtcaggtgt | ctgtacagag | cccaaagtca | tacattcatg  | 279720 |
| gttgtcaacg  | tctataactc | caataccggt | tatttccagt | ccacgtttgt | attcaccggc  | 279780 |
| acaaccggac  | cagaaatagc | caatccacgg | cgttttgctg | cctgattttg | gaatgaaaga  | 279840 |
| cggatcaacg  | gctatcgctt | tgcgaccacc | tttaagggtg | tccctgatga | tggcttcatt  | 279900 |
| gaaggaaaac  | cagtcaaagc | cgtcgttctc | aaaattgttg | cggtatgtct | gttccgagaa  | 279960 |
| acatccatac  | cgtcccattt | gtaggaaatt | gatgcgggtc | ggtatagcca | tgaataattt  | 280020 |
| cattgcatcc  | atgaatactt | tctgaaaaga | tttgcttata | tttacagctg | attcgagagc  | 280080 |
| gtttctgcac  | tcggtattgt | attgcataag | gagtgtattt | ttagtcataa | ttaaaagtgg  | 280140 |
| tgaagtactt  | ctaatttact | aaaaatcagt | gaattatgaa | atactttttc | tgttgatttt  | 280200 |
| cagctgttta  | gcatactctt | ttcatccctt | ttcttactcc | ttgacgattt | attcttgaca  | 280260 |
| gtattttcaat | gatctcttga | atataatttt | gaaccggatt | atgccgattc | tatgtttaat  | 280320 |
| tttaatttat  | cggtaaaaat | ttaccgaagt | attgaaagta | agcaagtaat | ttctaaccgt  | 280380 |
| tttttacatt  | tggtaaaaac | ggattttgca | tttgacaaaa | aaacagccgt | tagcagctgt  | 280440 |
| ttctgtgcgc  | tattttataa | ttttgtacca | caacaaaatg | acttatggat | ataaaggaaa  | 280500 |
| tcatcaacca  | gagatatgcc | atgccggatg | cgcttttgga | caagttgcgg | caatgcctga  | 280560 |
| cggaaagtctc | atacccaaaa | ggattccaag | tgttggaata | tggcaagata | gaaaaagaca  | 280620 |
| tctttttcat  | caagaaaggc | attgtcccg  | cctatacttc | ggtagagggg | aaagaaatta  | 280680 |
| ccttttgggt  | cggcaaggaa | ggggcgacta | ttgtttccat | gaaaggatat | gtgaatgacg  | 280740 |
| aaccggggta  | tgaacaatg  | gagctgatgg | aaaattctgt | cttatatgta | ttggaaagga  | 280800 |
| aaaaactgaa  | agagtatttc | ttgaaggatt | tgcacatagc | caattgggga | cggcgttatg  | 280860 |
| cggaaatgga  | actgcttgct | gccgaggaac | ggctgatttc | catgttgtca | gccgtcgcct  | 280920 |
| cggaaacggt  | tcacgagttg | ttggagaaa  | agcctgattt | gttacagcgg | ttgccggttag | 280980 |
| gaagtatcgc  | cacctattta | ggcatcacac | aggcaagttt | gagtaggatt | cgggcacaaa  | 281040 |
| taaaatgacg  | tttcaaccaa | ctgaggatag | caagcggttt | tggctctgcc | caaacacaaa  | 281100 |
| cttgctattt  | ttccgttgg  | attgtttata | atcccatgcc | cttgcccttc | ctaagcgggt  | 281160 |
| caaccgtcct  | tttaacggat | gagaacagcc | tgccaaactg | ctccttgaa  | cactctccaa  | 281220 |
| tcacttgccc  | gttgatggca | agtgaagct  | tggacttgct | tttcgggtct | tttaccactt  | 281280 |
| ggaagcctgc  | ttcctcggtc | gtgaacttcc | gcctgtgctc | ttccgaatag | agctcgccct  | 281340 |
| cgtagaacag  | cggtttgccg | ctgatgagcg | tggcagctct | cctttcggtg | aagccgactt  | 281400 |
| taaggcagaa  | cttctccata | tacaccagct | cttgaaactg | cggaaaccat | ttcttggtt   | 281460 |
| tttgataat   | ggatttttag | aatgacactt | cctcttggtg | tgccgcttcc | ttgtccgcca  | 281520 |
| tttccctgcg  | gtacttggct | tgcagttcca | ccaattggcg | gctgtgttcc | tcctgctgcc  | 281580 |
| gctccatctg  | cttttgcaat | aattcgatac | tctcgtcacg | ggcggcaacc | tcgccttgca  | 281640 |
| aggttcgggt  | gtcggcttcc | aactctttca | gtctgccgct | acccaaaaga | gaacctactt  | 281700 |
| ttgccacgag  | tgccgcttcc | gcctcggtct | tggcggcttc | cagcttctcc | gacttgattt  | 281760 |
| cttttttgac  | ttcgtcaagt | tcctgctttg | cctgttggcg | ttcgggtctg | aactgctgca  | 281820 |
| cgttggtctc  | aagctctccc | gtctgccgtt | tcaggtcacg | gtagtattgg | gcggtgggtg  | 281880 |
| tgtgccgtgc  | ttccgaacct | cgtatgccac | gctgcaatcc | gtacttcgcc | atcgctgcgg  | 281940 |
| cgtagctgtc  | gtggtaagcg | acaagccttt | cacgggtcag | gaggtcatcg | gcacacaaac  | 282000 |
| gcacggcggt  | ggctttcttg | cggtaggtgc | gtttgctgtc | cgcttgtttc | ttcttggtt   | 282060 |
| tcctgcgctc  | tcccgctact | atcggtacga | ccgttgcatg | gatgtgcggc | gtgtgttcgt  | 282120 |
| ccatgtgcag  | cactgccgaa | acggtgttct | ccctgccgaa | tgtgcgggtg | agccattgca  | 282180 |
| ggttgtcatc  | gcaccattca | cccagcctgc | cttcgtcctg | cactctcacc | atatcttcat  | 282240 |
| gcgaacccga  | aagcacgatg | cggattgccc | gtacttggct | gggagtaatt | tttcgtctga  | 282300 |
| tgcttgccgt  | gtggatgcgg | tggcttatcg | cttcgggtgc | gtctgccaca | ccgtcgggga  | 282360 |
| actccaccag  | ttcacgggtg | agatgggtgc | gtgtgggggc | ggcgttcttg | ggcattgttt  | 282420 |
| tgcgttctat  | gtggtcggat | gcgcccgtgt | cagccgaccc | tttcgccttg | ttgatttgga  | 282480 |
| tgcattatgta | tcccatgttt | gtttcttgtt | tttttggttc | tacaaattgt | ttgtcgggtat | 282540 |

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|            |             |            |             |             |            |        |
|------------|-------------|------------|-------------|-------------|------------|--------|
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| gttggtcat  | tgggtgttt   | ttagcattag | cgtagcggt   | gcgtgaagaa  | aacgccctaa | 282660 |
| tgagctatgg | cttttcgttc  | ccaaaagcct | gcggcggtgt  | cggcgatgat  | gtcggcggat | 282720 |
| gttggtcggc | cttttctttt  | tgccagcctt | gtatgatatt  | ctgtgccgtt  | gtgccggcat | 282780 |
| gattgcctgt | cggcacaaca  | gcatacagac | agggatgggtg | ttgccgtttc  | ccctgcggac | 282840 |
| ttgataaggg | ctgaaattcc  | gatgatttga | tgattggata  | gtctaataata | cagacagcta | 282900 |
| atgcaataac | ctttcatcag  | cgtttcatca | aaccgctcgc  | caaaagaaaa  | gcgatgagcg | 282960 |
| gcgttggtgt | gcctttctct  | tttcatcagc | ccaatccttt  | tggtgagcgt  | ttgatgagaa | 283020 |
| tgtaagtcgc | tgatcattctt | tatgtttata | tatgctttca  | tcatttcatc  | aaaatatcag | 283080 |
| agtgtttcca | actgttcctt  | gcttaccaga | tagtagcgctc | caatcctcct  | gacgggagcg | 283140 |
| taacggcatt | cacggttgta  | gtcgtattgg | taggtgggtg  | aggaaagcga  | attggatgca | 283200 |
| ggggaagct  | tccagcattc  | ctgcaccact | ttccgaacct  | gcgacttctc  | cacctttact | 283260 |
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| acgcttgcca | tgatgtcgag  | caggagtcc  | gtcatttcta  | tctccaaacg  | gttgcggttg | 283380 |
| cttcggataa | tcttcgcgag  | ggcttcgcgc | tccagcagct  | tcgggttgaa  | ccacattcgg | 283440 |
| ctttcttttt | cgggtggatag | ctgccggtgt | tgaggaaat   | gaagaaaagc  | gggtatctcc | 283500 |
| gctttcagtt | tttgcaggaa  | gtcggatca  | tcattccgta  | gcggcacaat  | cttcgcgacc | 283560 |
| caatagcgtg | tttcacctgc  | gtcaatgata | acgggcagat  | gctcgttggt  | ggagcacaac | 283620 |
| acgaacttgg | cgaagaagcc  | tatctcgtca | cggcttttgc  | ctttagcctc  | caccttgtag | 283680 |
| gatagtgtgg | tgctgaggtt  | cttcaaccgt | tcgctgtcct  | cacggcggtt  | gagcagcacc | 283740 |
| tcgtccacca | tgatgagcag  | cttgcccgc  | cagtcggaat  | tgaactggct  | gcggaagtcc | 283800 |
| tcgttggtgt | tgaacgtcac  | gttgttctgg | aatacggctt  | tcaggaagtt  | caggaacgtg | 283860 |
| cttttgccc  | tattcctctc  | ttcggacacg | agcaacagga  | tgggcagctt  | ctgaacggga | 283920 |
| tacagataca | gcagttgcag  | gtagtccatg | cccaaccctg  | actgttcgcc  | gaagatgtgt | 283980 |
| tccaccaacg | agcgaatgca  | ggggaaatcg | cccggcacgg  | gaacatggct  | tatcggtcgc | 284040 |
| tagaggttga | ggaacttgcc  | gactacgggc | tggtagccta  | catggtcggg  | tacggtgcag | 284100 |
| aagccgtcat | acttcgggat  | gcccgccatg | tagtccttgc  | cgtagtcctg  | tcgcagggtc | 284160 |
| tcggcggtcc | atgcgatgcg  | tctcctcaca | tagccgcgt   | caatgcgggg  | ctggttcaca | 284220 |
| atctttaga  | gcgtggtgac  | tacacggata | aattcttctt  | tcttttccat  | gtttcaaata | 284280 |
| taggttttag | tgccgcccac  | accttgtcgg | cagggtgatt  | aaacatgggt  | gcaaagctac | 284340 |
| ggcaggacgg | ctaaaacctt  | gatattgtaa | actatgcaga  | acggcgcaaa  | agaaaccgac | 284400 |
| ggataagaaa | atgcagtaag  | atggacaata | tcagtcatca  | aaaggcgaaa  | agaaaaagcc | 284460 |
| cgaagaagcg | gaaaatggta  | cttcttcggg | cagacttgga  | ttgtgtgagt  | gcatgggcgt | 284520 |
| agtgcacgc  | aaccgcactc  | gctggaatca | tttcgctcat  | agctacattg  | gatttagtgg | 284580 |
| tacaatcaaa | atcaaacggc  | tctgtcctcc | cggttgcgtt  | ctacgggttt  | gacaatccgc | 284640 |
| atcacatcct | ccggcttgta  | aaacaccttg | tggttgattt  | gcgaataggc  | caacgtgccg | 284700 |
| ttgtcgcgca | gcgtctgcaa  | ggttcgcgga | ctgatgttaa  | gctgtcggca  | gacctcttgg | 284760 |
| ttgtccatcc | agcggtttaa  | tgacttgctg | ccttgcttgg  | caaggagttc  | gttcacacgg | 284820 |
| tctgagaagc | gactgaactt  | cgccgccatt | tccttaaata  | cccctttctg  | aataatcaat | 284880 |
| actttcatta | gatttcaatc  | aggttcggaa | ggttgaagtt  | cgtgtaatct  | ccattcatga | 284940 |
| tcgcgccatt | tgagaaaata  | gttaaaccat | ctttctttac  | gccatgctgt  | ttatggatat | 285000 |
| ggccaaacag | atgcaagcga  | ggctttatct | cttctactct  | cgctaaaagt  | tctgtcgaac | 285060 |
| catagtttat | cccatcgtca  | aatcaagaa  | tgccataggg  | cggacaatgg  | gtaatcaata | 285120 |
| catccgtgtc | ggcaggatag  | gtagcatagt | tacggcgctg  | acggtcggaa  | atgcaatctt | 285180 |
| ccatgaacat | gggaacgcc   | taaaacctaa | cgccatgaat  | tgtagacacc  | gaattgcata | 285240 |
| ggtaatacac | attcttatcc  | aaccgtctta | tcttggttcc  | atataggcag  | gcacgtgat  | 285300 |
| tgccacagat | gaaaattttg  | taggaataag | ggaggtcgca  | aaaccagttc  | ataaaatcaa | 285360 |
| tggttcttgg | ctcacttcca  | ttcatggtga | aatcccctga  | atgtacaagg  | atgtcagcat | 285420 |

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|-------------|-------------|------------|------------|-------------|-------------|--------|
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| tcattattca  | aattgaatac  | ttattgcaac | tccttagatg | cgaattttgc  | taattctttt  | 285540 |
| agttcattga  | ttattataatc | attatccgtg | tttatgctaa | tctctttaca  | aatgtgccac  | 285600 |
| catgaattat  | tatcctcata  | caactcgtat | gtttcgtatc | ttctcaactt  | ctgcaactgc  | 285660 |
| ccttctgtta  | ctttcccggg  | acgttcagca | gtttggggca | accgtctcag  | tcctatctct  | 285720 |
| atttggtcgc  | caatgcttcc  | atcttgatat | agtaccatcg | taaaagctgc  | ataataattg  | 285780 |
| ttttcagtaa  | tgcaaccgca  | cgacatccac | tccttagtcc | agtcacatca  | atcgttttga  | 285840 |
| ggatactcaa  | tattatcgta  | aaggtagtat | atacctgcag | taaaaccttc  | ctttaccaat  | 285900 |
| atatcgcgaa  | tagccgtcat  | tctttcatta | cggttttttg | ttcctccttt  | ttcgatgaaa  | 285960 |
| gtaattcctc  | ctaccctaaa  | atctactggc | tcaagtagag | catatacttc  | cttgatatatc | 286020 |
| ttgcacatac  | gagtgaaggt  | cttttctgcg | aagcactttg | cctgctttgc  | atcactatctt | 286080 |
| aacattgcat  | taaatagttc  | gtcgaaatcg | gatatatcat | catcagccaa  | caagcctgta  | 286140 |
| ggattctctt  | tatattcctc  | ccagtttgcc | tcattacttt | ttgccctgtt  | cacccaaaat  | 286200 |
| ggtatggcag  | ccatgttccc  | attgttatcc | ttccaagcct | tgcaataatc  | agtgtatgcc  | 286260 |
| tgtctccaac  | ttctttgtct  | gtgtatccag | tcttgaggta | tgatatggtc  | gaaatcccaa  | 286320 |
| ggtctgtttt  | tgtcttccca  | taaatcttgc | cgtgctgggt | cgtaattagg  | aaatctctta  | 286380 |
| cacatatatt  | cccgttgctc  | gtagagtagc | atcttctcgt | tgtaagagac  | ggtttcccac  | 286440 |
| agcggccacc  | acggcatact  | gccgcgcca  | ttcccatcag | gtcgccagtt  | cttatcacc   | 286500 |
| tctattataa  | acaagctcct  | aaatgcttct | ggcgacaaca | aggggataat  | cgtccctttc  | 286560 |
| acacacgaca  | ccaacaacac  | tcgctttata | atggttctcc | attcgtttag  | tggattgttt  | 286620 |
| gccacagcct  | tgtatatact  | atttgccaca | ccaaacttat | cgccgaccat  | ccagtgaaga  | 286680 |
| tagtaagccg  | ttgtcgaata  | tagtgccctc | tcctttaata | tcggatctat  | ctgtccctct  | 286740 |
| tctttccact  | tggcaaatat  | catcagcaac | aggtacactt | cgggcgactt  | acgggcaatt  | 286800 |
| gtggttctta  | atacttttag  | tatcttatca | taattggtca | gccaatggtc  | tactgtaact  | 286860 |
| aatatgtggc  | tcattataga  | gcctttccca | tcagtacaat | acagttcggt  | tattgcttta  | 286920 |
| cgtacaccat  | cgtcaccagc  | caactttctg | atcttcgcca | cagatgggtc  | tcgttcaagt  | 286980 |
| cccttgcccg  | tagtagagag  | tacgagttgg | aaagccaatg | atatcagtg   | atgcggaggc  | 287040 |
| atgtagagt   | ttgccaatct  | atcgttctct | tccgtcagtt | cgggccaata  | agcctttact  | 287100 |
| gctgagtaca  | tcaactcgct  | ttgggtgatc | ggtgtaccac | cgggtgccgat | acggttgaaa  | 287160 |
| agtatctcta  | tgtccgagag  | tgctccggcc | tcacctttat | cttcgctttc  | atcttcgatg  | 287220 |
| gtctcttgga  | gtatgttaat  | ggtcggaacc | ttataatg   | acagtctctt  | gaatgcttca  | 287280 |
| tagtacttga  | ctatcaagcc  | atcattttat | tcgtccactt | gtttcagctt  | gaactttctg  | 287340 |
| gatgttttgt  | tttcttctat  | tttgtccatg | atacatttcg | caaagccatc  | tttgtcctca  | 287400 |
| ccatgctcct  | cacctgcgac  | tatcatccag | cacagaggaa | tgggtaatcc  | cgattctata  | 287460 |
| ggataagttt  | cagtcaggct  | gattgtgcct | tcgtattcgt | tgctgtgtgt  | tactccaaat  | 287520 |
| tcctgaagcg  | cagctttctt  | ttgcgccgta | ttaaagcgtg | tgcatgcac   | gttagcctta  | 287580 |
| taaccccaag  | ggtgtgcctt  | tgtggtggca | cgaatgatgt | atcttctggt  | tgtcttacta  | 287640 |
| ctaccccaaca | ctttatcatc  | gggttttagg | tcaaaccata | agatacaatc  | ttcgtgcgag  | 287700 |
| aaagtaccat  | atcccaaggc  | cacagcattc | caacgttggt | gcccatcaat  | taggttatat  | 287760 |
| atatctgtac  | cctctgtgtg  | caaagtgcga | agagtgaag  | caccgatagg  | gaattggcgt  | 287820 |
| aggatagagt  | cccacaacaa  | ctccacctga | tggggtttcc | atactaacc   | tcgttgtata  | 287880 |
| gccgggattt  | ttacttctga  | atcgatcctt | gtccaattcg | acatttcttt  | caacgtccat  | 287940 |
| tctgttttca  | tataaacatg  | ttttattaat | taaatcattt | atcttgcata  | gaaacaattg  | 288000 |
| acatacatag  | ctctcctctc  | ttttatcagg | attatgacac | ctatattgtc  | tgatgaaaag  | 288060 |
| actctgtctg  | atgaaaagta  | gctgcattta | tagtttccct | ccacaattct  | ccaccttttt  | 288120 |
| caattcgccct | gcacccgtga  | tctcccttag | aaacaaccgt | gcgcacatct  | cgccatcatt  | 288180 |
| gcctgcccgg  | tgggtgttgc  | cgtaagatat | cttgaattgg | tcgcaaagg   | aatccagact  | 288240 |
| gttgcaaccg  | aagttgtata  | gcctgcgtgc | cgcgcgagg  | gaacaataat  | aagtgatatc  | 288300 |



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| cggttctcc  | ataccgtata | gctccaacga | atggcggatg  | caaccgatgt | caaaagcggc | 288360 |
| attgtgagct | acaagcacgg | gaatgtcttt | aaggatttcg  | gctatctctg | cccatatttc | 288420 |
| cggaattcc  | ggtgaataga | cagtatcatt | cggtcggatg  | ccgtgaatct | gcatgttcca | 288480 |
| ataactgtaa | ctatttcctt | gcggacggac | aagccacgaa  | cggtttcca  | caatctctcc | 288540 |
| gtcacgact  | acgcagatgc | ctgcttcaca | gatggaagca  | cgtttgctg  | tagctgtctc | 288600 |
| aaaatctatg | gcgatgaaat | ttattccttg | catggtttat  | cctcctcttt | ccaagtgtaa | 288660 |
| tagtccaaca | tgttttttgc | aaaattgctc | atttcgttgc  | gactgattc  | cggttccaat | 288720 |
| acttccactt | ggtcgccttg | ggcgagaacc | aactgataga  | aatcgaaagt | cggtttcaga | 288780 |
| tgtactcaa  | aaagcgtgga | ctcgtcatcg | ccctctatct  | cccgttgtga | ttcgtgcaag | 288840 |
| ggtaaggtag | gcagataatc | ggcaaaaccg | ccataagcca  | aaagaacaat | gcgctgtatg | 288900 |
| ggttcattcg | atgtgattac | tccacagcat | ccttcaaaat  | attgattgat | attgaagttc | 288960 |
| ttcttcattt | tgaatgtctt | gcccgtatcc | tgaatatctg  | aaatacggtc | gagggcatat | 289020 |
| acccgataga | catcgggtgg | cttgatgcct | ttttctttgt  | tccggtctga | ataataggga | 289080 |
| ctgcgtgcca | ccacgtacca | acggcgcttc | acgactttta  | ggcaatatgg | ttcaatctca | 289140 |
| aatgtgctgg | gttccgggtt | gccaaaacct | tgggtgcgtaa | tactcaatac | tcgattacgc | 289200 |
| cgcatggcat | ccgcaatgca | ggtagccaa  | gtctgccctg  | aagggttttc | ttcaaaaata | 289260 |
| attcggctct | ccaacttatt | gtctgccttt | atctgattca  | atgtggcgta | tgaactgatg | 289320 |
| agccaactgc | gcagattggt | tccttcgatg | cgttccggct  | catcaatata | ataacggtat | 289380 |
| ccatccttcc | ggtcacattc | tatatatacg | tcgaatatgt  | ctttgatagc | cttcttatgg | 289440 |
| ttatgaaaag | tcttcaaagg | caattcctcg | ccataactca  | gtccgctttc | ctgccaaagt | 289500 |
| tcgttgattt | cctcaaactg | caaacgttta | taccttcgca  | gaatatccat | cagccagaca | 289560 |
| tatcgtccca | aaagatttgc | tgccatgcta | ctatcatttt  | atggttatgc | cacaaagtta | 289620 |
| cgtattctcc | tgtgccaaat | cgtagcccaa | tcttaatttt  | ttctcttttc | ctgcatttct | 289680 |
| tttatgttat | gccgcgtttt | ggcatttaag | actctttact  | ttgcggcaga | atagatgtta | 289740 |
| aaccttttaa | tgacaagtag | tatggcaaca | aagaactgga  | acaacgattt | tatggctaag | 289800 |
| gtattggaag | aagctgcatg | gaaagaactg | tcaagcgagt  | ttgcgtggaa | tgagccactg | 289860 |
| ttggaagg   | acaaggacaa | ggtgtcgtgg | aaagaaattt  | ccggcaacag | aaacatcctt | 289920 |
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| tcggacaatg | agcatctgtt | tatggcggag | aatctggata  | aatacaagga | atattggaat | 290040 |
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| gccgagtatt | gggattggaa | cgaaatcata | gactgctatc  | accgggacga | attgtatagc | 290160 |
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| ctgtgggaca | aattggttga | agacgagaag | aaacaactga  | agatacgtat | cctttcataa | 290280 |
| aacaaaatga | aaaccgtaga | aggctataac | gcaaaaatct  | acacggacaa | catcaaggaa | 290340 |
| agtgccagcg | aacaaatcaa | ggagtgtctg | tccatcgatg  | tgttcagcaa | gtgtaaaatc | 290400 |
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| ccgttcgtct | gcgtgaatga | gatagattat | catgctctca  | acgagtttat | ccttcgccac | 290580 |
| atcccgtcag | gacgcaatta | ccgggacaac | cgatatgcgc  | cgctcccga  | aaattatatg | 290640 |
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| gaactgatgg | aagaacaaaa | ccgcatgatt | gccaaatata  | aagcggtcgg | gcgtaaggac | 290940 |
| gagttgcagg | aggccatacg | gcaactgcac | aattcgttca  | agatgcgtaa | gccggccata | 291000 |
| ccgcccagct | tgtcctatct | ggaaggcact | tatcggaag   | attacctgca | tgacatgcgc | 291060 |
| ctctgccagc | attgggcaa  | gatgaatcgc | agtctgattg  | ccaatcttat | catggattac | 291120 |
| ttcatctccc | aaggctatgt | cgaattgaaa | caaatgaac   | tggcatttga | gagcgtgcat | 291180 |

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| gtggagtgg   | actgctctgc | cccacacgg   | gccggacgca | tcatgagccg  | gagccaggcc  | 291360 |
| ttcaagagta  | tatcaatgga | tgactaccgg  | gcttccatgc | agggcatata  | cagcgaaagc  | 291420 |
| ctgtcggaa   | agaccaaaga | tgagtgcgcc  | atggtgtaca | agccgaaaga  | tgaatcatc   | 291480 |
| ggaaacatcc  | gcgacacgg  | gagcattgtg  | aatgtgataa | agcctgtgta  | taacttcaaa  | 291540 |
| gctgcggaat  | gacatggata | cccctaaaga  | actgattgga | atggccccc   | gcaagtatga  | 291600 |
| ctatccactg  | gccgacgttt | cccattcttt  | tgaaaaagag | aaaaaggatt  | tgctaagacg  | 291660 |
| agggatg     | agggcgaagg | aactgtattc  | cgatgaggag | tttgaacaat  | gggtaacgg   | 291720 |
| atttgctgaa  | tggaacacat | acagccacag  | caacggccat | aagcctacg   | aagaagaaag  | 291780 |
| aaactccgaa  | aaaatggcta | ccgcaagtta  | tgaacgtggc | ttgtggatc   | accgcaagcg  | 291840 |
| tttcaacgaa  | tggaaaaaag | aacatctgca  | accgctcatt | gacgagttg   | tggaacatgc  | 291900 |
| cgcccacgac  | ccgcaatatg | actggcaata  | tctgtatgct | ttggagtgtg  | ccaaattg    | 291960 |
| ttgtatgagg  | gcttacttct | cacattcttt  | gatagcgaac | gagaatggta  | acttcagctt  | 292020 |
| caaccgctgg  | atagatattt | gcacagcct   | gctgcaacat | atcaaaggag  | atggcctgca  | 292080 |
| catctcccgg  | caacagattg | aacgaatgaa  | taccagaaat | gtaaagaata  | tagttccttc  | 292140 |
| cactctagt   | ggcgcttatg | aagaagcgcc  | tgcaccaagt | gatgaagaag  | acggctcttc  | 292200 |
| cgacaagttc  | tattatggcg | agaagatata  | tgtccgcaag | atggagcggc  | tatattaccg  | 292260 |
| gatacgtctt  | tacaagatga | gggagtggg   | ggagtaaaac | aaacattatc  | ggcaataacc  | 292320 |
| ctaagataag  | acagggacat | cggatatattg | gcgtccctgg | cttaaactta  | ttttttgttc  | 292380 |
| aataacagcg  | taacctttac | ttcctctttt  | tcataatttt | ctgtctgct   | accaaacaac  | 292440 |
| atgtttgtgt  | atccaagatg | ttgcatcacg  | gatttacgga | aggtctcaag  | ctccgtttca  | 292500 |
| tccagcgggc  | agtgagaagg | acaacggatg  | aagataacgg | cactgtcata  | cttcgtaagg  | 292560 |
| tcgagcagct  | gatattgggt | cattgactcc  | agaatgtagg | tgaggcgtga  | atctgagttc  | 292620 |
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| gtttcctctc  | tttcgtcagg | tgaaaatccc  | caataagtga | tttcccacaa  | gcaatgcatg  | 293040 |
| gcaggctctt  | catcagttag | gtgtatatca  | tcggccacga | caatttcttt  | ggccaaatct  | 293100 |
| tcttcccaaag | tacagtcgtg | catcgggctt  | acgccaatcc | attttcttct  | atcttcccat  | 293160 |
| tctccgcat   | gccattctac | aaagatttta  | ccttcaaaat | tatttgcagg  | ttccatgtta  | 293220 |
| cgaagaatgt  | cgtatgctc  | gcggaaggcg  | tagagattgt | ccagatgttc  | tggtcgtgt   | 293280 |
| ttctccagat  | ccggaagaag | ctcgtcgaag  | ccgacttg   | ttagtaattc  | ttttagtgtc  | 293340 |
| ataattaata  | gttatttata | gtagaatgtt  | atacgataac | aagcttatta  | tcattgtcta  | 293400 |
| atgtgacctc  | ctgcccaggc | ctaattgggt  | gagccaagtt | ataatcgagc  | aggaacttat  | 293460 |
| tgccggaggt  | tagttcattc | tgcgtatcat  | accggacaga | ataaaccttg  | ttttcccatc  | 293520 |
| ccaaggggac  | gctgttatat | tcttggg     | agcgacggc  | atacatcgtg  | ccgctgatga  | 293580 |
| tgggacattg  | agccacgatg | accgattggg  | tcaagacaac | ttgcatacgg  | caacgcgcca  | 293640 |
| ccagtcttgt  | gggattggct | ttcacgacga  | aaggatgttc | ggaaaggatg  | gctccgccct  | 293700 |
| tggtactat   | ttcatcctgc | aatgatttgt  | tcactctagg | atgtgtgata  | tctaagcctg  | 293760 |
| aggccaccac  | tgcgattgtc | tgtccgccc   | catcaagaca | accccgatgg  | gcagccgtat  | 293820 |
| cgcatcccaa  | agccaaaccg | ctgatgacga  | tatgcccttg | ttcgcccatc  | tgtttgga    | 293880 |
| gcccgtaggc  | catgtccaat | ccatctttgt  | ccgcagcacg | ggcaccaatg  | atagccacat  | 293940 |
| tgtctcacg   | gttgggcaaa | tccttattgc  | caagcacatg | gatgagtggc  | ggtgcgtctt  | 294000 |
| ctcgtaaatg  | gcggaagtga | tgaggatacg  | cttcgctata | ataaggaata  | gtgaccactc  | 294060 |

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|             |            |             |             |            |             |        |
|-------------|------------|-------------|-------------|------------|-------------|--------|
| cggtcttttgc | ctgtctatcc | aatatccgtt  | ttgccttgtc  | gagttcgcgg | atggacatgg  | 294120 |
| aagccgtttc  | tttcaatgaa | tatctttcgc  | cttccatgtc  | ttcatatagt | tgcttggaa   | 294180 |
| aatacccca   | caattgcagg | cataatagtt  | cttctactga  | aaggcaagaa | accctccatg  | 294240 |
| cctctatttt  | atthttgccc | ttcttgacag  | tctctttcca  | atcttctcta | tttttcataa  | 294300 |
| atggtattht  | atthttgcgg | aaaggaaacc  | tttcgatgca  | ccgaatcgga | gcataggctg  | 294360 |
| attatthttt  | tcgtctgctt | tcgtttgcat  | tactctacat  | gtggttcgaa | aaattataat  | 294420 |
| agaaataaaa  | atatctccgc | cttgtgctgc  | gatttggcac  | tttcatgacg | gatatttgca  | 294480 |
| ccatcaaacc  | aaataggagg | aatagaatga  | aactggcaga  | agcattaagc | atccgcgctg  | 294540 |
| acctgcaaaa  | cagaatcgac | caattaaaga  | gccgactgaa  | gtacagcgcc | aagggtgcagg | 294600 |
| aagggtgacca | accttctgag | aacgtgaacg  | aattgtataa  | agaattggat | gaatgccttt  | 294660 |
| cgcaattcga  | ggggattggt | tatcggatta  | accacaccaa  | catgcaaacc | gtgcacgaag  | 294720 |
| gagaaactct  | cactcaaagt | attgcccgc   | aagacgcatt  | gaagttgcgt | ctgacagtaa  | 294780 |
| tgccgcgacct | cttgaagcac | gttgttgaaa  | atgaccgtta  | cggacgacag | gagataaaat  | 294840 |
| atgtccgcac  | ggtggatgtg | ggtgaattga  | gaaggggtgac | ggacaactat | tccaaacaac  | 294900 |
| tccgaagtct  | ggatatgaag | ctacaaagcc  | tgaattggtc  | agttgattta | atttaataaa  | 294960 |
| ataaggtgta  | gtccttcttt | tatcaggcaa  | tggcggcact  | tctttgtcgt | atgacagggg  | 295020 |
| caacaaaacca | aggtggcagc | tggtagaggc  | atggttatta  | ctgcgcatct | ccaacacagc  | 295080 |
| gtacaaacgc  | attcacgcat | acgaccctg   | gggaagatt   | attacgcatt | accttgtgcc  | 295140 |
| gattgttttt  | ggaaagagga | cgaggggtgg  | ttgaggggat  | tagtatcatg | ataaaaaata  | 295200 |
| gtgttatgac  | attcaaggaa | ctgttttcgc  | aatttagttt  | tgctgaaata | agtcgggcat  | 295260 |
| tcttgaatct  | atggcaaacc | aacgaaccga  | agttggccgg  | gcagcttgat | ttggacaagt  | 295320 |
| ggaaaagaat  | ttatcagaaa | gtgcaagcgt  | tggaggcaaa  | atcatcccc  | tattacatcc  | 295380 |
| gcttgggatg  | gcgttgggaa | acctgtagtc  | cgatgataga  | tatgaactgt | tctgtatacg  | 295440 |
| acaaagcgga  | caatcacctc | gactgcccta  | tggcctgcta  | tccttcgtgg | tcggaaatag  | 295500 |
| ctggtatgga  | agtgggtgga | gaaaaagata  | tcgtgatcac  | gccacaagag | cttgtcgcgg  | 295560 |
| gcttgctgtg  | ggaaatcact | tactttggcg  | ggacggaaga  | gatggcgga  | gaaaatcgga  | 295620 |
| aaagaatatt  | ccaatatcaa | ggggcagtaa  | tggatacatc  | gaaaagactt | tgactaacta  | 295680 |
| acttattata  | ataaattggt | gcttatatgg  | aagagaatga  | ttcaactaag | cctgtgtttg  | 295740 |
| acttttttga  | ctttcaaccc | aaaacttgtt  | ccttctcaat  | aatcggaatt | gggggcggag  | 295800 |
| ccggaagaat  | tgtggaaaaa | atgcagaaat  | atgaactgcc  | ggatacgaat | ttatacgtgt  | 295860 |
| ttggtatgaa  | taaaaaggaa | atgagagaat  | tatctctcgc  | tcataagtat | ctcattggca  | 295920 |
| ctgacggatt  | aggaagtgga | aaggacagac  | gtttggcaga  | ggcagaatgt | aagaaatcgt  | 295980 |
| tgccgtgttt  | aaagcaaata | cttgacagaca | aacttgtgtc  | tatttttatt | gtatgcttgg  | 296040 |
| gcggaggaac  | aggagaagga | tgtatcaaac  | atthttcttca | gaaagccgtt | gatttgaaag  | 296100 |
| ttaaggtaaa  | actggtagtt | gccactttgc  | cgcattcgtc  | tgagggtatg | gaaaagagaa  | 296160 |
| ggaatgctgt  | aaagttgctt | ggtgaattgg  | aaaaaattgc  | tgacggaatt | ttcgttgtgg  | 296220 |
| attatgatgc  | gttgccttgc | catacgcttt  | ctgaactgtt  | tgaagaagca | aacaaaagag  | 296280 |
| tcgctaatat  | cgcgaaactc | tttttcagtc  | tgataataaa  | gcacagtctg | atthgttttg  | 296340 |
| accttaatat  | tgtgagaagt | ttcttgggtt  | atcattcttg  | tacaaagttt | attgactact  | 296400 |
| ttacattatc  | aggaagcgtt | gattatthga  | aggctgaatt  | aaaaaatata | cgaaaattcc  | 296460 |
| ttccggcaaa  | atatgtttca | ttagaggatg  | tttctaattt  | aatctttgct | ctttattata  | 296520 |
| acaggaaggt  | tgacgatgat | gataatgacc  | ctgtccgtga  | acttttaaat | gttttccatg  | 296580 |
| attgtataga  | gatgaaacag | gaaagcactc  | agataaaatg  | gacgatgttt | gacgttccaa  | 296640 |
| ccatgccgac  | aggcattttt | cggatagaca  | tttttaccaa  | atgcaattaa | tggttattat  | 296700 |
| ggaaaaaata  | aatgaagtat | tcttcagtga  | acatggacta  | acttccacct | cggcttcgca  | 296760 |
| cttggctgat  | ttggcacagg | aggttatagc  | cgggaatgaa  | acgaagttga | aaaacatgac  | 296820 |
| ttttgtgacc  | acaaaagtcg | atattgtagg  | ttcggcttcc  | gaatcgggga | aaaccatctg  | 296880 |
| tgctcgctat  | gacgggaata | tgctagccca  | ggtgcgtccg  | cttttggaag | aaatagcctc  | 296940 |

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| acaggtggca  | aacttcacat  | ttgaagaatg  | gtgtacgttt | caaggagtcg  | aaataccttc   | 297060 |
| cagtcctatcc | tatccgaagg  | aaacgacgga  | agcggatata | atcgctcaga  | tgaatatcaa   | 297120 |
| agagcgtaac  | cgctatctgc  | aattggaagc  | catagccgct | actattggga  | aatatatattca | 297180 |
| tcccggaggc  | caattctctt  | cagcccgtga  | agaactccaa | aacagaatca  | tgaaacctta   | 297240 |
| cagcaccgat  | ggcaatggga  | aagacacgct  | gatttatgcg | catactccat  | ccgtaaacc    | 297300 |
| gcaaaagggtg | gaagacgtgt  | tctttgaact  | tcagaaatgg | catcgccaaa  | atgaacgtga   | 297360 |
| gctgaacagg  | atgaagtttg  | ccatcaagaa  | acaagcggaa | aagaagacct  | tggaggacat   | 297420 |
| ccagcaattc  | aagcaggcat  | tggaaatagga | gaaacagcgt | cacatgcagc  | tttttacc     | 297480 |
| atacaaaagag | tggcaatttg  | aagaacggga  | acgtattttc | cgcttgaaga  | ttgtggtgcc   | 297540 |
| ggaagccttg  | caagatactt  | atgagagatt  | gaataaattg | gaagaataaa  | acaaggtgct   | 297600 |
| gtgaacctgc  | ttctcaatgg  | aagctaataca | tggctttgat | ggaacgggag  | ctgtcagtc    | 297660 |
| tattgtgtgt  | gaaaagtacg  | aaggtacaag  | gtatgtcaaa | taaaaaaac   | ggcggatgta   | 297720 |
| gctaatagcct | gcatgatgca  | catccggtct  | gagcctttgc | cgtagtcttt  | gtctgtgtct   | 297780 |
| tgatgttccg  | gaatggacat  | cgttcggaca  | gctccgttcc | taacttgaaa  | tatctggtct   | 297840 |
| gtatatggaa  | tcattaagaa  | atgcgataca  | acatcccaaa | gaaccattca  | ctcttgttga   | 297900 |
| gaaaaattaag | atatgcctgt  | tgtctgtctt  | tttgtgtata | ggtctgatgg  | ctcatatttg   | 297960 |
| tatgagaatg  | ttaggaataa  | gaaaaacatc  | agcttgtcat | ccaatgtctc  | ttgtcagatt   | 298020 |
| gtttgggaat  | aaacggagga  | attagtgtca  | tccgttattc | aggttgccc   | acttcggagg   | 298080 |
| tgaaccagc   | ggcaaggctt  | tcggggagta  | acccgaaagg | tttcgagtaa  | ctcgaaacat   | 298140 |
| accttgctgc  | tgccactttt  | cggcagtaac  | cgaaaagcct | tcgggtaacc  | cgaaggacac   | 298200 |
| cttgctgtgc  | ttttgagagc  | acaagaaatc  | cgtcaataaa | cggatttgaa  | caagtgttgt   | 298260 |
| tatttcggct  | ttcaaagcat  | cgtttcccga  | tgcccaagct | gccccaaaaga | agaaagggaa   | 298320 |
| tagggcggtg  | tgtaaagcctg | caccttattg  | agattacagg | gaacaaagcc  | ggattttcat   | 298380 |
| ccttctgaaa  | aacagacaat  | agtgtcaatt  | cgatgtcaat | atgtgccaat  | cacagccaaa   | 298440 |
| attgacatta  | gactaataag  | gaaatgctat  | tttgagcaaa | tacatcctcg  | cttgttcaca   | 298500 |
| agctcagcaa  | accaatgatt  | tacaaaatcg  | acgatgaaca | gaaccggaca  | accaagaaag   | 298560 |
| taatccaatg  | cagatagga   | gcaacatagt  | ttcaatgata | tgctgggttg  | ctgtcgtgtt   | 298620 |
| gttgtgcagg  | tttacaacag  | cgaaacttca  | aataaaggta | tcagcaatgg  | attgtggctt   | 298680 |
| tagagagggtg | gagtttggat  | gatataaatc  | ggtggtacaa | tacatccgtc  | tatcaacgta   | 298740 |
| gtaataaagc  | aacaaaagaa  | tgggtgcaata | aacaaaagca | tataggcata  | cgcacgctgg   | 298800 |
| cctgcaagcc  | tgcccgcgct  | ccaacctgcc  | tgtcgtccag | cttgccctgcc | gaccggtctt   | 298860 |
| ccggcgtgcc  | tgcctgccgg  | cacacagaca  | ggcgaacctg | ccgacaggct  | attcgcaaac   | 298920 |
| gggcaggctc  | aaatatgatg  | tggaaacggg  | atggaattaa | aagcaagaca  | gtactaccga   | 298980 |
| ttttcatcag  | caagatgtgc  | aacaaatata  | caataatgat | aagatgtttg  | attttctcta   | 299040 |
| tttttcagag  | gaatagcttt  | ggttataagg  | aagaaaaaca | ttatttttgc  | aaatgagaaa   | 299100 |
| agcgttcttt  | tgattgatgc  | agaacattgc  | agaatagaga | agcccgtctg  | tttccaaatc   | 299160 |
| gttacctgtt  | aagctgacaa  | tctttgtaag  | ttctttgttt | tcaatgagta  | agaagaattg   | 299220 |
| atatgtcttg  | caacgtggaa  | gctgatgtcc  | ttattcacgc | cgcattccc   | tatcatcttc   | 299280 |
| ttcaacgggt  | tgcagattga  | ccaatagttc  | agattgggga | ataccaagtc  | gttttcttgg   | 299340 |
| aacggtcggg  | aacgctcgat  | tatctgcaag  | gggatgtcca | gcagctttac  | ttggaaagggt  | 299400 |
| acgcccgctc  | tgtgacgctt  | ggagataatc  | catttctcgc | cgttcacctc  | cacgattcgg   | 299460 |
| tcgttggtca  | gttccttgat  | gtccacgaaa  | gaaagggcgg | tgaagctcgc  | aaacacgaac   | 299520 |
| aggtcacgga  | tgtatgccag  | cttcgggtct  | gcgaactcgt | gcgtcattac  | cgccttcaac   | 299580 |
| tcatcctccg  | tcaaaaactc  | acgctccttg  | acattcgggc | tgatgtggaa  | ctgtgcaaac   | 299640 |
| gggtttctcg  | gtatcagacc  | gttgaagtgc  | gcacgcatca | ccacaccttt  | cagccacatg   | 299700 |
| cacttttccc  | atatcgtgcc  | gttgcgcaat  | cccgttccg  | tggagagata  | gaccgcaaac   | 299760 |
| tccttgatga  | agtcgggcgt  | aagctccagc  | atcgacatgt | cgctgcgctt  | gtagaacgac   | 299820 |

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| ttgatgaacg | ccgccacata  | gttccttgcc  | actacccttg  | actggtaagt  | cgccagtttc | 299880 |
| ctgtccttgc | cgacacgctt  | cttgaacacc  | tcgttctcac  | ggtcgaaggc  | tttgagcagc | 299940 |
| gtttcatact | cgccgcctat  | gccctgatag  | gcgttgcgta  | ccatctctgc  | cgtcacaaac | 300000 |
| gcctcacggt | cggatatgcy  | ctggtagtgc  | ttgatgattt  | gcycccttgat | gttgtcaagc | 300060 |
| gcaaggttcg | tttcccttgc  | ctccaaactc  | ttgcctttgg  | cacggttgcc  | ctttgcatcc | 300120 |
| caaagtctct | ttgagatgct  | ccgcttgcaa  | ctgaactgcy  | ccaccgttcc  | gttgattgta | 300180 |
| acccgtccca | tgatggggac  | agttccattc  | ttctccttgc  | tgccgttcgc  | atagaacagc | 300240 |
| acgcgaaatg | tgctccttgt  | catactcggt  | cttttttggg  | tgcaaaacta  | taaatcaacg | 300300 |
| agttaaacct | tgacaagcaa  | acctaagcag  | agcggcgcaa  | acggaacggt  | gactgttaaa | 300360 |
| tctgcatttc | tgacgggtaa  | cgattaggaa  | accgttctct  | ttctccaatc  | cgctttgaaa | 300420 |
| cgctattcag | ccctctatcc  | aacttccgcy  | atthttctct  | aactacttaa  | ttcacagatt | 300480 |
| acattgcgtt | aatctgcccga | atthttggagg | tttttccata  | gattttccgt  | aagtttgcac | 300540 |
| ggcatagaat | aacggctaaa  | gtcagcaaaa  | agacttttga  | ttggttttaga | tgccatcaaa | 300600 |
| atgtgagaaa | agccgttagg  | aaatttgaga  | aaatgtcata  | ttgaatttag  | agagtaccgg | 300660 |
| atgagattcg | aagctaggca  | tatcataatt  | gttttcttgt  | gcatttggtt  | gtcagttcag | 300720 |
| attgttgcyg | aagaaacat   | ttttcctgct  | attcagcagc  | aggaaaagat  | attgaagcyg | 300780 |
| catcctgaag | atgtacgggc  | cttgaaggaa  | ctgtgtttcc  | tttacttgca  | taaggcggt  | 300840 |
| taccagaagg | ctatagaata  | cggagaaaaa  | cttttcaagc  | tgggatatga  | gaagagagac | 300900 |
| tacaagttca | gtgccctgta  | cgcgcataat  | gcaactggag  | aggcgatatc  | catgttgggg | 300960 |
| gatagtacgg | ctatcaatca  | cctggggcag  | gccatgctga  | taggagaaa   | cgagaaaaat | 301020 |
| gattctgcct | tgtgttctgt  | gtataacggg  | atgggactgt  | atgccagcaa  | tattcataag | 301080 |
| gactattatt | ctgccctgca  | ttactttttc  | gaaggaatag  | aagcggcgca  | ccggtgtcag | 301140 |
| tataaggaac | tggaagctct  | cttgcttggg  | aatattttcca | gtatctattt  | tttgaaggaa | 301200 |
| gatccggcgg | ggcttgatta  | ctctttgcag  | gtttatgaga  | tggggcatga  | tttaaattcg | 301260 |
| gcttatctta | tttttattgg  | ggcattaaat  | acatcgtata  | tgtactatct  | gcttcatgac | 301320 |
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| tacaatcagg | gaaatgtgta  | tgccatctat  | ggaatgattg  | agtttgccaa  | aggcaaccgg | 301440 |
| cagcaagcca | tcgaatatta  | taaggaaggt  | ctggcgttga  | atgacaaaaa  | tcagacctcg | 301500 |
| tataaggtat | tgctgctgaa  | tgaatacgcc  | atcgcttttg  | cagaaaaagg  | gaaaaaccag | 301560 |
| caggccatcg | atttattgtt  | tcaggctctg  | tcgcttacca  | agacagaaaa  | ttgcgagatt | 301620 |
| tatcggaaca | aggatcatca  | tacgttgtct  | gtctgttacg  | aaaatatggg  | aaaatatgtc | 301680 |
| gaggcattgt | cctggcagcy  | caagcttcag  | caggaaaccg  | acagcatttt  | caatacggat | 301740 |
| aaagagaagg | ttctgagcga  | actgcgtatt  | aagtacgata  | cggaaacatca | ggcaaatgaa | 301800 |
| atccgaaaga | acaagtgggt  | gttgctacaa  | aaggagaaaa  | aagagcaggc  | tctcattggc | 301860 |
| attctgatta | ttgttttgct  | ggtgattttc  | gctttatggt  | atcggtataa  | gagacagaat | 301920 |
| cagttgtaca | ccaacattgt  | ccgtcagtat  | caggagtcca  | ttcgcaaaga  | acagcagttg | 301980 |
| aaggatgtca | tttcttctct  | tcgaaaacaa  | caggaggaaa  | cagcttccgc  | attacctcct | 302040 |
| tcggcaagtg | agaagtatgc  | ggcttcttcc  | ttgacgagcy  | agaagaaaaat | gtctttgttc | 302100 |
| cagcgtctgg | aaagactgat  | gcaggaagag  | gaggtttaca  | aggagaacct  | gctgacaaag | 302160 |
| gagcgggtgg | ccgatttggt  | ggggacgaac  | cggacttatc  | tgtcgcaggt  | catcaacgaa | 302220 |
| cagactcagc | agaattttac  | tcagtatatc  | aataattacc  | ggattaatga  | agccattcgt | 302280 |
| ctgttgagtg | acccgaagaa  | tgacattccg  | ctcaaggctg  | tggctgccga  | agtcggtttt | 302340 |
| agttccatga | gcacgttcta  | taagatattc  | cagaatacgg  | taggcattcc  | tcctaagcag | 302400 |
| tatcgtaata | aggtaatgtc  | tatgcataat  | aataacctgaa | agattctttt  | tgtatcaaaa | 302460 |
| tgttatcctc | atgcgacaat  | tgtcgaattt  | ggatgcgtgc  | ttcttgtcaa  | tattatatct | 302520 |
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| ctctaaaaaa | gatatagtat  | ggaaaaaac   | gtattgcacg  | acattcggct  | caaaatgggc | 302640 |
| tttctgctat | tgtgtgctat  | gtggatatta  | tcttcggctt  | cggcttatgc  | gaggggtgaa | 302700 |

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|             |             |             |             |            |             |        |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| cgtactattc  | atggcattgt  | agtagatgaa  | aacaaggaac  | cgcttcctgc | ggcacatgtc  | 302760 |
| aagcaggatga | atgaaaattc  | cgggtggttcg | gttgtagctg  | ttataacgga | tatgcaggga  | 302820 |
| catttcactc  | tgactcttcc  | ggatgaaaca  | aaggaaatag  | aggcttctta | tctgggatat  | 302880 |
| aagtctcagc  | gaatcaagtt  | gacttcggct  | caggattatt  | acattgttct | tcagccttct  | 302940 |
| accgaattgc  | ttgatgaagt  | agtggtgact  | ggttatcaga  | ccatttccaa | ggaacgtgct  | 303000 |
| acaggagcat  | tttcgaaggt  | ggatgccaag  | aaattggaaa  | cgcagcgttt | gaacgatatg  | 303060 |
| agttccatgc  | tggagggacg  | tgtagccgga  | tacagtgcg   | gaaaaattcg | aggtgtgact  | 303120 |
| tccatgaacg  | gactgacaac  | tccgctgtat  | gtcattgacg  | gatttccggg | ggaaaagacg  | 303180 |
| acgaacgacg  | gatacgggaa  | ctgggtggaa  | agtgtgccc   | acctgaatat | ggaagatatt  | 303240 |
| gaaagcatta  | cggctcttgaa | agatgctggc  | gctacttcca  | tttatggagc | tcgtgcagca  | 303300 |
| aacggcgtgg  | tgggtgattac | gaccaaaccg  | gccaagaagg  | acgagctgaa | cgtgtctttc  | 303360 |
| tctgctacgc  | tgaccgtgca  | gccttacgat  | acgtatgccg  | acaaatacct | ggccagttcg  | 303420 |
| gctaccatgg  | tggaattgga  | acgggaatgg  | gcggcccaga  | atcctcatct | gagcgggaacc | 303480 |
| gatgcgcaaa  | gttatgcgca  | gacggtactc  | gacaacatgt  | cttatcctac | actcggcata  | 303540 |
| cggaatattc  | tgaattatta  | tgccggacat  | atttccaagg  | atcagatgga | aagtaatctg  | 303600 |
| gctggactgg  | cttcgcaggg  | gtatcgctat  | tatcgggaca  | tcgagaagta | cggcaaacgt  | 303660 |
| aatccattct  | ctcagcagta  | taacctgaat  | atcgggaaag  | gtacggaaaa | gaatactttc  | 303720 |
| aatgcctctg  | tctcttatcg  | taacaatcag  | ttggaggata  | gatattccga | gaacagaact  | 303780 |
| atcggtatca  | atttgcagaa  | ctctacgaag  | ctgacttctt  | ggctgacgtt | ggatgtgggt  | 303840 |
| acgtatctga  | attacggaaa  | gggtaccacg  | cagtcttata  | gccttttctc | accgggatat  | 303900 |
| acttatatgc  | cttacgatgg  | tctggtaaac  | agtgcggta   | cgaattacac | gaatacagaa  | 303960 |
| gcagaccgtt  | atagcttgta  | tgacttgaac  | ctgctgcata  | ataacggatt | gtataatctg  | 304020 |
| gatattacgc  | cgctggatga  | aattaaaatg  | aaccagacca  | agaatcagga | tttcagcaac  | 304080 |
| cgtacgtttg  | cccgtctgtc  | gttcaagttt  | accgactggc  | tgaagtatac | ggcttctttc  | 304140 |
| cagtacgagt  | atgcagaata  | taagaccgaa  | cagttgaaaa  | gcaaggattc | atacgaggta  | 304200 |
| cgaacaagg   | ttaacacgtt  | ctctacttcc  | aacaacgacg  | gtacatcgac | atttgccctg  | 304260 |
| ccgtatggaa  | acattttctt  | tacttcttcc  | aatgcgacac  | atgcttatga | tttccggcag  | 304320 |
| cagctggact  | tcaacaagac  | gtttgccgag  | gtacacgatg  | taaccatgat | tttgggtacg  | 304380 |
| gaaacccggg  | aaaataaatt  | ggattacaat  | gatcgtacgt  | tgtataatta | cgatcctcaa  | 304440 |
| ttgctgacct  | acagtttagt  | taatgccgga  | cagttgagcg  | gtttccgtgg | gcaatgggga  | 304500 |
| tacggctctt  | ttggacagca  | ggatatgtcc  | tacatccgtg  | agctggtaaa | ccgttacgta  | 304560 |
| tctgtgtata  | gcaatgcagc  | ttatacctac  | gatggaaaat  | acatggtgag | cggaagcatc  | 304620 |
| cgttgggata  | aaaccaattt  | gttctctacg  | ggttccaagt  | atcagaagcg | tcctatctgg  | 304680 |
| tcggtaggtg  | ccggatggaa  | catcagcgag  | gaaaagtttt  | tccaggtgcc | gtgggtgaat  | 304740 |
| atgctgaagt  | tgcgtgcaag  | ttacggtatc  | ggaggttaata | ttgccaagga | ttcggctcct  | 304800 |
| tacatgattg  | cttattataa  | taccaataat  | caggtgggag  | gtattcaggg | aacaatctcc  | 304860 |
| agtcgaccga  | atccgaactt  | acgctgggaa  | aagactacga  | cactgaatat | cgggtgtggat | 304920 |
| tttgccttgc  | tgggtaaccg  | gttgaatggg  | tcaattgaat  | attacaacaa | gctgggtacg  | 304980 |
| gatttgctgg  | ccaataccaa  | cggagtacct  | acggaaggat  | ggggatacag | tacctattcc  | 305040 |
| atcaacaacg  | gaaaaatgac  | gaaccgaggt  | ttcgaattga  | ctttgtcggc | cgatgtaatc  | 305100 |
| aagaacaatg  | actggtcatg  | gaacgtcggg  | ggagtgttgg  | gatacaacaa | aaataagggtg | 305160 |
| acttatatca  | acgttgaggc  | tccggctctt  | tatctggtaa  | ttgattatcc | tacagcttat  | 305220 |
| ccccgtgtag  | gaaatcctta  | taacgctatt  | tacggatatc  | aatgggcccg | actgagcgcg  | 305280 |
| acgggtactc  | cgcagggtgta | cgatgcaaag  | ggaaatctgt  | acaccgatat | gactcctccc  | 305340 |
| gaaatagaag  | atctgggtgta | tctgggaact  | accgtgccgg  | tttacaacgg | ttctattaat  | 305400 |
| acgaacttac  | gctggaaaaa  | ctgggaactg  | gctgctcagt  | tcttgtttga | aggcggacac  | 305460 |
| aagatgcgga  | ataccaatgt  | ggcgttcac   | ggttctggaa  | tgagtctgtg | aagtaaggac  | 305520 |
| attgaaaatc  | gctggaagga  | accgggagat  | gaagcttata  | cggatgtgcc | gcgttacatt  | 305580 |

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|             |             |            |            |            |             |        |
|-------------|-------------|------------|------------|------------|-------------|--------|
| tcgacggaga  | gtgaactgta  | taactataac | tacgagagca | tgtatgccta | ttcgtccatc  | 305640 |
| aatgtgctgg  | atgctaccaa  | ctggaaactg | agaaacttgt | cgctgacata | tcgtattcca  | 305700 |
| gccagcgat   | gccacaaact  | gtatgtgaag | aacgcgcgta | ttatgctggg | tatggaaaac  | 305760 |
| gtgtttatgg  | tgcccaagag  | cagcaatgct | aaatatgtgc | tgggcggcta | tgccaaacct  | 305820 |
| aactacttgt  | gtgggtgtta  | cctgaatttc | taacctcgat | ttttatagta | tgaaacgtat  | 305880 |
| gaataagata  | ttatatattg  | gggctgcgct | ggtttgcttt | ttgctcagct | catgcaatga  | 305940 |
| ttatttgaat  | atagcgccga  | aggggaacaa | gattcctacc | acgctggccg | atgttgaggc  | 306000 |
| cctgctgcgc  | gatgagtata  | ccatcggccg | aactcctgtg | accaatgcct | tgtatctggt  | 306060 |
| gaatgatgta  | tatctgacca  | attcgcaggt | gaacacgccg | agcttgagcc | gtgccaacta  | 306120 |
| catgtgggac  | gaatcggccg  | accgtattgt | gctgaataat | tccgacgaag | gaacttacta  | 306180 |
| cgtgctttat  | ggagccattt  | ccagctgtaa | tctgattggt | gagaatgtgc | ctacggcgac  | 306240 |
| tgaggcgaca  | gatgccgaac  | gaaacgaagt | gatagcgat  | gccaaggtga | tacgtgcgct  | 306300 |
| ttgctatgat  | gtgctggtca  | attattacgc | cgatacgat  | gatgcggcaa | cggctgccc   | 306360 |
| aaagcgcagt  | gtaccctca   | ttatcagtc  | ggagattgat | gctccttaca | cgcaggtttc  | 306420 |
| cattcaggat  | atgtatgatt  | tcattcttca | ggatgtaaag | gaagccattg | agatgggggt  | 306480 |
| gcctgcacaa  | tctatgacag  | ccattcatcc | gaacctggga | gctgcttatg | ctttgctggc  | 306540 |
| ccgtgtgtac  | ttgcagatgc  | agaactacag | tgaagctttg | agttatgctg | acctggcttt  | 306600 |
| gaaacagaat  | gaccagcttt  | atgactggaa | tgcattctat | gaagaacata | aggccgccat  | 306660 |
| cgatgatccg  | gacaactatg  | ataagattgc | cactcctatg | caatatgatt | atgtagaaaa  | 306720 |
| ttattatctg  | cgttttggag  | aacaatcggg | ttacgatagt | tacgaaaaaa | acattccggt  | 306780 |
| ggaaaagagcc | gcacgtttcg  | aggaagggga | tgcccgtttc | ctttcacgct | ggaaattgaa  | 306840 |
| agtagacaat  | aatgacacct  | attacaaggc | tttggaatcg | ggatacttta | atcacggggg  | 306900 |
| actgaccact  | tgtgaggtgt  | atctcatcaa | ggcagaatgt | caggcacgac | tggcgcgagaa | 306960 |
| caacgattat  | tctgaagcga  | tgaatacgct | gaatgccgta | cgggttacc  | gcatccgtcc  | 307020 |
| cgaggtttat  | cgtccggatg  | aagcttctac | actggaagag | gcgctttcgc | agattcgccg  | 307080 |
| taccaaggac  | aatgaactga  | ttttctctat | cgtgccattt | gcggatgcc  | ggcggtataa  | 307140 |
| tctggaaggt  | acgtatgccc  | gtacgtgac  | caagacttac | gacggaaga  | agtatacggt  | 307200 |
| ggctccgaca  | tctcatttgt  | ggaccatgcc | tttcccggct | ggggcactca | ataatcccgg  | 307260 |
| aaacggaaca  | atcgaacaaa  | atgtaactaa | ataaaatcga | attatgaaaa | tgaagaattt  | 307320 |
| ctcttgatg   | gccattatgg  | ggttgatggc | gatggcgtgt | accagtcagc | ctgtagtaga  | 307380 |
| tggtatgtg   | ttgaaaggct  | atattgaagg | cttgcccagc | ggcatacatg | tccagctggt  | 307440 |
| gccggttaagc | cacgacagt   | aactgccttt | tgccgatacg | acggtggtca | acggacagtt  | 307500 |
| tgtgtttacg  | ggaaaaatgg  | aagaaccgag | agccttccat | ctgttggtga | aagatgcgta  | 307560 |
| tggtcgcgt   | aatcttatgc  | tggaaaatac | gcagatggaa | gttacgggaa | aactggtggc  | 307620 |
| taagaaggaa  | gccgatggag  | gagtgtctta | caatctgtcg | tctttgtcgg | taaagggttc  | 307680 |
| cccactgagt  | gcccgttatg  | attcgttgct | gtctgcacgg | acgtatatgg | attcgctgta  | 307740 |
| tgcactcaat  | gctcgttaagt | ttgctgcttt | tgacagtctt | atgcaggctg | cttatctggc  | 307800 |
| aaaagaccag  | gctaagattc  | aggcgttacg | acagagttag | gacggaaaag | ccagagccgc  | 307860 |
| agccgataag  | gcctttttcg  | gtaccgtcga | ttctctgtat | cgtcagggtg | tcatgacaaa  | 307920 |
| taaagattct  | ttctggggac  | cgctgatgat | gatttcgttt | accagttatc | tgagcgagga  | 307980 |
| catgaaacct  | tggtatgaag  | cactttctcc | cgcagcccag | cagtcttatt | acggacagaa  | 308040 |
| ggtgaaagag  | gaactttatc  | cggcaggaaa | ggaaggtacg | gtggtaccg  | atttcaagg   | 308100 |
| aaaggataaa  | acgggaaagg  | aagtatctct | ttcagagttg | cgtcagggaa | agaaatatgt  | 308160 |
| actgattgac  | ttctgggctt  | cctggtgcaa | tccgtgccgg | aaagaaatac | cgaacctgaa  | 308220 |
| gaaactgtat  | gctcagtata  | gcgaaaagg  | ttttgagatt | gtgagcattt | ccatcgatca  | 308280 |
| gaagaaagcc  | gattgggaga  | aagccttgaa | ggaagaagga | ttgacttggc | cgaacttcct  | 308340 |
| ggatgaaacg  | ggagtggctg  | cactctacaa | ggtgaagtgc | gtaccgacca | tgtatctgat  | 308400 |
| aacggcagat  | ggagtcattg  | tgggcgagaa | cctgcgtggt | gaggccttgg | ctacgaaatt  | 308460 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| gaaagaactt  | ttccagtaac | ttttataaaa  | caagagaggt  | tcaggataag  | aaactgctga  | 308520 |
| agtaaaaaat  | ctcctgcttt | tagccgtgtc  | tatagacgaa  | ggctgaagca  | ggagattttt  | 308580 |
| ttatgttgta  | attattaata | tgaggcttgt  | gccggctggg  | caggtttcag  | tttgcggaaa  | 308640 |
| tgataaatca  | acatgacgac | tgccatgatg  | aaagccagcg  | tatccgatag  | cggcatgctg  | 308700 |
| aaccagactc  | cttctacgcc | gaaatgcggt  | ggaagcaaag  | ccagtccggg  | tagcagaaaag | 308760 |
| accagttgcc  | gggaaaggga | gagcaggatg  | gagatgcgga  | ctttaccgat  | ggactggaaa  | 308820 |
| aactgggtaa  | tgatgatttg | tgccccgata  | acaggaaatg  | ccagaacacc  | gatacgtaga  | 308880 |
| gccagtgtag  | cctgttcggt | cagctcatgg  | ttggtgggtga | acatacccac  | aaagacactc  | 308940 |
| gggaatagtt  | cgctgaccag | aaatccgacg  | gtcgtgacac  | tgcattcctgc | gataatgccc  | 309000 |
| agccggagtg  | tccgtttgac | acggtcgtaa  | tgctgagctc  | cgtagtgtga  | gccggaaaatc | 309060 |
| ggctgcatgc  | ccatggtaat | ccccattaca  | atcatcacia  | acaacatctg  | gattcggttg  | 309120 |
| agaatgccaa  | atgccccgat | agacaagtcg  | cccccgtagg  | tcagcagtcg  | gttattgatg  | 309180 |
| aaaatcacga  | tgacgaggc  | acatacattc  | atcacgaagg  | gcgacatgcc  | tacgccgaag  | 309240 |
| atgttcagaa  | tgatcttttt | ccggagttaa  | aaactgggac  | gcttgaagcg  | tatgtaactt  | 309300 |
| ttcttgttgt  | agaaatgata | taatacccag  | atcatgccca  | caaactgcga  | caatacgggtg | 309360 |
| gaaagggcgg  | ctcctctgat | acccatttcc  | agcacgaaaa  | tacaaatagg  | tgctaaaatc  | 309420 |
| acgttgcagc  | ctaccgtcag | catggacgaa  | agcatcgcct  | ttttgggata  | tcccgtggca  | 309480 |
| cgcagtgatg  | tgttcagacc | gatcatgaca  | tacgaaatgg  | ggcttcctaa  | caaaatgacc  | 309540 |
| tgcatgaaat  | cgcgtgcata | aggcaaggta  | ctgtcacttg  | ctccgaagaa  | ataaagtatc  | 309600 |
| tcatccagga  | atatcagcgt | gatgcctccg  | taaaatacgg  | cgttgatgat  | gcagagaatg  | 309660 |
| gtgacgtttc  | ccagaatatt | ctcggcacct  | cttatatcct  | tttgtcccag  | acggatggaa  | 309720 |
| gaaatcgtag  | caccaccac  | acctaccagc  | gtacagaatg  | ccaccagcag  | attcatcagc  | 309780 |
| gggaaggtaa  | tggcaagacc | ggagatggcc  | agcgccccta  | cgccgtgtcc  | gatgaagata  | 309840 |
| ctgtcagatga | tgttgtatag | agaagtcagc  | gtcatgccga  | taatggcagg  | aatggagtac  | 309900 |
| tgtaaaagca  | gtttgcctat | aggcgcactt  | cctaaaacat  | ggggatttgt  | tctgtccatt  | 309960 |
| ttgtgctttg  | gttaaaatta | tccgttcaaa  | gttaggaata  | tgacgcgata  | tttcagaact  | 310020 |
| ttgcaccgtt  | aaatcaacta | aatggtaaaa  | agaatggata  | atagcgaatg  | tatagctgct  | 310080 |
| ctgttcgact  | tcgacggagt | ggtaatggat  | acggaaacac  | aatacagctt  | gttctggaat  | 310140 |
| aagataggga  | aacagtattt | tccacagata  | gaagagttcg  | gacgtatcat  | taaggacag   | 310200 |
| acgcttgtaa  | atatttatgc | gaagtatttt  | gcgggtatgg  | agaaagaaca  | gcaagatatt  | 310260 |
| acagcacgtt  | tgaaccagtt | tgagaaagat  | atggcgtatg  | aatacattcc  | cggggtagta  | 310320 |
| gatttcatga  | aagacttgcg | tgacacgga   | gtgaaaatgg  | ctattgtcac  | cagttcgaac  | 310380 |
| gacctgaaga  | tggccaatgt | gtataaggca  | catcccgaac  | tgaaggaaat  | ggtcgaccgg  | 310440 |
| attctgactg  | ccgaaatgtt | taccggttcg  | aaaccggctc  | ccgactgttt  | cctgctgggt  | 310500 |
| gccgaagtgt  | ttggtaccgt | tccacagaac  | tgtgtggtat  | tcgaggattc  | gtttcacgga  | 310560 |
| ctggaagcag  | gtaatgcggc | aggtatggct  | gtagtgggct  | tgtgtaccac  | caatccgaag  | 310620 |
| gaagcaatag  | ccgataaatg | caaactgggtg | atacccgatt  | ttacagcctt  | ctctttcgaa  | 310680 |
| aagatgaaag  | ccctgcttgc | ttaactcgtc  | agaaagagct  | acatttgccg  | caattttatt  | 310740 |
| aaattaggag  | aaattttatg | gctggatatc  | tttcagggtga | tacacgtaaa  | gtgacaactc  | 310800 |
| accgtttgat  | tgagatgaaa | gaaagaggtg  | aaaagatttc  | catgttgacc  | tcttatgatt  | 310860 |
| atacatttgc  | ccagattgta | gacggggcag  | gagtggatgt  | aattttggta  | ggtgattctg  | 310920 |
| cttcgaatgt  | gatggcgggt | aatgtaacta  | cattgcctat  | aacaatagat  | cagatgatata | 310980 |
| atcacggcaa  | gtcggttatg | cgtggcgtga  | aacgtgcgct  | tgtttagtagc | gacatgcctt  | 311040 |
| tcggatcgta  | tcaggccgat | cctttcgacg  | gagtgcgtaa  | tgctatccgc  | atcatgaagg  | 311100 |
| aaacggggagc | ggatgcgctg | aagctggaag  | gcggagaaga  | agtcacgcac  | accatccgta  | 311160 |
| aaataatcgg  | tgaggcatg  | ccggtgatgg  | gacatctggg  | actgatgcct  | cagtctatca  | 311220 |
| ataaatatgg  | tacttatggc | gtacgtgcca  | aaggggatgc  | cgaggccgaa  | aagctggttc  | 311280 |
| gtgacgctca  | tttgctggaa | gaagccggtt  | gtttcggact  | ggttctggaa  | aaaattcctg  | 311340 |



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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
| ccgacctggc  | agcacgtgta | gcttccgaac | tgaccattcc | ggtgattggt  | atcgggtgctg | 311400 |
| gtggagcagt  | agacggacaa | gtactggtcg | ttgccgacat | gctgggtatg  | accaaaggct  | 311460 |
| tcagtccgcg  | tttcttgccg | cgttatgccg | acttgcatat | ggtgatgacc  | gatgctatcg  | 311520 |
| gtcgtatgt   | ggctgacgtg | aaatcgtgtg | atttcccga  | cgaagccgaa  | caatattgat  | 311580 |
| tgttatTTTT  | accgttatta | catcaatatg | ctgtggaata | gaaatTTTT   | tttattgatt  | 311640 |
| gcagcaaaca  | tattactcta | tatagcgggt | tacatgttat | tccctctgat  | tcatcagtgg  | 311700 |
| atgattcaag  | cctggaactg | tactgggtta | caggctgcgg | gagtaacggc  | tatattcgga  | 311760 |
| attgctctgt  | tccttcccgg | ggctttcaat | aattacttgg | tcgatacgtt  | tagccggaag  | 311820 |
| aatgtgtgca  | cccggagtat | ggcgttgctg | gcattggtag | gactgctgta  | tccttacgtt  | 311880 |
| acttcggtag  | ggatggtagt | ggcactgcgt | atcttgcagg | gagcgttggt  | tggcattgtc  | 311940 |
| ttgatggcta  | cgggcagtag | gctcgccatt | gatgtgacac | ccagcaacaa  | acgtaatgag  | 312000 |
| gccaaaccgg  | tatttacttg | gtcgtccatc | atcggtttgc | tgggtgggaat | gattgttgga  | 312060 |
| atagagggag  | atggttatct | gagctttacc | tctttgctgt | atgtttcggc  | ttttctgtgt  | 312120 |
| gcggtttcca  | tcgtactggt | ttcgatggtg | aatgtttggt | tccgcgcacc  | tctcgacctg  | 312180 |
| ccgctgtgtt  | cgttcgacag | gtttattctt | ttccggacat | tgcttccggg  | aataaatatg  | 312240 |
| atggcagttc  | ccgtcgtttt | gggtatactt | ttcattagga | tttccgatgc  | ttttttctat  | 312300 |
| ctttgcatag  | gaggtggatt | tctgatatat | ttacttatca | ggcaggtctt  | taccaaccgg  | 312360 |
| atgaacggac  | ggatacaggt | tctgatcgga | ctgttgctta | caggagtggg  | tctggcggtg  | 312420 |
| ctctgtagct  | cggatatggg | taaaagtctt | tacgaggccg | gactgctgtt  | aggactggga  | 312480 |
| ttgggcttct  | ctatcggaca | gttcttgccg | atgatgatct | tgttgccctt  | gcattgcgaa  | 312540 |
| cggggtaccg  | gttatcatat | ataccaactg | ttgtgggagg | caggatatcat | gcttggaata  | 312600 |
| tggatttcac  | aatatgcttg | tcagatagaa | ggcgtaaagc | cgtatcggat  | agcttttaggt | 312660 |
| gtttgtatag  | tcggattcct | gttttatcag | ttatacatcc | atcgctattt  | tgtaaaacat  | 312720 |
| tatcaatcaa  | aataacaata | aaagagtatg | gcagacgata | aaaagattat  | cttttccatg  | 312780 |
| gtcggagtga  | gcaaatcatt | ccagaacaat | aagcaagtct | tgaaagacat  | ctacctatct  | 312840 |
| tttttctacg  | gagcgaagat | cggtattatc | ggtttgaacg | ggtcgggtaa  | gtctaccctg  | 312900 |
| atgaagatta  | tagccggtct | ggataaaaac | tatcaggagg | agggtgtatt  | ctctccggga  | 312960 |
| tattccgtcg  | gttatctggc | tcaggaacct | catcttgacg | ataccaaaac  | cgtaaaggaa  | 313020 |
| gtagtgtagg  | aaggcgtaca | gagtgtagtc | gatacgttgc | ccgaatacga  | agaaataaac  | 313080 |
| aataagttcg  | gcttgccgga | gtattacgag | gatccggaaa | aaatggatgc  | cttgtttgcc  | 313140 |
| cgtcaggcag  | aattgcagga | tatcattgat | gcaaccgatg | cgtggaacct  | tgacagtaag  | 313200 |
| ttggagcgtg  | cgatggatgc | gttgcgctgt | ccgcccgaag | accagccggt  | gaagaatctg  | 313260 |
| tcgggaggtg  | agcgtcgtcg | tgtggctctc | tgccgtctgt | tgttgacaga  | accggacatc  | 313320 |
| ttgttgctcg  | atgagccgac | caaccacctg | gatgccgaga | gcacgcactg  | gctggaacag  | 313380 |
| cacttgacgc  | agtacgaggg | tacagtcatc | gctgtaacac | acgaccgtta  | cttctcgcac  | 313440 |
| catgtggcag  | gatggattct | ggaactggat | cgtggcgagg | gtattccatg  | gaagggaat   | 313500 |
| tactcaagct  | ggctggagca | gaagaccaag | cgtatggaaa | tggagaagaaa | gactgccagc  | 313560 |
| aagcgtcgtg  | aaaccctgga | gcgtgagttg | gaatgggtac | gtatggcacc  | gaaggcacgt  | 313620 |
| caggcaaagg  | gtaaggctcg | tctgaactct | tacgataagt | tgctgaacga  | ggatgtgaag  | 313680 |
| gaaaagggaag | agaaactgga | aatcttcatt | ccgaacggtc | cgcgtctggg  | aaacaagggt  | 313740 |
| atcgaagcaa  | agcatgtggc | aaaggcgtat | ggcgacaaac | tgctgttcga  | cgacttgaac  | 313800 |
| tttatgctgc  | cgcctaaccg | tatcgtgggc | gtgattggtc | cgaacgggtg  | cggtgaagact | 313860 |
| actttgttcc  | gcctgattat | gggactggaa | aaaccggaca | gaggagagtt  | tgaagttgga  | 313920 |
| gaaacagtga  | aggtggctta | cgtagaccag | cagcacaagg | atattgaccc  | gaataaaaacg | 313980 |
| gtatatcagg  | tcatcagcgg | cggaaatgat | ttgctgcgta | tgggaacccg  | cgacgtaaat  | 314040 |
| gcccgtgctt  | atctgagccg | tttcaacttc | tcgggttccg | atcaggaaaa  | gttgtgtggc  | 314100 |
| atgctttcgg  | gtggtgaacg | taaccgcttg | catcttgcca | tggcgtgtaa  | ggaagaaggc  | 314160 |
| aacgtgctgt  | tgctggacga | gcctaccaac | gatatcgacg | tgaatacgct  | gcgtgcgctc  | 314220 |

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|             |             |             |             |            |             |        |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| gaagaaggctc | tggaagactt  | tgccggatgt  | gcggtagtc   | tcagtcacga | ccgttggttc  | 314280 |
| ctcgaccgta  | tctgtacaca  | catccttgca  | ttcgaaggaa  | acagcgaagt | gttcttcttc  | 314340 |
| gaaggttcgt  | atacagaata  | cgaggaaaac  | aagatgaagc  | gtatgggtaa | cgtagagccg  | 314400 |
| aagcgcgtcc  | gttaccgcaa  | gctgatggaa  | gattaatcgg  | aacgatgata | ataagatacg  | 314460 |
| gagttggcgc  | aggcatgcag  | gcagactgca  | tcgtgcgtca  | actccgtgta | gttttaggtg  | 314520 |
| attttaatac  | tgtgctttta  | tgattacgat  | atacttagcc  | cgccacgggc | agacggaaga  | 314580 |
| aaatatcagt  | cgcatttttc  | agggacacct  | gccgggacat  | ctgacggaag | agggaaagca  | 314640 |
| gcaggcggt   | gaattgggta  | atcggctgcg  | ggatattcca  | ctggatgctg | tcctcagcag  | 314700 |
| cgatttgca   | cgggtggctg  | atacggttcg  | tctggctgta  | ggcgacagaa | acctgccgtg  | 314760 |
| gcagacaacg  | cctttgttgc  | gtgaaattga  | ctgggggaagc | tggaccggac | ttccgctgga  | 314820 |
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| tgcgggcaag  | tgtctggaat  | atatccggca  | gcactacgaa  | gaaaaatgca | tcttggtggt  | 314940 |
| agcacacggc  | ctgataaacc  | gttcgctgcg  | ggcccggctg  | tcaggcatac | ctgtcgacca  | 315000 |
| gcttactact  | gtgccgcaca  | tgaataattg  | tgaggtagtc  | cgtctgacga | tggaataaag  | 315060 |
| taaaccggaa  | agggcagggg  | cgtaacgctt  | tcaaagaaaa  | gaatctgaaa | aggagagtta  | 315120 |
| ctctaacaaa  | agatttcgta  | ataccatata  | ttattccgctc | aaaaataaat | tattgttcta  | 315180 |
| tttattgtaa  | ggcattggga  | gaagatgtcg  | gatcgagttt  | cccgatagcc | ctcaaatagt  | 315240 |
| ttgtttcata  | aattttatac  | tgcgtttggtg | cttcgataag  | attgcttttg | gcttgtttcc  | 315300 |
| attgtgattg  | tgcatcgagc  | aggtcggtaa  | gcagtgccat  | cgaacatttg | tatttgttat  | 315360 |
| tggtaaactc  | caaattttct  | tccgcctggt  | ttagtcggat  | ctcggcagtc | tggattagtt  | 315420 |
| ggtagccatc  | gtaaatattc  | tttaaggcac  | tttgtgtctc  | cagattcatc | agccgtgaat  | 315480 |
| tcctgcttaa  | ttccaattct  | gcattcttga  | aatcaagttt  | tgcttttttt | actttcttca  | 315540 |
| gattggctcc  | ccattcgaat  | atgggaattt  | ttacagacag  | cattacagct | cctaattccat | 315600 |
| ctcgaaaattc | ctgtgaatac  | ggcatcatcg  | ttccgtttcc  | tgcatcgacc | aggctgttca  | 315660 |
| gtttgatatt  | gccgtaataa  | gtataccctg  | ctacgagtcc  | tatcgtcggc | aacatgtctg  | 315720 |
| cccgtgacat  | ctgtatttgt  | tgttgtgtga  | cgtttacttg  | atgttttaac | aggttaaatt  | 315780 |
| ccgggcgttc  | gttaatgtcg  | gctgtcagta  | gtccgggttc  | cttaacgtat | atcgttgtgt  | 315840 |
| ctgttagttc  | aagtctgtga  | cttgaatcga  | ggccggtaat  | tctgcataga | gacatgcgac  | 315900 |
| ataagtcctc  | tccgtttttt  | gctttttgca  | tctggtataa  | gatgtcactt | ctgcttgcc   | 315960 |
| caaccgcag   | cagttcattt  | tctgtgccaa  | gtccggcttc  | gacggcagtt | ttcacttgag  | 316020 |
| caaacagtga  | gtccatctgt  | tctttgtagc  | ttccagcat   | ggcgactttt | tgtctgacag  | 316080 |
| ctattaatgt  | ccagtatgca  | ttgtcgggtt  | ctaccaagac  | atccatcatt | gtcatccttt  | 316140 |
| tctgttcggc  | tgctatagat  | tctcccagct  | tagacagttt  | ctttcctgtc | atgatcttcc  | 316200 |
| ctcctgtgta  | tagtggttgc  | gtaagcgtaa  | ttcctgccat  | atatgtacca | cgcatcttca  | 316260 |
| attccatacc  | catcatgtct  | atatctggaa  | aaacgtatgt  | tccggtagcc | gaggcctcga  | 316320 |
| atttggaag   | gaatgcacta  | cttgctattt  | gtttatcaag  | acgcgactgc | tgatatttgt  | 316380 |
| attcggcctg  | ctgcagagat  | tcactttgtg  | ataaagccat  | ttcccggcat | gaagtcagac  | 316440 |
| ttagtttgag  | cgcttcctgg  | gctttgagat  | taccctgttg  | cgtaaataat | atagttgctg  | 316500 |
| tcaataatag  | ttgaaaaaat  | ttatctctca  | tatcttttta  | tttattatta | gaaggtgagc  | 316560 |
| actacattat  | ctatattttt  | ttgatattga  | aaagtaccgt  | atagaaaata | ggcagtaata  | 316620 |
| tcagtgttat  | gagggttcct  | actgccagtc  | ctcccatgat  | ggtaatcgcc | atggaattgt  | 316680 |
| acatcgggtc  | tgtaacgagc  | ggcagcatgc  | ctactatcgt  | cgtgagagat | gccatcagta  | 316740 |
| caggctcttac | ccttgacacg  | gtggcttcca  | ctacggcggt  | gtacggagat | ttcttttctt  | 316800 |
| ccgtttgtaa  | cctgttttatt | tcgtccacca  | gtacaattgc  | atttttcacc | atcatgccta  | 316860 |
| tcagtcccat  | cataccgatt  | atagccatga  | atgtcattgg  | ctggtttgtg | atcaataatg  | 316920 |
| acggaacgat  | tccgcagaat  | acaaacggga  | aacatatcag  | aataaggaaa | accttcttcc  | 316980 |
| agctgttgaa  | caatagcaga  | aggatggcaa  | ggattatgaa  | gatcgtcagc | ggtacatatt  | 317040 |
| tcataaggtt  | agcaatggca  | tctttttgta  | actctccttc  | gcccacccat | ctcatgctat  | 317100 |

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|------------|------------|-------------|-------------|-------------|-------------|--------|
| atcctgccgg | cagttcaatg | gcttcgacat  | ctttctttat  | cgattccact  | acttttgccg  | 317160 |
| gagttgcctc | gtctatttct | gagttaggat  | cgcattcagc  | ttcaatcgcc  | ctttgtccgt  | 317220 |
| tcaggcgcat | gacaacatct | tcattcccatt | ccatagtgat  | tccttttggt  | acgcggctga  | 317280 |
| gcggtgtgga | gcggaagatc | ttgtcttgaa  | gttcgctcat  | gccttttcca  | cctgagatag  | 317340 |
| cagagttaaa | ttcgtcgttc | gaaagatgca  | gattcatcat  | gctccacacg  | ggtatgtcgt  | 317400 |
| tcaagtcgct | tatgcggcct | ccgtcttcgt  | tgcgcacgag  | catgtttact  | acgatagtct  | 317460 |
| tatcctgggt | ggtgatcatt | cctaccggca  | taccgtcggg  | tgcagccatc  | agcgcattgc  | 317520 |
| ctatgtcact | tctgcctatt | cccgaacgca  | gtgcatcttg  | ctgtaaatac  | tttactacat  | 317580 |
| acgattttga | gtatggcttc | cagttgttct  | gtacagaata  | tggatcgaca  | tatttgcatt  | 317640 |
| ttctcattat | gtcctcagct | ttgttgctca  | attcttttaa  | tacagccgga  | tccggacctg  | 317700 |
| caaattccac | ttctaccgta | tgcgatgtgg  | aaatggaaaa  | attgtatttt  | ctgcaacgaa  | 317760 |
| tgtatgcgtc | aggatatttc | tctcttagca  | tacgtcttac  | ttcgggtatc  | tgtttcacta  | 317820 |
| ctgttttgta | gtccttacag | tcaataatca  | attcgccgta  | acagtcacct  | cccgatgtca  | 317880 |
| taggtctgac | aagacagtaa | tgtgcagggg  | cacttccttg  | actgacagct  | attctttcta  | 317940 |
| tatccttacg | ttgggataac | agattactca  | tgtccagcag  | gttgctcgcg  | actacatcgg  | 318000 |
| gactggtggt | agaagggaaa | aaacattcta  | tcacatattg  | cttatagtcg  | aaatctggaa  | 318060 |
| agaacaagtt | ttttactttt | cccattccgg  | caatgcatag  | aataaggatt  | gcgaatgcaa  | 318120 |
| tgccgatggt | tattttctta | tatcctatca  | gtttcgatat  | ggtattgcgt  | ataaatttgt  | 318180 |
| gtatcggtag | attcatgact | gctccctggt  | cattgccagc  | ggtacgttct  | ctgatgggta  | 318240 |
| accatgttct | ggcacatacc | ggtacctgaa  | cgagggctag  | taccagctt   | gccagtagac  | 318300 |
| tgcacaaaag | gacgagaaac | agatcgccgg  | catattcacc  | agccgagtct  | ggtgaaaggt  | 318360 |
| aaacacacaa | gaatgtagag | gctgcaatta  | ttgtggcacc  | aagtaaaggc  | atggctgtgt  | 318420 |
| tctgacctat | tctataaagg | tatttttttg  | ggggaagccc  | acgtttcttg  | tcaataagaa  | 318480 |
| taccatccat | tatcaccacg | gcattgtcta  | cgagcatacc  | cattgctacg  | atgaatgctc  | 318540 |
| caagcgaaat | acgttgcaag | gtcgtgccgc  | acactaacag  | aatcggaat   | gaaacagcta  | 318600 |
| cagtaagaat | cagaccgaag | ccgataatca  | gtccacttcg  | gaacccata   | gtgaatatca  | 318660 |
| gtacgagtat | tactatcaat | acggactcaa  | tcagattcca  | catgaatgaa  | tagattgcat  | 318720 |
| cctcaacctt | gtctggctgg | aaaaaaatct  | tttcgggtact | cattccggta  | ggaatgcttt  | 318780 |
| gcatgatttc | ttcaagacgt | ttgtctactg  | cttttccac   | atcagggtact | attgctgacg  | 318840 |
| attccatggc | tatacagatg | gcaagtgcgg  | acttgccgtt  | gacgaagaag  | ccgttttttt  | 318900 |
| gaggttggga | gtatgtcttt | tctatttttg  | ctatatctcc  | cagtcttaga  | gtcttgccgt  | 318960 |
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| aaataggaat | gagttcattg | ccgtcttgat  | acttccctgc  | atttacagtt  | ttgcaagcac  | 319080 |
| cttgacgtgt | ggacataatt | tgtgccggtg  | ttattccatt  | tctggatatc  | tgttcttttag | 319140 |
| acagagtgat | gtttatcact | tcgtcacggg  | tgccggcaat  | gtttactcgt  | ttgaccctt   | 319200 |
| ttacaccgga | aagttcacgc | tttatcagtc  | gggcatattg  | atacatttct  | ggataatcat  | 319260 |
| atccgtcggc | agtaaagtga | taaaagatgc  | cgtaaacgtc  | catcatgtca  | tctatgacta  | 319320 |
| taggatcgta | acatccttgc | ggcaatctgg  | cagatgcatc  | gtttacctta  | cggcgagca   | 319380 |
| aatcgaaatg | ttgttccaga | tcttttgtaa  | gaaccgtcat  | ctggaactcc  | actgtaaaca  | 319440 |
| tagccattcc | gtttttgcat | tcagtcttta  | ttttgtttac  | attgggtagt  | gcacgtaatt  | 319500 |
| cttctcccat | cataagcgct | actttaagct  | ctgtctcatg  | cgcacttgct  | cccggatagg  | 319560 |
| gtactatcac | catggcttgc | ttggtggaaa  | ctgccggatc  | ctcaagtttg  | ggcatctgga  | 319620 |
| tgaagaaaaa | tattccggct | attattatag  | ctgttacaaa  | cgaccagaat  | tgtatgggtc  | 319680 |
| gtttcatgaa | gtattttgta | attcttatca  | tatcagtcct  | ccgacatttg  | ttttttccgg  | 319740 |
| ttgttttatg | actattactt | tttcaccctc  | ttgaagttag  | tttactcctg  | cacgtactat  | 319800 |
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| catggttata | accctttttt | cgatggtaga  | atcttctttc  | aacaccata   | cacacgagtt  | 319920 |
| gccactactt | ttaaagattg | cgcattgcagg | tatttcaaat  | ccaccgatac  | tgtctgtttc  | 319980 |

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|------------|------------|-------------|------------|-------------|-------------|--------|
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| ttctctaaat | tttaggcata | gctggatatag | ctgatttccg | tcggctttcg  | gcgatagact  | 320100 |
| tacaaaatcc | ataggatata | cttgtgattc  | tttttcagat | ggaattatac  | attcgtatct  | 320160 |
| tactgcatta | ttaataactt | tcaatgtttt  | tgacggcaaa | tctgttttaa  | cttccagatg  | 320220 |
| cgaaacatcc | aaaaacgtga | atattgcagt  | acccgcatca | accatttctg  | ctggagaaaa  | 320280 |
| attgaccgac | tgaatatatc | cgtctgtcgg  | tgagtacagt | ttggtatact  | ttagcttggt  | 320340 |
| cttgttcact | tgcagttgaa | ccccagctg   | cttcagtcgg | gcagaagctt  | tctcataatc  | 320400 |
| attggcagag | acacttttct | gatcaaacag  | ctttcttggt | cttgccactt  | cactcttcag  | 320460 |
| ttgatcgtat | tgtatctgca | aggcttctac  | tccaagcaga | taatctgctg  | tgtcaagttc  | 320520 |
| ggcaagtagt | tcgccttttt | ttacctgatc  | accttctttt | acgtaaagtc  | attttatttg  | 320580 |
| tccggcagtt | ttgaacccaa | gactgatttc  | gtgcgcttcg | cggattattc  | ctgaatatct  | 320640 |
| ttgggtagtg | gtattacttg | agggtaccgg  | attcacgact | tgtacactat  | gaattggtaa  | 320700 |
| agaagattgg | ttgggtcgac | tgcatgaact  | tagcataaat | agcagtaatg  | tcggcagata  | 320760 |
| gaataaattt | tttattttca | tgcttaatag  | attttaggtg | ataatatgca  | ttctgttgat  | 320820 |
| gcaaaattgt | gtattttatt | gtattatact  | atcaccgata | aggatggtaa  | attggtctaa  | 320880 |
| aggattgaaa | atctatgaat | agttagtgtg  | ttcttatata | tttgttcctc  | gaaagggtata | 320940 |
| atttgatatt | ccatgaaaag | agaaaatgtt  | tttttgaatc | tggattttaag | tgatttgctg  | 321000 |
| gcacagcctg | gtgcacttca | tattgataat  | aaaatcatac | tcattgataa  | ccttgatgat  | 321060 |
| gtagcagatg | aagaaaatgc | caatagttta  | tcttttgcca | attatcccat  | gaaatttatct | 321120 |
| tttacaatag | gtctgattgt | actttcggga  | gggatgaagg | ttaaaatcaa  | tttggaagat  | 321180 |
| tttgaagcac | gtgcaggtga | tgcaatcggt  | gtttttaagg | ggaatattgg  | tgaattttgc  | 321240 |
| agcttattgc | cggatacgcg | tatggttgta  | attgcttttt | ccgatgagct  | tttcaatgtg  | 321300 |
| gtgaaacata | ttaacacagc | cctttccata  | cagcagata  | tttatactaa  | tcctgtgttt  | 321360 |
| catcttgatg | aagaatttct | tgatgaggca  | ttggatata  | ataaaaagat  | gaaggcaaaa  | 321420 |
| atgactgaaa | ctaataatat | ttttcttgaa  | ggaattttgc | acggttatgc  | acagggttttg | 321480 |
| atgtacagtg | cttacaatta | ttttgtccaa  | agaaagaaaa | acacagataa  | ttcttttagaa | 321540 |
| tgcaatagaa | atcaggaaat | atacaaactt  | tttatgcagt | cgggtgcagaa | aaatttatatg | 321600 |
| catgaacgca | gtataaccta | ttatgctggg  | gtattatgta | tttctccgaa  | atacctttct  | 321660 |
| caagtaataa | agaatgtaac | cggaagattg  | gctagcgagt | ggatagccga  | ttatgtgatt  | 321720 |
| ttggaggcaa | aagcattatt | gaaaagtaat  | aaatatacgg | tacaacaggt  | gtgtgacatg  | 321780 |
| ctgaattttg | ctaatacgtc | tttctttgga  | aagtatttta | aaaggaaaac  | cggagtttct  | 321840 |
| cctaaggctt | atataaaaag | ctaaaaaaat  | cagttaagcg | cctttagtta  | ttcgactccg  | 321900 |
| attgataagt | ctaagaagga | gttgcatata  | gaagaatgta | aaaaataacc  | cgcaaagaat  | 321960 |
| ctattgcttc | aacgattctt | tgcggtttaa  | atttttctat | cttaacacta  | ttgaatagtc  | 322020 |
| ttgtatcaag | gatgcacat  | tgttccaata  | ttttcgcttg | atatcacttt  | cttcagggtta | 322080 |
| cctaccgtat | ccatgtcgaa | tacaataatc  | ggcaggttgt | tttccttaca  | catacaagta  | 322140 |
| gctgtcaggt | ccattacttt | caagccacgt  | gccagaactt | catcgtaagt  | gattttcatcg | 322200 |
| aacttggtag | ctgtcggatc | tttttccgga  | tcggcagtat | agataccgtc  | tacacgggta  | 322260 |
| cccttcagca | tgacatcagc | ttcaatttcg  | ataccacgca | aggatgaacc  | ggtatcagtt  | 322320 |
| gtgaagaacg | gatttccggt | tccggcagac  | atgatgacta | cttcaccgtt  | ttccatggct  | 322380 |
| tcgatggctt | tccatttggt | gtagaactca  | ccgatgggtt | ccatgcggat  | agctgtcagt  | 322440 |
| acacgagcct | ttactccggc | agccaccaa   | gcagaactca | gtcctaagct  | gttgataacc  | 322500 |
| gttgccagca | tacctatctg | gtcacctttc  | acacggtcga | atccctttcc  | ggctccagtc  | 322560 |
| agtccgcgga | agatgtttcc | accgccgata  | acgatgccga | tctgtacacc  | catgtcatgg  | 322620 |
| atttccttga | tttgctgtgc | atattcgccc  | agacgttttt | cgtcgatacc  | atatttcttt  | 322680 |
| tctcccatta | agctttcgcc | gctgagcttt  | aacagaatac | gtttgaactt  | tgccataaat  | 322740 |
| tgattttttt | aatgtttagt | cgcaaagtta  | gaaataaatg | tcagaagaat  | agtcaaaatc  | 322800 |
| tcttgttttt | attccttatt | tctatcgtcc  | tgtcacttgc | aggtattcac  | gtttttttac  | 322860 |

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| ttcatactga  | gcataggttt  | ctacatactt | gtcgcgactt | tgctgataga | ggctctgtgc  | 322920 |
| atcgagcaga  | tcgctcatgg  | tgcaggtacc | ggctgcataa | taatcggtat | tcagacgcag  | 322980 |
| attttcctta  | gcttgttcga  | tggaaagcag | agctattttc | acctgtttat | aggcatcatt  | 323040 |
| caagtcgtcc  | catgtatggt  | tcatgcggat | taccggcaac | tggctttggt | cggcgagttg  | 323100 |
| gttttcggca  | ttgcgtagtt  | gtagtttctg | gcgctgaatg | tcgtgtgagc | ctccccacca  | 323160 |
| gcctgagata  | ggtacggata  | cggtagcgaa | tcccagccag | aatgtatgat | ctttccctag  | 323220 |
| cagattttcg  | taggcatagc  | ctcctccgat | ggctacggta | ggcaagttct | tacctatagc  | 323280 |
| cattttatgt  | tgcaggttgc  | ttgcctttac | attttgctga | aggaggttat | attcattggt  | 323340 |
| cagtgtaaag  | gctgtttcgg  | gaaccgtata | gagctcttcc | ggtccctgcg | gcaacgtatc  | 323400 |
| tttcaacggt  | gctgctactt  | ctatgctgtc | tgccggatgt | cctatatact | gcgcaagcat  | 323460 |
| gctccgtgac  | aatgaaagca  | tgtttcccac | ctggatgcgt | ttgctttgta | tctcgttctg  | 323520 |
| gcggagctgt  | acttgcaata  | agtcgttgcg | ggttgtaaca | ccggccttaa | cgctggtttc  | 323580 |
| cacatcctga  | agcaactgac  | tcaattgctt | gtcgaagtgt | ccgatagtct | gcaatttctc  | 323640 |
| tttttagcatt | acgacttgcc  | agaaatagtt | ttctaccgtc | agaattactt | cgttttgcga  | 323700 |
| ctgacgctgc  | tggaggcggg  | ttacttctac | gttcacctga | gccagtttgt | tgccgtttac  | 323760 |
| gagttgtcct  | ccggtgaaca  | gcggcagagt | tgcggaacaa | tcacctacaa | gtccgttttt  | 323820 |
| cataaaaagcc | atctgcattt  | caggggatag | ttccatgcgt | accatacttt | tgctcggcgag | 323880 |
| gaatccgcta  | cctatggcac  | taactgtagg | gaagtattta | ctgaaagcct | cctgtttgct  | 323940 |
| gtgttctgcc  | atacggagat  | tgttttgtgc | atttttcatg | cgaacattgt | tgctgagtg   | 324000 |
| ggcttctatg  | cattcgtcca  | gtgaataagc | tttttgggca | aatgtattta | gtgataacat  | 324060 |
| acagccagcc  | gacagcagga  | ataaagatag | gatatttttt | cttttcatca | tcgtaactga  | 324120 |
| aattagttgt  | aactttgagt  | ttactatggt | attcaagttc | cagttgtgca | ctggcagccc  | 324180 |
| gtttgcgggt  | agaacctctg  | aacaataaca | tatacagaac | ctgaagaacg | gtcagcagga  | 324240 |
| agatcatggt  | gataagagtt  | ccgtaacaga | tcactgttcc | catgggcatc | cacaatccgc  | 324300 |
| ttttacccaa  | aatcattggg  | ataactccca | tggaagctgc | tgccgaagtc | aggaaaatcg  | 324360 |
| gtctcatacg  | tcggcgtg    | gaatgataaa | tgccatcgcg | tacgcataaa | tgttcggtgc  | 324420 |
| ttctcagttc  | ttcggcatag  | tctatcatga | tgattccggt | acggacaata | atacccatca  | 324480 |
| agctgatgat  | acctaacgta  | cacgtcatac | tgaagtcgac | tctttgtatc | aatacaccta  | 324540 |
| ttgctgtacc  | gaaaacacag  | aatgtcatgc | tgccgaagat | gagcaaggcg | atactcagac  | 324600 |
| ggtggaaatg  | agctatcagg  | ataaataata | tcatgacggc | tgcgatggca | agtgtcccca  | 324660 |
| tgataagcgg  | attttgctca  | ttattttgtt | ccaagtgcgc | tccgtatgtc | agcgttacac  | 324720 |
| cttggggtaa  | ggggatttcc  | tttatctttt | cctggatttt | tgctgttatc | tccattgcat  | 324780 |
| tttctcctct  | tcgcaagtcg  | gacatgacgg | taatggtata | gataccgttc | cgacgtacaa  | 324840 |
| gttgtccgtc  | ttcggtagag  | ggctcgatac | tggctatctg | acgaagtggg | acacttgata  | 324900 |
| atccaccggc  | aactggaatc  | aattcattct | ctatgtcgtt | ataatgtgca | ctatcggctt  | 324960 |
| tgttgctttt  | cagaacgata  | ggaatattgt | aatcaccttc | ccatacattg | gcaacctgaa  | 325020 |
| ctccgctacc  | gtatctcatt  | gctaattgtc | cttctaccgt | agcattggta | atgcctaacc  | 325080 |
| gtgcagcttc  | atcttctttc  | agcacgatgc | gtgccgtagt | ttgcggatta | ctgaagttgg  | 325140 |
| tctgtgccag  | ttcggtttca  | ggcatgctgc | gcaacaggct | caagtatttg | tcggctgtac  | 325200 |
| atttcagggt  | gtcgagggtta | ctaccactta | atcgagttc  | gataggataa | actgactgac  | 325260 |
| tgtaacttaa  | ctgcttgaaa  | cgaatcagtg | cttcgggaaa | tgcatcagta | tattttacgg  | 325320 |
| catattcgtc  | cagcaattct  | actgtttctt | tatttctttt | tgtgttgaca | ataaactgtg  | 325380 |
| catagtttgg  | acctgctatc  | tgtggtgctg | atgctgtgtg | gaagcgagga | gaagcacatc  | 325440 |
| cggtaaatga  | agttaccgaa  | acaacacgat | cgtccgcacg | gagtatgttt | tccagtgtgt  | 325500 |
| cggctatagc  | attagtcttt  | tcgatagcag | tccctgtagg | aagatagatc | tctacggcaa  | 325560 |
| actgattacg  | gtcggctgtc  | ggcatcagat | tctggggtaa | tttgccatt  | aggataatac  | 325620 |
| ccacgacaat  | gaagggttaat | cctgttatca | ctgtataata | aggatgcttg | aaacatatat  | 325680 |
| ccagcagctt  | attataatat  | ttctggagca | tatccagaaa | agagaatccc | tttttaccgg  | 325740 |

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|-------------|-------------|-------------|-------------|-------------|------------|--------|
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| gcagtgagat  | actcaaaatg  | agtgtgatgg  | cccatggaaa  | actgagcaga  | aaatcgtgga | 325860 |
| acattcctgt  | catgataaac  | agaaacggga  | agaacgtgat  | actgatggca  | agtgttgccg | 325920 |
| agaagatgga  | acgaaagaaa  | tgggtactgc  | tctgtatgga  | ggcgtgccag  | cgcgacattc | 325980 |
| cttctcctat  | ttttccaga   | taattatcga  | tgataacgat  | ggagtgtgctg | acaatcattc | 326040 |
| ccagtgtaac  | gatgagtgtc  | gccagcgtaa  | cagtattcag  | ttcgatacca  | aaaacataaa | 326100 |
| acagaccgag  | tgaaatgaat  | atggtaatcg  | ggatagtaga  | cgcggtacc   | agtgccacac | 326160 |
| gcatcgggag  | aagcaacatt  | actacaatga  | ctacggctac  | gatagcaatc  | aataactctt | 326220 |
| tcaggaagtt  | atttacgtctg | tcgcctacaa  | cttcactttg  | gtcgggtgatg | cggaacatgt | 326280 |
| tgacttccga  | cggaagtctt  | ttcttaaact  | cttcgagtgt  | ctgggttgatt | tgttctccca | 326340 |
| tctttacaat  | gttctgcccc  | tttttcattt  | ctacactaag  | cagaatgcat  | tttttcccgt | 326400 |
| tgttggtaat  | gtaactgtcg  | gcatgcggat  | attcctttac  | cacacgggct  | acatccttca | 326460 |
| ggcgaatgtt  | atgtccggac  | gggtcgggat  | atacaatttg  | ttcttgata   | tcgtaaacgc | 326520 |
| tattgaagga  | tttctctaca  | tgtacaggca  | gtatgtaggc  | cggattttgc  | actcgtccgc | 326580 |
| ctgaagtaac  | gaaccctttc  | gaaaacaggt  | tgacagtcag  | cgtctgttct  | gtcagtccgt | 326640 |
| attgcgaaaag | tttttcatta  | tccagataaa  | cagcaatctg  | ttcattctgt  | aatccgctta | 326700 |
| cggtcatacg  | tccgatgctg  | ctgattcggc  | gcaaacgatac | ctgcaagtcg  | tccatgtatt | 326760 |
| cctttaattc  | ccgataagtc  | ttgtccttgc  | tctccatggt  | aatcagtagg  | gcagaggat  | 326820 |
| ccccgaaatc  | atccagtacc  | tgtacggcaa  | gcacattcga  | aggtaggttt  | gacttgaatg | 326880 |
| atgcgatgcc  | atgcttgaat  | ttgtccaga   | attcatcttt  | attgttgagg  | tcgtcgttta | 326940 |
| gttctacttg  | tatatacacg  | attccatcgc  | gactggtaga  | aatgtttttt  | tcttttttta | 327000 |
| cttctttata  | ggagaagatg  | tagttttcca  | gtggtttggt  | aacttgttca  | atcatctctt | 327060 |
| cggccgtatt  | acccggagct  | acggctacta  | ccattcccctg | acggattgta  | aaatcaggaa | 327120 |
| attcattctt  | gcgcatgttg  | ggcaagctgt  | atataccgaa  | tgcgaccaga  | caacatacta | 327180 |
| ccagtatgac  | aatctgcccg  | tagtgcatgt  | cccattctac  | tatgttacgt  | ttcttttcca | 327240 |
| ttgttggttt  | tcattttcag  | gaactgcaat  | cttgacattc  | aagtctttta  | cggcaaccag | 327300 |
| ttgaacaacc  | ggcattcccg  | gcattacgtt  | ttgtccgact  | tcgatgttct  | tggacgaaat | 327360 |
| aacaccacta  | tagggagcat  | atagtttgca  | gtcggataag  | ttcttgctg   | ccacttcctc | 327420 |
| catggaacga  | gcctgctgga  | gtttgctttg  | tacttcaatc  | catttcatat  | cagcaaggct | 327480 |
| tcctctgtca  | tgcatgtgtt  | tcatacgtg   | ataggcatct  | tcagcctgtt  | tcagtgtaga | 327540 |
| ttgtgcggct  | gcataactgc  | tttgaatgga  | tgctgggtct  | atttctgcta  | tcagttgacc | 327600 |
| tttagtcact  | ggtttaccta  | agtcgacgta  | tattttcttg  | atggtaccca  | tgacggaaaa | 327660 |
| acttaatgca  | gtagcattcg  | attcttctac  | ggtgccagaa  | taatgtctgg  | actcattggt | 327720 |
| cgtaccagaa  | gatacttgca  | tgacttttac  | ttttaccggg  | tcggcggaga  | agttctgctt | 327780 |
| gttggtatta  | tcctgacaag  | ataacaatgt  | gaataacagt  | aatgatactg  | taatgtaatg | 327840 |
| acactttttc  | ataccttttc  | tgaattatct  | tttaatttgt  | tcggtggcaa  | agaatacat  | 327900 |
| tttgcctgac  | gtattgattc  | ttttaaaagtc | tttaaaagtg  | ttctaaaaag  | ctcatgcctt | 327960 |
| ttccaatcag  | aataatagac  | catttattgt  | gtctgttttg  | ttactgctat  | tgggggaaat | 328020 |
| taccgttatt  | ttgcagaaaa  | agaagctata  | gaatagatat  | ggaaaaagat  | attttagaaa | 328080 |
| gaggaatatg  | gcataatagc  | gatttagata  | gaaatgcggt  | ttacaaagac  | gatcgtatag | 328140 |
| ctattattga  | caatattcaa  | ggcctgaaaa  | atgggcagga  | gtttttgagt  | gacttggtaa | 328200 |
| agggtgatgc  | ggtacttttg  | gtcttttgtg  | tgaaggaaa   | agcttccttg  | tgcatcaatg | 328260 |
| gggatactta  | catgattcat  | ccgaatgatt  | tgctggtttg  | tattccgaac  | attgtctttg | 328320 |
| aaaagagtat  | gatttagcata | gactttgaaa  | tgctgtagtgt | tgtgctttct  | cctgaatata | 328380 |
| tgaagaatat  | ggtcttgttt  | gaatgcagta  | gttgagctt   | tcgttcgttt  | gttgaaaaac | 328440 |
| atccggtgtt  | ttcgttgaat  | gatgaggaag  | caagactgtt  | caggcagtat  | tatgatctat | 328500 |
| tgtacgaaaa  | aatgaccgga  | gtcctcgtta  | agcaccagaa  | ggaattgttt  | gatgccttac | 328560 |
| tggaaatgtt  | tcattatgat  | ttctatgata  | cgatagaacg  | tttctacaat  | gagaaccgga | 328620 |

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| aaaccttttc  | atcgtctgaa  | gtcttggtcc  | gaaactttct  | ggacttgctg  | aatactccgg | 328680 |
| gaaataactg  | tcggaaagt   | gcttattatg  | ccgataagct  | gcatgtctca  | cctaaatatt | 328740 |
| tgtctgctgt  | gtgcaaagaa  | gtaagcggac  | agacagcttt  | cgatctggta  | aatcaatatg | 328800 |
| tcttgaagaa  | tgtgaaatac  | atgttgcaat  | ggctctccaa  | gagcataaag  | gaaatagcca | 328860 |
| tggaaattgga | ctttcccaat  | ctctctttct  | ttggcaagta  | cgtgaaacgt  | tatctaggag | 328920 |
| tttctcctaa  | acaatatagg  | gaacagttgt  | cctctgaaaa  | atcatcagat  | acggaagctt | 328980 |
| aatcggcggg  | ttgattattg  | cttctgtatt  | tttatccttt  | gtttattatc  | tgggtcagaa | 329040 |
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| catgggttga  | taactcgttt  | ccagaagcaa  | tgggaatttt  | tattaactct  | tcttcgtttc | 329160 |
| gtacagctgc  | gaatgtcagt  | attgtagcct  | gatttccgct  | cttgacaagg  | tttatgatcg | 329220 |
| tattaacatc  | gttgatttca  | atttcggtag  | tcagggtgtaa | tttttctttc  | agacagacat | 329280 |
| gttctattat  | ttcacgagta  | acgaaacctt  | tacttggaag  | tatcagtgga  | attgaagcga | 329340 |
| tatcttgaaa  | cttgatgatg  | gctttagaag  | ttaccgggtg  | agattttcct  | gcaaccagat | 329400 |
| agagtcggga  | agaaaatagg  | aatatttttt  | caaaatcaat  | aaaactttct  | tccgaaccga | 329460 |
| aagacaacac  | aaaatccatt  | tcattatttt  | ccagttttac  | catcagttct  | tccgacgtgg | 329520 |
| caaagatgat  | gttgatttgt  | atatgaggat  | attgctctga  | aaataatgga  | agtgtcttag | 329580 |
| tgagcaatga  | actcaggctg  | aatgttgctg  | ctatacataa  | ttttccagta  | tccagattct | 329640 |
| gtaaatcacg  | gatgatctgt  | ttcccgtttt  | cactttctct  | tatggcattt  | tttgcataag | 329700 |
| gcaaaaatga  | acttcccgtc  | tctgtaagta  | tgatacgttt  | tcctatacgg  | tcgaaaagta | 329760 |
| aaataccgag  | ttcgttttcc  | aattgtttta  | tctgtttgtg  | aaggggtact  | tgtgagatac | 329820 |
| ataacgcatg  | ggccgcttct  | gtaaagttaa  | gcagttcaca  | ggctttttcg  | aaatatttta | 329880 |
| gttggcgaa   | ttccattttc  | aatcgggttt  | tatcaatgat  | tattatcgaa  | aaaaagagtt | 329940 |
| ttacaaaat   | aaaattataa  | tctgggctaa  | cctatttttg  | catcacaaaac | ctaataaaaa | 330000 |
| gtgattgatg  | gggagcaaaa  | aagtaaataa  | tgagcatgaa  | gtcacagtgc  | gctttcgtat | 330060 |
| gatacgcaac  | tgtatgtttc  | tgtccggcct  | ttctgttttt  | gcgcagctgt  | atctttttca | 330120 |
| gccgatgctg  | tcggatttgt  | gccgttcttt  | tagtataact  | ccagccgaaa  | gtagtcttgc | 330180 |
| cgtatcagct  | tcaacagtcg  | gaatggctgt  | cgggttgctc  | tttctggcgt  | ttaaggctga | 330240 |
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| tgtcttagca  | gggttttcgg  | ctgtagcgtt  | ggcatatctg  | tcggaagaag  | tggtgcctc  | 330420 |
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| cggaaatagta | agtcttgcc   | taggtgctat  | cttttgctgg  | aaaattccgg  | ctggaagaaa | 330600 |
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| gcaaacgaca  | tttatcagta  | tgtatgtcat  | tgcagctctt  | tctatgggaa  | tctttgtgag | 330720 |
| tgtctataat  | tatctttctt  | ttttgcttga  | gtctcctgct  | tttggtttgc  | cccatcattt | 330780 |
| ggtagctatg  | attttcatga  | tgtatgtagc  | tggaatcata  | ggatcgggtt  | tggctggtgt | 330840 |
| cttatccgat  | cggtttgggc  | cggagggtact | tttgcagggt  | gcattactgc  | tgatgggggt | 330900 |
| aggcatgtcg  | cttttgctgg  | tgatgaagct  | ttgggccatt  | gtgcttggtg  | tgggtatatt | 330960 |
| gacttttgct  | ttcttttagta | cgcatacact  | ggcaagtcgg  | attgtttcca  | tgcattgcca | 331020 |
| gcatttgaaa  | agcagtgtca  | ccagtattta  | ctggctgttt  | tattatgccg  | gttctagtgt | 331080 |
| gattggatcg  | ttgacgggaa  | tcgtactggg  | taacagtgga  | tgggtttcgt  | tgatggaagt | 331140 |
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| attgtatgag  | aagagtaaag  | tttacagcca  | tcgtcgggat  | ggcaataatg  | atgtccgttc | 331260 |
| ccgcaattag  | tctggcggac  | aatggaaaaa  | acgttgagg   | tgtaaatgaa  | ggatatccgt | 331320 |
| tctgcgaaa   | tactaccct   | tatgatggag  | gtattctgat  | tgccaatttt  | ggaacagaac | 331380 |
| agttgaatcc  | gcttaataca  | gatggtaagg  | gatatacct   | ttattataag  | gatggtgaag | 331440 |
| taagtacgtt  | ggttgctgcc  | gatggcaatc  | tgaatgctcc  | gaagggaatg  | tttatgcgta | 331500 |

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| gtaaaagctcc | taaaacgatt  | cacctgccgg  | agggtaatct | gtttgtaaat  | gacttggcgg  | 331620 |
| cagatggtaa  | taacttgtat  | gcctcagtaa  | caaatacaga | taagatcttt  | aagattgata  | 331680 |
| taaccgattg  | tgacaatccg  | ggagaggctc  | aggagtgggc | tactgtacct  | ggctctaattg | 331740 |
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| cacttaatat  | ttcgttggac  | aaagaattat  | cgggtcctgc | tgacattacg  | gtttctggag  | 332040 |
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| aatctgtaaa  | ttgaaacatt  | atccccttgt  | ctatccttca | gtgtaaggaa  | cagacgaggg  | 332220 |
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| ttctatgcgt  | atgaaaaatc  | acaaattctt  | gttgtatgtg | ttgggctctt  | ttttgtgctt  | 332400 |
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| tgtttggtcg  | gtaaccatac  | ctggagtaaa  | ggatggtgtt | tatcgctatc  | attttctggt  | 332640 |
| agacggtgta  | aagtggttcg  | atcccaagtc  | tccagaagct | ggtgaaacca  | cagcattgat  | 332700 |
| gactgttgga  | agttcaggtg  | acgagttcta  | tgccatgaag | aatgttcctc  | acggagccat  | 332760 |
| gtcagaacgt  | tattattatt  | ctaaatcact  | gaaaacaact | cgtcgccctgc | atgtatggac  | 332820 |
| accagctggt  | tatgaaaaag  | gttcggagaa  | cttacctggt | ttatatctga  | ttcatggggg  | 332880 |
| aggcgataca  | gataattctt  | ggccaaccgt  | aggatgtgcg | ggtaatatcc  | tggataatth  | 332940 |
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| acaaggtggt  | cccgaagata  | tcgcttataa  | gaattgtaag | gctatgctta  | aactattttga | 333360 |
| tgaggccgga  | attaaatatac | agtattcaga  | ggctccgggt | ggacatacat  | ggtatacatg  | 333420 |
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| aacaaataga  | acaactgttt  | tgaacacaga  | tattagtttt | ttgaataaat  | aagataatgt  | 333600 |
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| aaaaaggagg  | aaacggatat  | gaaaaataaa  | tattaaatct | tttacaaaaa  | tgagaaacgt  | 333780 |
| tattcgaatg  | gtaggcggtg  | gaatcgctgc  | tttatgtatg | gtgacttcta  | ctgtacaggg  | 333840 |
| acaggtgaaa  | ttgaatgcca  | gcaacattga  | tgaagttatc | ggtcagatga  | ctttggaaga  | 333900 |
| aaaagtacac  | atggtaattg  | gttgtggtat  | gtcgaatgga | gatgatgtca  | agtttcccg   | 333960 |
| tacagcagga  | cgtacatacg  | atatccctcg  | gttaggtatt | ccttcgggtt  | atctggcaga  | 334020 |
| cggaccacat  | cggttggcca  | tggctgtaaa  | gcgtgatttc | gatagtcatt  | tttattatgc  | 334080 |
| aactgaattt  | ccttcgggta  | cgaccgtagc  | tgctacattc | gatccgaatg  | ctgcgtttca  | 334140 |
| agttggagct  | gcattgggag  | aggaagtga   | agattacgga | atggatgtat  | tattggcacc  | 334200 |
| agggtgcaaac | ttaatgcgta  | atgctttgtg  | cggccgtaat | catgaatatt  | attctgaaga  | 334260 |
| tcctgttgtg  | acgggaaaga  | tagctgccgg  | atatatcaat | ggggtacaga  | gccagggtac  | 334320 |
| aggtacctgt  | ctgaaacatt  | tcgctgtgaa  | taatcaggaa | accaatcgta  | acaacaacga  | 334380 |



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|-------------|-------------|------------|-------------|-------------|-------------|--------|
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| caaagagtct  | caaccatgga  | gtattatgac | atcttacaat  | aaagttaatg  | gtaagtatac  | 334500 |
| atgtgaagat  | atagacttga  | cgaatacat  | tctccgtgac  | gaatggggat  | tcaagggat   | 334560 |
| ggttatgtct  | gactggaatg  | cgggaactga | tgccgtgact  | tcgatgaagg  | cgggaaatga  | 334620 |
| tatgctacag  | cccggacaag  | atcgtcagta | taaggctatt  | ctggaagccg  | tacagaatgg  | 334680 |
| cacgctggat  | gaggcggttc  | tgaatcgtaa | cgtaaaacga  | atattggaaa  | tggtggtgaa  | 334740 |
| atgccatacg  | tttgataatt  | ataaatatgc | caacgaaaca  | aacctgaagg  | ctcatgcccc  | 334800 |
| ggtagaccgt  | accataggtg  | cagagggat  | tgtcttattg  | gataatcaga  | gcgctttgcc  | 334860 |
| tttggcagcc  | aatatcaaga  | atgtagcttt | gtatggaacg  | acatcgtagc  | atatggttcc  | 334920 |
| tgcaggatg   | ggatttggaa  | gtacagggtg | tggctattat  | tgcgtttcca  | tggtggaagg  | 334980 |
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| ggccgatgag  | cagaaacgtc  | tttatccgaa | aggcagacct  | cctttctctc  | ttactccgct  | 335100 |
| gaagcgtgca  | gaagaatttg  | tccctactgc | tgaagaactg  | gctgctcagg  | ttaagagtaa  | 335160 |
| tgatgtggct  | attcttacct  | taggacgtac | cagtggtag   | gcttccgaca  | gacgggtaga  | 335220 |
| agaattctat  | ttgaaagaca  | acgaaacagc | ccttatcaag  | cagggtggctg | aggcttatca  | 335280 |
| tgctgccggc  | aaaaaggtaa  | ttgttatcct | gaatatttgt  | agtccggtag  | aaactgcttc  | 335340 |
| ttggaagaat  | acggtcgatg  | ctgtaatctg | tgctttccag  | cccggtcagg  | aagtcggaaa  | 335400 |
| cagtgtagcc  | gatgtactga  | caggtaaggt | aaatccttca  | ggacatctgc  | cgatgacgtt  | 335460 |
| cgccgtaaaa  | tatggagatg  | caccgtctga | cgctaatttc  | ccgtatgact  | atgagtttaa  | 335520 |
| aatgccgtcg  | tttgcaatgg  | gaagcggcat | gaacttcgag  | tcgaaagaga  | aaaaggaaga  | 335580 |
| aaagcctaaa  | gaggccgttc  | gcaatgtaga | ttacacgaac  | tatgaagaag  | gtatttatgt  | 335640 |
| aggttatcgc  | tatttcgata  | ctttcagtaa | ggaagtttct  | tatccgtttg  | gtcacggttt  | 335700 |
| gtcgtataca  | accttcagtt  | ttgatgtcgt | atcatcaggt  | attaatggcg  | acaagtgtga  | 335760 |
| gatgaaaagta | tcggtaaaga  | atacaggcaa | ttgtgccggc  | aaggagtctg  | tccagcttta  | 335820 |
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| gatggcagca  | gcttcttctg  | ctgatgttcg | ttgcacggta  | tctcaaaagg  | tggtctaaagc | 336060 |
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| gaattttatc  | aggatggtaa  | tcctgaaatg | agtgaagact  | gtctgtatct  | gaatgtgtgg  | 336480 |
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| ctgctgactg  | ccgaaaacgg  | tggcaagggt | tctggcaact  | atggtctgtt  | cgaccagctg  | 336720 |
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| acagtattcg  | ggcagagtgc  | tggtgccggc | agtgtgcagg  | cattgatttc  | ttcacctttg  | 336840 |
| gccgaaggat  | atatacagcg  | tgctatcata | caaagtgggtg | gcggattggg  | aggcattatt  | 336900 |
| tctacaaaat  | ccttacaaga  | cgctgaaact | gtaggaaaag  | ccatgtggga  | tgcttcgggc  | 336960 |
| tgcactacgt  | tggagcagat  | gcgtgcttat | ccggcagacc  | gtttttcggg  | agtgatgacg  | 337020 |
| aattacatga  | aacagcagaa  | aaaatttatg | ggcatgccct  | attccccgtg  | tgtggatgga  | 337080 |
| gagcttctga  | atgcctcggc  | atacgaatgt | gcgatgcagg  | acaaggaact  | ggatattcct  | 337140 |
| tacatgatag  | gctacacgtc  | ggaggatatc | gctccagatc  | agatgcggaa  | ggctgccgtg  | 337200 |
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| gcgtttcatt  | ccagtgaagt  | gtggtatatg  | tttgaacgt  | tggataaatg  | ctggcgtccg  | 337380 |
| atggaagcag  | ccgattatga  | gttgagtga   | cgcatgggtt | cttattggac  | gaactttgcc  | 337440 |
| aagagcggca  | atccgaatgg  | agcagacttg  | cccgaatgga | aaccttgtag  | caaagccgac  | 337500 |
| cagcatatac  | aagaattgga  | tgtgaataaa  | taattgttta | atgtatcaat  | agttcgttaa  | 337560 |
| aaattagccc  | agcctaagcg  | gctctggcag  | taaataaaat | gagttctttg  | aaaagtttgt  | 337620 |
| caattaattg  | cgtgtttggg  | tcaatcccag  | acacgcaaat | aaatcgttca  | agcatgtaag  | 337680 |
| catttgttat  | gactgacttg  | catgatgata  | tggaaatatt | tattcccatc  | ttcttacagg  | 337740 |
| cagccttggc  | gaggttttatc | gctgcaagtg  | atgcattaaa | gtggaatgcc  | agtttcctga  | 337800 |
| agtctgtaga  | ctgacagttt  | gctattccgg  | catgttgctt | ggcatcccga  | aagcagaatt  | 337860 |
| cgagttggaa  | acgtgttctg  | taaaagtcca  | ggacatcctg | tgcgttctgt  | atttcgtttg  | 337920 |
| tagagaaata  | cagctgccat  | ttgtccgttc  | ttccatccat | ggggtaccat  | acagccaggc  | 337980 |
| tcacaaagcg  | tttgagtgtc  | ttggagtatg  | ctttcagtc  | gtaaagttaa  | cccttgttca  | 338040 |
| ctttgtactc  | ggtacatctt  | gtgatgtcca  | gattttcaaa | gtcaattttc  | tcgtcatgta  | 338100 |
| attttggacg  | tccgcgtttt  | cctgtcctat  | tttctaaggt | gggataaaaac | aatacggcat  | 338160 |
| cattcctgaa  | acggcttatt  | acgtggaaac  | cgttatcgta | caatggtttg  | atgaaagttg  | 338220 |
| cctttgaaaa  | gaacgcatca  | cacacgactg  | tgccagaaat | acgtttcagc  | tgttcctgta  | 338280 |
| tgctgataag  | gtaagagctg  | taccagtcaa  | caagattctt | ctcacagctt  | tccagcgttg  | 338340 |
| cgttgtcagg  | tgctgtaca   | gagcccaaag  | tcatacattc | atggttgtca  | acgtctataa  | 338400 |
| ctccaatacc  | ggttatttcc  | agtccacgtt  | tgtattcacc | ggcacaaccg  | gaccagaaat  | 338460 |
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| tttgtaggaa  | attgatgcgg  | tcaggatatag | ccatgaataa | tttcattgca  | tccatgaata  | 338700 |
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| ggtattgcat  | aaggagtgtat | tctttagtca  | taattaaaag | tggtgaagta  | cttctaattt  | 338820 |
| actaaaaatc  | agtgaattat  | gaaatacttt  | ttctgttgat | tttcagctgt  | ttagcatatc  | 338880 |
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| acctcacgga  | aatgttttcta | aggtatggta  | cgatagtccc | acgctgaaga  | tgacacgtcg  | 339540 |
| tatgacgggt  | tatactcctg  | ctgggttacga | aaaaggtgga | cgttatccgg  | tgcttttattt | 339600 |
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| aaatacaaat  | tgtgaagctg  | ctccaggaga  | atggtcgaaa | ggtatgtata  | agccttcatt  | 339780 |
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| tttgtctatg  | ggtggcggac  | attctttcgc  | tatttcgaag | ctctatccga  | atatgttcga  | 339960 |
| ttacgtcggg  | ctgttttcag  | ctgctatcta  | tgtaaaggga | ggtaataatt  | caaagcaacc  | 340020 |
| gcttttggat  | caaatgaatg  | aggatgctga  | tttcaataag | cagatgactg  | ctttgttttg  | 340080 |
| tgctcatccg  | aagttgtatt  | ggattgctat  | cggcaagact | gatttcttgt  | ataaggcaaa  | 340140 |

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| taagtaatgg  | taagaactta  | gtttctagtt  | tggtgtattt  | taccagttga | aaaatagatt  | 340320 |
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| agcaaagggg  | gaatttcggt  | ttcattcgca  | aaatcggcat  | gtaacttcct | ttacataatt  | 340440 |
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| tattttcaat  | gttgctcctt  | ctttgggaga  | gcatgtcacc  | caatcgatat | cttccggcaa  | 340860 |
| gacacaagtt  | ccattgggtt  | ctattgcaat  | gtatttgccg  | gcagcatgta | gtgccctgat  | 340920 |
| tagttcgctg  | tcaatccata  | gtcctgggtc  | tccacctgta  | agaattacca | tttgacacgg  | 340980 |
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| ataccaaca   | ggcaatgttt  | tctgccgtag  | gattaaaagg  | cagtatatcg | ttcaggttgt  | 341280 |
| tatggtctaa  | ttgcttttct  | actgcttgct  | tgatatgagt  | aaaatctact | accataccgt  | 341340 |
| tttcgtcaag  | ttctttcgaa  | cggcaaaata  | cggttataat  | ccagttgtga | ccgtgaagct  | 341400 |
| tttcgcattt  | gctttgataa  | gatagtttta  | gcgagtgtga  | ggctgaaatc | tccatccttt  | 341460 |
| taattactgt  | gtacatagtt  | gatacgtag   | tttgattaat  | acaaatttgc | tcctgcttga  | 341520 |
| tgtagacctg  | gcagttattt  | atagtgcaaa  | gatagaaata  | tctaaggaaa | ttttattata  | 341580 |
| accgatttat  | acattcgtga  | ttttctcaat  | gattttcttc  | atttcttcat | gcagtacgga  | 341640 |
| taaaataaaa  | atccccataa  | ctcagagagt  | tacagggatt  | tatatattga | atcaagtata  | 341700 |
| aattacttat  | tcaaagccaa  | agctacgttt  | acagcgcaag  | ctactgtaca | tcctaccatc  | 341760 |
| gggttggttac | cgatacccg   | gaatcccatc  | atttctacgt  | gagcaggaac | tgatgaagaa  | 341820 |
| ccagcgaact  | gtgcgtctga  | gtgcatacgg  | cccatagtat  | ctgtcatacc | gtaagaagca  | 341880 |
| ggacctgcag  | ccatgttatc  | cgggtgaagt  | gtacgacctg  | taccaccacc | tgaagctact  | 341940 |
| gagaagtaag  | gtttacctgc  | aagaacacgt  | tctttcttgt  | aagtacctgc | aaccggatgc  | 342000 |
| tggaaacgag  | tcgggttagt  | agagttacct  | gtgatagata  | catctacatt | ttcatgccac  | 342060 |
| atgatagcaa  | caccttcacg  | tacatcgtct  | gcaccgtagc  | attttacttt | agcacgagga  | 342120 |
| ccgtctgaat  | acggagtttc  | ttttacgatg  | ttcaattcac  | ctgtgaagta | gtcgaactta  | 342180 |
| gtctgaacgt  | aagtaaattc  | gttgatacga  | gagataatca  | tagcagcgtc | tttaccaga   | 342240 |
| ccgttcaaga  | tacaacgcaa  | cgggttctta  | cgtactttgt  | ttgccatttc | agcaatcttg  | 342300 |
| atagcacctt  | ctgcggcagc  | gaatgattcg  | tggcctgcc   | agaatgcgaa | gcactgagtt  | 342360 |
| tcttcgagca  | acagacgagc  | tgccagggtta | ccgtgaccca  | aacctacttt | acgggtcatca | 342420 |
| gctactgagc  | ccggaataca  | gaaagcctgc  | aaaccgatac  | cgatagcttc | tgcagcgctg  | 342480 |
| gcagcgtttt  | tacaaccttt  | tttcagagcg  | attgcgcaac  | ctactacgta | tgccattttt  | 342540 |
| gcattctcga  | agcagatacc  | ctgagtttcc  | tgacaagtca  | gatacggatc | aaggccggct  | 342600 |
| gcgtcacaga  | ttgcattagc  | ttcttcaatg  | tctttgatac  | cgttttcatt | caaagcagcc  | 342660 |
| aaaatctgct  | tgatacgacg  | gtcctgactt  | tcaaaactgta | ctggtctaat | cataatctgt  | 342720 |
| atcctcctta  | ttattcttta  | cgtgggtcaa  | tatatttaac  | tgcgccttgt | tcgggtttga  | 342780 |
| agcgtccgta  | agtaccggtta | acagctttca  | atgcttcatt  | agcatctgta | cccttcttga  | 342840 |
| tctgttccat  | gaatttacc   | atgtgaacaa  | attcgtaacc  | gattacctgg | ttgtctttgt  | 342900 |
| ccaaagccat  | acgagtgatg  | taaccttctg  | tcagttccaa  | gtaacgagta | ccttttgctt  | 342960 |
| ttgttccata  | caaagtacct  | gtctggctgc  | gaagtccttt  | acccaagtct | tccaaacctg  | 343020 |

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|-------------|-------------|-------------|-------------|------------|-------------|--------|
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| agaacaattc  | acgcattgcg  | gtgttgatgg  | catcgcaaac  | caagtctgta | ttcagtgcctt | 343140 |
| ccagaattgt  | tttaccggc   | agaatttcag  | aagccatagc  | tgctgagtga | gtcataccag  | 343200 |
| agcaaccgat  | tgtttctacc  | aaacattctt  | cgataacacc  | ttctttgacg | ttcaaagtca  | 343260 |
| atttacaagc  | accctgctgt  | ggagcacacc  | atcccacacc  | atgagttaaa | cctgaaatgt  | 343320 |
| ctttgatttc  | ttttgcttga  | atccattttc  | cttcttcagg  | aattggggcc | ggaccgtggt  | 343380 |
| taggtccttt  | agcaacacaa  | cacatgtgtt  | caacttcatg  | tgaataaatc | atattattta  | 343440 |
| cgttttatga  | gtaataaaaa  | ataagtattt  | cgtaaaccac  | ttattacgga | atctcttctt  | 343500 |
| taattcgtac  | gcaaagttag  | tcgttttatt  | tagttatgca  | atcaatgaaa | ccgaactttt  | 343560 |
| tgttgcattt  | taatgatatt  | tttcgctgaa  | actcgtgttt  | tgtaatgtcg | gcataatcaa  | 343620 |
| atgtttttta  | tcttccgaga  | gaaacccgta  | tctttgctgc  | cggatttcca | acaaaaggat  | 343680 |
| atacctatat  | ataagtaata  | ataatcaggt  | atatggacga  | gtgtaagatt | aaagtaaaag  | 343740 |
| acgatgcctt  | gcgtcgtggt  | gcagaagccg  | gaatggatga  | gtttctgaaa | gtgtttgtcg  | 343800 |
| acaaatactt  | ggaggtgacc  | ggtggagtta  | tcaatgcaga  | aaccatgccg | ttgctcaatg  | 343860 |
| gctatcagca  | tacactgctg  | gggtatcatt  | tctttcgga   | ggaagtgtc  | gaaggaggtt  | 343920 |
| ttgtgcagtt  | gattcagaat  | ggttacggac  | cgtacatttt  | cgataatcct | tttgccaagg  | 343980 |
| ctatgcgtct  | gtttggagct  | aaggagtttt  | cgaaactgat  | ttacgaagcc | aagaagattt  | 344040 |
| acgatgcgca  | tcggaaagac  | ttggagaaaag | agtgttccga  | cgatgaattt | atggccatgt  | 344100 |
| atgagcagta  | tgaggaattc  | gatgatctgg  | aagaagccta  | tatggatatg | gaagagaagg  | 344160 |
| ttacggctca  | gcttgacagaa | tacgtggacg  | aacatttggg  | tcagtttgcc | gaggtagagc  | 344220 |
| aataaaattgt | tttacttgtg  | aaggaaaatc  | gtttaagtac  | gaatagcggg | tatgcgaatt  | 344280 |
| cgtggaagat  | agggagtgtt  | ggagccgaag  | aaccggtcga  | tctttacgaa | ttgtataaat  | 344340 |
| aaatgttaaa  | aagtaaaaagt | gcaaagcagt  | ctttttacgc  | tttttttatt | taagatgaag  | 344400 |
| aaatttaata  | atctataaaa  | acataaagga  | atgaagacaa  | tgaagttttt | cgtaatggca  | 344460 |
| tcggcttttg  | ctgcaatggt  | aggtttcagt  | tcttgcttga  | atggttgaga | ttataactaat | 344520 |
| acggcatcgg  | gtgctacgtt  | tgtaaaagta  | tcaggctatt  | tggaatttaa | tagtttgaaa  | 344580 |
| gatgaactag  | ggtttgagta  | tgttccttct  | aataaagagg  | atattacaaa | tttgacgagc  | 344640 |
| gaaaagtatg  | catatattgt  | ttatacgtat  | gatcctacaa  | ctgtagatta | tgcgacagaag | 344700 |
| gcggtcaata  | ttaatctggc  | aggttattct  | attctgaccg  | atgaacaggt | tggtgcaaat  | 344760 |
| gctcctgtgg  | cagaaaatgc  | gaatgctcct  | gtctatagcg  | tatatgatag | gagtaccagc  | 344820 |
| tcacaatatc  | gtgtacagcc  | tgttttctat  | cagaagagag  | atgtattcat | tccgatttat  | 344880 |
| tactattata  | aaccggctaa  | tagtagtgag  | gacttgacga  | aagaaagggt | tcttcaccat  | 344940 |
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| gaattcagac  | attttaattt  | gaactcagcg  | ttaagccagt  | atcaggctgc | caatggcgga  | 345120 |
| cagaatccgg  | ataagattgt  | aattgaattc  | gaacagaatc  | ggtacaatgc | tgattatggg  | 345180 |
| aaagacgata  | tagaaaagcaa | gtcatacga   | atagactata  | aaacggtagt | cgaaaattat  | 345240 |
| gataagctgg  | ctggtagtac  | gaccggatca  | ggtagtaacg  | aataatttaa | gagagaaaag  | 345300 |
| atagagagag  | ggcatagctt  | ggtaagtatg  | cctttgttaa  | ggtacggatt | gtacggaatg  | 345360 |
| gctgttgat   | gttaattgat  | gtcagcggtt  | ctgtataatt  | cgtaccttat | tttatttctt  | 345420 |
| ttttgtacat  | ttgcaattcc  | gattgtcggg  | ttgattacaa  | aaaagaagaa | taacattgga  | 345480 |
| ttataaatca  | ttatttcagc  | aaatagttac  | tttgctttcc  | actcccggta | aagcgtggag  | 345540 |
| tgaaaatagca | gaacgagggg  | ttgggcgttc  | gataatgcct  | gcttttggtt | atcccctgat  | 345600 |
| tggtttgtgc  | gggttgctcg  | aatttatcgg  | aacattttatt | ggaaaggact | tttcgtccat  | 345660 |
| catgtttcaa  | atagccttga  | ctcgtgtgtg  | tgccgtagct  | gtagccttgt | tcggaggatt  | 345720 |
| tttcctgtcg  | gcttatctgc  | tcgataaact  | gaaccggaaa  | tggtctggca | gaaaagattc  | 345780 |
| atacgaccgg  | atgctgggtc  | ttgtgggcta  | ttccatgggc  | gttacctttg | ttttgaatat  | 345840 |
| cgtcagcgga  | ctgttttcca  | ttgttctgct  | gcactggata  | ttgcaaatat | ataccattgt  | 345900 |

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| taccgttgtg | tcaactgtca  | ttatcttggt | gtgtcctgcc  | cttatcgaat  | ttatatataa  | 346020 |
| taagtatatc | gtaattttga  | actgatgaaa | acaaacgccg  | gtaatatcaa  | tatcaagaac  | 346080 |
| aaacgtgctg | cattcgatta  | tgagtttatc | gatacgata   | ccgccggaat  | tgtgctgacc  | 346140 |
| ggaaccgaaa | tcaagtccat  | tcgtcaggga | aaggcaagtc  | tggtcgatac  | gttttggttc  | 346200 |
| ttttcccgcg | gagagttgtg  | ggtgaagaac | atgcacattg  | ccgaatattt  | ttatggctct  | 346260 |
| tacaataacc | atgcggctcg  | tcgcgaccgc | aagctgctgc  | ttaccaagaa  | ggagctgcgc  | 346320 |
| aagctggaac | ggacttctgc  | cgagccgggt | tttaccattg  | tgcctactcg  | tatgtatatc  | 346380 |
| aatgaaaaag | gactggcaaa  | ggtggttatt | gctctggcaa  | agggttaagaa | acaatacgac  | 346440 |
| aagcgccaga | ccttgaagga  | aaaggaagac | aaacgtatga  | tggatcgcat  | gttcaagcga  | 346500 |
| taaacaaggg | ggaactgcac  | ggactacacg | ggcttacacg  | acttttttat  | aattaaatag  | 346560 |
| ggcttttcaa | aatgcaacaa  | ctaataaacg | aacgtattct  | cgtgctcgac  | ggagcgatgg  | 346620 |
| gaaccatgat | acaacaatat  | aatctctcgg | aggccgattt  | ccggggggag  | cgtttcaagg  | 346680 |
| atatacccg  | acagttgaag  | ggaaacaacg | acatgctgtg  | cctgacgcat  | ccggatgtaa  | 346740 |
| tcgaagaaat | acaccggaag  | tatctggagg | cgggagcaga  | tatcattgaa  | acaaatacat  | 346800 |
| tcaatgcgac | ttctgtttcg  | atggcggatt | atcacatgca  | gccgtattgt  | cgtgaaataa  | 346860 |
| atctggcggc | agcccgtctg  | gctcgttaag | tagccgatga  | gtttaccgca  | aaaactcccg  | 346920 |
| gaaagccacg | tttcgtgggt  | ggttcgggtg | gccctacca   | taagacctgc  | tccatgagtc  | 346980 |
| ccgacgtaaa | caatccgggt  | tttcgtgcgc | ttacgttcga  | tgaacttgct  | gatgcttacc  | 347040 |
| gcgaacagat | ggaagccttg  | ctcgaagggg | gagtggatgc  | catcctgata  | gaaaccattt  | 347100 |
| tcgatacgct | gaatgcgaaa  | gctgctattc | tggcggcaga  | aacctcgatg  | cggaaatttg  | 347160 |
| gaagaaaagg | tccgctgatg  | ctttctgtga | cggtttcgga  | tgtagcagga  | cgtaccttgt  | 347220 |
| cgggacagac | gcttgatgct  | tttctggctt | cgggtgcagca | tgctgacatt  | ttctccatcg  | 347280 |
| gattgaactg | ttctttcggg  | gccaagcagt | tgaagccttt  | tctggaacaa  | ctggctcgcc  | 347340 |
| gtgctcctta | ttatataagt  | gcctatccca | atgccggact  | tccaacagat  | ctggggcagt  | 347400 |
| acgaccagac | gcccaggagg  | atggctgtcg | aaatcaagga  | atatatcgac  | gagggactgg  | 347460 |
| tcaatatcat | tggaggatgc  | tgtggtacta | cagaggccta  | tatagctaag  | tatcaggagc  | 347520 |
| tcatcaagga | tgctaagcct  | catgtgcctg | cgccggagcc  | gaaatatctc  | tggctttcgg  | 347580 |
| gactggagct | gctggagggtg | actcccga   | ttaatTTTTgt | gaacgtgggt  | gaacgttgca  | 347640 |
| atgtggctgg | ttctcgcaag  | ttccttcgcc | tgatcaacga  | aaagaaatac  | gatgaggctt  | 347700 |
| tgctgattgc | ccgcaagcag  | gtagaagacg | gtgcgctgat  | tctcgatgtc  | aacatggacg  | 347760 |
| acggtttact | ggatgctgcc  | gaggaaatga | ctacattcct  | caacctgggtc | gcatcgagac  | 347820 |
| cggatattgc | ccgtgtgcct  | attatgatcg | actcttctaa  | atgggaggtt  | atttttagcag | 347880 |
| gactgaagtg | tgtgcagggc  | aagtgtgtcg | tcaattccat  | ttcgtgaaa   | gaaggcgaag  | 347940 |
| agcttttcat | tgagcatgcc  | cgtaccgtca | agcagtacgg  | tgcggcagtc  | atcgtgatgg  | 348000 |
| cattcgacga | gaaagggcag  | gccgatacgt | tcgaacgtaa  | gattgaagtt  | tgcgaacggg  | 348060 |
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| aggcgacggg | ctggattcgt  | cagaaccttc | cgggagcaca  | tgtcagcgga  | ggggtaagta  | 348240 |
| atctttcgtt | ctcgttccgc  | ggcaacaact | atatccgtga  | ggcgatgcac  | gcggtattcc  | 348300 |
| tctatcatgc | cattcagcaa  | ggtatggata | tgggcattgt  | caatccggga  | acttcggtgc  | 348360 |
| tgtataccga | tattccttcg  | gatattctgg | agcgtataga  | agatgtggta  | ttgaaccgtc  | 348420 |
| gtccggatgc | tgccgagcgc  | ctgattgaaa | cggccgaaaa  | actgaaggcg  | gaaaaagaga  | 348480 |
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| acgatatcgg  | taaaaacatt  | gtgggggtcg  | tcatggcgtg  | caacaattac  | gagattatcg | 348900 |
| acttgggtgt  | gatggtccct  | gcggagaaga  | ttatcgaac   | ggctatccgt  | gagaaggtag | 348960 |
| atattgtcgg  | tttgagcgga  | ctcattactc  | cgctcgctgga | agaaatggtg  | catgtcgtga | 349020 |
| gggagatgga  | acgtgccgga  | ctcgacattc  | cggtgatgat  | tggcggtgct  | acaacttcca | 349080 |
| agctccatac  | tgctctgaag  | attgctccgg  | tttatcatgt  | tccggtggtc  | tacatgaaag | 349140 |
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| tcaagacagt  | ttcgctcaag  | gaggcacaga  | aaaataaatt  | gaacctgtgg  | gagtagattg | 349320 |
| tcatctggaa  | cttgggtgat  | ttattctctg  | aagggtggga  | tggatatatca | actttttggt | 349380 |
| gatataccat  | gctttttggt  | tgtattcttt  | ataaattttac | ccagcattga  | aaaacacgac | 349440 |
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| tatggagata  | gaatcagtta  | tgctggaaca  | gaaataaagt  | tggataagaa  | gacttttttt | 349620 |
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| gctccttatg  | tatatgggat  | agataatccg  | gacgatcctc  | aagttagagt  | gggaaaggaa | 349800 |
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| gggcaacctt  | acatttttagg | agccgataag  | ccctataata  | cggtatgtat  | ggagcaaaga | 350520 |
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| cattgttaatt | atgtactcca  | aggtgctcag  | atcagatgga  | aagtacagtc  | gggctatgaa | 350820 |
| aaatatatca  | gtctgtcggg  | ggaaagaaat  | ggaaagtgtg  | tagttgaagc  | ccgaaatcac | 350880 |
| gaggatgaaa  | caaaacattt  | cactataaca  | gctttttacg  | aggaggggct  | ggaatgtgcc | 350940 |
| gtcgaactga  | tggttactcc  | cgattttgta  | gaagccccgg  | cttttgtgga  | actgccgaag | 351000 |
| ctgcagattg  | cagatggaag  | agcaacggta  | cgttatagcc  | tggacttgca  | gggacgtgaa | 351060 |
| gatgagtcgc  | tgataacttg  | gtatcgggct  | gccgataagg  | atggaaaaac  | aaaatatccg | 351120 |
| gtagcggttt  | cacgcttagg  | tatacccgaa  | acgaactaca  | ggcttaccac  | agaagatgtc | 351180 |
| gggtattatc  | ttatggtaac  | gatatcccc   | aagcatttgc  | gctgccatcc  | cggtaaggaa | 351240 |
| tatacagtaa  | cttcttcagc  | acgggtcagc  | aggaaacaga  | ttgatccggg  | aaatgtactt | 351300 |
| gaaactgatt  | ttcgaaattt  | tccttgtagc  | aatcagcctg  | ttatataccc  | cggcggctgg | 351360 |
| acgatagggtg | gatataagcc  | tttcgataca  | gcagaatatg  | attggaaagt  | attttccgat | 351420 |
| aagagttatt  | gggtatatgg  | taagggaata  | aatggagcac  | acggaatggg  | gctccttcag | 351480 |
| gctcagcgtg  | gggcgcgttt  | gctgtacact  | ccactggaag  | gagcatagcg  | ggatatgaaa | 351540 |
| ataaccttga  | atgttgatcc  | tagtaagacg  | gcaggacagg  | gattcgggaag | cgctacgggg | 351600 |
| cagtatatgg  | atgtctgtat  | aaagtttgat  | acccgtacat  | taagtggata  | tgccttacgt | 351660 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| atcatccgga  | cgactaaata  | tagtaatgct  | gtcgattttg | tgctgatgaa  | atatgaaaac  | 351720 |
| ggcaggacca  | ctgcaataac  | tccttccgta  | tcgagtacct | gttaccgcac  | cggctgtacc  | 351780 |
| attgtggctg  | aggtgagagg  | aaataaactg  | atggcacatg | ctgaaacttc  | tactccactt  | 351840 |
| tcagcccttg  | tgacggataa  | gaatttgcag  | ccttctgtta | gtttggaagc  | cgatattctt  | 351900 |
| cccaatttgt  | ggggcggtat  | ggcgattcaa  | catacgggaa | gctgtggcga  | gagtgtctacc | 351960 |
| atgctgcatt  | acttaaaaat  | agaatggaaa  | gataccttac | atagtaaata  | gttttacagt  | 352020 |
| ttttgagtga  | aaagtatcac  | aataggatgt  | gaaaatgatt | agaaaaggaa  | aatatgaaca  | 352080 |
| gtccttctact | agatgtgaat  | aatatcgtaa  | agccttgata | atgtaccttt  | gcttcagatt  | 352140 |
| aagaaatgaa  | acaaaatgaa  | gcaattacta  | gttattttta | cttgccctttg | tacgctgatg  | 352200 |
| cccgccgggg  | ctcaggacgt  | actgacactg  | gaagagtggc | tgcgactggg  | catagagaac  | 352260 |
| aatctctcct  | tgaaaagctg  | tcgcaatgaa  | gtccgaaaag | gagagcatat  | gctgagtga   | 352320 |
| aaccgtgcca  | agctgctgcc  | gcagattaat  | gcggtagccg | gattcaacga  | caatttcaac  | 352380 |
| ccgccgggtat | cggttaccga  | cggctctgct  | tacggcaatc | cgtacaatgt  | tactaaaacc  | 352440 |
| ttgcagtaca  | atgcatcgcc  | gggcatccag  | ttgcagatgc | ctttatacaa  | ccagacgggt  | 352500 |
| tatacagcaa  | tggatattac  | gcgaaccatg  | aacgagctga | accgcttgct  | gtacgaaaag  | 352560 |
| gcacgcgaag  | acttgattct  | gcaaatcagc  | aagatgtatt | atttgagtca  | gaacacttcc  | 352620 |
| gagcagcttg  | ccttgataaa  | agagaacatt  | tctcggtgta | acgagctgag  | caatattact  | 352680 |
| caggctttct  | acgataacgg  | catggcgatg  | gaagtcgacg | tgaagcgggt  | gaacatcaat  | 352740 |
| ctggaaaacc  | agcgggtaca  | gtatgataat  | gcacagtcta | tgctgactca  | gcaactcaat  | 352800 |
| ctcttgaagt  | atgtaatgga  | ttatccggcc  | gataaggaaa | tagctttgac  | accggtccat  | 352860 |
| acggaaaata  | tcacttccgt  | gtcgcttacc  | ggactggata | acaaccagta  | cgaactgcaa  | 352920 |
| ctcttgagct  | cgaagcagaa  | actggcagag  | cagcagcgca | agatgatcgg  | acagggatat  | 352980 |
| attccttcgc  | tgagccttac  | cggaaactgg  | atgtattccg | cttataccga  | caaggctaaa  | 353040 |
| aactggtttc  | attcgggacc  | atcgaatcac  | tggtaccagt | cgagtgggtat | cggactgacg  | 353100 |
| cttcgtattc  | ccattttcga  | cggactggag  | aagcgggcca | agatgagaaa  | ggcaaagatt  | 353160 |
| gaagtcgaga  | atacccgctc  | gtcgtacgaa  | aatgcgctca | agaatatgca  | gacgcagtac  | 353220 |
| ctgaatgcga  | cgaacgagtt  | gatgaacagc  | cagcgtaatt | tcaagaaaca  | gaaagacaac  | 353280 |
| tatctgctgg  | cggaggatgt  | gtatcaggtg  | acaaccgacc | gttatcgcca  | gggtattgcc  | 353340 |
| tccatgacgg  | aagtcttgca  | agacgagatg  | cggatgagcg | aagcccagaa  | caactacatc  | 353400 |
| aacgcacatt  | ataactatca  | ggtcaccaac  | ctgactctac | tcaaacttac  | cggacagttg  | 353460 |
| gaaacactgt  | tcaacggaaa  | ttctgttcat  | taatcaacct | tttaaaattg  | tcaacataat  | 353520 |
| gaaaaccaat  | cataatacac  | ttcaagaaaa  | agctctgaaa | ctgaaaaaac  | aacgtcgtaa  | 353580 |
| ccgaatcatt  | gccagcttgc  | tgggaataat  | catcctgata | ggaggagtgg  | tagaagcagc  | 353640 |
| tttccttttc  | ctcgactata  | aacataccga  | aaccagcaac | gatgcacagg  | tgaacaata   | 353700 |
| tatttcgccg  | gtcaacctgc  | gtgcttcggg  | ctatattaag | aaaatctatt  | ttaccgaaca  | 353760 |
| tcagtcgggtc | aagaaggagg  | ataccttgct  | ggtgctcgac | gaccgtgaat  | accgcatccg  | 353820 |
| ggtgatggag  | gctgaggctg  | ccttgaagga  | tgcatggcca | ggtgctacgg  | tagtagatgc  | 353880 |
| taccttgacg  | acaacacaga  | attccgcttc  | tgtctatgaa | gcttccattg  | ccgaaatcga  | 353940 |
| gattcgtctg  | gccaaagctg  | agaaagaccg  | ccagcgttat | gaaaacttgc  | tgaacgggaa  | 354000 |
| tgccggcgact | cccatccagc  | tggaaacagat | tgaacgggaa | tacgaggcta  | cacgcaagaa  | 354060 |
| actagaggct  | acgaaacgcc  | agcaacgggc  | tgccatgtcg | ggcatcaagg  | aggtatccaa  | 354120 |
| ccgtcgggaa  | agtaccgaag  | ctgccattca  | gcgggctacg | gctgctctcg  | aaatggcacg  | 354180 |
| gctgaacctg  | tcgtatacgg  | tagtggtggc  | tccgtgcgac | ggaaaactgg  | ggcgtcgtgc  | 354240 |
| tctggaggaa  | ggacagtata  | tcagtgccgg  | acagagcatt | acatatattc  | ttcccgtatac | 354300 |
| acagaaatgg  | attattgccca | attacaagga  | aactcaggta | gaaaatcttt  | cattggggaca | 354360 |
| gcagggtcgt  | attaaagtag  | atgcgatcag  | tggaaaggaa | tttaccggaa  | agattacggc  | 354420 |
| tatctctgga  | gcaaccgggt  | cgaataactc  | gctggttcct | accgataatt  | ccgcaggaaa  | 354480 |
| ctttgtcaag  | attcagcagc  | gcataccggg  | acgtatcgat | tttaccaatc  | tttcgaaaga  | 354540 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| agacaacgaa  | cgtctggctg  | ccggaatgat  | ggtagtgggtg | agtgccaaac  | agtaagagat  | 354600 |
| agacaactta  | gttttcagtt  | tcaataaaaac | aaagagttat  | gcctgcatgt  | ccgaaaaatt  | 354660 |
| atccgtttta  | taactgggtt  | cccaagccct  | tgggtgttct  | tatcctgttg  | ctgctgttta  | 354720 |
| tccctatcct  | tacggcaagc  | ggagtctata  | cggccaacag  | cggagagatg  | ctgagcgggc  | 354780 |
| tgggcattca  | gtcggaaacat | attcagtttg  | tcagtttccct | tacttccgta  | ggaatggcgg  | 354840 |
| ccttttctcc  | gttctttctac | gagctggttt  | gtatccgccg  | cgaaaagatg  | atgtgtattg  | 354900 |
| tcggtttctc  | gctgctgtac  | ctgctgagct  | acgtgtgtgc  | caagaccgac  | agtattttatc | 354960 |
| tgctggcagt  | atgcagtgtt  | gtcatgggct  | ttctgcgcac  | ggtgctgatg  | atggtcaacc  | 355020 |
| tgtttacgct  | cattaagtat  | gcgttcaaga  | tggaagctac  | ccgcaacatt  | acgccgggca  | 355080 |
| atgatcctgt  | agatggtgaa  | ggatgggatc  | agctcgaccg  | tgagaagggg  | gttagcatgc  | 355140 |
| ctaccattta  | cctgtttttc  | atgatattgg  | gacagattgg  | tacgtcgctt  | accgcatggc  | 355200 |
| tggcttacga  | atacgaatgg  | cagtacgtgt  | actatttcat  | gatgggctcg  | ctgttgcttt  | 355260 |
| ccattttgat  | tgtattcatt  | acgatgcctt  | accataatta  | tggcagcaga  | cgttttccag  | 355320 |
| tcagcttccg  | caagttcggc  | agtgttggtga | tgttctgcat  | catgtgctcg  | gctgtggtct  | 355380 |
| atgtgctggg  | ttatggaaag  | gtactcgact  | ggtacgattc  | tccctccatc  | tgctgggcta  | 355440 |
| ctgctgtggc  | tgtggtgttt  | gccgcactgt  | ttgtttacat  | ggagcgtcag  | catcattcgc  | 355500 |
| cttacttcct  | gatggatatc  | ttcaagttgc  | gttccatccg  | tatcggcatc  | ctgcttttcc  | 355560 |
| tgtgctgat   | gattttcaac  | tccagcgcca  | tgtttgtaaa  | tgtgtttacg  | ggagtgggca  | 355620 |
| tgaagataga  | caactggcag  | aatgcgtcgc  | tgaacaactg  | gagcattgcc  | ggttatttca  | 355680 |
| tcgggtgtgt  | ggttgccatt  | gtcttgggga  | agaaaggcgt  | tcacttgaaa  | tatcttttct  | 355740 |
| cgttgggctt  | tgtactgac   | ggactttctg  | ctttgttcat  | gtatttcgag  | gtgcaaccgc  | 355800 |
| acggcttgta  | tgagcggatg  | aaatatcctg  | ttattatccg  | tgctaccgga  | atgatgctgc  | 355860 |
| tttattcgct  | gacggctgtg  | tatgccaaac  | agcggatgcc  | ttataaatat  | ctgtcgactt  | 355920 |
| ggattttgat  | catgctgacg  | gtacgtatgg  | tgctgggtcc  | cggagcagga  | acggctatct  | 355980 |
| ataccaatgt  | gatgcagcag  | cgccagcaac  | actatgtaac  | ccgctttgct  | cacgatattg  | 356040 |
| atgcgctgaa  | tccggaggtt  | gctgcttcgt  | acaaccagac  | ggttcagggg  | atgatgtatc  | 356100 |
| agggaaaaaag | tgagaaggat  | gcacagcaca  | tggcggctct  | ttcggctaaa  | gggcgtgtgc  | 356160 |
| aggtgcaggc  | tacgctttct  | gccgtaaagg  | agatgtcggg  | ctggactttc  | tacggctgca  | 356220 |
| tggcttgtgc  | cgtgctgatg  | gtcgtaatgc  | cgtggagaaa  | aagaaagctg  | gattttgctgc | 356280 |
| cggaaaaaac  | ttatacactc  | gttcattaat  | ttgctttata  | catcacgtgg  | gagtcgggtt  | 356340 |
| cattttcttaa | tctgtctttc  | ggaggaaaaa  | cacttttgaa  | acatttggtt  | ccccgtgatg  | 356400 |
| tattttttgt  | gttctcgttt  | cggtggtgaa  | aagaaaagg   | ttaccttagc  | ggtaagggtt  | 356460 |
| aacgaatcat  | ttatggctat  | ggaagcaagg  | gagcaggagg  | aacttttaaa  | gcgtttcgaa  | 356520 |
| cgggatttga  | ccggtggcaa  | ggatatttgt  | tgtctggaag  | gggagattac  | ttctttccct  | 356580 |
| tcggtgttgc  | aaaagccttt  | ccgatgaat   | tatgtgggac  | tggttgtttg  | ccggaagggc  | 356640 |
| agcttcggct  | tcgatgtgga  | caagcggcat  | tttacggcac  | aggcgggcga  | aacggtcttt  | 356700 |
| ttgtccgaag  | gaaatgattt  | ctgcgtaggg  | gaagtgtcgg  | aggattttgtg | tgtgagtatg  | 356760 |
| ttgttttacc  | gggtagatcc  | tatccgtgag  | atattgggca  | gctcggtcgt  | ggccatgtac  | 356820 |
| ttgtatacca  | cactgactcc  | cgaaccttgt  | tatgtgtgga  | cttcgggcga  | ggaggatgat  | 356880 |
| ctggcacatt  | atatttcggt  | gctgggaagg  | caccggaaaag | ggccacagaa  | tccgttcgat  | 356940 |
| aaccatgagt  | gcaaattgct  | gttgctggca  | ctgacttacc  | gcctgtgttc  | catttacagc  | 357000 |
| cggcggatga  | tagaagagaa  | aaatgtggcg  | ggacataaga  | ttgatacggt  | tatcaagctc  | 357060 |
| atccggctga  | tagaaaaata  | ttacatgcag  | gagaggggag  | tggcgtttta  | tgccgacaag  | 357120 |
| ttgtgccctt  | cgcccaagta  | tctttcggcc  | ttgtcgaaat  | cggctctcgg  | atatacgggtg | 357180 |
| caggaaactgg | tcttcagggc  | gattatccgg  | aagagtatct  | tctggctgaa  | gaatacaaac  | 357240 |
| aagagcgtgc  | aggagatttc  | cgatgagctg  | aattttccga  | atgcttcggt  | tttcgggtacg | 357300 |
| tttttcaaaa  | aacagacggg  | gcttgctcct  | tcgcactacc  | ggctttcggga | tgaggaataa  | 357360 |
| aggcggcttt  | ccggctggtg  | ttctgataat  | atttcatagt  | aggttacgga  | taggtgtcgt  | 357420 |



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|------------|-------------|------------|-------------|-------------|-------------|--------|
| ttggactggt | aaaatgcgtt  | aggactgtgt | ttggatatgc  | ccaaaggaga  | gtattgcaaa  | 357480 |
| cgctgccatg | agtttggaaa  | aacgtgggcg | gaaaccgaat  | gaaacgtggg  | cggaagtctg  | 357540 |
| ggaaaacgtc | tcgacgtttt  | tttagaattt | gtacaaatca  | tttttgtttt  | tgtacaaaaa  | 357600 |
| ataaaggcaa | gttgtccgtg  | tcttttccgt | cgtgtgcgga  | gagatacggg  | caacttgctt  | 357660 |
| gtcgtttgtg | accgactagg  | tgttttattc | ttgattcagt  | gcggcaagaa  | agctggcagc  | 357720 |
| tttctccagt | gtttccggct  | ttccgatgtc | aatcagggtga | atctgttcgg  | tcaggcatcc  | 357780 |
| gccgatacgg | gcttctccgc  | aggtctgcaa | gtagaaatcc  | atgatcggaa  | atttgccctt  | 357840 |
| ccagcgttcg | tccatgtatc  | ggaaaaggga | aggtgaaatc  | acatgtatgc  | cgctgaacgc  | 357900 |
| gtattcctga | tacagggtag  | catcgtagac | aaatccttcg  | ggtttggtct  | gtccgggtatc | 357960 |
| tttattgatc | catccccgca  | gacgtgcctg | atcgtcgaac  | agcaggtagc  | gggcggtgac  | 358020 |
| gcgcttgctt | gccagcagtg  | tcgcatcggt | tccgctgtgc  | agatggtatt  | cgtacagagc  | 358080 |
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| aaagaatggt | tccgcctttt  | tgatgcctcc | tcccgtgtcg  | agcagcaagt  | cgcggttcgtc | 358200 |
| gctgatgtga | atggtcagtc  | cgaagttctg | gttggctttc  | agaaagtcga  | tgatctgttc  | 358260 |
| tccgaaatga | tgtatattga  | tgaccagttc | gttgaatccc  | gcctttttca  | gtttcaggat  | 358320 |
| gacatgctcc | agcatcggtc  | gtccggcaac | gggcaccagc  | gctttcgggt  | gatggtcggt  | 358380 |
| cagcggtttc | aggcgagttc  | ccagtcccgc | tgcaaataatc | atagctttca  | taggcttatc  | 358440 |
| gggcttctaa | agtttggtca  | atatgttggt | cacggtgtat  | cagttggatg  | cgtacaccga  | 358500 |
| atttctcgtt | caggtgacgt  | gccacatggt | ctgctgagta  | tacagagcgg  | tgctgtcctc  | 358560 |
| cggtacagcc | aaaacagatg  | gaaaggttgg | tgaatcctct  | ttccagaaaag | cgctgtacat  | 358620 |
| gagcatcgac | gagtgcgtcc  | acgtgttcca | gaaaacgaag  | gatctcgccg  | tcctgttcca  | 358680 |
| agaagtcgat | gaccggcttg  | tcgctccgg  | tcagttgctt  | gtactgttcg  | tatttcccag  | 358740 |
| gattatgcac | ggcgcggcag  | tcgaatacat | acccgcctcc  | gtttcccgac  | ggatcttcgg  | 358800 |
| gaattccttt | cttatacga   | aaactcatta | cgcgacgggt  | cagtttccgt  | ctgttgcgta  | 358860 |
| cgctggcaaa | ctgaggaagt  | tcggtcagct | tgctgtagcac | aaggcacaga  | taaggatatt  | 358920 |
| cgggaaaatc | agtttccagc  | agctggcgga | gattctcgat  | ggcatagggc  | acgctttgta  | 358980 |
| tgaaatgtgc | cttcttttca  | aagtatccgc | ggaagccgta  | ggcacctaaa  | acctgcaagg  | 359040 |
| tgcggaacag | tacgaagtgg  | cggagagtgg | caagaaactg  | ctctttcccg  | atggcgtggt  | 359100 |
| aaggttgaag | tgcatacaaga | tactcgtcta | tcagctcctg  | ccgcagcgaa  | tcgggataat  | 359160 |
| ttgccttagc | ctgccacagg  | aacgaggcta | catcgtaata  | gaaagggtccc | ttgcgtcctc  | 359220 |
| cctgaaaatc | gatgaagtac  | ggtttccctt | ctcgtagcat  | gacattccgg  | ctctggaagt  | 359280 |
| cgcggtacat | gaatacctgc  | ggctgtatct | gtagcagtg   | gtctgccatg  | tgttcaaagt  | 359340 |
| cgctctccag | cagattttcc  | tgaactcca  | gtccggtggt  | cttgaggaaa  | caatacttga  | 359400 |
| aataattcag | gtcccacaaa  | atgctgcggc | ggttgaattc  | cgccagcggg  | tagcaatagc  | 359460 |
| tgaatccat  | gtcctggctt  | ccctcgaact | gtatcgatgg  | tagaaggcgg  | atggtttggt  | 359520 |
| tcaacatcgc | ttttcttcg   | gggctgaagc | agccgctttc  | ccgacctttc  | tcgataaact  | 359580 |
| ggaacaagga | agtatctccc  | aagtcgtctt | gcaagtaagc  | cgactgggtcg | gctgcctggg  | 359640 |
| caagcacacg | aggaacgggc  | agacctttct | gtgagaaatg  | tcctgccatg  | taaataaacg  | 359700 |
| cacgattctc | ttccgcggaa  | gtgccatata | ccccgatgag  | gctttctttt  | cctttcaggc  | 359760 |
| ggaagtattg | gcggtttgag  | ccggctcccg | gcagcgggtc  | gatgcttgcc  | ggagcttctc  | 359820 |
| ccgtatatga | ttgataaagt  | tgtgcaagta | attcgggtatt | cattgtatcg  | gttgttttaca | 359880 |
| taaataagcg | caaggacaaa  | gataggtata | aaaatgggat  | ataacggctc  | ttctgaaaac  | 359940 |
| taaaaatggc | acgccgatga  | gcggtaaact | catcagaacg  | tgccattcat  | tggataaat   | 360000 |
| gttatattgg | aagaatgtgt  | tgtttatttc | agatattttg  | aaatgaaatt  | aatacattcc  | 360060 |
| ggatccgacg | ggcgagggtc  | cttcgtggtg | ataatcttcc  | ctttcgtatc  | aatcagaata  | 360120 |
| aagcagggga | tgccggcgat  | accataaagg | tcggtaaagt  | caggacaaaag | atactgcgac  | 360180 |
| cattcaggct | tgctggcttt  | cagctttgca | ctccagtctt  | ttttcttccg  | gtcgacggaa  | 360240 |
| atgctgatcg | gtacgatgcg  | gttgtcacc  | ttaaaatgct  | gggcaagttt  | ttccatgtat  | 360300 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
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| ccgtacaggt  | cggagagctt  | gatgggtctt  | ccgtttatgt  | cttcaagctg  | gcagtcgatg  | 360420 |
| gcacgcgctc  | cgggtatcag  | tttcttggtt  | gcattgtaca  | tttgctctac  | ccattccttc  | 360480 |
| ttttgggtat  | ctttgatcat  | aggtaatgct  | ttctggcaga  | cagcttccag  | atcggaatca  | 360540 |
| cacgcgctga  | aataatctcc  | catgacttcc  | atgacgactt  | tttcctgtgt  | ttccggattg  | 360600 |
| gaaaccttgt  | tttgaaccac  | gtcgagcatg  | cgtacataag  | aagtaggacc  | gccttgtttg  | 360660 |
| acgcattctt  | ctttccatct  | tacataagca  | agagcctgtg  | tcgcatcatt  | catgtcgagt  | 360720 |
| gcttccatat  | atcgggtata  | gtcggcatca  | ctgtcgaaag  | gtttatttgc  | atcatacaac  | 360780 |
| tggttgatgt  | aatccaatgc  | tgcattgttt  | tgattttatt  | ttacatcttc  | cataaccaga  | 360840 |
| gcagcaaaact | ctttaggaga  | aatctttttg  | gctgcttggt  | cgatggagtc  | ggacatggct  | 360900 |
| tgcaagggtgc | gctgcatttc  | accgaaagac  | ggataggtag  | cggcacattt  | ctcgttgagt  | 360960 |
| accttgcaag  | tggtgtagta  | gaaattttca  | gcagcttcca  | gatcgccggt  | aaaagtaaat  | 361020 |
| ttgtcgggaa  | tattcggatt  | ggcttttagc  | tgggtctttg  | taccgttaat  | catgacaagt  | 361080 |
| gagtagaatg  | ccttgtcggg  | tacatacaga  | aatccaactt  | cggggttctc  | cattttacgg  | 361140 |
| gtataggaaa  | agcttccatt  | gggagcaatg  | cgtaccgtgt  | cggcattgga  | gatattgttg  | 361200 |
| gcaccatgac  | ctaccagtac  | atattctaag  | gaatcccctt  | cgaatgttcc  | ggtcagtttg  | 361260 |
| tagtcttgag  | gagttttggt  | acaagctccc  | agtaagagag  | ccgtgcatcc  | gattaaatag  | 361320 |
| agctttttca  | tttcaattaa  | taattttgag  | ttaatgatgg  | attatatctt  | gttgcatattg | 361380 |
| caggggaagg  | aagtaccac   | aaagggtgag  | cgggaccgat  | ggaatagggt  | ccgtattcgc  | 361440 |
| ctaaatcacg  | agtaatgaca  | cgtttgtatt  | tttcttccga  | attccagcgc  | ttgcagtcga  | 361500 |
| agaagttttc  | ataagtagct  | atgcattcta  | tccatttggc  | tttctgcaat  | aaggccatgg  | 361560 |
| cctcttcttc  | gcttagtgcc  | tgctggtcgt  | atagcgcaac  | gaatggttcg  | tagttttcta  | 361620 |
| cacgtttggc  | acgtaccggg  | tctaccagtt  | ccagtccttt  | acggatttct  | ccggtacgga  | 361680 |
| tataacattc  | tgcggcagtg  | tagcacatac  | ggtcggcatt  | gatgccatat  | tcattggccg  | 361740 |
| atgtactcca  | tcccataatac | agtttacaat  | tgctaattgcc | ggcaaacatt  | tgtccgtaca  | 361800 |
| tttcgctcca  | gcctccggcc  | gcgtcatagt  | tgtttacgta  | atctccagct  | tcgaacatct  | 361860 |
| ggctcgtttc  | gggcgacagt  | gtttccatac  | aaggagctgc  | acgagtagat  | cctcgcatat  | 361920 |
| agacgtagtt  | tcccgggtgtg | tcatagggca  | acgaccaact  | caatgtttcc  | ttgatggtag  | 361980 |
| aacggtcttc  | gagtttgcta  | ttttgttcca  | aagccttttag | tgcataaggc  | aatgcttcat  | 362040 |
| cgtagcgttt  | catctgcatc  | agtactttgg  | cacgtacggc  | ataaccgaac  | gctttgtcgg  | 362100 |
| cacggaatac  | ccgggtggaa  | ttgttatccg  | acagtagttc  | aataacgtca  | tcggaacaat  | 362160 |
| cttgcagaat  | gcgctgataa  | gtttcttcca  | gactaagttt  | ggttttttgt  | tccgaaacgt  | 362220 |
| cagggttgtc  | tacgtaagcg  | ataccctt    | tttcggcagc  | cgtagctgca  | tcatactgct  | 362280 |
| gtgcatggat  | atttaccagc  | agccagtggg  | aataggcccg  | gaagatacgg  | gcttctgcc   | 362340 |
| taagaggtgc  | cttacgactc  | tcacgtctctg | tagcgtcagg  | cattttatcc  | aacaggatat  | 362400 |
| tcatgtagtt  | gatatacttg  | tagagggctt  | cataacgcgt  | atcctgattg  | gtcagtttg   | 362460 |
| ctctgtcagc  | ttgttcgtcg  | tacgtaagat  | aggcatggtt  | caggggtattg | ttttgcgata  | 362520 |
| actcattggg  | gatagaaagc  | ataaagccca  | acgattcgtt  | acaaataagt  | cccaaactcg  | 362580 |
| taaccggaga  | ggagttcaac  | tcccattcct  | ggttcagcag  | taactccagg  | tcggagacac  | 362640 |
| tttccaaggt  | tgtttttcct  | ttgggaacga  | tgtccagttt  | attgtcgcag  | gttgtacaca  | 362700 |
| gcagcagtaa  | tgctatgcaa  | ccaatgatga  | ttctgattgt  | tttcattgtc  | gtatctcact  | 362760 |
| tttaaagatt  | gatataataa  | ctcatgggtat | agctgcgtgg  | tgtcttgtcg  | gttgtctgtc  | 362820 |
| cgctgatggc  | tatattggct  | tccggatcga  | ctcccaagtc  | attccgtacc  | cacgtagctg  | 362880 |
| cgttgttcat  | ttgcacacgc  | aggcgcagtt  | cgtttaactcc | cagtttcttg  | cagattttgc  | 362940 |
| ggttgaagtt  | atatcccact  | acaacgttac  | gtaattttta  | atagtcggca  | ggtactacat  | 363000 |
| tggcatccat  | ataataagaa  | tacaatccgc  | ctactacgtt  | ttgtcccaga  | taaccgttg   | 363060 |
| ccgggtaaaag | ggtcttgtct  | gcacttctcc  | agtagttaag  | ataacttttg  | ggaacggcgc  | 363120 |
| tgatgctgtt  | gaagttggaa  | taaccgtact  | gacttccttc  | aacgggtccag | tcttcggcac  | 363180 |

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|             |            |            |             |             |             |        |
|-------------|------------|------------|-------------|-------------|-------------|--------|
| gggcacgcat  | atagtgtcct | ccgtagtaag | caaacatggc  | cgaaggctg   | aagcctttgt  | 363240 |
| aggtgagctc  | gggggtgaag | ctggctacat | acttaggatc  | cagactacca  | cagtaaaccg  | 363300 |
| catcttctac  | tttaaattct | tctgaataaa | tttcggaagt  | gtgtatctga  | cctttggaat  | 363360 |
| cgtaccatcc  | gaagtattgc | agattgtctt | tgtttatcat  | acccgcatat  | cggtaagaaa  | 363420 |
| aaatggaatg  | tatcggataa | ccttcgtgga | aagtatacgt  | actcagggca  | tcaaattccg  | 363480 |
| taggcggagt  | cttggtgata | tgagttactt | tgttggtgtt  | ataggcaatg  | ttgaatgacg  | 363540 |
| cattgatacc  | taatccgttg | tgtgaagccg | gttttaggat  | aattccgttc  | agttgtaatt  | 363600 |
| caatacctgt  | gttcaaggcg | cctccattat | tgattgtcag  | ctgtgaccat  | ccggtggtcg  | 363660 |
| gatcgaggtc  | ggtgacagtc | agcaagtcgc | ttccttcctt  | gcgataccag  | tcgaaagaac  | 363720 |
| cactcagtcg  | gttacgccag | aatgagaagt | cgactccaat  | gttccacgta  | gctgtctttt  | 363780 |
| cccagcgcaa  | ctgatcgta  | ggcggagtat | tcagggtggc  | atattttatta | ccgttcagtt  | 363840 |
| cgttggaacc  | gatggttgct | gtaaggtaag | aagaaacagt  | ctggtcgatg  | ttacctgtca  | 363900 |
| atccgtagct  | ggcacggagt | ttcaaggcat | ccaccaagt   | ataatttttc  | ataaattctt  | 363960 |
| cgttgtgcat  | gttccagctc | aaaccgacag | accataacgg  | acgtccgchg  | aatttcggat  | 364020 |
| cggcaccaaaa | caaatcggtc | ttatctacac | ggtaagagaa  | agaagcgctg  | taacgtcggg  | 364080 |
| cgtagatata  | atttccagta | aagtatagtg | aatagaatcg  | gtgcagcacg  | tcggtttag   | 364140 |
| taaagtctgt  | tccagtagga | gcgccataca | tatagtagtt  | gggtcctaaa  | gccgaaacac  | 364200 |
| cgctttgaat  | gttttgagtc | tcaccatagt | ttaccagtcc  | gttgctgttg  | gtttgtgtct  | 364260 |
| gttcatcgta  | tcccagtaac | agattgctgc | ctgtgtatgt  | ctgcgattcg  | cgggtattcga | 364320 |
| atccggccgc  | agcggtcact | tcgtgcttgt | cggcaaagac  | tttggttag   | tcggtctgtg  | 364380 |
| ctcggaaagt  | atagtaggcc | ccttcggatg | tttggtgata  | cagacggcca  | ccgtcgggaa  | 364440 |
| tgtaatgctt  | gacgacttta | ttggttacca | tttctcccg   | atcccagctt  | tcttcggtca  | 364500 |
| ccagctcttc  | tgttggttag | agattgtaca | ggttacgcat  | ggtatacgaa  | tttccttcat  | 364560 |
| aatatgaatt  | acttttatag | gtgatgtctt | cgtattggaa  | ctgggcactt  | actttccatc  | 364620 |
| cgggaaggat  | attggcattg | gcatgaacga | acgaacggat  | gttggtacgg  | cgtgtgttct  | 364680 |
| ggaaattcat  | gttcagttcg | tccagtaagt | tatacgttac  | aggcttgaat  | ccataaagag  | 364740 |
| aattgttcag  | agattcttct | cctaaccacg | tatctgtctc  | catacctttg  | cgagtaccgt  | 364800 |
| cttcattata  | catgctttga | tagggaagaa | acgagttgat  | atcggtgtgt  | gcactcactc  | 364860 |
| cacttagatg  | tgtcttgga  | cgttcattga | ttacattggt  | accgaatgcc  | agattgagcc  | 364920 |
| atttggttgc  | tttcaaattc | cctcggtaac | tgaatgttag  | tgcctgattg  | ttttcgaata  | 364980 |
| cggttccgtt  | attatctctt | ttatagttta | cgacaatgct  | ggagctcaat  | atttttcctt  | 365040 |
| tggtagcga   | tgccaggta  | tactgttgta | gaacttggtt  | gcgcttcatt  | gcgtcctgcc  | 365100 |
| attctttccg  | gtaatcggtc | tggctgaggc | gtgccagttg  | gctgttcaaa  | tcctgatcgc  | 365160 |
| tcaacttgcc  | ctgataattt | tcaacaaaca | tacggctgat  | ggggctcaat  | gcgagaggat  | 365220 |
| tggattgata  | tttggtcagc | aggtctgtaa | aggcagactg  | gtcatccatt  | tgacggatat  | 365280 |
| agtcgaagt   | atacttttcc | agttcgatca | tttcggcagc  | attcgcccat  | tggttaattgc | 365340 |
| tgtaatcttg  | cttttcgctg | atggtgatat | cgctgctgaa  | atcaacatcc  | agttttgtcat | 365400 |
| cctgcgcacg  | tttggtcgta | atgacgatga | caccgttgga  | ggcgcgtgct  | ccatagatag  | 365460 |
| aggcggccga  | agcatccttt | aggatagtga | cattttctat  | gtcgttaagga | ttcacgcttt  | 365520 |
| cgatggaacc  | ttcgatagga | agtccgtcga | ctacaaccag  | cgggctggtt  | ttggcttgga  | 365580 |
| aggatccggc  | acctcgaatc | agcagagaag | cttctccctt  | atcgttcaaa  | ccagtattat  | 365640 |
| agcttaccag  | tccgggaatt | ttaccttcca | gattgcttac  | gatcgtaccc  | gaataacggg  | 365700 |
| tctccatata  | tttggaagta | atcatctgat | aggaaacctg  | ggcgttttct  | cgtttcagggt | 365760 |
| tctgataacc  | ggttaccagt | acttcatcca | ttattttctac | atcgctttcc  | atacggatga  | 365820 |
| ggaagaagt   | tcctttttgt | gaattaatgc | ggatatgttg  | ttccttcatg  | ccgatatagc  | 365880 |
| tgacccgcag  | aacaggatct | tttcatttga | ccaatagtga  | gaatgctccg  | tcggcatctg  | 365940 |
| ttatcgtccc  | gatattagtc | cctgtcagca | taatgttgac  | tcctaatagc  | ggctctttgt  | 366000 |
| tttcatcgca  | tactacacct | gtaatcagct | ttttctctcc  | ttggtctttc  | ttgtttctct  | 366060 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| ttttcagaat  | gacgggtcttt | tctacaactt  | cataatcgag | tcctgcctta  | tcccaaaaaa  | 366120 |
| tctgggtcaag | gatttgaata  | agattcagat  | ccttaccgt  | aaatgtgatg  | ggtggtacat  | 366180 |
| ttgccaaaat  | ttgttttttg  | cacataaatt  | catatccggt | ctttcctctc  | aagtcggaaa  | 366240 |
| tgactcgttc  | tatgggttgt  | cctttatagg  | acacactgta | actttgcgca  | tgagcagcaa  | 366300 |
| gaggctgtaa  | cagccagccg  | acgcaaagta  | taaaaaataa | aattaatccc  | tttttcataa  | 366360 |
| acaatctaag  | ttttatatat  | gaacatgcta  | tggtttcttt | tcctgtgaaa  | tgatgacagt  | 366420 |
| gctgccttct  | aaatgaaatt  | caattcctcc  | acttttcttc | agaagggtta  | aagtagaggg  | 366480 |
| aaagtcattg  | taacgaggaa  | tgctgccc    | gaattctatc | tggcgcaggc  | tttcatcttg  | 366540 |
| gaacttataa  | tcgaaattat  | accagcggct  | caaatcgcac | atgatttggt  | ccagattctg  | 366600 |
| tccttcgaaa  | acgaaacggc  | ctcgcttcca  | gcttgtaact | acagcagtg   | cgaccgggtg  | 366660 |
| tacgaatgtc  | gttgctttct  | gcttgctgaa  | taaggcctgg | tggccggggg  | taagcagcag  | 366720 |
| ttctccactc  | ttttcgtgca  | acttactcaa  | ggcaatgctc | ccttcaatca  | gggttggtata | 366780 |
| cacctgtttg  | tcttcggtat  | aagaacggat  | attgaattct | gttccgtaaa  | ctcgtacttg  | 366840 |
| ctgtccgtct  | gtttctacgt  | aaaacggctg  | tttggggctc | ttggttactt  | tgaaataagc  | 366900 |
| ttctccttcc  | acgataaccc  | gtcgttcatt  | ctgtgcaaat | gattcggggg  | aaatcagttt  | 366960 |
| ggtctcagag  | ttcagccata  | ccttctgtact | gtcttccaaa | acgaccttga  | attcaccgcc  | 367020 |
| tcgaggtact  | tccagactca  | gttgtttgag  | cttagataca | gcctgggcaa  | gtgattgctg  | 367080 |
| ttttcccaaa  | gtttgcaggt  | tgctttgagc  | gtcttctcct | aactgtactt  | tttctccgtc  | 367140 |
| ggctagtgtc  | agtgtagcct  | ggcgggttcc  | aggcttgata | tctgccagtg  | ctaaagtttg  | 367200 |
| ctgtacatgg  | tcggattttg  | cattgtcggg  | agagttcatc | tggaaacgga  | cgaatcctat  | 367260 |
| gcaaaagagt  | aaagcaacag  | aggctgcggc  | aatccagggt | ttccactgaa  | tggaaaagtt  | 367320 |
| atgtgaggcc  | ttttctttaa  | tccgtctttg  | catatcttcc | atcggacgtt  | gaacattcat  | 367380 |
| catttttctg  | cgatgatatt  | ctttttccag  | atagcaagta | tccatcagtc  | gggaataaag  | 367440 |
| acgttcggtg  | gcttcatttt  | cctttctcca  | gttgcttact | acttgttgct  | cttcttccgt  | 367500 |
| gatatttccg  | gttatgcatt  | tgaagagtag  | gatgctgatt | ctttctttct  | tttcgtcaat  | 367560 |
| cattatgagg  | attatttttt  | atcagaccat  | cgtttgaacg | ttatagcaat  | tcttattcgg  | 367620 |
| attattataa  | gttggaatca  | atggtttcaa  | taattttttc | gtcagaagga  | cggagagcat  | 367680 |
| ctgcatttaa  | aatcttgcca  | tccttgctga  | tcagtataaa | tcgtggaatg  | ccgttgatcg  | 367740 |
| cccatttttg  | catgaacttg  | ttttgttctt  | cttgcgaaag | aatgtattgt  | ggccatgcgg  | 367800 |
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| tgatgcatac  | tttatcatta  | ccttgatagt  | gggctgccag | ctttgccaga  | gaaggaattt  | 367920 |
| ccttgcagca  | agggccgcac  | cagggtgccc  | agacatcgat | gtaaatcagt  | ttcccgaaca  | 367980 |
| ggtcggacaa  | gctacaagtc  | gttccgtccg  | ggcgtgtcaa | ggtaggaata  | taagggatct  | 368040 |
| cggaaacctt  | tttcgtcttt  | aataaggctg  | tcacttgtgg | ttcgtgaagac | gtaatgagtt  | 368100 |
| gaggatagtc  | tttcgcaaac  | tccttgaaag  | cagtccagaa | tttgttgaca  | tcgctgttct  | 368160 |
| gagcaacgaa  | agagaagaag  | ttgtaggcta  | cagaattagt | caatacaaaa  | cgtatatccg  | 368220 |
| gattgggtgat | ttgcttccc   | atgatattca  | gactttccag | ataataatca  | gactggctcg  | 368280 |
| cagtatagtc  | tgttatgggc  | tcctgttgcg  | atgatagcca | tgctatagtg  | aggttggtcg  | 368340 |
| gaatattaat  | cgtatcattg  | gggtcgatac  | ttgcgataag | tttattatac  | tcaggatatt  | 368400 |
| ctttgagttt  | tttgcttgta  | ttttcactat  | cgtccatcag | aatgcggata  | tatgtccatt  | 368460 |
| tatacattcc  | gtccgagagt  | ttggcataat  | attcacgttg | tttatcattt  | ttgatgattt  | 368520 |
| tcaattgttt  | cttcagggtc  | gcatattcct  | tttccaataa | ggaaatata   | tcacggttg   | 368580 |
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| cattatagaa  | tttgcttaag  | ttttgattgt  | cgcttccgaa | ggatatttga  | aattttcctt  | 368700 |
| ctttgtcctg  | ttctattttt  | acttgggcgg  | tctttcctgt | ttccagatga  | acaccaaaaa  | 368760 |
| tgctattgtt  | tacatagatt  | gagacatcat  | aattagggtt | aggcaattgc  | gtgtcgaagg  | 368820 |
| taaaactgcc  | gtcagcttca  | cacgtgatgt  | cccggtagac | attgcttagt  | acatccccgt  | 368880 |
| tcagtgaata  | agctattttg  | agtgtttcta  | ctttttgagg | agctttgagt  | acacctttta  | 368940 |

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| aataacttcat | ttttttcata  | attcttctat | ttatctacga | tattgtaatg  | caaatacgca  | 369060 |
| aaaagggtgtt | tttagtatac  | atgaaaatgc | gattttttta | tcttttcgtt  | tagaaaaaaa  | 369120 |
| taaaaacaag  | aagattcttt  | gagtctacag | tctttggttt | ttactatatt  | tgcttttaaa  | 369180 |
| aaagaagtat  | gaacatttac  | gaatacatat | ttacagagtt | taaaaaggga  | gaacttcttc  | 369240 |
| ctttttatca  | aaatatgtat  | ccagaattac | ttgcttatgc | tactcgtctg  | ttaggagttg  | 369300 |
| aatttgcttt  | tcaggcagaa  | gactgcgtgc | aagatgctat | ttttaaggca  | tatcagcaaa  | 369360 |
| cgaagacgtt  | tacttctcct  | ttacagtggg | aaatttttct | gtacacgtgc  | ttgcgcaatg  | 369420 |
| aggccataag  | cgtacttcgt  | aagggaagaa | ctcaaagaaa | ttatctttct  | caaacggaag  | 369480 |
| tggaatggcac | tgaagatttg  | tcattggatt | ttatagagca | ggaaaccatt  | acattacttt  | 369540 |
| acgaagcaat  | caatacttta  | cctgaaaagt | ataggactat | ttttgaattg  | agttttgaaa  | 369600 |
| agggactgaa  | aaatgcagaa  | atagctcaac | agcttcatgt | tgcagaaata  | acagtaaaaa  | 369660 |
| aacaaaagg   | acgtcttatc  | gagttacttc | gcgaaaagtt | gaaaggggag  | atggatgagg  | 369720 |
| cttctttggg  | attgctttta  | tatctgttgg | agaatcaatt | ctagttttca  | tcgctctttg  | 369780 |
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| aaaagggtccg | aacagaaaact | gctcagacct | tggtagccc  | tgggggaatc  | gaacccccct  | 369960 |
| ttcaagaatg  | aaaatcttgc  | gtcctaaccg | atagacgaac | gggccatcct  | ttacatcgga  | 370020 |
| ttaaccgtat  | gttttatttt  | ggtagcccgt | gggggaatcg | aacccccctt  | tcaagaatga  | 370080 |
| aaatcttgcg  | tcctaaccga  | tagacgaacg | ggccatcctt | tgtttggtgt  | gaggtgtttc  | 370140 |
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| atacagaaaa  | aggcatattt  | ttttcatttt | tccccttctt | atgagaggga  | aaagtggaaa  | 370260 |
| actgctttgt  | gcagggtgacg | ttttagaaat | tagaggctct | ctggatcggc  | agtttctttc  | 370320 |
| agcctgtttt  | cccagaggta  | cttctgcgtt | tctttcacgg | ctactccaga  | taaaaacagc  | 370380 |
| aatgaaatca  | ggttcggtac  | tgccatcagt | gcgtttacac | tatcggctat  | gttccatact  | 370440 |
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| agaatggtag  | aaaaggcgaa  | agtcagtatt | ccgattgcca | gaatgctggt  | gcctacatag  | 370620 |
| ggaattttac  | cgaaggctgc  | tttagtcagt | gcaccgcctt | gcgtgtaatc  | gatatacggg  | 370680 |
| aatgcgagta  | cactggtaac  | cagtaccagt | cccgtgagcg | cacaaatgat  | gacggtgtcc  | 370740 |
| cagaatgttc  | cggtagaaga  | aaccagtgcc | tgacgtacgg | ggttacgggt  | ttgtgctgcc  | 370800 |
| gctgccacga  | tgggagccga  | accaagtccg | gactcgttgg | agaaaagtcc  | gcgggcgata  | 370860 |
| ccgtaacgtg  | ctgcgagcat  | cacgcttggt | cctaagaatc | ctccacctgc  | cgcatggggc  | 370920 |
| gtaaatgccg  | aactgatgat  | gagtttaagg | gcttctccca | gataggcatg  | atttagaaaa  | 370980 |
| agaatataga  | tgcaaccacc  | tatgtagagg | atagccatga | gaggtaccag  | tgtcatacat  | 371040 |
| acgcggggca  | tgctttttac  | accgaagaag | atgaccagtg | cgatacccag  | tgcaactact  | 371100 |
| attccggtaa  | ggtgtgcgct  | tatgccgtaa | gtttcctgca | ttagcaaagc  | tatggaattg  | 371160 |
| gcctgtaccg  | tacttccgat  | accgaatgct | gccagagccg | taaagatgca  | gaataaaaatt | 371220 |
| cccagccatt  | tctgtttcaa  | tccccgttcc | agggcataca | tcggaccgcc  | gagcatttct  | 371280 |
| ccgctggccg  | ttttaacacg  | atacttgatg | gcgagcaatc | cttcggcata  | tttggtggca  | 371340 |
| atgccgaaaa  | ctcccgtcag  | ccagcaccag | aatacggcgc | cgggacctcc  | gaatgctacg  | 371400 |
| gcagtagcta  | caccgatgat  | gttccctgtt | ccgatggttg | ctgccagcga  | agtagcgagt  | 371460 |
| gcgccgaact  | gactcacgtc  | accttcagaa | tcaggatcct | ttttaaatga  | aagtcgtata  | 371520 |
| gctgtaaata  | ttttgcgttg  | tggaaacttt | aaacgtatgg | tcagaaaagat | atgcgttccc  | 371580 |
| agcagtaata  | tgatcatcgg  | ccagccccaa | agaaaggagc | tgaccgatgc  | tgttatctgt  | 371640 |
| tcgaataatt  | ccatgtacgt  | agtaagtagt | aattgttaag | gttgcatgtt  | ctctacctca  | 371700 |
| tccaagctct  | ttgctatatc  | ttggtctgtc | aaagtatagt | tagtcagggt  | acccgacaag  | 371760 |
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| gtgtccagtt  | gctctatatc  | gacagcctcc | atcagatgat | ctttcattaa  | ctgtgaaacg | 372000 |
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| tgtcctaagg  | tgaacatcgg  | aaggagagga | gtgtatcctg | cttcatcacc  | aaagtcgtat | 372120 |
| tcaaactttc  | ctcttgtcag  | tttcgggcag | gaagctgggt | cggcagctat  | ataacgagtc | 372180 |
| tttttgccct  | ccagaatggg  | atggcgcatg | aacgggaaac | tgatacctcc  | gaagtttgaa | 372240 |
| cctccaccga  | agcatccgat  | gatgatatca | ggatattcac | ctgccatttt  | catctgcttt | 372300 |
| tcagcttcca  | agccgatgat  | ggtctgatga | agcgtgacat | gactcagtac  | agaaccaaat | 372360 |
| gtgtatttac  | agttcggggg  | agtgcgagcc | agttcgattg | cctcagaaat  | ggcagtagcc | 372420 |
| agtgatccct  | gatgattcgg  | atacttggtc | aatatgtttt | ttccggcgcg  | tgtagacata | 372480 |
| gaagggtgaag | gagttacctg  | tgccccgaat | gtctgcatga | tgctgcgtcg  | gtaaggcttt | 372540 |
| tgttcgtagc  | tgattttaac  | ctgataaacg | gctgcctcca | gtccgaagac  | ctttgctgcg | 372600 |
| tatgcgagag  | cagctcccca  | ttgtccggct | ccggtttctg | tcgtaatgtt  | ggttactccc | 372660 |
| tccttcttgc  | agtagtaagc  | ctgcgccagt | gccgagttca | gtttatgcga  | accgatgggg | 372720 |
| ctgacacttt  | cgtttttgaa  | ataaatatgt | gccggagtag | ccagagcttt  | ttccagacca | 372780 |
| taggcacgga  | ccagcggagt  | gcttcggtag | tatttgtaca | tttcgcgaac  | ttcttccggt | 372840 |
| atttcgatcc  | atgtatccgt  | ctgattaagt | tcctgatgac | acagttcctt  | ggcgaagata | 372900 |
| ggatataaat  | cttctgggtt  | aagcggttcg | tgagtggccg | gattcagcgg  | tggcatgggt | 372960 |
| ttattcttca  | tgtctgcctg  | aatattgtac | cagtatcttg | gaatttcata  | ttccggtaaa | 373020 |
| atgaatcttt  | tctgtttatt  | gctcataatt | gttttctttt | tgattgattt  | tccaaaaata | 373080 |
| gctaaaaata  | tgtaatatgt  | caatcgtttt | tgctttttat | ttgttatttt  | gatgtttttg | 373140 |
| cagcgaaaaa  | gtatacacia  | agttcgtttg | aacattatca | gcctatatata | tgttttttat | 373200 |
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| acaaactgtc  | tttaataata  | aaacgattgg | atatggattc | ttgggaaaga  | cttttactct | 373320 |
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| ggataggcat  | tttggtgctg  | tattcgttgt | tacagttatc | cagcagcttg  | gtgcgtttgc | 373740 |
| tgggcaggcg  | aaccaatcct  | tactcatct  | tagcttccag | ctttttggtc  | atcatcttta | 373800 |
| tcggtgccgg  | attgctgatg  | ttgccccggg | ctacctgcca | cggatatttcg | tggatagatg | 373860 |
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| ctacctttac  | actggaggga  | cagattatca | ttattctgct | gattcagata  | ggagggttgg | 373980 |
| gagtcagac   | gctgacgagt  | ttctttgcca | tgttcttcat | gggaaatact  | tcgctgtaca | 374040 |
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| tattatatata | attagggttt  | accttggtta | tcgagggaat | cgggatggta  | gtcatctggt | 374160 |
| tttctattca  | cgatacctta  | ggaatgacat | tgcaggagga | actttatttt  | gcggctttcc | 374220 |
| attcgggtttc | ggcattttgt  | aatgccggat | tctctacctt | gccgggcaac  | ttaggcaatc | 374280 |
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| gaggaatcgg  | ttttccgata  | ttggtcaatc | tgaagaaac  | gctgttctac  | tatctgcgtt | 374400 |
| acttgaagtg  | gttctgtttg  | gggcgtcttt | ctcgttttcc | aaagcaagta  | catctgtata | 374460 |
| atctgaatac  | gcgtatcgtg  | ttgattatga | cagctatttt | gctgggtttc  | ggtacactgg | 374520 |
| ccattgcgct  | ttacgaatgg  | aatcatgctt | ttgccgggat | gagcgtgacc  | gataagtggg | 374580 |
| tacatgcatt  | cttcaatgct  | acgtgtccgc | gtacagccgg | ctttaccagt  | gtgggactga | 374640 |
| caactttgtc  | tacacagacg  | ttgttgctga | tgattgctct | gatgataatc  | ggaggtggaa | 374700 |

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| gggcagttat  | ccggggagca | aaccgagtaa  | ctatcttcca  | tcgtgaactt | tcggacgact  | 374820 |
| ctatccggcg  | ctcgaatgcc | gtacttatgc  | tgtaccttat  | tcttttgttt | gcggtatatt  | 374880 |
| ttgttatgag  | tctgttggag | cctgaggcat  | cggtcatggc  | gcttaccttt | gaatgtgtat  | 374940 |
| cggctttgag  | cacggtaggt | tcgagcctcg  | accttactcc  | tgtactgagc | accgcaggga  | 375000 |
| agtcggttat  | catcctgctg | atgttcatcg  | gtcgtgtggg  | agcctttacg | ctattgctgg  | 375060 |
| gactggttaa  | gcaggtgaag | aagcgtaatt  | acaaatatcc  | gagtgataat | attataataa  | 375120 |
| actgagattg  | ctatgaaata | tatcgtaata  | ggactgggaa  | actacggcgg | gatacttgcc  | 375180 |
| gaagagctta  | ccgtattggg | gcatgaagta  | ataggggtag  | atgtgaaaga | gcatcatgta  | 375240 |
| gaacggctga  | aagacaagat | tgctacggca  | tttgtactag  | atgccaccga | tgagatggcc  | 375300 |
| ttgtcggtag  | ttcctctgaa | gagtgtggat  | gtggctcattg | tagccattgg | cgaagatctg  | 375360 |
| ggagcttccg  | tgcgggtggt | ttcgctgttg  | aagaaaaaca  | aggtgaagca | catttacgcc  | 375420 |
| cgggcgctcg  | atgatgtgca | taaaacggtg  | ctcgaggctt  | tttccatcga | ccgtattctt  | 375480 |
| acgccggaac  | aagaagctgc | ccgtatgcta  | gtacagttgc  | tggaactgaa | tgctgctgta  | 375540 |
| gaacctttcc  | agatagacga | agaacattat  | gtgttttaaat | tcaatgttcc | ggaaaaactg  | 375600 |
| gtaggatatg  | gcatcaacga | gttgacgttg  | gaaaaggaat  | tcgacttgaa | aatcattttca | 375660 |
| ttgatacgtg  | gaaagaaggc | acagaactgt  | ctgggcattt  | ccatcttgga | acgggaagtt  | 375720 |
| gctaataaat  | tcctgaaga  | ttatgtcatt  | caagccgaag  | atgcactggg | ttgctacgga  | 375780 |
| ctctatgcca  | attttatgaa | attctggaaa  | tcgattcgct  | gagaaacggt | gctgctgcac  | 375840 |
| tacattcctc  | aacgtatggt | tcgcttggtt  | aatgcctgct  | gatagcggcg | ggcattggct  | 375900 |
| agatgctcgt  | tccagttctt | tgcaaaatta  | tgtgttcccg  | aaaaatcttc | cttggcacac  | 375960 |
| atgtaaagat  | agtcgtgctg | cacatagttc  | aatacacttt  | ccagtccgtc | gatggagggg  | 376020 |
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| gggtcagcct  | gtaagggcat | acctgtatgc  | agacggttga  | tataaagacc | tgctaccatc  | 376200 |
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| gcgctgtcgg  | tcagtagttt | ggcaatggaa  | gccgagtctg  | tcatcagtcg | gcgggatacc  | 376500 |
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| ttatcgatgt  | aaagataagt | tgccctttct  | attttcagtg  | gggtgctaaa | tagtaagaac  | 376800 |
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| ctggatggca  | cgttttactg | gacgagcacc  | gaactccgga  | tcgtatccgg | cagtagcgat  | 377160 |
| aaagtcaatg  | gcctgatcac | tcactctggag | tgttacacca  | ttttcttcca | gcatcttctt  | 377220 |
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| gaagttcacc  | gtacgtccct | tgttatctgt  | cagacgtccg  | tcgtccaata | cctgcaacaa  | 377520 |
| gatgttgaat  | acatccggat | gtgccttctc  | gatttcatcg  | aacaagacaa | ccgagtacgg  | 377580 |

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| acgcttatgc  | agctcgtctt | ccaggtggag  | caacttgctg | cgttcgcttt | gcagcatctt  | 377940 |
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| tacactttct  | attaagcaaa | cttcttgcca  | tcgccttaaa | atgttcgtta | tgtgcctaaa  | 379680 |
| tgtagtggtg  | ttagtatat  | ttactgcaat  | aatgtccgaa | tgcatatcaa | aatgtcagga  | 379740 |
| aagtttttat  | tatctttatc | gccataaact  | tagatatatg | gaaaagaaga | taccgtttgc  | 379800 |
| ccccattgtg  | atgctgatag | acgctaccta  | tctggataga | gtaggctgtg | atatgactgc  | 379860 |
| ccattttgct  | cctatcgtca | accgtgagtt  | acccaaagcc | gatttggcga | acctgctgga  | 379920 |
| gtgcctggct  | ttggatgcag | gcgtacagtt  | gggagagaat | gaagtgaag  | tgatttttat  | 379980 |
| ttatgaggcg  | ggagaagaga | aaatgaagtt  | ctgtactcct | tctttattaa | ataaggaact  | 380040 |
| tcataacatg  | gccttcaaga | gtcagctggg  | agaattctcc | ctgtatgcct | tccagccttc  | 380100 |
| cgatatggct  | acccgcgaag | acctgtttat  | cgagtcactt | cagctggcag | gtgaatcgaa  | 380160 |
| ggatgttcgc  | cgtttcatta | ttgtgcccga  | tgaagacgga | tacggtaagc | ggataggtga  | 380220 |
| ctatataaat  | aaggtggaag | ggaaggagag  | cattaccggt | ttcggcatga | atcctccagc  | 380280 |
| ctacgaaggc  | gattactcat | tcgaaatgtt  | gggatttccc | gttcttcagt | cgctgggaat  | 380340 |
| ccgtgcggag  | gaactataaa | tgtccgattt  | ccgtctgaaa | gtattctaca | gtgtggcgaa  | 380400 |
| aaacctgagc  | tttaccaaag | cttctcagga  | gttattcgtc | agccagccc  | ccattaccaa  | 380460 |



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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| gcacatacgc  | gagctggaga | gcttgtatca  | gacccgtttg | ttcaaccggc  | tgggaacaa   | 380520 |
| gatttcgctg  | accgagtcgg | gttatgtgct  | gctggagcat | tgcgaacgca  | ttctttccga  | 380580 |
| ataccgtaag  | ctggagtagc | acatgcactt  | gctgcacaat | gaatacaacg  | gtcagctccg  | 380640 |
| tctgggagcg  | agtaccacga | tagcccagta  | cgtgcttccc | ccatttcttg  | ccaggtttac  | 380700 |
| ggagaaatat  | ccaagatta  | ccgtttcgct  | catcgatacc | aattcgcgta  | acattgaaca  | 380760 |
| agcattgcag  | gaacacgata | ttgacttggg  | aatggtggaa | ggagttttcc  | gtctgcccga  | 380820 |
| cctgaaatac  | gaacctttcc | ttcacgacga  | actggttccg | gttgtctgtg  | cttcgtcgcc  | 380880 |
| actggctgcc  | aaagattcgc | tttccctcga  | cgagctgaga | gaagttcctc  | tggactttcg  | 380940 |
| cgaaaagggt  | tggggcacac | tcgatgccat  | cgaaatggct | ctttccgagc  | agggactgaa  | 381000 |
| actttcgtcg  | atgaatgtcc | gcttgcactt  | gggtagtacc | gaaagcatca  | agcagttttt  | 381060 |
| aagaaatagt  | tccacgatgg | gaatcatatc  | gttgacggcc | attctgcgtg  | agctgcgaga  | 381120 |
| cggagaattt  | aagataatcg | atgtaaaccg  | actgcaaatt | aagcggcatt  | tctgctttgt  | 381180 |
| gtatttacag  | ggacaggaag | aagcctcgtc  | taccaacttt | atgcgttttg  | tacagaatta  | 381240 |
| tttggaacc   | tgtagaatg  | caggcgatat  | catcggaag  | atgatggtat  | cacgctgaca  | 381300 |
| ccaacaggcc  | gatacataaa | aaagccccgg  | cgttctctct | atctgttttg  | agtagatgag  | 381360 |
| tagatgccgg  | ggcttgctgt | tgtaatattt  | attgttacat | gaaagcagga  | accagatatt  | 381420 |
| tagtaagcag  | ataaccgccg | cctaccagcc  | agatatacag | cagacctgcc  | agcaggaacg  | 381480 |
| gtttggcacc  | ggcctgtttg | aacttttcga  | tgctggatc  | tgtaccgaga  | gcagtcattg  | 381540 |
| ccatcgtcag  | catgaaggta | tcaatgtatt  | cgatagctcc | gttcagcggg  | atttctttta  | 381600 |
| cactgtctac  | gcccagaagg | tattgcagca  | gtgagttcag | acagataatt  | ccgataaatc  | 381660 |
| cgaatgcgaa  | ccaagggatg | gtgattttgc  | tcttttcagc | ttttccgcca  | ttgacactgc  | 381720 |
| tcttgcgttt  | tgccagtgcg | aagctcatga  | tgaccagcac | cgggtgcaagc | atcatgacac  | 381780 |
| ggatcatctt  | ggtaatggta | gcagttcctg  | caatgcccag | tgcattctatc | gggtccatgg  | 381840 |
| cattaccggc  | tccggctacg | tgtgccactt  | cgtgcagggt | acttcccgtg  | tagatagcta  | 381900 |
| cacccatgtt  | gtccagtccg | tccaaaattc  | ccgcacgata | cataatcggg  | tagaggaaca  | 381960 |
| tggaaattgt  | tccgaaaata | acgactgtag  | atacagcgat | agcagtcttg  | tgaccttcac  | 382020 |
| attttacgac  | tggctctgca | cccagaacag  | cagctgcacc | acagatagca  | ctacccttg   | 382080 |
| cagtcacag   | cgacgtatcc | ttgtccatct  | ttaaggcgcg | tcccagacag  | ataccagga   | 382140 |
| aaatgggtcc  | tgctacaatg | ataaggtcta  | ttataaccgc | aggtagtcct  | acagcagcca  | 382200 |
| cctgtgtcag  | agtcagtcgg | aaaccgtaca  | aaacgatacc | cgcacgcagg  | atctgttttg  | 382260 |
| tacagaactt  | gatacccgcc | acccaagttt  | cgggcaagtg | gtttctcagg  | ctgttggcat  | 382320 |
| acagcatacc  | taagatgata | cctacaatca  | gcggactgaa | agaaagactt  | tttacaacg   | 382380 |
| gaatttcggc  | aataaaaaag | gccgcaaattg | agaacaatgc | aatcagcaag  | ataccgtgga  | 382440 |
| tggtaatttc  | tctgtttcct | ttttcgaaca  | tcgtataata | attgttttagt | gattaatttc  | 382500 |
| tttttccgct  | gcaaaggtaa | gctattatat  | agtacaaacc | tattgaaaaa  | tatttatccg  | 382560 |
| ttataaccaa  | aggtataaac | ctgatacaaa  | cagttcagcc | ctttcgacct  | tttcgcctga  | 382620 |
| tgcgggttgg  | agcactctgg | cggaaaagga  | agaaaaggct | gtgataaata  | gaagaaaaga  | 382680 |
| ataagggctt  | cttccgaaat | tttgtaaaaa  | gatttttagg | ttttgtacaa  | aaacaaagaa  | 382740 |
| aattttgtaca | aattccgtcg | gaaacccgaa  | gagatttcgg | tgtatatattc | gaggtaaattg | 382800 |
| gtagacaagc  | tgcttatggt | ttattataac  | ctgcagaaca | gtgaaacgaa  | gaacggtagc  | 382860 |
| ctcatgtcta  | tcagtatgcc | gtggaaaatg  | gctatcgcca | tcattgtcctt | acccgaatag  | 382920 |
| cgggttatca  | taggtagcac | cacgtccatg  | gaattgactc | cggcagcaga  | gataggagcc  | 382980 |
| agcttgccga  | agtacttgca | cagcagcggc  | gttcccagca | aggccatcat  | ctcacggaag  | 383040 |
| atgttagaca  | gcagggcaat | cgtacccaat  | tccgtcgcca | gttgagagccc | gaggaaagggt | 383100 |
| tccttgaact  | gcgtgatcag | gatagacgag  | agcgagtagt | aggcaaatcc  | gctaccact   | 383160 |
| gccatgcagt  | cgaatatgct | ccagcgtgaa  | agcagtatgc | tggcaagtgc  | cgagaagagc  | 383220 |
| agcgtgccgc  | agacggtagc | cagaggaata  | agcagatatt | tcagtttcag  | atcagctatg  | 383280 |
| atgtgtttca  | gttccttgct | cgaaccgatg  | ctcagtccta | cttgtaacat  | cagagcatac  | 383340 |

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|            |             |            |            |             |             |        |
|------------|-------------|------------|------------|-------------|-------------|--------|
| aaaatgtaca | gcgtgaggtt  | gctttccttc | atgtcgagcg | ggagccattc  | agtcagtccc  | 383400 |
| agcagacagc | ctgccacaaa  | aaacagcagt | acgatgatac | ttcctttcat  | tgcttgccctc | 383460 |
| ctttcttgaa | aaacagtttc  | agcaccatcc | acgatgccag | aatgcttccg  | cagggttgccg | 383520 |
| aaacagccag | aatggcagcc  | tgacagccga | atgtagccag | attgttaatg  | attaattcgt  | 383580 |
| tcgatcctac | cgaaatacct  | aaaaggaaca | gcaacaggaa | aatggtaagc  | gaaatggtct  | 383640 |
| tttctgtctt | ttgcagaaag  | gcaatatttc | tgaacagata | tcccacagcg  | atacctgtca  | 383700 |
| acataaatcc | gataatagaa  | aacatatatt | acgcaattat | gaggttaaaa  | ctgattaagt  | 383760 |
| catccaagtt | tcaagccgcc  | agacgcggcg | acacctcata | gaaatccgct  | gaaccaatgg  | 383820 |
| atgtgtacga | cgcggttaacc | gctgcacacc | ggttcgtgca | acaggagctt  | aacgggagta  | 383880 |
| tgtgtcgctt | ttacattcat  | gggttattga | tgttttgatg | cggcaaaggt  | aatgctcttt  | 383940 |
| tgtatattta | ccaaattttt  | atgcaaaatt | acgaagaaag | tgccccgaga  | ttcgttacaa  | 384000 |
| gcaggatagc | atgacctgtg  | ttccagtcgg | ttcctgcctg | caacgcactt  | gcatgagtac  | 384060 |
| ctcatagacg | ggcaaaattg  | cctttaagag | gaagaacaga | tgctgccgga  | agctttccgt  | 384120 |
| tgccggttgt | tctgtcatag  | aaggataaat | ttcagaacca | ttcaagttac  | gatttcatcc  | 384180 |
| aatatccagt | catcacatta  | tcgcaaagag | tgacgcctgc | catccataat  | gccagggttg  | 384240 |
| ttatcgtcga | tttatttagt  | cctattgaaa | atattataat | aaaaagagta  | aaagcaaagt  | 384300 |
| ggtaaatgtg | acggtttttt  | ccagctttga | ttagaaaacg | tgtacgaaaa  | gatgcccgat  | 384360 |
| agcaataccc | atttatacaa  | aggtaagaaa | aatcgggatg | tatcaaaaat  | aaatgctgta  | 384420 |
| tatttgtaga | gaaaaaacag  | acattaacat | gatacgaaat | acattgttga  | cgcttgcaact | 384480 |
| gggaatgagt | ctcggcgtgc  | aggctcaaaa | gaatgtggaa | gcagcgtttc  | gttctccttt  | 384540 |
| cgattttccg | ttgttgctga  | gtgcaaactt | cggggagctg | cgtccgaatc  | attttcataa  | 384600 |
| cggactggat | attaagacac  | aaggggtgac | ggggaaaccg | attcatagta  | tagccgacgg  | 384660 |
| atatgtgtcg | cgcatcatgg  | tactgcacgg | cggatatggt | caggctatct  | ttgtaacgca  | 384720 |
| tccaaccgga | tatacgtcgg  | tgtacggaca | tgtagtatcg | ttcgctccga  | aagtaacagga | 384780 |
| gtatgtgcgg | gcataatcagt | acgaacacga | aacatttgta | tgcgacttgc  | atcccgaacc  | 384840 |
| gggacagctt | ccggttaaagg | cgggtgatgt | aatcgcttg  | agcggtaatg  | aaggggcttc  | 384900 |
| ggcaggaccg | cacctgcac   | tggaactccg | ccggaacgat | aatggggatt  | atgtagaccc  | 384960 |
| gatgccgttt | ttccgtcagt  | acctgaagga | taccaaggca | cctgtcggca  | gtctggtagg  | 385020 |
| aatttatccg | cttgacaggaa | agggagtggg | gaacggttct | tctacgaaaa  | agctggttgg  | 385080 |
| cgtgggagca | ttgaatcagc  | ggttcacggc | ttggggacag | atttatacag  | gaatcagtgc  | 385140 |
| gaaggattac | atggacggaa  | cgtccaattt | ctatggtggt | cattcggtta  | ccttgtagtg  | 385200 |
| cgactccgtg | aagggtgtca  | acagtactac | cgatgaggta | tcggccgatg  | aaaatcgtat  | 385260 |
| gataaacggt | tttacggatt  | atgatgaact | gatgcgtacc | cgcaggttga  | ttatgcgttc  | 385320 |
| gtataagttg | ccgggcaaca  | ggctgcgctt | gctggaaacg | ggtcccgaac  | gcggactggt  | 385380 |
| gacaatcgac | gaagagcgtg  | attatcattt | ctgctatgta | ttggaagata  | atttcggaaa  | 385440 |
| caaacggaaa | tataagttta  | cgctccgcgg | caagaagcag | gaaattcctc  | cttatacgcc  | 385500 |
| caaggcaaac | aagatgttgt  | actgggataa | gacaaatgtc | attcaggagc  | cgggcatgga  | 385560 |
| actggtagta | ccaaagggaa  | tggtatacga | taatactgaa | ttgcgaacga  | gggtgattgg  | 385620 |
| tgacagcagt | gatatttctt  | ttgattatgt | acttgatatc | ggtcgtaatc  | ctttgcatag  | 385680 |
| tttctgcgat | ttatctatcg  | gagtacgtca | tttgcttgta | gctgatacga  | cgaaatatta  | 385740 |
| tgttgttcag | aaagctggaa  | gatggagtgc | ttctgtagga | ggcaagtatc  | agaacggatg  | 385800 |
| ggtaaaggca | aaagtcagga  | cgttgggtac | ctttgctgtg | gcagtcgata  | cgggtggctcc | 385860 |
| acggataact | cctttgggac  | agggtagctg | gcgtaccact | cggaaacattc | gctttaagat  | 385920 |
| aaccgacggt | cagacgggca  | tacagagcta | taagggtgat | gtagatggta  | attttgtact  | 385980 |
| tttcggactg | aaaaaaggta  | ttcttgtcat | tcaggatccg | gggcggataa  | agaaagggtg  | 386040 |
| acctcataag | ctggaagtgg  | ttgtgaccga | caattgtggc | aatgaaacgc  | gaaaacaata  | 386100 |
| taaattttaa | atacctatga  | tgaaaaaact | aatgttggca | gtttgccttc  | tggcagctgt  | 386160 |
| atgtataaat | ggttgggcgt  | gtaccaattt | gattgtcggc | aagaaagcct  | ctgccgacgg  | 386220 |

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|             |             |            |            |             |             |        |
|-------------|-------------|------------|------------|-------------|-------------|--------|
| ttctgtaatc  | gtatcctatg  | cggccgattc | gtacggtttg | tatggctttt  | tgtgccatta  | 386280 |
| tccggcagct  | gttcatgcat  | cgggcgccat | gcgtgatatt | tatgaatggg  | acacgggcaa  | 386340 |
| gtatctggga  | cagattaagg  | aggctaaaca | gacatacaat | gtgataggaa  | acatgaatga  | 386400 |
| gtttcagggt  | actataggag  | aaacgacttt | cggaggctgt | ccggaattgg  | tagatacaac  | 386460 |
| cggagtgatg  | gattatggta  | gcttgattta | tgtggccttg | cagcgctctc  | gtacggcaaa  | 386520 |
| agaagctatc  | aaagtgatga  | ccgacctggg | aaaggagtat | ggttattaca  | gcagtgggtga | 386580 |
| gtcgtttacc  | atcgccgatc  | cgaatgaagc | gtggatcatg | gaaatgattg  | gtaagggccc  | 386640 |
| cggagtgaag  | ggtgccgtat  | gggtggctgt | ccgtattccg | gacgattgca  | ttgcggcgca  | 386700 |
| tgcaaaccag  | agtcgtattc  | ataagtttga | tatgaacgac | aaggataaatt | gtctgtattc  | 386760 |
| tccggacgtg  | atttcgtttg  | ctcgtgagaa | aggttacttt | gatggcgtaa  | acaaggactt  | 386820 |
| cagttttgca  | gatgcttact  | gtccgctcga | cttcagtggg | ctgcgtgctt  | gcgaggctcg  | 386880 |
| tgtatggagt  | tattataaca  | tggtcagcaa | agtgcagagt | caggcttata  | tgtcttatat  | 386940 |
| acaaggcgaa  | agcaaggagc  | cgatgccgct | ttatgtaaag | cccgaaccgt  | agatttctgt  | 387000 |
| tcgtgatatc  | cagcatgcga  | tgctgacca  | ttacgaaggt | actccgcttg  | atattaccaa  | 387060 |
| cgatctgggt  | gcaggagctt  | ttcatatgcc | ttatcgttta | tcgccgctga  | ctttcgaagt  | 387120 |
| agacggaaaag | acttattttca | atgagcgtcc | tatctctaca | cagcagagtg  | gattttgttt  | 387180 |
| tgctcgctcag | atgcgttcta  | ctatgcctga | tgcaatcggg | ggcgttcttt  | ggttcggact  | 387240 |
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| ttcttatgct  | gaagggtgaag | gcgattgcgt | gacattctct | tggaactctg  | ccttttggtg  | 387360 |
| ttataactgg  | gtggcagata  | tgatccgtcc | tcgttatagt | ctgatggctg  | acgatatgcg  | 387420 |
| tacggttcag  | aattcactcg  | aagatatgta | tgccaatgct | caggaagggt  | tggaaggtat  | 387480 |
| agctatgaaa  | ttgtatgcac  | aggatccgca | gaaagctaaa | gatttcttga  | ctaattatac  | 387540 |
| gggtatgact  | gctcagacag  | cagtagatag | ttggaaaaaa | ctgggtgagt  | ttctgattgt  | 387600 |
| ccgctataac  | gacggtgcgg  | taaaacgggt | gaagaatggt | aagattgttc  | gtccagaaac  | 387660 |
| aggaaattca  | gctcctctcg  | accgtccggg | ttatccgcaa | gaattcttga  | aggaaatagt  | 387720 |
| taaagctaca  | ggagatcggt  | atctggtgaa | ataatataga | cggaagggtc  | aggggtagag  | 387780 |
| ggtgaatgct  | atggttttga  | ttcgctgtga | acctttggct | ggactggtgc  | tgaaaggctg  | 387840 |
| cttttaagat  | tgcccctata  | aatagtata  | gtaaattcat | tatttatggg  | ggtattttgt  | 387900 |
| ttgtatctat  | tgcttacttt  | tgtaaagaaa | ggtttaagtt | tacaataaag  | ctataaataa  | 387960 |
| taaagccttt  | tcggatgtag  | gaaagtttga | agtgtgaaaa | tatattatac  | tataattcaa  | 388020 |
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| gcagggaac   | gcatgtggat  | gatggttcct | ttcccagatt | ttgattcaat  | cttaacgtga  | 388200 |
| gttcgaaata  | aattaaaaca  | tcgtgagttg | tccgtctttg | acaaaacaaa  | cgtcaatggc  | 388260 |
| gggcttcttt  | tcaaagaagc  | agtatgcagc | tatggcagag | agcaggttgg  | caataaagtt  | 388320 |
| attgaaggaa  | cgggtgtctg  | agtgttcaat | ctgggcgatg | ttcttttaact | cgtcattgac  | 388380 |
| tgtttcaatc  | aaagcacgtt  | ttctcagcag | gattttgtcc | gccacgttca  | tcaggagatt  | 388440 |
| cttcatgttg  | ttcttcactt  | tggttatcaa | ctgtatgccg | ttaaggaaca  | ggttctcgaa  | 388500 |
| cagggtttgc  | ccgacatacc  | ccttgtccgc | acagagtttc | cctttttatat | tcttcaggaa  | 388560 |
| ctttgtctgt  | ttcagcggtt  | cacggtcatc | cacatttccc | ggagtgaaca  | tgaaattgag  | 388620 |
| gatttcaccc  | ttatcgttga  | tgatcaggtg | aagcttaaac | ccgaagaacc  | atcccatgga  | 388680 |
| gcattttcca  | cgttcggcga  | gacccttaaa | agtcttgtga | atcaatatgc  | gttggttccg  | 388740 |
| gcatacacgc  | agcggggtgg  | aatccacaaa | gctgataccg | gtgcagggtac | ccaacaggac  | 388800 |
| ttccttgatg  | aaaatggtca  | gctgcaacag | gacttccttt | tccagttcca  | caaaacgggt  | 388860 |
| ataggacaca  | cgtctgggaa  | agagatgcgt | cagatgtttg | catacatatt  | ctttgtagta  | 388920 |
| atgcttgaaa  | catctgaagc  | ctcccagagt | gaacaggatc | aagatgacca  | tgatttccgc  | 388980 |
| atcactcatc  | cgggttcggct | tgttccgatg | cttatgatcc | ttttcttcaa  | ccatatattt  | 389040 |
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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| tttagactct  | gagaacatag  | tggtaatcgc  | ttaaagtgtta | tacttagaca  | ctataaat    | 389160 |
| aatgctttta  | tcgctatgtt  | cctaattttc  | aaactgataa  | ttttaatctt  | tatatcgaac  | 389220 |
| tcacgtaatc  | ttacattctc  | cctgtagttt  | gttgcttcgt  | tcctttatgg  | tctttaatcc  | 389280 |
| taatccggat  | gtcagtatgt  | tgggagtcga  | agaagtatca  | aaacctttgc  | cgctcgtctt  | 389340 |
| aacgagtata  | tctatctcgt  | tctgggcgta  | gctgacagtc  | agatacatgt  | tatgggcatt  | 389400 |
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| gatttccagg  | tccttttccct | tggtttccag  | ttcggcctcg  | aagccagcca  | gacgatcgtg  | 390060 |
| aaaactcttg  | tgctggattt  | tttgttctgt  | tttgtacgct  | tcaagggcaa  | gctggttagga | 390120 |
| attttgcgca  | tgatttcttt  | tggcttctac  | ttcagccatg  | gctaaaagcg  | atltggtgag  | 390180 |
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| attatattca  | ttgcttggtt  | gctttttgta  | actgatggct  | ttttggtaat  | agttgatggc  | 390360 |
| agatcgtgaa  | tctcctgtat  | cataaagagc  | ttttgcatag  | ttcgtataga  | tataaagctt  | 390420 |
| caagcctgcc  | ggcatgttct  | cctgcaatag  | gctggttagcc | agttgcagac  | tgctcaggggc | 390480 |
| atlttggttaa | tattctccat  | ttgtcaacag  | aatggcatgg  | ttacacagat  | agcttatttt  | 390540 |
| gttgatttga  | tcattgaatg  | caagtgtatc  | tgcttgttga  | taagagaata  | ttctgcgtga  | 390600 |
| aaagatgatt  | gctttctggg  | tttcttccag  | ctcattgtat  | agggctgcta  | tattactgat  | 390660 |
| gataatagct  | gataaggatg  | agtccttttg  | atattctgtt  | atlttccagt  | cttttttgta  | 390720 |
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| gttggtatag  | ttaatltgct  | tgctggcaag  | agaatatacg  | gagtcacatc  | gggagaaatc  | 391140 |
| tccgttgtct  | ccgtattgct  | gtatcagttg  | ggtaaagtcg  | cttgctgcaa  | tatgtcctat  | 391200 |
| accgacactt  | agaaatatga  | taaataaaaag | tcttttcatg  | ctgtaatcca  | tcctttaatg  | 391260 |
| aaagctaggc  | gcatgagatg  | tgagacattg  | atggcgccac  | tctttaataa  | tatatltttta | 391320 |
| cgcatagagt  | ctattgtact  | cttactgagg  | tttagttttt  | gggctatltt  | ttcggaaagta | 391380 |
| tttccgcaag  | aaagcatatt  | gatgatttct  | ttttcacgag  | ggctaggcgt  | ataggttatt  | 391440 |
| gaatccatag  | cggagtgatc  | ccctatgagc  | gataatacaa  | tattaagcgc  | cgtaggagag  | 391500 |
| taatatlttg  | ttttggttga  | cagtattgaa  | tctattgcct  | ttttgatttc  | agccgtgtca  | 391560 |
| tcgtlttttg  | taacgatgcc  | tgccacttct  | ttttttatga  | gctgtltttat | gatccaaaat  | 391620 |
| tcggtatgca  | tggatatagat | cagcacagga  | gtttgaggaa  | tctlttttatg | cagatagggc  | 391680 |
| aatagttcca  | gtacggtttt  | atcctgcaat  | tcatagtcta  | taattaaaag  | actgggggtc  | 391740 |
| tgattgtcta  | tataattgta  | tagttcagaa  | taatgtttac  | ctattgtaat  | ttggtatltt  | 391800 |
| tcttcaagtg  | ttaatagctt  | agccaatcct  | tctgctatga  | tgggggtggc  | gtctaataatg | 391860 |
| taaatatgtt  | ctttcatact  | aaggtgcttg  | ttgttaaaaa  | gatggggctt  | tggttttctc  | 391920 |
| tgttacaaat  | atggatattt  | tatatcttta  | atgcaaatta  | ttgttactat  | ttgattgcat  | 391980 |

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| gcgtcgaatg  | aattggatat | attcttggtt | catacaatgt  | gtaaatagct | atctctttct  | 392100 |
| gttcaagaat  | tggtatgaat | aatgatttaa | tagtctgtta  | agactttttg | ggatagagaa  | 392160 |
| tattgaatcg  | gatttttttt | ctttcatttg | taattttgta  | tactgaagta | ttattttttt  | 392220 |
| taaacagaag  | cgaatgagag | tgataattca | ataaatcagt  | tcgttttttg | caaaaaataa  | 392280 |
| ttaggataat  | tagaacgaat | cttttatttt | tgtttcgcta  | atactaataa | ggaaaacatc  | 392340 |
| aataactata  | aagattataa | aatcatggaa | aacgaagaat  | tgattaaatt | gtgttctgac  | 392400 |
| aaagctcaga  | aatggttgac | tccggcgtat | gatgcagaaa  | ctcaggctga | agtgaacgt   | 392460 |
| atgttggaag  | atcctgataa | aactgaattg | atagaagctt  | tttataaaga | tcttgaattc  | 392520 |
| ggtacaggcg  | gcttgcggtg | catcatgggt | gtaggttcaa  | atcgtatgaa | cattttacact | 392580 |
| gttggcgag   | ctactcaggg | attgtctaac | tatctgaaca  | aatgttttgc | aggcaaaaaa  | 392640 |
| gatatttctg  | tagttgttgg | tcatgactgt | cgtaacaaca  | gccgtctgtt | tgctgagatt  | 392700 |
| tctgcaaata  | ttttctctgc | aaacggcatt | aaggtttatt  | tggtcgaaga | catgcgtcct  | 392760 |
| actccggaag  | tgctatttgc | tattcgtcat | ctgggatgcc  | agagcggaa  | tatccttact  | 392820 |
| gcttcgcata  | acccgaaaga | atataatggg | tataaggcat  | actgggacga | tggtgctcag  | 392880 |
| gtacttgctc  | cgcacgataa | aggtatcatc | gaggaagtaa  | ataagattgc | ttctgctgct  | 392940 |
| gatatacaag  | ttgaaggtaa | caaggaactg | attcagatca  | ttggaaagga | aatcgacgat  | 393000 |
| gaatatttgc  | gtcaggttca | tactatttct | atcgatccgg  | aagtatatca | gcgtcagaaa  | 393060 |
| gacctgaaga  | ttgtttatac | tccgatccac | ggaacaggta  | tgatgctgat | tcctcagtca  | 393120 |
| ctgaagtgtg  | ggggatttga | gaatgttcat | tgcgttcctg  | aacagatggg | taagagcggg  | 393180 |
| gatttcccgga | cagtcgtatc | tccgaaccct | gaaaatgctg  | aagctttgac | gctggctatt  | 393240 |
| aagttggcta  | aagagattga | tgcgatatac | gttatggctt  | ccgaccctga | tgctgaccgt  | 393300 |
| gtaggatagg  | cttgcaaaaa | tgataagggt | gaatgggtat  | tgattaatgg | taatcagact  | 393360 |
| tgtttgatct  | tcttgattta | catcatcaag | aaccgtattg  | cgatgggtaa | gatgaagggt  | 393420 |
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| aatcatatca  | agatgtatga | ctgctatacc | ggattcaaat  | ggattgcacg | tgaaattcgt  | 393540 |
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| tccggtgggt  | tttcatttaa | tccaccggat | tttttatgtt  | atttttccgg | ataatcagtg  | 394200 |
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| cgaatctgtt  | gttccgtttt | tccttgcaag | atatccagcc  | gtacctgact | ggttcccac   | 394320 |
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| gaagtacgaa  | ggtctatccc | gtagcagttt | ctgtttttgt  | gcagaggatt | cttgtcagat  | 394500 |
| cccttttagag | aacgtggctt | gaagctgaaa | ctgaaagtct  | gctgggtaaa | gggactgcct  | 394560 |
| attacctgaa  | atggccattc | cgttcctctg | ccgacactca  | cagaggttcc | ttcgaaagg   | 394620 |
| cagagtgcag  | gataaagtgc | gatggcctgg | tcgttgggta  | ggttgggtga | gggttttact  | 394680 |
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| tgaaggtcct  | ttcccagcca | tccttcacca | ttgatcattt  | gtgccagttc | gcctattgtg  | 394800 |
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| ccgacatctt  | gcatgtcgaa  | gatgacgatc  | tcggttcgac  | ttagctgtgc  | aggttgaggc  | 395040 |
| tttttttgtg  | tgccatacag  | agagaggata  | ggaacatgtg  | tgcgtgtatc  | cttgccgttt  | 395100 |
| cgtaccgttt  | ctccggcatc  | agcatctcca  | cggaagccat  | gctcgggggc  | gaaaatttgt  | 395160 |
| acgatgtgta  | cgccacagtt  | atacaatgtg  | tcgagtagat  | gaaccccggt  | tacgcgtgaa  | 395220 |
| gtatggttaa  | ctaccagtga  | tatctgcttg  | tctttcagca  | taggaagcaa  | ctgttccatc  | 395280 |
| ttgtcggcac  | cgttacgaat  | ctgggcccgt  | gcttgacga   | ctgccagcag  | ccagcaaattg | 395340 |
| aataaaagtaa | tatatctcat  | gtcggacaaa  | taattttttc  | gtacctttgt  | ttcatcaata  | 395400 |
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| aaagtttgtc  | aattaattgc  | gtgttttggt  | caatcccaga  | cacgcaaata  | aatcgttcaa  | 395520 |
| gcatgtaagc  | attgtgtatg  | actgacttgc  | atgatgatat  | ggaatatattt | attcccatct  | 395580 |
| tcttacaggc  | agccttggcg  | aggtttatcg  | ctgcaagtga  | tgcattaaag  | tggaatgcca  | 395640 |
| gtttcctgaa  | gtctgtagac  | tgacagtttg  | ctattccggc  | atgttgcttg  | gcatcccga   | 395700 |
| agcagaattc  | gagttggaaa  | cgtgttctgt  | aaaagtccag  | gacatcctgt  | gcgttctgta  | 395760 |
| tttcgtttgt  | agagaaatac  | agctgccatt  | tgtccgttct  | tccatccatg  | gggtaccata  | 395820 |
| cagccaggct  | cacaaagcgt  | ttgagtgcct  | tggagtatgc  | tttcagtccg  | taaagtttac  | 395880 |
| ccttgttcac  | tttgtactcg  | gtacatcttg  | tgatgtccag  | attttcaaag  | tcaattttct  | 395940 |
| cgatcatgta  | ttttggacgt  | ccgcgttttc  | ctgtcctatt  | ttctaagggtg | ggataaaaca  | 396000 |
| atacggcatc  | attcctgaaa  | cggcttatta  | cgtggaaacc  | gttatcgtac  | aatggtttga  | 396060 |
| tgaagttgc   | ctttgaaaag  | aacgcacac   | acacgactgt  | gccagaaata  | cgtttcagct  | 396120 |
| gttcctgtat  | gctgataagg  | taagagctgt  | accagtcaac  | aagattcttc  | tcacagcttt  | 396180 |
| ccagcgttgc  | gttgtcaggt  | gtctgtacag  | agcccaaagt  | catacattca  | tggttgtcaa  | 396240 |
| cgtctataac  | tccaataccg  | gttattttcca | gtccacgttt  | gtattcaccg  | gcacaaccgg  | 396300 |
| accagaaata  | gccaatccac  | ggcgttttgc  | tgccctgattt | tggaatgaaa  | gacggatcaa  | 396360 |
| cggctatcgc  | cttgcgacca  | cctttaagggt | gttccttgat  | gatggcttca  | ttgaaggaaa  | 396420 |
| accagtcaaa  | gccgtcgttc  | tcaaaattgt  | tgccgtatgt  | ctgttccgag  | aaacatccat  | 396480 |
| accgtcccat  | ttgtaggaaa  | ttgatgcggt  | caggtatagc  | catgaataat  | ttcattgcat  | 396540 |
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| actcggattg  | gtattgcata  | aggagtgtatt | cttttagtcat | aattaaaagt  | ggtgaagtac  | 396660 |
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| tgaatccact  | ggcattaata  | gataagtatt  | atcccgaaga  | aaacgaattg  | aaacacatct  | 396960 |
| tgctggtaga  | tagccgctcg  | gtagccgata  | aagctcttga  | tatggcgaag  | aagcaccag   | 397020 |
| aactgaattt  | agacctacag  | tttatcgaag  | aagcagccat  | gctgcacgat  | atcggaattt  | 397080 |
| ttcagaccga  | tgccgaagggt | atctgttgct  | ttggtaagta  | tccttatatc  | tgtcacggct  | 397140 |
| acttaggagc  | cgaactgggt  | cgtcaggaag  | gattcccga   | acacgcatta  | gtctgcgaac  | 397200 |
| gccataaccg  | tgccggattg  | tccttgagg   | atatcatacg  | tcaggagctg  | ccggttcctc  | 397260 |
| atagggagat  | ggtgcctgtc  | agtctggaag  | agcagataat  | ttgttttgcc  | gataaatttt  | 397320 |
| tttcaaagac  | aaagctcgac  | cgtgagaaga  | gcatcgagaa  | ggcgcgcaag  | agtgtggcac  | 397380 |
| gctatggaga  | agaagggtggc | aagcgtttcg  | accactgggtg | taaactcttt  | ttatagtctt  | 397440 |
| aaaaaataca  | ttaaaatctg  | tggctcttgc  | atttatattgc | gggagaatgc  | ttacttttgc  | 397500 |
| aacgcattgc  | gtaaaaattt  | gatgaatgac  | gtcgttttaa  | aaaactacat  | atttactact  | 397560 |
| tgttctgttc  | ttcttaggat  | ttttttctc   | tttgatgct   | gagacgcagc  | gtgtaaaagg  | 397620 |
| taagagaatg  | agaggaaaca  | gaacggaagt  | tcgcgccgat  | tccctggcag  | gcgattcact  | 397680 |
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| ttatcagaat  | atcgaactga | cttcagcggt | gataaccatg  | aatatggata  | gtagtacggt  | 397920 |
| ctatgcccgt  | ggtgtagccg | atacaactgg | cggtgaacag  | ggaacgcctg  | tctttaagga  | 397980 |
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| cattaacagt  | atcgttaccc | agcagggaga | aggttatggt  | accagtgaag  | atgccaaaaa  | 398100 |
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| gcatccgcac  | ttttatttga | aattgtctat | ggcaaagggtg | cgctcctaaga | aggacgtggt  | 398220 |
| gttcggctcct | gcccagcttg | tagtagaaga | tgtgcctctt  | ccgatagccg  | ttccggttcg  | 398280 |
| atthtttccc  | ttcagcagca | gttattcttc | tgggttcatt  | atgccgacct  | atggtgacga  | 398340 |
| aatgaaccgt  | ggtttctatc | tgcgcgacgg | tggatattat  | tttgccatca  | acgaccgggt  | 398400 |
| tgacttgaaa  | gttttgggag | aaatctatac | caaagggttca | tggggactgt  | cggctgcttc  | 398460 |
| caattacaac  | aagcgttata | agtatagtgg | ttatttcaat  | gccagctatc  | tggtaacgaa  | 398520 |
| gacaggagaa  | aagaatatgc | ccgattatac | ggtttctaaa  | gattttcgtg  | tacaatggag  | 398580 |
| tcacgtcag   | gattcgaaag | caagtcctaa | cagttctttc  | tcggccagcg  | tgaactttgc  | 398640 |
| aaccagtagt  | tacgaccgtt | cgagtctgag | ttcactgtac  | gacccttcgg  | catatagtaa  | 398700 |
| taatacgaag  | gcatcaagt  | tgagctactc | ccgaaacttc  | cccgaatatag | ggctgaacat  | 398760 |
| ttcgagtaca  | ttcaatatta | cccaaaatac | aagggactct  | tcggtaaaca  | tgaccttgcc  | 398820 |
| cgacctgaat  | atttctctga | gccgtatcta | tccgttcaag  | cgcaagaagg  | ctgcgggaga  | 398880 |
| tgaacgtgg   | tacgaaaaaa | tttctttcca | gtatacgggc  | gctctgacaa  | acagtgtcga  | 398940 |
| tacaaaggat  | aacttgcttt | tcaagactcc | tttctctaag  | tggaaaacgg  | gtatgaagca  | 399000 |
| taccattccg  | gtggaggcta | cctttagctt | gttcaagtat  | atcaacatta  | ctccttcggt  | 399060 |
| taactatacc  | gagcgtggt  | atacgcgtaa | ggcatgcaa   | agttacgatc  | aaaaaacgcg  | 399120 |
| ggaagttgta  | aaggatacca | tcaacggttt | caatcgtgta  | tacgattata  | atatggccgt  | 399180 |
| ttcgatgaat  | acaaaattgt | atggtatgta | caagcccttg  | tttatgaaga  | gcaaggagat  | 399240 |
| tgtgatccgt  | cacgtcgtaa | ccccgtcgg  | aagctataca  | tataccccgg  | atttcggtaa  | 399300 |
| gtcgcattac  | ggttattacg | aaacttatac | ctataccgac  | gaaaatggtg  | aggtccgcat  | 399360 |
| ggcagagtat  | tcaccttacg | aaggggctcc | ttacagctat  | ccgggtaaag  | gtgtttcgca  | 399420 |
| gaacgttagc  | ttctcgctga | aaaataactt | ggaaatgaag  | atggcttcg   | acaaggatac  | 399480 |
| aacgggttac  | aagaagatca | gtctgattga | tgacttgagc  | ggaaacttgt  | catacgatat  | 399540 |
| tgctcagaag  | cggtggagta | atctttcgct | gacggctcgt  | ctgaagttga  | ccaagaatta  | 399600 |
| tacgttcaac  | atgaatgcaa | cgtttgcaac | ttatgcttat  | aagttcgacg  | aaaatggaaa  | 399660 |
| tgtttagag   | agtatcgta  | ctgaatggc  | gtacggacgt  | ttcgacgat   | tccagggata  | 399720 |
| tagtggttct  | ttctcgata  | cgttgaataa | tgataccttc  | aaaaagtatt  | tcggaaagaa  | 399780 |
| agacgagaaa  | gataaagata | aggataagaa | ggatacgggc  | gacgaggatg  | aggaggaaac  | 399840 |
| cgatgacgaa  | atgacaaaaa | aggataattc | gagcactcgc  | aagacggaaa  | atgcaacgct  | 399900 |
| tgatccggac  | ggttatcttg | cctttaaatt | gccgtggagc  | ttgagcttga  | gctatagtta  | 399960 |
| tagtatctgt  | gaggacagaa | cgaagcagat | taatatacaag | accatgcgtt  | acccatattc  | 400020 |
| gcttactcat  | tcgctgaaca | tctcgggtaa | tatcaagatg  | ggtagccgct  | ggaacgtaac  | 400080 |
| atactcgagt  | ggttacgact | ttacttcgaa | agaaatgtca  | atgaccacgg  | tgaacattac  | 400140 |
| tcgtgacttg  | cactgcttca | acatgagttg | tggcttggtg  | ttcgggtcgt  | atacctcgta  | 400200 |
| taacttttct  | atccgtgcc  | attcagcgat | gctgaccgat  | gcgttgaaat  | gggatcagcg  | 400260 |
| tagtaatac   | ggtagtcagg | ttacatggta | ttgattgtat  | tggtaaggat  | agaatcaggc  | 400320 |
| gaggaatagc  | tttctttgaa | agctgaaaat | cctgtagatt  | cgaattcgta  | aaaagggatg  | 400380 |
| aaattgtgtc  | gtaactcaat | tttagggag  | atgaactttt  | aatcgacag   | tttcatcttt  | 400440 |
| ctataagtaa  | aacgaaagag | ccgcatcaaa | actgagtttt  | tgatgcggct  | cttttggtat  | 400500 |
| tttgcaatta  | tgagtcacta | acttttcgga | atgcttcggt  | tactttggta  | tccctttggg  | 400560 |
| agtgtcctat  | cagtaattac | cacttaatag | gttcctctcc  | atgctgaatc  | aggtattcat  | 400620 |

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|             |             |             |             |            |             |        |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| tcgtccggct  | gaagtgcttg  | ttgccgaaga  | agccgttata  | agccgaaagc | ggtgaaggat  | 400680 |
| gaacggaagt  | gagcaccaga  | tgcttggtgc  | ggtcaatgaa  | agctcctttc | ttttgtgcat  | 400740 |
| acgatcccca  | taaaataaat  | accagatgtt  | ctcggttttc  | ggccagagca | cgaatggctg  | 400800 |
| catcggtaaa  | ctcttccag   | ccttgccgtt  | ggtgcgagcc  | tgctgatga  | gcacggacgg  | 400860 |
| taagtgttg   | gttcagcagt  | agcacgcctt  | gttctgcccc  | gcgggtaaga | ttgcctgtag  | 400920 |
| tcgggatagg  | tgtgccagg   | tcacgtgtga  | tctccttaaa  | tatatattgt | aaggatggag  | 400980 |
| gaaatggaat  | accgtcgta   | acggaaaagc  | agagtcctgt  | tgctgtccc  | ggtccgtgat  | 401040 |
| acgggtcttg  | tccgatgata  | accaccttaa  | ccttggttga  | aggacagagg | ttgaaggcgt  | 401100 |
| tgaatatcag  | tttgccggga  | ggatatacgg  | ttgttgtctg  | atattcccgg | cgtacaaaat  | 401160 |
| ccgtcaggcg  | gatgaaataa  | tctttctcaa  | attccggagc  | caataacttg | ttccacgatt  | 401220 |
| cttctatctg  | tacattcatg  | ctgttttact  | gtttttgatt  | tctatgaatg | aataacttat  | 401280 |
| gtataagata  | aatcaaacia  | atttagtaaa  | aaggcgtaaa  | tagtacttgc | tgtatgaaga  | 401340 |
| actttttcat  | tatagcttcc  | tttatgccga  | tggaatttga  | tagccggtgt | tatgttgttt  | 401400 |
| ggaaataatg  | tcatctgaaa  | gaaaggggga  | ttatgggtgt  | cttggggatg | attgaagcga  | 401460 |
| ctgctgttgg  | ggaatatgat  | ggaatgaatt  | tatttgtgtac | agtttttctg | atgaagggcg  | 401520 |
| tgaagatcaa  | aaatgagtaa  | aaaagtctct  | taaaaaggaa  | gatagatgat | gttggagaaa  | 401580 |
| agactcggct  | cctttgcata  | aatttctctc  | gacgtttttt  | taattttttg | tacaaaaaat  | 401640 |
| aaaatgattt  | gtacaaagaa  | aggagcgaga  | tgctggaata  | cgaagataat | cctccttgat  | 401700 |
| ttattgggag  | atgtgaggat  | atcctgcggg  | atttgtatgc  | cggatcggga | gaaaaaaagt  | 401760 |
| aaggccgcct  | ctttaaattg  | attcagaaac  | ggccttgaag  | aaaaatcagt | tttgcgtatt  | 401820 |
| gcctgtgtgt  | ttaaataagc  | tgcatgcccc  | gagctgcaca  | ttccttgccg | atttcttccg  | 401880 |
| gccagatgct  | ggcttgaatc  | tcgccgatgt  | gtgcttttct  | aaggtagacg | atgcagagtc  | 401940 |
| gtgattgtcc  | gatacctcct  | cctatgctaa  | ggggtagaga  | accttccaac | agtcgcttgt  | 402000 |
| ggaaataaaag | tttcgttcgt  | tcttcttttc  | ctgctagtct  | cagttgtttg | agcaatgctg  | 402060 |
| gtttgtctac  | acggataccc  | attgatgaaa  | gttcgagagc  | gtgtcctaaa | acactattcc  | 402120 |
| ataccaataa  | gtcgcctgta  | agtccaggaa  | gtccggtttt  | cggatctatt | gtagtataat  | 402180 |
| cgtcataatc  | gggagcacgc  | ttgtcatgtg  | gttctccgtt  | gctcaatttt | ccccctatac  | 402240 |
| cgataatgaa  | aacggcacca  | taccgttcgg  | tgatcaagtc  | ttcccgttcc | ttaggcgatt  | 402300 |
| tgtcgggata  | catatttagt  | agctcctgtg  | aatggatgaa  | atgtatatcg | tgtgccaaga  | 402360 |
| aaggagtatt  | ctgcggatat  | gcttcacaaa  | tcatatattc  | tgtacgtcgc | atagctgcat  | 402420 |
| aaatacgggt  | aacaatactt  | ttcaggaaat  | ctacagttcg  | ctgttctgga | gtgatgacac  | 402480 |
| gctcccaatc  | ccattgatct  | acatagagtg  | aatgcagatt  | tcccagctct | tcatcggcac  | 402540 |
| gaattgcatt  | catgtccgta  | taaataccgt  | atcccggttc  | tatgtgataa | tcggcaagtg  | 402600 |
| taacacgttt  | ccatttgccc  | agcgaatgta  | ctacttctgc  | ccgttgctct | cccaagtcct  | 402660 |
| tgattgggaa  | ggtaacaggg  | cgttctactc  | cattcaggtc  | atcgtttatc | cccatgcctg  | 402720 |
| tcagcacgaa  | gaggggagct  | gtaacacggc  | gaaggcgcag  | ttcggatgat | aagttttgct  | 402780 |
| ggaaaaaatc  | cttaatttgt  | tttatcccta  | actcagtttg  | tttcatatcg | agcagaggcc  | 402840 |
| gatagttgct  | aggtttttatc | agataactca  | tttcttataa  | atttttcaat | gtttaaatac  | 402900 |
| gttggcaaaag | ataatgatat  | tttgtaaaaa  | tgcaatacta  | atcctatgaa | tattgtcatt  | 402960 |
| atgagcttta  | tttctttatt  | tttattgata  | aaatgatatt  | tcttttatta | gcaaaaataac | 403020 |
| ttcttttttt  | attttttctc  | ttcgattatt  | aggacaaaat  | acagaatagt | tgtatttttg  | 403080 |
| ttccgggttt  | tgagacacgt  | ttgcacccat  | agttcaatgg  | atagaataat | ggattccggg  | 403140 |
| tccatcgatt  | ggggttcgac  | tccccatggg  | tgtacgattt  | tagaggctaa | tctattaaaa  | 403200 |
| agtaatagat  | tagccatttc  | ttttcttcag  | aattactcta  | agtatatccg | aatataggat  | 403260 |
| caacgtaaaa  | acctgagagg  | ttcgttgctt  | aagcataaat  | ttttcatgca | gtttaagcaa  | 403320 |
| aatccgtatg  | gactaaactt  | tatttttggt  | aaacctaaag  | atacaagaaa | gccaactaat  | 403380 |
| tctcaatgtc  | ttgtatttga  | attagggata  | ttcagtaaat  | gtccccaaaa | taagatggca  | 403440 |
| tatgaaatga  | ttatggtcta  | tcacttctcat | atgccatttt  | ttattgtcat | ttttccatgt  | 403500 |



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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| attctcacat  | aattctatcc  | gtcaggacat  | gacacttctg  | aagaagccag  | atgacctctt  | 403560 |
| ccgattccgt  | cagtaaaatc  | atatcatgcc  | gctttaaccg  | tcctgttcct  | gatcttgtca  | 403620 |
| atcatcagta  | cggcatttgc  | cgtatgtatt  | ccgaagaaaa  | tccacaggat  | ttccgtcttc  | 403680 |
| ctgttccgtg  | cctttatcct  | ggagagcgag  | taatgctgct  | tctgtgtacc  | gaagcttcct  | 403740 |
| tcaagccggg  | tggccctctc  | tttgagagat  | tcacttctga  | gaaccttcct  | caaggattca  | 403800 |
| tccctggccg  | cccttccctt  | gcgtacgaag  | gaagtggaga  | ttccgtattt  | cgtgcagaac  | 403860 |
| tttctgttgg  | cgttattggc  | atatatggaa  | tcggctgcta  | cgcattcttac | cctcacgttc  | 403920 |
| atgagcttct  | gctgcatgcg  | gatgcagtc   | ttcaggcata  | tcccctcggt  | gaaagccttg  | 403980 |
| aacgagaggt  | gttcgatgaa  | cgatatgccg  | tctatctgta  | tgttgttttac | cttcgcaccg  | 404040 |
| aactcaacgg  | atttcgtttc  | cttgccctctg | acgatgggat  | gcacataatg  | acgggtcaatg | 404100 |
| ctgacgatgc  | gctcactgac  | ttttcgtcct  | tcaaacatth  | gctttttcctg | tacaagaacc  | 404160 |
| tttctgatga  | tggaaagccg  | cttccggtaa  | tcctgagtat  | accggagtga  | ggctccatac  | 404220 |
| tctttgtgaa  | ttccatccc   | ctgcatgaga  | agtttttcaa  | ggagtctgat  | catacgtcgc  | 404280 |
| ttgagcatcc  | ttgtccttga  | tgcctttctc  | tttcttttct  | tacagtagga  | cagataagcc  | 404340 |
| ttggcaatat  | catcatatth  | gttgccggga  | cgtcttatgc  | caagtcccc   | gcaatgcttg  | 404400 |
| cagatatgcc  | tgtagagcca  | ttcgaggctt  | tcccaaagga  | gcttcatgtc  | tgtagggaaa  | 404460 |
| cgcataatgg  | tctcatagca  | ggtggcatcg  | gtcatgcaca  | cgtgaagggt  | ctcaagatac  | 404520 |
| ggcttccagt  | gtgaggccag  | cacttcctgg  | agggattcaa  | tgtcaagacg  | ggatgccatc  | 404580 |
| tcattgcgga  | tggcactgac  | tatctttag   | ttggttatgg  | ggaaggacgg  | gtctatcatg  | 404640 |
| attccgcaga  | acatctgata  | gtgtatgttg  | ctgttcagat  | gttccaccag  | ctgtctgtcg  | 404700 |
| gagaatccgg  | tgtatgcctt  | caggaccatg  | agggcaatct  | ttgccgcagg  | gctgaagatg  | 404760 |
| ttcctgcgtc  | ccagtcgctg  | ttccaacagg  | cccaaggctt  | ttgccatacg  | ctcaaacgga  | 404820 |
| aacaccgagt  | gaagcctgcc  | aagctcactc  | tcgttaaaac  | tcttgccggt  | tttttccaga  | 404880 |
| atatcaaatt  | ctgtaaagcc  | caaagtaggc  | tgaatttctg  | aaatattttg  | tacttttggc  | 404940 |
| atatcttggg  | tggggaatth  | cccccgtht   | ggctgccaaa  | ccttattttg  | gggggaatac  | 405000 |
| ctaaagatac  | aaaaaagcca  | gctaattcgc  | aacactttgt  | gtatgaatta  | gttggctaata | 405060 |
| tttatattat  | ttactgaatg  | tcccgaatta  | gttggctaaa  | tttgthttat  | ttgctgaata  | 405120 |
| tccctaaacc  | aggaaacttc  | ggtcagtaga  | tatcaaaaga  | caaatcctat  | acgaaaatag  | 405180 |
| tgtaaacttg  | cgttacttga  | tacatcctta  | ttatctatag  | aaatattttat | cttttggag   | 405240 |
| ttaaaagcat  | atcctatgta  | tacattttta  | cagagattaa  | taccagttcc  | gatttccgaag | 405300 |
| caaatacctc  | catcattatt  | catagcactg  | ctatcagtg   | taaaaccata  | tccggcgagca | 405360 |
| aaagataaat  | atcccagacat | ttccttgaag  | aaataaggag  | tattaccacg  | tacgcctgtc  | 405420 |
| ataatttgca  | agtctggatt  | ctcgtcgaat  | gtatctttag  | ttgggaaagc  | agcttttaca  | 405480 |
| ctgattgcat  | cccatccaat  | gaatggagca  | aaattgtgtt  | gatattcttac | acccaaatca  | 405540 |
| aaacctccac  | caccttttgc  | tccacctata  | cctaaatcta  | tggcaaagcg  | attcttttta  | 405600 |
| taatacatat  | cttcgtatga  | agatgcaaaa  | ttccagthtt  | cagcacaaat  | aggtaaactc  | 405660 |
| ataattgcag  | taatgacaaa  | aaacatcatt  | ctaaaaaaa   | tactthttct  | cataattaca  | 405720 |
| tacattgtct  | gtcagctcct  | acagaccatt  | tacattatac  | aaaagaagcg  | tggaaactgga | 405780 |
| atgcgtattc  | agatttaagt  | tcataagaag  | tatatatact  | ttttaaatct  | cttacgttta  | 405840 |
| caatcaaaa   | aagcataaca  | cttctttgtt  | tatctaattt  | tttttgaagt  | aatttttatt  | 405900 |
| tattttacaaa | tatagattat  | ttatgtaaat  | aaatattatt  | gtatgggtgtt | ttttctattt  | 405960 |
| aattgtcttg  | tgagaaaagt  | atagaaatta  | atctgttcct  | tgcctaactg  | gtagaatgag  | 406020 |
| tatgttaaa   | catttacttt  | tcaaataatga | aatcaataag  | taaaattttcc | ttcttttcgga | 406080 |
| atcaaaaattc | ttttcaaaaa  | ttagggtaga  | ataattttata | gaaataagta  | tggatttgtt  | 406140 |
| caatataaaa  | aaatacggaa  | tccaattttt  | taaattgaat  | cccgtatttt  | cattaacata  | 406200 |
| ccatatttta  | taatatcaca  | tttattgata  | tgaataattaa | ttatgaactc  | ctcgtccgtc  | 406260 |
| tatcaatctc  | tggattgtct  | tttctatttc  | attcttcaat  | tccttgtcgt  | cggctttaat  | 406320 |
| ctgttttaat  | cccgaacaaa  | tatcattg    | acgataatth  | tcattgaacc  | agcctaaagt  | 406380 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| ttcaatcgca  | gctaaacgaa | gttttttattc | ccgagtttcg  | tcagatgcaa  | atttcaataa  | 406440 |
| cggatcgatg  | ccagcagtat | tgggatgggt  | acgatatact  | acgatatcca  | agcgtacccg  | 406500 |
| attgggtttt  | acagttgtat | caaacatttc  | ctttaaatcg  | gcctgcatgc  | gttttttact  | 406560 |
| ctgtttaatc  | tgttttctga | aacgggtcaac | atacgaagaa  | tcataaaaaat | acttattttgc | 406620 |
| agcctgcttg  | tcgagttctt | gtaacaaagc  | attcgtgtcg  | aaagctccta  | atccagatat  | 406680 |
| cagtttaaag  | tttaaaccgc | attcatgctg  | acgctccaga  | tatgccttga  | taactgcggg  | 406740 |
| aataaggctt  | ggatgtccat | ttttctctac  | atactcacag  | gcaaaacgtc  | gtaccagttc  | 406800 |
| atatccatca  | ttgagtgcag | cttctaatac  | ttttatggct  | ttttccggat  | aatttaacgc  | 406860 |
| caataagcgc  | atcgctcca  | agcgtacaac  | aaaatagtca  | gaagtaaagt  | aagacttttc  | 406920 |
| cagaagtctt  | ggaagtgggt | catatcctcc  | tttacacaat  | tctctcaatg  | ccaaagcacg  | 406980 |
| catatcgggc  | aatggactat | cgagttgttt  | tttccaatag  | ttcaaatttc  | cttcttccaa  | 407040 |
| gaccaatgcg  | cgattgatat | ctacatcaat  | gccactatta  | ttggcaaaat  | ggaatgtagg  | 407100 |
| gtcacctatc  | agatgatttt | ctaaatagca  | aaccagacga  | ttaaattgtc  | caatacgcac  | 407160 |
| tcctgtctcc  | aacagtccca | aaaattcatc  | aggccattta  | tcttgaatcg  | tattcacagt  | 407220 |
| tccgccctga  | gctaccactg | tttttccgtc  | tgagaagaca  | taagctccag  | caatattatc  | 407280 |
| tttctcataa  | aatgaaccgt | taaaacaagc  | atcgaacatt  | ataaaacgag  | cctgtgggtt  | 407340 |
| aagaggatgg  | atatcggttg | tatgaatgtc  | cagtataaaa  | ttataaagag  | aatcttcttt  | 407400 |
| tatcttttcc  | ggatcaaaag | cttcttcaca  | ccattcacgt  | ggaacattat  | atcttttcat  | 407460 |
| atattctgca  | attgcagctt | cttttccttt  | cgtctcggca  | aaagcaggta  | tcttgctacg  | 407520 |
| caaaaaacgc  | tttatattct | cgatactggg  | atctatcgta  | tttacctctt  | catagccatt  | 407580 |
| cagatattgc  | gtatcgggcg | caccatgatg  | atgaaatagc  | ataatatcaa  | gtcccttgct  | 407640 |
| ttgtacttcg  | tttaaataag | tgtttttaat  | ggggaagttt  | acatcaaaat  | caaagaattt  | 407700 |
| tactgtagat  | cccggacgaa | acaattgagg  | taattgttca  | cgaatagcca  | actgttctcc  | 407760 |
| tgaccatgct  | gtcgggtctt | cggaattata  | tccatgtcct  | cgtcccatgc  | tcaaataatc  | 407820 |
| tactacattg  | ttggcatttt | cacgcttttc  | tgccactaac  | ttttccagat  | acttatttta  | 407880 |
| taattgatat  | ttatcaaccc | cttcagctc   | cagcggtttt  | atacagagctg | aataaatgtc  | 407940 |
| cggagaaaga  | tattgcttag | agtctgcacg  | caatgaataa  | tagaaataca  | aaggatatatc | 408000 |
| tgcacctctg  | ttcaagaaat | caaacttcag  | acaaaaatca  | tcataataac  | ggtcggaagg  | 408060 |
| tacactagac  | tccttccagt | catgtttttg  | atccattttta | aacgctgaag  | tcaaagtgtg  | 408120 |
| ggcatcccgc  | agcatcggaa | tgggaatatc  | accacaaaat  | acgcaacctt  | caagagggtga | 408180 |
| tttacggtct  | gaatgtagct | gaatcaacaa  | tttacgaatc  | tgttcgggag  | atttccactc  | 408240 |
| atctactaaa  | agatatgtgc | ccaagccatc  | agcttctata  | ctttgcttat  | aagcctctaa  | 408300 |
| agcatttttc  | gttttttcgt | aactagtatt  | atctaccaca  | atagcaaatg  | ttgtagcagt  | 408360 |
| ctttactccc  | ggcttgataa | tttgttgagc  | ataggagtaa  | agacaaatgc  | tcaacaaacc  | 408420 |
| cattaaggctc | aataattttt | gtgtcatatt  | ttttttgaaa  | taagttaggt  | taatctatgt  | 408480 |
| attgtttgtt  | gaatttcaag | cgaaagttca  | tcgggcaagt  | cagtcgtttg  | caaaagggtcc | 408540 |
| tgacattttt  | ccaaaatatg | aatgcgttca  | cggaatgtga  | caaaccatcc  | taacgcttcg  | 408600 |
| gccattgcta  | ctcgaacttt | tacaggggtt  | tccttgctgtg | ccaacaaatc  | taaataattt  | 408660 |
| gttacgtaac  | aatgataggg | attgttgctg  | accatgcgaa  | tggcagatat  | acggtctgtt  | 408720 |
| ataggcagtc  | gttcgttcat | tattttatca  | tttatctgct  | tgaccatggc  | aaatttttta  | 408780 |
| ttcaagactc  | tttcaatcat | tttctgctct  | tcgttggcat  | tcatacgttc  | tgcattgctg  | 408840 |
| tagaactcgt  | ttgtggcaga | ttttacgtcc  | tcttgtggaa  | aaagagggaag | aatggtgctg  | 408900 |
| atgatatagc  | caaccctctg | acgttcacct  | ccgtcaatcc  | attcgcataat | caaagccgga  | 408960 |
| agcagaaccg  | gatcgccaat | ttcacctgca  | taattttgcg  | tctgacgtgc  | tataagctcg  | 409020 |
| taggaatctc  | cgattcccat | acgtacagct  | tccgtaaaat  | tgtcatcggt  | atagcgtccc  | 409080 |
| aacaacttca  | atgcttccat | tcgaacagtg  | ttataaggag  | tattttttaa  | agtgttcaat  | 409140 |
| atttcattct  | cattggaatg | taagctgtca  | gcattctgcta | tcatacgtaa  | agccaaactc  | 409200 |
| tgaatatcag  | catatggaac | agacatcagt  | tcttcccaat  | aatctgattt  | tccttgcttc  | 409260 |

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|-------------|------------|------------|------------|------------|-------------|--------|
| aactctatgt  | ctgttgtcaa | attcatatct | gtttttatcg | gtgcaaaatg | gacggtcgga  | 409320 |
| tctcccatca  | gatgcccttc | tagtgttgct | atcaaacggt | tatattgtcc | aacccttact  | 409380 |
| ccgtgtgaca  | gcaatcctat | gaattcaatg | gtccatcggt | cttgcagaac | gttacgggta  | 409440 |
| ttgccttgag  | caacgattgt | attgccccga | ttaaaaagat | aatatgcagc | cagataatcg  | 409500 |
| tcatcttgga  | aagaaccatt | ataacaagca | tcaaacaaaa | ctactttagg | gttagtagcc  | 409560 |
| acaccagaca  | aatcctctgg | tgtcagataa | atatcggcag | atataattga | atcattccgc  | 409620 |
| caaaaggcat  | cattatgcaa | atctttgaag | aaagtattcg | tcaaatgata | tttttttatt  | 409680 |
| atcacctgct  | ttaatgaatc | ttcattcttt | ccgcagcta  | ccttttgcag | cagactgtga  | 409740 |
| tacagatcag  | tcttcatcaa | acgtagacgt | tctgtaaaac | tatctccggt | tctatcatta  | 409800 |
| ttaataactt  | gttttgttgg | cagtccatgt | tcatgaaaca | tgaacaaatc | aatatcctga  | 409860 |
| cgttgttaatt | catccagcaa | gctatacttc | attgccttat | ccatcctgaa | attgagatgt  | 409920 |
| ttaaaatttt  | gtcctcgacg | gaaagccaat | ggaaaatcct | ccctgtaagc | cttttcttca  | 409980 |
| tccatccaag  | ctatcaaaca | gttagaatta | taatctcctc | cattgaacga | gacgatgtta  | 410040 |
| tccaatggat  | tatttgcagt | ctgtctttta | gcataggctg | cttttagaag | aaaatctgat  | 410100 |
| aatgcttcat  | atttatcacc | tttccatccg | tcaggatact | taatgcgggc | tgagtaaaaa  | 410160 |
| ttaggattca  | gctgttgtgg | actatcttcc | gataatttgt | aatagaaatg | atcgggtctgt | 410220 |
| acagaatctt  | gtctgatgaa | ctcaaatttc | agatgcaaat | catcataaaa | tctatcgctt  | 410280 |
| ggaacagacg  | attgtgaaaa | aggaaatgct | tcttcattca | tcttgaaggc | tgtagtcata  | 410340 |
| tgttgggcat  | tacgtatcat | gactataggt | atgtctccga | ctaatacgat | gccttccaaa  | 410400 |
| tgttcagctt  | ggcgatatac | ttttataatt | tcctgtttca | cttcgtccgg | agtattccaa  | 410460 |
| tcaccacgta  | taatatacgt | tggcaatccg | tcagcttcta | ctgcatctcg | gtatttttagc | 410520 |
| aaagccgtgt  | gtgtagcttc | atacgtggga | ttatcaacca | ctattgcaaa | cgaagttgga  | 410580 |
| ccttggtgta  | ctggctgctc | tataacggta | tgtgccgaag | cagacacaac | actccataat  | 410640 |
| agtgcaagat  | ataataaaac | aaatctcata | tatcaatcat | tttttagtct | ataatagggt  | 410700 |
| ctttctgcct  | cttgacgaat | agcagccgaa | atgtgcttat | cacgtcgcag | ctcattacat  | 410760 |
| actctcagta  | tctccggtcg | tttataggag | tatttatacc | aagctaaaga | acgtaacaaa  | 410820 |
| cttaacttaa  | attcttcaat | ttctgattgt | tcctgcaata | aattcaaata | agcatcaacg  | 410880 |
| gaaccgtgaa  | tagggtagtt | gcgcaaagag | ctgacgtaca | acaagcgcac | tttttctttc  | 410940 |
| tcctttcgct  | gtaatatagc | ctcgtctgag | gaataacgtg | aagcataagc | tttcattaac  | 411000 |
| tggttacgta  | cttcatcttt | attttgaatg | taactatctt | tgaggacggt | atcaatagct  | 411060 |
| tctttgagtg  | gctgctcgtc | aaatacgtat | agtccgaggg | ttatattaaa | ggccactcgt  | 411120 |
| gatgcatgcc  | ggtcttcaat | atatgctctg | accagatggg | gtaaatactc | attttttccc  | 411180 |
| accgctatca  | tctcacgtac | cgcagaacgg | cggatgaatt | catatgaatc | atttaaagca  | 411240 |
| ggttccaaga  | tttactaaa  | attggaatca | tttacttttt | tcagcaaaga | gaaacaagta  | 411300 |
| taacgtacca  | tagctaaagg | agaggtttca | aaagtatgtc | gtaacaatgc | cgaatatatc  | 411360 |
| ttataaccat  | ttgcatgcaa | acgatgcaat | gctaaatttt | gtacatcagc | ataaggagat  | 411420 |
| tgaagcaaa   | acaacatttc | agcttcatcg | tagggctttc | tacaaagtac | cgatgcatct  | 411480 |
| atcttcggat  | cgaatgaggt | aaatcgataa | gtgggatcac | ctgtaatatg | agattccaga  | 411540 |
| atattagtca  | actgagccca | ttgtccgact | cgtgctccca | aaccaagtag | tcccagtaac  | 411600 |
| tcgtttgcct  | gtttgtcttg | taatacattg | acagagttgg | caaaagtgtg | cacacatttg  | 411660 |
| ccggctgcaa  | agatataccg | tgcggcaata | tagtcatctt | cacggaaatc | gccattataa  | 411720 |
| catgcatcaa  | aaataaccat | ccgaacatta | ggggagacct | cagttacatc | cgacaatgac  | 411780 |
| aaccccatcc  | gagcatcttc | caacgaatct | tgtgatatga | taacaggatc | atcataccct  | 411840 |
| ttataaccatg | tagagtctaa | tccatatatt | gtatcagctt | tttgatattc | ttttcctaaa  | 411900 |
| agacttcgat  | tgcgtaccca | gttacggaca | tattgtcgca | agtctgtttt | taattgtttg  | 411960 |
| atatgttctt  | ccagactgct | tgtttcggga | atatctgaaa | aatactggcg | atcgggtaga  | 412020 |
| ccgtgttcat  | gaaagatagc | cagatccaga | tcagaacgct | taatcatatt | aataatatca  | 412080 |
| ttcttgggat  | atggtgtaaa | gcaataacgc | atgaaacgag | cccttccttc | tttatcgaat  | 412140 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| actcccggca  | tctgttcacg | caggttgtac  | gcttccggta | cccatgcaag  | caacgaattt  | 412200 |
| gaatatgata  | catgtcccgt | atacgaaaag  | aactgatcca | aacgattgct  | tgattgatga  | 412260 |
| gcttccacca  | ctttatgtag | gtacttgcca  | atctgttcat | atttattcac  | tccatttgct  | 412320 |
| atgggcttaa  | ttcggcccca | ataaatatta  | caacgtatga | gttggggaga  | atgtaccccc  | 412380 |
| aactcataat  | agaaacactg | tggatgcaga  | gaatcttggt | ttacaaaatc  | aaacttcaag  | 412440 |
| tgaaaatcat  | cataaaaccg | atcgcttggt  | accgaagatt | catgccaatc  | agtctcttca  | 412500 |
| tccattttta  | aggctgaagt | tagatgctga  | gctttacgaa | tcattgggat  | aggaatatct  | 412560 |
| cctacaaaata | ctactccctc | aagcttatgt  | ttcttgtaca | gagacaagat  | aaactttttt  | 412620 |
| acggcctctg  | ggtttttcca | tgtatcataa  | acaacaaagg | tggggagcga  | ttctttccct  | 412680 |
| aacacttggt  | gataagcctc | caactcggca  | gagcactctt | gccaggctct  | cttgctcagca | 412740 |
| ataatggcaa  | aggatgaatg | ctctactttc  | atTTTTggtt | tcaagattgt  | ctgtgcattt  | 412800 |
| agttgtacac  | acaaacctaa | aactgttatt  | ataaaatata | tgaataatct  | tctcataatc  | 412860 |
| agaaattgca  | cccgatacta | acagataaat  | aacttctatg | gctgaaatca  | aaatcttccg  | 412920 |
| cctttacata  | atcaaagcca | acttgagcaa  | aaacttgtgt | tttactttcc  | tgttttaatt  | 412980 |
| gttgggaata  | tactgcagca | gctcccaatt  | tccaataatc | tgacatgaga  | taattagcat  | 413040 |
| ccagagtttc  | catctgagtg | acagttaaatt | agtctgcatg | tgaacctcca  | tactgataac  | 413100 |
| agcctgagag  | atTTTTgtta | tatcctcccc  | gtactgtcac | caacaaacgc  | ttcatgagct  | 413160 |
| tgctacttaa  | tacaaaattc | ttcttgccgc  | ataattccat | atatatatatt | tcatgacttt  | 413220 |
| ttacggaata  | aggcaatata | tatttgcctt  | tctggttttc | ataatatgcc  | aaggcttcta  | 413280 |
| cacgccagtt  | atactcatta | ccacgattgc  | gaatcaagct | gtaatgaagc  | gtagcagctt  | 413340 |
| tagtttcata  | agttgaacgt | acgttactat  | acatttgcac | ccatccagtt  | tgcgattcag  | 413400 |
| tgttgtcacg  | ctgattaata | tactggattc  | catcaatcat | acgataagat  | gcacccagtt  | 413460 |
| ttatgtgatg  | taccagtttt | tcacctttag  | tgtaaagcgt | cattgcaacc  | ttgcctaact  | 413520 |
| gatcttttac  | cgaacctatt | ttccgtggag  | ttgaatatga | cacctctgca  | gtttcggctt  | 413580 |
| taatagaata  | ggtaccttcc | agtaataaat  | ttaaatttgt | tgctgcgtaa  | ttatatgca   | 413640 |
| ttgatcctcc  | aaactgattt | ccgtaatagt  | tcgttgtacg | tccggaacca  | attcctttta  | 413700 |
| cagccactcc  | aagtccgaag | agttcataat  | aatcctgac  | tgtataagaa  | tctgaattag  | 413760 |
| ccatttgtga  | atcctctttt | attgaagcat  | aggaaaagtt | aacacctaag  | cgatggtgag  | 413820 |
| aattaattgc  | gtaacatatt | cctggatatca | actttaatat | atagaaacgg  | gtatctacac  | 413880 |
| gagggctctg  | ttgttttgca | gccagtgaag  | cctgatattc | tccttccaga  | ccgaaagcta  | 413940 |
| atTTTcccca  | atagagtggg | gtagctgctc  | taaattttta | atcataatac  | tggtttctcc  | 414000 |
| aactactttt  | ataagcatcg | gcaacataat  | aaggcatacc | tcggaaggga  | tcagttatag  | 414060 |
| aagcattgta  | tccggcatct | gttttatttt  | cctgtgaaaa | ggaaaaagcg  | ccccatacat  | 414120 |
| atgcatcctt  | cagattcaag | aatccttcac  | tgctcactcc | cacagagcgt  | tctccttctc  | 414180 |
| cctcctgagg  | tccggaaaag | ttaccactgg  | tattttgaaa | atttaatttc  | acatccgaat  | 414240 |
| aattctgaag  | atcatccaaa | gcagttccag  | cagcattctg | tgaatgaaac  | cagattcttt  | 414300 |
| gttctttcat  | ttgttctaag | ccggccatag  | aaagtccttg | ctgagctgct  | acttgtattt  | 414360 |
| tgccgatact  | aagcaaagtc | aataagcaag  | cagttctcca | tatataattt  | tgttgtttca  | 414420 |
| tatattattc  | ttcattaagt | tccacctttt  | ttaacgcaac | gtatgattcc  | atgaaggcat  | 414480 |
| ctttacatca  | tagcggcgca | acattggcac  | cactcctctt | tcgaaatcat  | ctgtgctggt  | 414540 |
| gtttgtgtct  | tgaaagatca | aagcaccatt  | ttctctacga | atgggttctc  | cattctcatc  | 414600 |
| taacgacaat  | ttacgagcaa | ctcctaagcc  | acagtaagta | gctcctacat  | aagttattcc  | 414660 |
| tgcatccaat  | actgctggca | ttcgcttggc  | atttaccttc | gattcgttgt  | caatgcattc  | 414720 |
| taccgcatcc  | agaacatatt | taacaggaat  | cttggcatag | tatgtatcac  | tattagggtt  | 414780 |
| gctcaggtct  | gtagttttca | tagatgcatc  | attgacagga | tcccaggtct  | ctccttgggg  | 414840 |
| aacttggAAC  | aataccattg | caggaccaa   | aacagaagtc | aaatattgag  | gaacagttcc  | 414900 |
| catttctgct  | tttccgtcat | aaaatacatg  | taccatatcg | taggcaggct  | gatctgggaa  | 414960 |
| attcgcatta  | ttcatattaa | attcaaattc  | agaggtacta | ccatcaatag  | gtgacagagg  | 415020 |

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|              |             |             |             |             |             |        |
|--------------|-------------|-------------|-------------|-------------|-------------|--------|
| attatatattgc | ggcaattgat  | gattcgctgc  | aaactgtgaa  | attacgcaag  | attcaccggg  | 415080 |
| ttccaacgga   | taatctgtac  | catttcccgg  | aaacttccag  | actctctctg  | cataagcata  | 415140 |
| attatctcca   | tcttcttttg  | gccaaacagg  | taaagtaagc  | gtagattttac | ttggtgtcag  | 415200 |
| attggcaatg   | taaagtccgt  | ccagatacaa  | tacagaagat  | gaattattat  | aaatctcata  | 415260 |
| aaactgatca   | cgaaaataaa  | caccacctgt  | ttcagatctg  | gaacctgcat  | aataaatttc  | 415320 |
| tttaaagacc   | aatggactta  | ccttcagccc  | ttgagccatc  | acatcgactt  | catttacggt  | 415380 |
| tccaaacaat   | gctttattga  | cgaggttccc  | attcacataa  | aattcatctc  | cgtctgcatt  | 415440 |
| taatacgggt   | ccagaaaccg  | taatgggata  | aattccagga  | atcactccat  | ccatttctac  | 415500 |
| cttaccgact   | gcacattctt  | tagacaaatg  | taaatcttca  | tcataattgt  | caaattttaag | 415560 |
| agttaagtct   | ttaattttctg | ccaaattctc  | tacatcaagc  | tgtatattta  | cagcaacact  | 415620 |
| catagatgct   | acatcctcga  | cacctttttac | atctcgaaaa  | gaatcacagg  | atgaaactaa  | 415680 |
| aagcatccaa   | gctaattgata | ctatatatat  | tattctcata  | tgcataattt  | atttccgtta  | 415740 |
| gagagttaaa   | gagagttcca  | aaccaaagaa  | aaagcgggtg  | ttcagtgtta  | catagttacc  | 415800 |
| cggactacgt   | tttgactctc  | tgcgtggata  | acttctaaac  | atattattgg  | caaagaaaga  | 415860 |
| aactctgaag   | ttatcactta  | tttccttagt  | tacgttaatg  | ttaaaattaa  | aatagggtga  | 415920 |
| ataagactcc   | ttaatagcat  | cattatgatt  | tactgttttc  | aacaagtaat  | cataaccatc  | 415980 |
| ggctttcact   | tgttctgttg  | tggatatatt  | gcctgtttca  | aacatatgaa  | ctgaagcatc  | 416040 |
| ttcaacagat   | atgtatccta  | ttggaataga  | atcggttcgca | taggttgacc  | aattagcttc  | 416100 |
| ctgccataca   | gcctgtgctg  | tcaagggttac | cacgaaacca  | atgcttggtg  | tattgtgtgt  | 416160 |
| agcacgtaag   | gttgtagtaa  | attgctgggc  | atttctcact  | ttatctttgg  | gggcataaat  | 416220 |
| agcaacattt   | ctacgtccgg  | aaagtccact  | acttgaatta  | tcatagaaat  | tatatccatt  | 416280 |
| gttataactc   | tccgtacgca  | tccaagctcc  | acttaaattg  | aatgcagtac  | gaatagcatc  | 416340 |
| tatacgtcca   | aaatccaatt  | caaactcaat  | tcctttatta  | ttgataaaca  | agttgttgcc  | 416400 |
| tggacggtaa   | taatcggcca  | atacagaatg  | agttgcaaca  | gtctccaact  | gattgttctc  | 416460 |
| gtttcgggca   | tactcattha  | tagttaaagg  | cctgaatgta  | gagaagtctt  | gtcccaagggt | 416520 |
| atatccatct   | tttaaagctt  | ccagataccc  | agttactccc  | atgcgcattt  | gtcccaaagt  | 416580 |
| gaaatccaga   | ccagcttctg  | ctttataatt  | tcgagcaatc  | ttcagatcct  | tattctgtac  | 416640 |
| atcgaagaca   | tgagttgtag  | tcatacaaat  | tctctcattt  | tctgggatac  | tctcattggc  | 416700 |
| caattcgttt   | atattagcat  | attcaaaata  | tgcattttct  | ggatacacag  | aaagcaatgt  | 416760 |
| tggcatctta   | ctcgttattc  | catatcctcc  | acgaatagtt  | agcatatcgg  | gtactaaatc  | 416820 |
| gaatgaagca   | ttgaaacgtg  | gagaaattac  | tcctcccacc  | acagacatat  | ggtcataacg  | 416880 |
| tacacctgct   | tgaagatgta  | aattacgttc  | accaatcatc  | cagtggaaat  | tttcttcggc  | 416940 |
| gaacgctcca   | aactgattaa  | taaacggaat  | gcttctgtaa  | gaacgaggcc  | ggaacgtagc  | 417000 |
| gtttttctgt   | gacaagtttc  | tatatggagg  | agctgtcgga  | tcaaaggctc  | taccatcacc  | 417060 |
| cacatttcca   | tccgacttga  | aatcgatacc  | gaataaaata  | cgattattta  | cgtgacccaa  | 417120 |
| ttgcttaaaa   | agattagcag  | tcaactttcc  | atacacattc  | acctctcggc  | tgtctatttt  | 417180 |
| atagattcct   | ttataactgt  | caggaagata  | ttgtgcataa  | tggttttatat | cctcggatcc  | 417240 |
| gaaatgagtc   | agttcatttc  | ccagagcatc  | ataaatatga  | ttgccaggta  | tattggatag  | 417300 |
| tacagctcca   | tctgtttag   | tcattggaata | atatgaattg  | gctaccgaat  | agacctgttg  | 417360 |
| ataagaactc   | tgcttatcca  | tataagtagc  | cgaagctaca  | taacgaagg   | tttgcaacca  | 417420 |
| acctttatgg   | atattccata  | ttccatttgt  | attaaatact  | attccttgat  | cacgaccact  | 417480 |
| ggaagcaacc   | tgtgtacgtg  | tatcatctgg  | attctgttta  | cgggtgtctt  | taccataaat  | 417540 |
| aaaatctact   | gaggtattac  | tacgtaattt  | attattgaaa  | aatgtatttg  | aatacatcac  | 417600 |
| gctacctgta   | gcacgctgat  | aaaaaagata  | agaagcttta  | gggtcttttg  | tattgtaggc  | 417660 |
| atagtcaccg   | cttacattca  | gggctccttt  | atttccacct  | aaatcaaaac  | ctgtaccagc  | 417720 |
| cgaaacctga   | tatacattag  | gattggcctt  | cgctttaata  | cgcaagggtc  | cacggccagc  | 417780 |
| tttagtatgt   | acgataactg  | ctcccgatgt  | caaatctcca  | tattcaacag  | acggaatacc  | 417840 |
| acgaatgacc   | tctactgact  | caatgttttc  | agtagaaata  | ctacgtacat  | cgactcctcc  | 417900 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| actgggtgca  | gcacctcctg | ccaatgattc  | cgatccacct | gccactgttg  | ggttaagggc  | 417960 |
| ctgtaagtta  | gcattgttgg | aaatcgagc   | accatctttt | ataatagctg  | tacctaaagc  | 418020 |
| attcagtgaa  | ttattatccg | atgtggtatt  | tacttgacga | atattaatct  | gctgagctga  | 418080 |
| attcagtgtt  | ggattagaag | atagtcctcc  | aggaagtaga | gacatgatat  | catatagact  | 418140 |
| ggtagcctgc  | atgtgatcca | tagctgtgcg  | tgaataacta | gacgaagtgg  | ccttgccctgc | 418200 |
| ttcattcgct  | ttggctgtca | ccgttacttc  | tttcaattta | aaattctcat  | cacgcagact  | 418260 |
| gaaatcaagt  | ttcatatcac | gtgtaatgtt  | tactaatgta | tcaatcggaa  | gtttccctag  | 418320 |
| atattgtata  | cgcataatgc | tttttcctat  | aggtacatta | tccaatacat  | aagtcccatc  | 418380 |
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| gcaatgtgtt  | tgtttttatt | cccctctttt  | gacaaatgta | ttaaataatt  | atgaatagca  | 418740 |
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| gaaaatattg  | tcataaacga | tttatatagt  | attctttttt | atgttaatta  | acaaaaaaca  | 418920 |
| tattggcatg  | tttgggagta | aaatacctac  | ttttggggag | gcgcttcatt  | atattaatta  | 418980 |
| tatagagagg  | ctgttaagac | aatacttgat  | taatggctgc | ttaaatttat  | tttagctgcc  | 419040 |
| tcttgggatg  | aagtttgaat | atcattttatt | gttttttcga | taattgattg  | ctccaacggt  | 419100 |
| tataggcggg  | aggttagtgg | gaaacttggt  | gaatgaatca | ggtacgtgtt  | tgtagaataa  | 419160 |
| tttctgtttg  | tttatgctat | agattaagag  | tatatccgtt | tcgatgtata  | ataagatagt  | 419220 |
| gtaaatatac  | agaaaaggct | gcttcatcac  | gaagcagcct | tcccgaatat  | ccaattgaat  | 419280 |
| ttgttagggg  | tagtataagc | atgtgtaaat  | gctcaaatgc | aaatatacga  | ttttatttga  | 419340 |
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| agatacctgc  | tgccactccg | gcacgaactc  | ccagaggagc | atcttctact  | acgattgcct  | 419520 |
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| tgtttaagcg  | ttccaacaac | gatgtttgtc  | ccgaaccggt | tacgatgacg  | ggaatcagcc  | 419700 |
| ctgctgcctt  | tattttattc | agtagttcca  | gtgctcccgg | cattcgttcc  | gccttgggga  | 419760 |
| gtgaattgaa  | aatgttactc | ttggtctgat  | aaatttcttt | tatttcctct  | tcagttgctt  | 419820 |
| cgtggtttcg  | ctggcggctg | ctgacgatat  | tgatagtagc | agctcctgta  | cgtccctcgt  | 419880 |
| gcaagtaggc  | ttcttcgggg | ctcaaagca   | tgccgtattg | cttcattggc  | tcgtgccagg  | 419940 |
| ctttggcatg  | gtttttcatc | gagtcgaaca  | agacaccgtc | catgtcgaac  | aatacagctt  | 420000 |
| tcaggttcag  | tttgtcaaag | tgatgtgtgg  | taagataatc | gtttattgct  | tgttggaaaca | 420060 |
| ttttttctta  | gttaaagata | acatatataa  | ataacgaaga | atgaataatg  | accaacgagc  | 420120 |
| aagactgcat  | tgtaaagtaa | ctgtctgctc  | aatttgtcat | tatccattct  | tcattcagta  | 420180 |
| gtctttattt  | caagcgagct | tggatagctt  | tagactcttc | ttcgtatccc  | ggtttgttca  | 420240 |
| gcagggcaaa  | catattcttc | ttgtaagcct  | ctacaccgg  | ctgggtgaat  | ggatttactc  | 420300 |
| cgagcaggta  | accgctgata | ccgcaagcct  | tttcgaagaa | gtaaatcaac  | tgtcccagat  | 420360 |
| agtattcgtt  | cagtttcgga | acgctgacgc  | gcatgttagg | aacaccgccc  | tctacgtgag  | 420420 |
| ccagctgagt  | accagttcgc | gccatcttgt  | ttacttcgtc | tacacgtttt  | ccggcaagga  | 420480 |
| agttcagacc  | gtccagattt | tcttcgtcag  | aaggtagcgc | gagttcgtgg  | ttcggagttt  | 420540 |
| cgatagaaac  | aactgtttcg | tagatggtag  | gttcgccttc | ctgaatccat  | tgtcccatag  | 420600 |
| agtgcaggtc  | ggtcgagaag | tctacagagc  | taggatagat | acctttgtgg  | tccttacctt  | 420660 |
| cagattctcc  | gtaaagctgt | ttccaccatt  | ccatgaagta | gtgaagtttc  | ggctggaagt  | 420720 |
| ttaccaagat  | ttcaatcttc | ttgccgctct  | gatacagttc | gtttcgtgta  | gcagcataga  | 420780 |

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| cttcaaccaa  | ctggtcgatg  | tcgatgcctg  | caactgcgat  | aggaagcaaa  | cctaccggag  | 420900 |
| taagaacaga  | gaaacgtccg  | cctacattgt  | caggaataat  | gaatgatttg  | taaccttcct  | 420960 |
| tgtcggcagt  | tacacgggct  | gcacccttct  | tagcgtcggg  | tacagcaacg  | atgactttac  | 421020 |
| gtgccatttc  | cttaccgcgt  | tggctcttcg  | attgcttttt  | caacaggcgg  | aaagccaaag  | 421080 |
| ctgtttcggg  | agttgtaccc  | gatttagaga  | tattgattac  | accaaatttc  | ttgtctttca  | 421140 |
| ggaaagaagt  | cagctcgtac  | aagtaatctt  | caccaatggt  | gtgtccggca  | aagatgatag  | 421200 |
| taggctgtcc  | ggctttcttt  | tcttgcaacc  | acaagaagct  | gttgacata   | gcttcgataa  | 421260 |
| cggcacgggc  | accagatag   | cttcgcgcca  | taccagcaac  | aactacaact  | tcacagtttt  | 421320 |
| cgcgcagAAC  | ctgtgcggta  | gctttcaagt  | cgtccagatg  | ttcttttttg  | atagaagaag  | 421380 |
| gtaaatgcaa  | ccagcccagg  | aaatcatttc  | ccagtcctgt  | acctttttcc  | aatgtttcca  | 421440 |
| tacatgctct  | tactttgggt  | tcgtaagcag  | ctagtttgct  | tttgaaata   | aaacctaaag  | 421500 |
| acttgttgat  | gtcaagttta  | atattttcca  | taaatattcc  | tttattatct  | gaatgaatca  | 421560 |
| gtcagtaatt  | tgatttcaat  | catcggagaa  | atccgttcat  | acaaaatatt  | gtaaacggcg  | 421620 |
| tccactatcg  | gcatgtttac  | gtgcagggtg  | ttgttcagct  | ccttgataca  | tttagtaccg  | 421680 |
| taatagcctt  | cggctatcat  | ttccatttct  | atctgtgcac  | ttttcaccga  | atatcctttt  | 421740 |
| cctatcatcg  | ttccgaatac  | acggttacgg  | ctgaagttcg  | agtacgaggt  | taccagcaag  | 421800 |
| tcgcccagat  | aagctgagtc  | gttcgtgcac  | cggttcaccg  | gatgtaccgt  | atcgagaaag  | 421860 |
| cggttcattt  | cctgaagagc  | attcgaaacc  | agtaccgcct  | ggaagttatc  | tccgtatttc  | 421920 |
| agtccgctgc  | atataccggc  | agcgatagca  | tacacattct  | tcaagacaga  | cgcatattct  | 421980 |
| atgcctgcca  | cgtcggatatt | aaccgatgtc  | ttgatataat  | gtcccagagag | ttgtcgggca  | 422040 |
| aacatctttg  | ctttttcaat  | gtccttgcat  | cctaccgtga  | ggttaagacag | gcgttctagt  | 422100 |
| gccacttctt  | ctgcatggca  | tggacccgcc  | agtacggcaa  | tgttctcttc  | gggcacgtcg  | 422160 |
| tacatttgat  | gaaagtagtc  | ggatacaatc  | aggttctcgt  | cggggacgat  | acccttaata  | 422220 |
| gccgttacaa  | tgaacttatc  | cttgagtttc  | gttttttagct | ttttaagggtg | gattttcaga  | 422280 |
| tacggagaag  | gagtgacgaa  | tatcagtgtg  | tccgattcct  | ttactacctt  | atttatatct  | 422340 |
| gaagagaagt  | tgatgcacct  | catgtcgaag  | cgcacgctag  | tcaggtaagc  | cggattatgg  | 422400 |
| cccagacgcc  | ggaattcttc  | aatccggctg  | tcgcggcgca  | tgtaccagtt  | tattgagtct  | 422460 |
| gcctgggtca  | atatgatttt  | ggctattgcc  | gttgcccagc  | ttcctccacc  | catgattgct  | 422520 |
| attttcccgg  | ggagtttcat  | tttagcctat  | tttctgtatc  | cagccagcta  | cttcgtcgac  | 422580 |
| gctaggattc  | ttcaattcta  | atttatattt  | tttattcact  | ccgcaaattgt | cctgatgcag  | 422640 |
| tttctgcgga  | ttacatcctt  | tcatatccga  | aaccagattg  | tatcctgctt  | tctggatgac  | 422700 |
| aggtaacctat | tcttcaggaa  | caccagctc   | catgaatttt  | gccggagcat  | ctttcgggat  | 422760 |
| aaccttttcg  | ggacgcatct  | gcgggaagaa  | caatacttcc  | tgaatgggtg  | tctgtccggg  | 422820 |
| catcaacata  | accagacggg  | ccataccgat  | acccaaaccc  | gatgtaggag  | gcataccgta  | 422880 |
| ttccagtgcg  | cggataaagt  | ctttatcgat  | aatcatggct  | tcgtcgtcac  | ccttttctact | 422940 |
| cagtcgcatc  | tgctcctgga  | agcgttccaa  | ctggtcgatc  | ggatcgttca  | gctcagaata  | 423000 |
| agcgttgacg  | agttcctttc  | cgtttaccat  | cagctcaaaa  | cgttctgtca  | gggtccggatt | 423060 |
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| ctggatataa  | ttgccttcgc  | agaattcgcc  | gaagatttcg  | tcaatcagct  | tacctttacc  | 423180 |
| catggtgtcg  | tcgatttcca  | tggttcagctt | cttgcatact  | tcacgtattt  | gatcttcggt  | 423240 |
| catgccgggtc | aggtcataac  | ccgtaaatcc  | tttgatagag  | tcgagcatgg  | taactcgttt  | 423300 |
| gaacggagcc  | ttgaagttga  | ttgtattgtc  | gccaatcttg  | atcttctgtt  | taccgtttac  | 423360 |
| atccatacag  | atctttttcaa | tcagtgtttc  | agtaaagggtc | atcatccagt  | tgtaatcctt  | 423420 |
| gtaggcaaca  | tagattttcca | tacaggtaaa  | ttccggattg  | tgtgtacggg  | ccataccttc  | 423480 |
| gttacggaag  | ttcttttcaa  | tttcgtatac  | accttcgaat  | ccgcctacaa  | tcagacgttt  | 423540 |
| caggtaaagt  | tcgctggcga  | tacgcatata  | caatggaata  | tccagtgcgt  | tatggtgtgt  | 423600 |
| aatgaacggg  | cgtgcagttg  | ctccacctgg  | aatagactgc  | aggataggag  | tttctacttc  | 423660 |

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|            |             |            |             |             |             |        |
|------------|-------------|------------|-------------|-------------|-------------|--------|
| tacatatcct | tttgagttga  | agtactcacg | catcgaattg  | tacacttttag | tacgtttcag  | 423720 |
| gaagatttct | tttacaccgt  | cgttgacaac | caggtctaca  | taacgctgac  | gatagcgaag  | 423780 |
| ttcgggatcg | tcgaacttat  | cgtaagctac | accgtccttg  | tatttcacga  | taggcaacgg  | 423840 |
| acggatagat | ttcgacagca  | cggtcagttt | ctgtgcatgg  | atggaaattt  | ctcccatctg  | 423900 |
| tgtgcggaat | acgaaacctt  | cgataccgat | aaagtcgccc  | aagtcgagca  | gacgtttgaa  | 423960 |
| tactacgtta | tataaatctt  | tgttttcgtc | cgggcatata  | tcatacacggg | taatgtatac  | 424020 |
| ttgaatacga | ccttttagagt | cctgtaattc | aatgaaagaa  | gccttaccca  | tcacacgacg  | 424080 |
| tgacatgata | cgtcctgcaa  | ccgatacttt | gcgcggttct  | gcttcgtcgt  | ccttgaattc  | 424140 |
| ggcttttatg | tcagtcgaaa  | acgcgttggg | tacatactcg  | gcagcagggg  | atggatcaat  | 424200 |
| gcccatacgt | ctcaattcat  | tcaggctgtt | acgtctgata  | atctcctgtt  | cacttaattc  | 424260 |
| taatacgttc | atgtgttgat  | acattaactc | aatttttgcta | caaaaatagc  | aaagattttg  | 424320 |
| taaacaacat | ctaaatcaac  | ttacttttat | tacctttggg  | ctgacggaat  | tttggaatac  | 424380 |
| ggacataaaa | atgaataaac  | agactacatt | tttgaaggtg  | actgtcttgc  | agacggatat  | 424440 |
| cgtctgggag | gatgcggttg  | caaaccggaa | gcgcatagaa  | aagctggtgg  | aaagggcagga | 424500 |
| ggatacggat | ttgttcgtac  | ttcccagagt | gttttctacc  | ggtttcagca  | tgaatcctgt  | 424560 |
| ggagattgcc | gaaaaggaag  | agggagaaac | gttgcaatgg  | atgcgccgga  | tggcggaaga  | 424620 |
| gcatcgggtg | gctcttgagg  | gaagtctttc | agtcagtgag  | tcgggaatgt  | tttataaccg  | 424680 |
| tttttatttt | gtctgtcccg  | atgggacgat | acaccgttac  | gacaagcggc  | atctgtttac  | 424740 |
| tttcggtggc | gaggataagc  | ggtatatacc | cgggtgaaag  | cgggtgatcg  | tttcgtatgg  | 424800 |
| cggctttcgg | atacttttgc  | agatttggtt | tgacttgctg  | tttcctgtgt  | ggtcacgttg  | 424860 |
| ccgcaacgat | tatgatgtgg  | cgatttatgt | agccaactgg  | cccgttggtc  | gtcgggaggt  | 424920 |
| atgggataca | ctgctgctgg  | cacgggcact | cgagaaccag  | tgctatgtgg  | ttggtgtaaa  | 424980 |
| ccggacaggg | catgatccgc  | agtgttctta | caacggcggc  | agcgtaatca  | tcaatcctta  | 425040 |
| tggcaagctg | atggcatcgt  | gtgaagatga | caaggaagaa  | actgcatcgg  | ctgttcttgc  | 425100 |
| ccgcgagccg | ctggacacat  | tccgaaaaca | ctttccgggtg | ctgggcgatg  | gggatgattt  | 425160 |
| caatctgagt | ctttaggctt  | tttcagaact | cgtggaggca  | ttgattttca  | atcgtctgca  | 425220 |
| tctgtcccga | aaaacatccc  | gatgtttttt | tattttttgt  | acaaaaaaca  | aaaaagtttg  | 425280 |
| tacaaattct | gggcgaaagt  | tgatagggta | ttcgggctga  | taagctgaat  | tttagacggg  | 425340 |
| tagttggcag | gaaatgcata  | aaaattgtat | ctttgtacat  | ccttcgtttc  | aaaataagaa  | 425400 |
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| ttcatgccgt | cggaccgatt  | atgtggcagg | gctctacgtt  | cagtttcggc  | atgggagtcg  | 425700 |
| cactgctgat | actgatgtcc  | ttgtgtgccg | agccactgat  | tcgcttgctg  | attacttccg  | 425760 |
| ataccatttt | ccatgccacg  | tatgagttct | ttacctggcg  | tatctgggga  | tttttgttcg  | 425820 |
| catttgtgaa | tgatcatgtt  | cgggctttct | atattggagt  | tactcaaacc  | aaggtgttga  | 425880 |
| ctatgagtg  | tatcgtcatg  | gcactgggtc | atgtctttct  | ggattatgcc  | atgatattcg  | 425940 |
| gagaattcgg | ctttccggag  | atgggggtac | ggggagcagc  | gctggcctcg  | gtcatcgcag  | 426000 |
| aagcttcttc | cttgctgttt  | ttcattgttt | atacctattg  | caagatcgac  | ttgaaaaaat  | 426060 |
| atggtctgaa | ccgtttcggc  | cgtttcgact | gggacatggt  | gatgcgtatc  | ttgcatattt  | 426120 |
| cctgttttac | catggtgcag  | tattttctgg | cgatggctat  | ctggtttctg  | tttttcatgg  | 426180 |
| cgttggaaac | gctcgggtcag | cgtcagcttg | ccatagccaa  | catcgtgcgc  | agcgtgtatg  | 426240 |
| tcgtgcttct | gataccggta  | cagtcgcttt | ccactacggc  | aaatacactg  | gtcagcaacc  | 426300 |
| tgatcggttc | gggaggagtt  | tcgaaagtca | tgacattgct  | gcataaaata  | gctcgcgatg  | 426360 |
| cgtttctcat | catgggtgtc  | tgtgtggtac | tctgcgtttt  | gtttccgcgg  | gttatcctgg  | 426420 |
| cagtctatac | caacgaggag  | gcattgctgc | tggaatctgt  | accggcttta  | tatgtggtgt  | 426480 |
| gcggggcgat | gctgatatct  | gccgtggcaa | atattttatt  | caacggaatc  | tcgggcaccg  | 426540 |



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|             |             |             |             |             |             |        |
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| tcattgtagt  | gggaatggta  | ctgctgtctc  | cggtcgatat  | ttgcttttact | accgaaatca  | 426660 |
| tttattatac  | gttgatgctg  | actttcagca  | tcgtttatct  | gaaaaaagcg  | aatggcgaga  | 426720 |
| ataaaaagat  | ttgatgcatc  | cgattatttt  | tgtaattttg  | cgccctaata  | aaataaggaa  | 426780 |
| ataaaaagaa  | aaactgaaaa  | tatatgttcg  | ataattttaag | tgaaagacta  | gagcggctcg  | 426840 |
| ttaaaaatatt | gaaaggtgaa  | ggaaaaatca  | ccgaaatcaa  | tgtggccgaa  | acactgaaag  | 426900 |
| atgtacgtcg  | tgcgttgctg  | gatgccgatg  | taaactataa  | agttgccaa   | aactttaccg  | 426960 |
| atacggtaaa  | agaaaaagca  | ctgggacaga  | acgtgtcac   | agccgttaag  | cctagccagt  | 427020 |
| tgatggtaaa  | aatcgttcac  | gacgagctga  | caaagctgat  | gggtggcgac  | acggccgaaa  | 427080 |
| tcgaattgaa  | gaatcgctct  | gccgttattt  | tgatgtcagg  | tttgcagggg  | tctggtaaga  | 427140 |
| ctacattctc  | gggtaagctg  | gctcgtatgt  | tgaaatcgaa  | gaagaaccgc  | aagccgttgc  | 427200 |
| tggtagcctg  | cgacgtgtac  | cgctctgcgg  | ctatcgaa    | gttgaagggtg | ctgggtcagc  | 427260 |
| agattgaggt  | tcctgtatac  | agcgaacccg  | acagcaagga  | cccgttcag   | attgcattga  | 427320 |
| acgctattca  | ggaagctaag  | gcaaaagggt  | acgatctgg   | tatcgtcgat  | acagccggac  | 427380 |
| gtcttgccgt  | agacgagcag  | atgatgaacg  | agattgaagc  | tatcaagaaa  | gcaatcaatc  | 427440 |
| cggacgaaac  | actgttcgta  | gtcgatgcaa  | tgaccggtca  | agatgcagtc  | aatactgcc   | 427500 |
| gtgagttcaa  | cgaacgtctg  | gacttcaacg  | gcgtggttct  | gactaagctc  | gacggtgata  | 427560 |
| ctcgtgggtg  | tgctgcgttg  | tctatccgta  | ccgtagttaa  | caagccgatc  | aagtttatcg  | 427620 |
| gaacagggtga | aaagctggat  | gcaatcgacc  | agttccaccc  | ggctcgtatg  | gcagaccgta  | 427680 |
| tcctcggaat  | gggtgatata  | gtttcactgg  | tagaacgtgc  | acaggagcag  | tacgatgaag  | 427740 |
| aagaggctaa  | acgtcttcag  | aagaagattc  | agaagaacca  | gttcgacttc  | aacgacttcc  | 427800 |
| tgactcagat  | tcatcagatt  | aagaagatgg  | gtaacctgaa  | ggaactggct  | tccatgattc  | 427860 |
| cgggtgtagg  | aaaagccatc  | aaggacatcg  | atatcgatga  | caatgcgttc  | aagagcatcg  | 427920 |
| aagctattat  | ttactcaatg  | actccgcagg  | aacgtacaca  | tcctgaaatc  | ctgaacggaa  | 427980 |
| ctcgccgtac  | acgtattgcc  | aaaggtagtg  | gtacgagcat  | tcaggaagtg  | aaccgcttgc  | 428040 |
| tgaagcagtt  | cgaccagact  | cgcaagatga  | tgaagatgg   | taccggcagc  | aagatggcgg  | 428100 |
| gcatgatgca  | gaagatgaaa  | aagaaataaa  | ccatatttgg  | ttaattgata  | cgggaactgc  | 428160 |
| ttcgttgtag  | gcaggtgccc  | gaaggaagtg  | gggagagggg  | atcgctagag  | aaaaagattc  | 428220 |
| tttctccccg  | cttggtttgt  | atgctttcag  | gcggccccga  | tacctattag  | gataattctg  | 428280 |
| cgacgaagta  | agcaagtgat  | aatgtgaaac  | atcattttgga | agtctgaaaa  | aatcccgcgt  | 428340 |
| ccttagggag  | gttttggtg   | gatactat    | ttcgacaaga  | ataagtcttt  | taaaactata  | 428400 |
| tagcaatgaa  | acgtaagata  | tggagttatg  | cccttggcgt  | gacaatggct  | ttgtcgcttg  | 428460 |
| ccagctgcgg  | caacagtgca  | aaaaaacaag  | cagatgaaaa  | aatgagtgca  | gacagtatga  | 428520 |
| atgtaacaag  | taatcaggca  | ggattgcaag  | gagatagtct  | tttgtcgacc  | tgcgtactcg  | 428580 |
| acggagtaaa  | agcaacatgg  | attcgggata  | acggtcccgc  | acggctgatg  | cctcgtacgc  | 428640 |
| ttttccccga  | tgcaagcgat  | gagctgatca  | aaagtctttc  | gctggagaac  | ggcataccgg  | 428700 |
| cttctatcag  | taccttcttg  | gtagaaagcg  | acggtgtacg  | tattcttttc  | gatacgggaa  | 428760 |
| tgggagctcc  | cgacagtcga  | ctgatggacg  | gactgcgttc  | gttgggggta  | tctccggccg  | 428820 |
| atattcagta  | tatttacctg  | acacatttcc  | acggcgatca  | catcgggtgga | atgatgaaaa  | 428880 |
| acgacagtgt  | ggtatttccg  | aatgccgaag  | tgtatgcttc  | aaaagcagaa  | tacgacggct  | 428940 |
| ggatgaaaat  | gcctgccgac  | aagaaagagc  | aggtggtaaa  | gatcatgaat  | gcatacaaga  | 429000 |
| accgtctgca  | cttggttgct  | ttcggcgata  | cactgcccgg  | aaaggtcgtt  | gcacgcgaag  | 429060 |
| cgataggaca  | tacaccgggg  | catacgggtc  | atcaggctgg  | caagctgctg  | gtcatcggcg  | 429120 |
| acctgatgca  | tgggtgcagcc | ttgcaggcag  | gacatccgga  | aatctgtgca  | acctacgaca  | 429180 |
| tggataagga  | gaatgcgata  | aagtcccgta  | aaacctat    | gcagtatgcc  | cgtgaaaacg  | 429240 |
| gactggtaat  | ggcaggtatg  | catctaccgg  | ttcctgcttt  | tatgaaataa  | aatTTTTTga  | 429300 |
| gtgaagtttc  | tcggaactgt  | aaaaagggtat | atgagagata  | taaagaaagc  | ccctgtcatt  | 429360 |
| ttcctgaagg  | aaatttgata  | ggggctttct  | atgtttgtct  | gttagttgcc  | aattaaattt  | 429420 |

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|             |            |            |            |             |             |        |
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| gcaggtgatt  | gcggctgtaa | aaagcacctg | cgctcagctc | ttcattttgc  | agtttgatgg  | 429540 |
| taccgctctc  | gtattcggca | taatattcca | ccatgatgcc | gctgggatag  | ggccaaggct  | 429600 |
| ggctgccgaa  | gtacttcagg | ttcttgaggg | tcagtcccgt | ttcttccatc  | acttcccggg  | 429660 |
| aaacacactc  | ttccaatgtt | tctcccgggt | caagaaaacc | agccaccagt  | ccgttgaagg  | 429720 |
| tgccccggaa  | gttgccggga | tgactaata  | agatactatc | accttttttt  | atcagtacaa  | 429780 |
| tgaccgccgg  | tgaaatacgt | ggataaaact | cctgacggca | ttcggggcat  | cgtttggcga  | 429840 |
| tgggagaaac  | ctgtactgta | ggtacgccgc | acatggggca | gtacgggctg  | ttcttgtccc  | 429900 |
| agttcaatat  | ttgtgaagcc | tttcgggcac | gcttgatttc | ttccagcgga  | agcacatcga  | 429960 |
| acgaagcacg  | caagtccttc | atcatgcggg | gactgctttc | atctccgggt  | accggaacgt  | 430020 |
| gaatggcgta  | tgttttggcg | ggataaccgt | ttatctcgcc | gatggtatga  | atggtacttc  | 430080 |
| ccacaggtag  | tgctaccgga | ggttctgttc | cgtaaggaa  | atgataacca  | tccgcttttt  | 430140 |
| tctctatcag  | gacttgtccg | ctattgaaga | cgaaccatcc | acatgtttgt  | ttttctgttt  | 430200 |
| ccattaatta  | agtcctttca | ttgtaagctg | aatgcgcttg | cgttcgtggg  | cgatgctgag  | 430260 |
| cacgcgcaca  | cgtacatgct | ggtgcatgct | gacgactgtc | gtcgggtcac  | tgacaaactt  | 430320 |
| gtcggcaagc  | tgggagatat | gcaccagtcc | gttttccttg | attcctatat  | ctacgaagca  | 430380 |
| cccgaataa   | gtaatatgtt | tgatgatgcc | gggcagttcc | atgccttccc  | gcaggctcgtc | 430440 |
| gatggtctgc  | acgttcttgt | cgaactcgaa | gacctgaatc | ttctggcgcg  | ggtcacgtcc  | 430500 |
| cggtttatcc  | agttcctgca | tgatatcggt | cagtgtaggc | agtcccacgg  | tatcggtcac  | 430560 |
| atagttcttg  | atatctatct | ggctgcgcaa | gtccttggtc | ttgatcaggt  | cggcaacgga  | 430620 |
| acatttcaag  | tcctttgcc  | tcttttctat | gatagcataa | ctctccggat  | gcacggccga  | 430680 |
| attgtcgagc  | gggttgctag | cgtgtggaat | ccgtaagaat | ccggcacact  | gttcgaatgc  | 430740 |
| ctttgctccc  | atacgcggt  | ccttcagcaa | ttccttgctc | gaatggaatg  | caccgttttc  | 430800 |
| tgacagatag  | tttacgatgt | tttgagccag | cgtaggtccc | agtcccga    | catacgtcag  | 430860 |
| cagatgcttg  | ctggccgtat | tgacattcac | gccgaccagg | ttcacgcaac  | tctccaccgt  | 430920 |
| ctggtcgagc  | gatgctttca | gcttagtctg | atccacatcg | tgctggtatt  | gtcccacccc  | 430980 |
| gatggatttg  | gcatctatct | tgaccagttc | ggcaagcggg | tccatcagcc  | ggcgaccgat  | 431040 |
| tgacacggct  | ccacgtaccg | tcacatcgta | ttcgggaaac | tcctcgcgcg  | caatcttgga  | 431100 |
| ggcagaatag  | atggaagcac | cgtcctcgct | gactacaaat | acctgtactt  | cgcggtcgta  | 431160 |
| tcgctgggac  | gtaacgaaac | gttcggtttc | acgacttgcc | gtaccatttc  | caatggcgat  | 431220 |
| ggcttctatc  | ttatatgttt | cgaccagttt | gacaagcttg | cgcccggcca  | gagccgtttc  | 431280 |
| cgatttttgt  | ggatgcggat | aaatcgcttc | gttgtgcagc | agattgccct  | gagcgtccag  | 431340 |
| acagaccacc  | ttacagccgg | tacgatatcc | cgggtcgatg | cccatggtac  | gcttttgtcc  | 431400 |
| caacggagga  | gccagcagca | gttgccggag | attttcggca | aagacacgga  | tagcctcttc  | 431460 |
| gtccgccttt  | tctttgctga | gtacggaaaa | ttctgtttct | atcgctggtt  | tcagcagtcg  | 431520 |
| cttataggca  | tcgtttacag | cttctgccac | ttgtgcggaa | cattccccgt  | ttccgtgtac  | 431580 |
| atattgcctt  | tccagccgtt | cggtagcagg | tgtttcatcg | tcgggagtg   | ttgaaacctt  | 431640 |
| caggataacct | tcggcttctc | cacgacggat | ggcgagcagg | cgggtgagagg | tacatttctt  | 431700 |
| cagcggttca  | ctgaagtcga | aatagtcgag | gtatttcaga | gcagcttctt  | ctttctcttt  | 431760 |
| gcctttgact  | actttcgaga | taatcatggc | ctgacggctg | aactggtttc  | gtatcagggt  | 431820 |
| gcgggcacgt  | tcacttctgt | tcacttgctc | ggcgatgatg | tcgctgtctc  | ctttcagcgc  | 431880 |
| atcttcttcg  | tccttgactt | ctcccttgac | gaacgaacgt | acccgggcag  | acaaattgtt  | 431940 |
| ttcccgtctg  | atcaacagca | gcatagcaag | cggttccagt | cccttctggc  | gtgcaacctc  | 432000 |
| ggcacgagtt  | ttccgttttg | gcttgaaagg | caggtaaata | tcttccagtt  | ccgtcgtatc  | 432060 |
| ccaacagttg  | gtaatacgtt | cacgcaaggc | atcggtcagt | tttccctgct  | cttcgatagt  | 432120 |
| agaaagtacc  | gtttcctttc | gcttggcaag | ttcgagagc  | ttttcgtaac  | gcgtatggat  | 432180 |
| atcacctatc  | tgtacctcgt | cgagtcctcc | ggtcgcttct | tttcggtaac  | ggcttataaa  | 432240 |
| gggtatggta  | gcacctccct | gaagcagttt | caaggtattt | tctaccgat   | ggacaggtag  | 432300 |

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|-------------|-------------|-------------|-------------|-------------|------------|--------|
| tttcagggca  | gtggcaatca  | tttggctgaa  | ttgttccatg  | tatacttttt  | ctaataatgt | 432360 |
| ggcacaaatg  | taattaaaaa  | aaaagattcg  | gggtgaggag  | agaagttatt  | ttgaaggtga | 432420 |
| tttaccgacc  | ggtttaagct  | ttattcgggt  | ttgagaaaag  | ttcgttgacc  | gagaatgtgg | 432480 |
| acgaagaggg  | cagggaaata  | gtgactaacg  | ctacgtatag  | gcaggcagtc  | gaacttgga  | 432540 |
| atthttgtcag | tttttagagat | gaaatatcaa  | gcagaagaat  | gaagtacaag  | aggaaatcag | 432600 |
| tcggattgga  | gggaaaagga  | attgcaaaga  | tttttgttgg  | ttcaattgga  | ggccgaaacg | 432660 |
| tagtaatggc  | acatgatacg  | aagaaacggc  | aaggatgtct  | gctgttcaaa  | cttgttcccg | 432720 |
| aaacataata  | atggcatgtg  | ataaagaggg  | acaagcaata  | atgtctgctg  | gtcaaagctt | 432780 |
| tgaanaatgga | gatcgataca  | atgaactttt  | agagaaaata  | gtttgttact  | gttttagatg | 432840 |
| aaatagtctt  | tcgtgaatat  | attatgtgac  | aacttaaact  | aatgtatgac  | ttatgaataa | 432900 |
| cagacgaagt  | gtctgggtgcg | tcattctttt  | ttctttttta  | ggcatatcag  | taacaatggc | 432960 |
| gcaggagccg  | gaaaaaaaaga | agcactgggt  | atgggaactt  | tacgggggcg  | tgaacaatta | 433020 |
| tatgacatgg  | gaagtggaaa  | cgggtgtcgt  | atataagccc  | tggcgtttta  | ttggcgttgg | 433080 |
| agcgggattg  | ctttttacta  | caactgataga | tgatgacaag  | gtttattcgg  | gagatgtcaa | 433140 |
| agataaaaaa  | ttacgctgggt | gtatagagga  | gaaagatttg  | acatatctca  | tggctttccg | 433200 |
| ttcgggaatt  | tacttgtatt  | cacctcctgt  | ttatctgaat  | catgatcgtg  | atgtggcatt | 433260 |
| gtcttttcgt  | gtatctcccg  | gtattactat  | acctttgcct  | cccaattcaa  | gtgccattgt | 433320 |
| agattatgtc  | ccagaggatg  | cagttctcga  | tgtgccggta  | acatcagaaa  | gtgtcagcag | 433380 |
| ttcacatgca  | agggcatgtt  | attatcatgt  | acggtttgcc  | gtggctttgg  | aaatggaacg | 433440 |
| tctatcgata  | ttgttgggat  | atacgacatc  | tgattatgat  | ttgtatggag  | ggagccgtaa | 433500 |
| catggtgggtg | ggaggacaga  | aaataggatt  | gccccacaag  | aagcagaccg  | gcacgttctt | 433560 |
| tatcggactg  | acctacgact  | tttgagcata  | taaaaagaaa  | accctgccac  | ggcctgacag | 433620 |
| cacgcgacaa  | ggttttcgta  | attatgggaa  | ttatctgcgg  | tagaaacgca  | gctcattttc | 433680 |
| caacgttttt  | actctgtttt  | gcaagttttc  | tattcttttc  | agcaagtgcg  | ggatggcatc | 433740 |
| gattccctct  | atattgatgg  | acaagtcata  | atatagatgg  | gtgtattttt  | ccagctcatt | 433800 |
| caactgagaa  | gccggaaagt  | aactggtatt  | atcgattact  | tcgatattcta | ttaagccgcc | 433860 |
| ttcggcccagc | atgaggacga  | agtcgggttc  | gatattgcaa  | tgtgtgcaat  | aatcgtttat | 433920 |
| gatgattaaa  | tcgttctgca  | tagtcgtacg  | gttttaaaatt | atccttgctg  | taactgtcgg | 433980 |
| aacaaatctt  | tctgtttttc  | cgtcagcgtg  | gtaggaatag  | ttacgtgata  | agttacaatc | 434040 |
| aggtcgcctg  | ttgcgccttc  | ctgcttgtag  | acagggaaac  | ctttaccttt  | caggcgtacc | 434100 |
| atcgcatcat  | tttgagtacc  | cggacgaact  | ttcagtttta  | cttgtccgtc  | caatgtattg | 434160 |
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| ccgtcgggtc  | caccgttggc  | tcccttgcc   | ccatgacctt  | tcaatttgat  | aacctgtccg | 434340 |
| tttgccactc  | cggccgggtac | ggttaatacgt | aatgtttcac  | cgttgatgct  | gaacgtttgc | 434400 |
| ttgtgcgtag  | tagccgcttc  | acgcaaagac  | agttgtaaag  | aagcctcaat  | atcctgtccg | 434460 |
| cggaatccgc  | cccttgcaact | acgtcctctg  | ccggctccat  | gtccgaacag  | ctcttcgaag | 434520 |
| aagtcggaga  | atccgctggc  | atttccacca  | aatccgtgca  | tgcctttctc  | tccaaagcca | 434580 |
| cttgtaaaaat | gttgctccgtc | ggtagaatac  | caatattctc  | cgccgttatc  | tccctccgct | 434640 |
| tgagcccgat  | aagcctgttg  | ttgtgcctca  | aactcgtcgg  | cgtgtttcca  | gttctccccg | 434700 |
| taagcatcgt  | atttcttacg  | cttttcgggg  | tcgctcagta  | cctcgttggc  | ttcattaatc | 434760 |
| gcctgaaact  | tatccttggc  | cgtagggctg  | ttcggattca  | agtccgggtg  | atatttgcgc | 434820 |
| gccaacttac  | ggaacgcttt  | cttgatatcg  | tcctgggttg  | ccgttttgtc  | aactccaaga | 434880 |
| accttgtaat  | agtctatata  | agccatacag  | tctgtttttt  | ttgttaatga  | atgacacaaa | 434940 |
| gaatgtgcca  | cgttgtcctt  | ttgttaacag  | acttttaacc  | atattgaaag  | ctatttatct | 435000 |
| ttttcaagggt | ttggcagggt  | gttttcttcc  | attatctttg  | tggtattgaa  | ttaatcatgg | 435060 |
| tatgcggagt  | ctgacaaatt  | gtcgcttgta  | tgccgtctta  | atctattaat  | ttgttatgaa | 435120 |
| attactgatt  | tgctgataa   | cgcttttagg  | gcttggaagc  | ctgagcgcag  | ttcatgcttc | 435180 |

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| cccttatgat  | tttattcgta  | ataaacccat  | gaaagggagc  | ctggcccgtg | tgtcttcgta  | 435300 |
| tgtgaaagaa  | cagcgggaga  | agtatgaaaa  | tgtcatactg  | atggacaacg | gcgatattct  | 435360 |
| tcaaggacag  | cccgttgctt  | attactataa  | ttatatggat  | acaatatcgg | agcatgtatg  | 435420 |
| tgccgcatg   | ctgaattata  | tgaagtacga  | tgtaggtaca  | atgggtaatc | acgacgtaga  | 435480 |
| aaccggacat  | gccgtgtacg  | accgatgggt  | gcgtcagtc   | aactttccgg | tgttgggagc  | 435540 |
| caatatcgtc  | gataacaaga  | ccggaagcc   | gtatctgcc   | ccttatcagg | ttatagagaa  | 435600 |
| agaaggggtg  | aaaatagcca  | tactcgggtat | gataactcct  | gccattcctt | cgtggcttcc  | 435660 |
| cgagcagttg  | tggagcggtc  | tgcattttga  | agacatggaa  | gactgcgcac | gcaagtgggt  | 435720 |
| gaaaaattatc | cgtgagaagg  | aaaatccgga  | tgttttagta  | ggactgtttc | atgccggacc  | 435780 |
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| tccgggcttc  | gatgtggtat  | ttatgggaca  | cgatcatacg  | aggagatatg | agaaagttagt | 435900 |
| caatgtagaa  | ggggattctg  | tcttgttgat  | tgatccagcc  | aatatgtcaa | aggtggtttc  | 435960 |
| ggaagttact  | tttacgataa  | agaaacagga  | tggaaaagtc  | gtttccaaac | aggtagaagg  | 436020 |
| taagctggta  | aacatggacg  | gctatgcacc  | ggatgcggat  | ttcatgaata | tattttcagg  | 436080 |
| agcgtatgaa  | accactatgg  | attttgtttc  | gcggaacatc  | ggacgaattg | agcataccat  | 436140 |
| ttcttcaaaa  | gaggcattct  | ttggtccttc  | tgcttcgctc  | gatttgattc | atcagttgca  | 436200 |
| actggatatt  | accggagcgg  | atatttcatt  | ctgtgctccg  | ctgtcggctt | atgcggaaat  | 436260 |
| caagaaaggc  | gatatctgtg  | tgagcgacat  | gtttaacctg  | tataagtatg | agaacctgct  | 436320 |
| gtataccatg  | aagctgacag  | gcaaggaaat  | caaggatttt  | ctggaaatgt | catatgcact  | 436380 |
| ttggacaaat  | cagatgcaat  | ctcccagca   | tcacctgatg  | ttgctcaatg | aggaagataa  | 436440 |
| tggattcggc  | cgtttcaaga  | atccaagttt  | taatttcgat  | tcggcggcag | gtattattta  | 436500 |
| taccgtggat  | gtgacgaagc  | ctcagggaga  | aaagattcgg  | atagagcgta | tggcaaaccg  | 436560 |
| agaacctttt  | gatttgaata  | agacctatcg  | ggtggcggtc  | aactcatatc | gtggaaaccg  | 436620 |
| cggaggtgat  | ttgctgacga  | aaggtgcagg  | cattcccaaa  | acagaattgg | caaaccggat  | 436680 |
| cgtttattct  | accgataaag  | atttacgcta  | ttatctgatg  | aaacgtattg | aggaggtaaa  | 436740 |
| ggtgctcgat  | cccaaaccct  | tgaatcagtg  | gaaatttatt  | ccggaagagt | ggactgttcc  | 436800 |
| tgcttcgaaa  | agagattatg  | atatcttggt  | cggagagaaa  | gcttcggaat | aggatgtgtc  | 436860 |
| actgaaaatg  | tgggcggaaa  | tgaagagaaa  | cgtgccgatg  | ttttactgca | aacgtcggca  | 436920 |
| cgttttttct  | tgtaatcgca  | ggccgtttca  | atcggttggt  | tgaggctgta | aaacgaaaaa  | 436980 |
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| aatttgcatac | gcttttcaca  | aataaggcac  | tgccgaaata  | actcagttgg | tagagtaact  | 437100 |
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| acaacaaaaa  | aggtaacatt  | atggaaaaga  | cagaaacaaa  | gtacgttaag | cgcacacaaa  | 437280 |
| aagattacag  | tatgtccttt  | aaactatcag  | tagtgcaaga  | gtatgaaacc | acaaaaataa  | 437340 |
| gtttgggagc  | gctgaaacga  | aatatggga   | tacaaggatg  | ttcaactatt | agccgttgga  | 437400 |
| ttgaaaaata  | tggtaacttt  | gatatcacia  | acaaatgtta  | ccattctatg | gaaaagagta  | 437460 |
| aggatcaaaa  | actgttagaa  | ctacaacaga  | aagtaagggt  | cctggaacgc | agaatgccc   | 437520 |
| gtctggaaaa  | ggagcttgag  | ctgaaggata  | tgaagcaga   | gtttttcgac | atgatgatag  | 437580 |
| acatagcgga  | aaaggaatat  | aatatcgaca  | tacgaaaaaa  | ctcctctccc | gaacagtcaa  | 437640 |
| taaatataaa  | gaagaaaaat  | ccgtaagtat  | cagcggaaatc | tgccgactgc | tcgggataag  | 437700 |
| caggcagaaa  | tattaccgtc  | agcaatggaa  | gataatccga  | ggccggcaaa | gggccactga  | 437760 |
| tgttgtgggc  | atggtacgag  | atatccgaat  | ggaactgcc   | cgtgtaggaa | cccgcaaact  | 437820 |
| ttatcatatg  | cttcatcagc  | cacttaagga  | gaacaaggta  | ggcagggaca | aactgttcga  | 437880 |
| tatactccgt  | gccaaccgtc  | tgcttataaa  | gcccgtagct  | tcatatcatg | taacaaccaa  | 437940 |
| ctcgcatac   | cggtttcgga  | agcacaagaa  | tctttagtaa  | agtatggaag | cgacacgccc  | 438000 |
| ggaagaaata  | tgggtttctg  | atattactta  | tattggcaat  | agaaaccggc | atatgtatct  | 438060 |

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| ttctctggtt  | acagatgctt | attccaagaa  | gattatggga  | tatgatcttt  | ccgatttcctt | 438120 |
| ggacactcaa  | ggttctttga | acgcgctgag  | gatggcaaac  | cgcaaccgac  | tgtatagggg  | 438180 |
| cacgccattg  | atacaccact | ctgaccgtgg  | tatacagtac  | tgttccgatg  | catatcagaa  | 438240 |
| attactggga  | caatatcaca | tcataccag   | catgactgaa  | tcttacgatc  | cgtacgctaa  | 438300 |
| tgccgtggca  | gaacgaataa | acggaatact  | aaaacaggag  | ttcctgcttg  | aggaacttaa  | 438360 |
| tctaccgcta  | tcagatatga | aacaggtaat  | aagggatgct  | gtctacaagt  | ataataacat  | 438420 |
| cagacctcat  | tactcttggt | ggtataaaac  | gccggagtat  | atgcatcatc  | agaagctgat  | 438480 |
| taaaaattaa  | agttacaaaa | acaaacagtt  | cagcaagact  | gaccttgctg  | aactgtgata  | 438540 |
| aataatttat  | ttttgtccaa | taactgtaac  | ggttatattag | gactagtcat  | atcgttttct  | 438600 |
| tttgcagagc  | ttatagtaat | aaatgaaaat  | aaaatcacct  | cgttattttg  | ctatttttagt | 438660 |
| ctaactgtcc  | tatttttgtg | tcaaaatatt  | acaataataa  | catttttatac | aacatgaaat  | 438720 |
| acccttttat  | ttcagcagaa | gaggctgctg  | caatcattca  | caacgggaac  | acgataggta  | 438780 |
| taggaggctt  | ttcgtcagta | ggaacaccta  | aggcagttcc  | ggaagcggtg  | gcacgttatg  | 438840 |
| ccgaaaaact  | acatgcggaa | ggtaaagaat  | ttaaagtcgg  | acttattact  | ggaggagcca  | 438900 |
| ccggctgtca  | ggtagattcg | gcactggcgc  | aagcgcgatc  | cgtgtctttc  | cgtactcctt  | 438960 |
| tccagtcgaa  | caaggacatg | cgtaatgcca  | tcaatagcgg  | cgaagtgcaa  | tattacgatg  | 439020 |
| tacatctttc  | gcagataggg | caggatgtac  | gctatggttt  | cttgggcat   | gtggatgtag  | 439080 |
| ccattgtcga  | ggcttccgat | ataacagagg  | atggggagat  | tattctcagt  | acttcggtag  | 439140 |
| gtatttcgcc  | tacactgttg | aaagtagctc  | acaaagtcac  | tattgaactg  | aacgaagcac  | 439200 |
| ataccggcaa  | gctgaccgga | atgcacgata  | tttatattcc  | tgaaactccg  | ccgtgccgaa  | 439260 |
| aagagattcc  | gatttaccgg | gtgaacgacc  | gtgcaggaag  | catcagcgta  | aaggttgctc  | 439320 |
| ccgaaaagg   | ggtaggagtt | gtgcgtacca  | acgaacgtga  | tcagatagct  | gcctttacac  | 439380 |
| cgctaaacga  | gaccaccagc | cggatcggtc  | agaacgtagc  | cgattttctt  | ttaggagaat  | 439440 |
| atcagcgggg  | agccatccct | cgtgagttcc  | ttcccttgca  | gtcgggggta  | ggaaatattg  | 439500 |
| ccaatgctgt  | attgggagcc | ttgggagccg  | acagtaagtt  | accggctttt  | tccatgtata  | 439560 |
| ctgaggtaat  | ccagaattcg | gttatcgacc  | tgatgatgca  | ggaacgcac   | cgttttgtgg  | 439620 |
| cagggaagttc | cttaacgctg | tccgacgacc  | gattggatat  | gctttatagt  | cacattgacg  | 439680 |
| agctaaagga  | gcgtatatta | ttgctgccgc  | aggaaattac  | aaaccatccg  | gaaatgattc  | 439740 |
| gtcggctggg  | tatcatagcg | gtcaacacag  | ccttgagac   | cgatatatttc | ggcaatgtaa  | 439800 |
| atagtactca  | tgtgctgggt | agcaagatga  | tgaacggcat  | tggcggatcg  | gcagattttg  | 439860 |
| cacgaaattc  | ctacctttct | atattttacca | ctccttctac  | ggcaaagaac  | ggactgattt  | 439920 |
| cgtctattgt  | tcctcatgtg | tcgcacgtag  | acagtacgga  | gcacgatgta  | cggattcttg  | 439980 |
| taaccgaaca  | gggagtagcc | gacctgcgcg  | gcaagtcacc  | gtcgcagcgg  | gcacgttgca  | 440040 |
| ttatcgaaaa  | ctgtgcgcat | cccgattaca  | aggaaactgt  | ctgggattat  | ctgaaacttt  | 440100 |
| cggaaggcaa  | gagctgtcat | acacctatgt  | ccttgcgga   | tgccctgaag  | atgcacattg  | 440160 |
| cctttgccga  | aacaggggat | atgcataata  | caaaatttga  | actataagcg  | tacgcttgga  | 440220 |
| taaaagaaaa  | acggcatttg | tttcgtcggg  | gagcaaattg  | cgtttgtttc  | atattagaat  | 440280 |
| tcgaattttt  | ccatcttcat | ttcagccagt  | tcttcaatct  | gcggaaccag  | agtcataaag  | 440340 |
| tgaggagtgt  | gctcgtgagc | cgacaacgat  | tcagcatctt  | tccatgtttc  | gcaaatcatc  | 440400 |
| agcacatcgt  | ggcgagttgc | gctttcgaat  | acatcgtagg  | caatacagcc  | tttatctttc  | 440460 |
| tgtgatgcag  | ctaccagttc | ccttgacgca  | acgagtactg  | cttcacgttt  | ttcttccttt  | 440520 |
| actctaataa  | aaacatttag | tctaatacata | cgtcttattt  | tttagtttgg  | ttaatagata  | 440580 |
| tattgaaatt  | actatttcct | tttcgtagaa  | caaacaataa  | agggcgaaag  | attaagtttt  | 440640 |
| ttgtatatct  | taacttttcg | ccctttctgt  | atctttctta  | tgatagattg  | attaccattc  | 440700 |
| tacaaatttg  | cctctggcct | tgcgttcctt  | caggatagca  | gccagccggt  | tgttcttcga  | 440760 |
| tgcggcaata  | tatttacgtc | cgaagatgtt  | cggaatggca  | acgcccagtg  | cgatgcacat  | 440820 |
| gataaccagt  | ccggagttaa | caccgctttc  | gatggctttc  | atcagcggag  | taacctgatc  | 440880 |
| gatagactgc  | acgttcatgt | taatcaagcc  | gaacagcata  | cgatacatca  | gtactcccgg  | 440940 |

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|              |             |            |             |             |             |        |
|--------------|-------------|------------|-------------|-------------|-------------|--------|
| aatcatcggg   | ataacagaag  | gaatagtcaa | tacgtggttg  | ggcacgtgga  | accaatgtac  | 441000 |
| tgctttaatg   | gcaatgatac  | ttaccacaac | agcaccggca  | aacgaaccga  | tgacaagccc  | 441060 |
| catatccaaa   | ccgatattgt  | tggtacttgg | acccaagttt  | acgaagttac  | gtgtacatac  | 441120 |
| tgctatgata   | cctcctatgg  | ctactaccca | cagcagacgg  | cgctggatat  | tgaaaatcat  | 441180 |
| ggagaatccc   | atagcagaaa  | tcgtgctgct | aatggcgtat  | tccaataaag  | catgatgagg  | 441240 |
| aaccatactg   | atggtaggga  | agaagttggc | aatgctgcac  | agtttcacgg  | caaagtgaat  | 441300 |
| accaaagtcc   | atagcagcca  | ccatcagcaa | tgtgttgacg  | gcacggacaa  | tacctacctg  | 441360 |
| aatataattg   | tcgagcatat  | catcgacgaa | attgatcaat  | ggaacaccgg  | ggacgatgaa  | 441420 |
| cagcgcacac   | gccagcagcg  | gatgccacgg | tgtgctggtc  | cattcggcag  | ggaggaacgt  | 441480 |
| ggaagcccat   | gcgagcatgg  | tagcaacgaa | agcagaaatg  | gcgatgccca  | tgtaatgatt  | 441540 |
| caagcccgat   | tcgttacatt  | tctgacgaag | gcgcatgccg  | aggatggcgg  | caatggaagc  | 441600 |
| gtaaagggaag  | gccatccagt  | cgcaaccgaa | ctgaatacag  | aatccgccgc  | aggcgaaacc  | 441660 |
| tgctccgatg   | gctacctggg  | taggggtgta | attacgtttc  | ttggtacgga  | ttttttccag  | 441720 |
| ctcttctca    | tactggctga  | gcgtatagtc | ttgttctatt  | gctctccatg  | agagtttgct  | 441780 |
| gacttcagaa   | atggcgggtca | tgtttacgcc | gtgaccttca  | atgcgttgga  | atttggtgaa  | 441840 |
| cgaataatca   | ccgtcactta  | cattcaccat | cagcatgggtg | aaacttacat  | taatgtgcaa  | 441900 |
| cttttcttcg   | gggataccta  | agtaagctgc | tgtacgcttc  | atgttttctca | cgattcgggtt | 441960 |
| ggtgtcggcc   | aaactctcca  | ccaagagttt | tcctgtacga  | agcaaaaagat | caacacgtcg  | 442020 |
| gtgtaactgc   | tggtcgtgaa  | tctttacagt | agtctctaata | tgttcctcta  | atatcatttt  | 442080 |
| gtttaaaagat  | ttttttcggg  | tgcaaagtta | gcaaataattt | tattcagaca  | tgggctttta  | 442140 |
| tccggtgaaa   | gtacgaaaaa  | agatggaaga | aagctcgtga  | agtcttttcc  | ggtttttgta  | 442200 |
| caaaaaaaaaat | cagattttgt  | acgaaaaatg | taaaaatttg  | tacaaaaaag  | caagcaaaac  | 442260 |
| ttccgctggg   | ttgttggtta  | tccgctcgaa | tttatgaaaa  | aagatcggga  | tgattgctgt  | 442320 |
| atztatctat   | gcttgcgagt  | gtggaaacga | tggaatatgg  | ggtatgaata  | tgcggtccgg  | 442380 |
| gtgtggatat   | tttccacaaa  | ttgtcagaaa | aatcctcaat  | gtctgtttta  | tggatatact  | 442440 |
| catctgtccc   | tgattttcaa  | taaataaaaa | tattttcgta  | tctttggcac  | aagtattgcc  | 442500 |
| cttgttccta   | tggcatctaa  | taacaaaatc | caaaagaata  | gtatgaaacg  | ttttttgaca  | 442560 |
| aggaaagaat   | taaaattgaa  | aaagaagcag | actatttatg  | ctgcaatcgg  | catcatcggt  | 442620 |
| atcattgctc   | tttatttggt  | tctcacgcgg | gaaagacctg  | tggaaacctga | agctccgata  | 442680 |
| gtgagcgtgg   | ctcctgtcca  | gaaacaggac | gtagagttgt  | acggcgagta  | cgtaggacgt  | 442740 |
| attcgtgcac   | agcagtttgt  | ggaggtgctg | gcgcgtgtgg  | aagggtttcct | tgaacaaatg  | 442800 |
| ttgtttgcag   | aaggtaacta  | tgtaaagcgt | aatcaggtgc  | tttttgtaat  | taatcaggat  | 442860 |
| cagtatcgtg   | ccaaggcaga  | caaggtgctg | gcgcagctaa  | agaaggatga  | agcgcaggca  | 442920 |
| cgcaaggctg   | aacgtgattt  | ggagcgtatc | cgtccgttgt  | atcagcagaa  | tgacgccagt  | 442980 |
| cagctcgacc   | tggataatgc  | cgtagctgct | tatgaaacgg  | ctgtggcaag  | tgtgggcatg  | 443040 |
| agcaaggcag   | acttgatca   | ggcggaactg | gaactgggtt  | atacggttgt  | acgtttctct  | 443100 |
| atttcgggtc   | agatcagtga  | aagacatgtt | gacttgggaa  | cgctggtagg  | aggaagcgga  | 443160 |
| aaatctttgc   | tggctacat   | cgtaaaaagt | gatacggtag  | tcgtcgattt  | cagtatgacg  | 443220 |
| gcgctcgatt   | acctgaagag  | taaggaacgt | aatattacac  | tgggacagaa  | agattctacc  | 443280 |
| cgttcatggc   | agcctacggt  | taccattacc | ttgcccgata  | acagtgtgta  | cgagcagaaa  | 443340 |
| ggtctggtag   | actttgccga  | acctcaggta | aatccgaaaa  | ccggtacatt  | ctccgtacgt  | 443400 |
| gcggaaaatgg  | cgaacccgaa  | ccatgtattg | ctgccgggac  | agtttacgaa  | ggtaaaaattg | 443460 |
| ttgctggagg   | ttcgcgaggg  | agcgactgtg | gttccgcaga  | agtcattgat  | catcgaaaaa  | 443520 |
| ggtggagcgt   | atgttttcgt  | gatgcgtcgt | gattcgacgg  | tggaaaagcg  | tttcattgaa  | 443580 |
| ctgggaccgg   | aattccagaa  | taatattggt | gtagagcgcg  | gacttgctcc  | gggtgagatg  | 443640 |
| attgtaaccg   | aaggttatca  | taaacttacc | ccgggtatca  | aggtaagagt  | aggtgaggct  | 443700 |
| ccgaagcctc   | aggaagaaga  | aaagaaagag | gattaaccac  | gcaaccatt   | aaattttacg  | 443760 |
| attcatgaaa   | gtgagtttct  | ttatcgacag | accggtattc  | tcggctgtca  | tctctatatt  | 443820 |

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|             |             |             |             |             |             |        |
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| gattgtcata  | gtcggatatca | tcggactcca  | aatgctgccg  | attgaccaat  | atccccagat  | 443880 |
| tactcctccg  | gtagtgaaaa  | tcagtgtctc  | ctatccgggt  | gcgagtgccg  | ttacgggtatc | 443940 |
| gcaggcggtt  | gctacgccga  | ttgagcagga  | acttaacggt  | acgccgggga  | tgctttacat  | 444000 |
| ggagtccaac  | agctccaact  | cgggaggatt  | ttcggcaacg  | ataacattcg  | atatctcggc  | 444060 |
| tgaccctgat  | ctggctgcgg  | tagaaataca  | gaaccgtatc  | aagctggcgg  | aatctagcct  | 444120 |
| tccggccgaa  | gtaatccaga  | atggtatttc  | ggtggaaaaa  | caggctgcca  | gtcagctgat  | 444180 |
| gactatctgc  | ctgcgttcgg  | acgacccgaa  | gtttgacgaa  | atctatctga  | gtaacttcgc  | 444240 |
| aaccatcaac  | gtgctcgact  | tgcttcgccg  | tgtaccgggg  | gtaggacgtg  | tgctgaatat  | 444300 |
| cggtagccgt  | tattacgccca | tgcagatatg  | ggtggacccg  | gctaagcttg  | ccaatttcgg  | 444360 |
| cttgacgggtg | caggatgttc  | agaatgcatt  | gaaagaccaa  | aaccgtgagt  | cggccgcagg  | 444420 |
| tgtgctgggt  | caacagccgg  | taagcgggtt  | ggatattacc  | attcctatta  | cggcacaggg  | 444480 |
| gcgtctttct  | acggccagcc  | agtttgaaga  | aatcgtgctt  | cgtgccaatg  | ctgacggttc  | 444540 |
| gctcatccgt  | atgctgatg   | tggcgcgtgt  | atcgtctgaa  | gcattctcgt  | ataacacgga  | 444600 |
| aagtggattt  | aacggaggtg  | atgcggcggt  | actgggtatt  | tatatgcttc  | cgggagccaa  | 444660 |
| tgctatggac  | gtagcagaaa  | aggtgaagga  | aaccatggag  | gagatcagca  | agaatttccc  | 444720 |
| tgaaggattg  | cagtacgaaa  | ttccgttcga  | tattacaacc  | tatatatcgg  | aatctatcca  | 444780 |
| tgaggataac  | aaaacgttgt  | tcgaggcggt  | ggtactgggt  | atcattgtgg  | tgttcctttc  | 444840 |
| gttgacagagc | tggcgtgcta  | cggtgattcc  | tattgtagcc  | gtacctattt  | cgttgatagg  | 444900 |
| aaccttcggg  | ttcatgctga  | tattcggctt  | ctcgtgaac   | atgcttacct  | tattgggact  | 444960 |
| gattcttgcc  | atcgggtattg | tgggtgatga  | tgccatcggt  | gtggtggaga  | atgtggaacg  | 445020 |
| tatcatggaa  | gaagagaaac  | tcagtcctga  | cgaagcgacc  | aagaaagcga  | tggaaggatt  | 445080 |
| gacgggagca  | ttgattgcta  | cctcactggg  | acttgcagcg  | gtgttcgttc  | cggtaagttt  | 445140 |
| cctgtcgggt  | attaccgggtc | agttgtaccg  | tcagtttagt  | gtgaccatcg  | ctgtgtcggg  | 445200 |
| tatcctttct  | accgtcgtag  | ccttgacgct  | gagcccgggt  | atgtgttcac  | tgattctgaa  | 445260 |
| acctaccgac  | cccaacaaac  | cgaagaatcg  | tgtcttttac  | cttatcaata  | aatggcttgc  | 445320 |
| catcggaac   | aataaatatg  | tggccgggtat | caagcaggtc  | gtaaagcatc  | ctcgtcgtgt  | 445380 |
| gattgtagga  | tttggtattg  | tgattatctg  | tatctttgtc  | ttccaccgac  | tggtgcctac  | 445440 |
| cagcttcctc  | ccgactgagg  | atcagggtct  | cttcacggta  | gagcttgaaa  | tgccggaagg  | 445500 |
| tactacactg  | gaaagaaccc  | gtgcggtgac  | cgacagagcc  | attgccttcc  | tgatgaagga  | 445560 |
| cccgtcggta  | gaatatgtac  | agaatgttac  | gggtaccagt  | ccgcgtgtag  | gaaccagtca  | 445620 |
| ggcaagaagc  | cagcttacgg  | ttatcctgaa  | ggaatggaag  | gaacgcgacg  | atacgaccat  | 445680 |
| cggagaaaac  | atgcagaacg  | tacaggatga  | attgaaggaa  | tatccggaat  | gtaagggtcta | 445740 |
| cctttctact  | cctcctgtca  | taccgggtct  | gggtacttcg  | ggtggttttg  | aaatgcagct  | 445800 |
| cgaggctcgt  | ggcgatgcga  | cttacgatga  | cttgggtcgt  | gcaaccgata  | cgttgatgta  | 445860 |
| ttatgcttcg  | cagcgggaag  | aattcagcgg  | attgtcaaca  | tccttgacag  | cagagattcc  | 445920 |
| tcagttgtat  | ttcgatgtcg  | accgcgacaa  | agtgaagttg  | tcgggagtg   | ctatggcaga  | 445980 |
| tgtattctct  | accatgaagg  | cttatacggg  | ttcgggtatac | gtgaacgact  | tcaatatgtt  | 446040 |
| taaccgtatt  | taccgcgtct  | atatacaggc  | agaagctcct  | taccgtgaac  | atcgtgacaa  | 446100 |
| cattggcttg  | tacttcgtgc  | ggggaagcga  | cggtaacatg  | attccgctga  | cttactggg   | 446160 |
| tacgaccgat  | tacacgacgg  | gaccgggtag  | catcaagcgt  | ttcaacatgt  | tcaatacgtc  | 446220 |
| tattatccgt  | ggaacagctg  | caaacggagc  | cagctcgggt  | caggtaatgg  | aaattctgga  | 446280 |
| acagattgcc  | cgtgagaaac  | tgccgagcaa  | tatcggaagt  | gaatggagtg  | gactttctta  | 446340 |
| tcaggaaaag  | caggcagggtg | gtcagacggg  | agccatcatt  | gcattgggtat | tcttggtttg  | 446400 |
| attcttggtc  | cttgccgcac  | tctacgaaag  | ctggacgatt  | cctatcgccg  | tattgatatac | 446460 |
| gcttcctgtg  | gcggtgctcg  | gtgcgtatgc  | cggagttgct  | ttatgtggac  | tggaagaacga | 446520 |
| tacgtatttc  | cagattgggtc | tggttatgtt  | gattgggtctg | gctgccaaaga | atgccattct  | 446580 |
| gattgttgag  | tttgctaagg  | aagaagtcga  | cagcggaaag  | gatctgggtg  | aatcggcatt  | 446640 |
| acatgcagca  | cacctgcgtt  | tccgtcctat  | cctgatgact  | tcactggcat  | tcattcttggg | 446700 |

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|            |             |            |             |            |            |        |
|------------|-------------|------------|-------------|------------|------------|--------|
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| gggtgtattc | tttggatatga | ttgtagccgt | tacggttagga | atcttgcttg | taccgttctt | 446820 |
| cttcgtcatg | atatacaagg  | ctaaaaacaa | gctgaagaca  | aaaagagctc | ataaataaaa | 446880 |
| cctgaaacgt | atgaaacgaa  | caaaatatac | ttatcgcatt  | ttattgatgt | tgctcggttg | 446940 |
| gctcttgctg | ggcagttgcc  | agttgggcaa | acattacact  | cgcccgaac  | tggacttgcc | 447000 |
| tgatacgctc | gacagtatga  | gtgtcgacac | cgcttcctt   | ggagattatc | cttgggagca | 447060 |
| actctatacc | gatacaactt  | tgcagggact | gattcggaaa  | acgttgatgt | ataataagga | 447120 |
| tatgctgata | gcggcagcgc  | gtgtcaagga | acttgcagcc  | atgaaacgca | ttgactatgc | 447180 |
| aaatatgttt | ccgtcgatcg  | gcctgaaagt | ttacgcagaa  | cgtgagagag | aaaattatgg | 447240 |
| aggaaaaaat | cttaagcagg  | atgatgagtt | cgatttgaaa  | gctggagcga | cttgggaact | 447300 |
| cgacctgtgg | ggaaacctcc  | ggtgggcacg | cgataagagt  | cttgccgaat | tcatgggctc | 447360 |
| catcgaaaac | cagcgtgcgt  | tgcgcatgag | cttagttgcg  | caagttgcac | aggcatactt | 447420 |
| tgagcttggt | gcactggata  | acgagttgtc | tattgtacaa  | cagacggtag | atgcccgctc | 447480 |
| agaaagcttg | catctggcac  | gagtacgcta | cgaaggagga  | ttgacttcgg | aaacggcttt | 447540 |
| ccgtcaggcg | caggtggagt  | tggcacgaac | agctacgctg  | gtgcccgatc | tggaacgtaa | 447600 |
| gattgcattg | aaggaaaacg  | atattgcttt | tctgactggg  | gagtatccgc | atcacatcaa | 447660 |
| gcgctctgta | ctgccggaag  | atgtcatgtt | ctctgccagt  | ttgcctgtag | ggctgccttc | 447720 |
| ggctttgctg | gagcggcgcc  | cggatgttcg | tcaggcgga   | caggcgctga | ttgctgccaa | 447780 |
| tgctgcggtg | ggtgtagcct  | ataccaatct | gtttcccgt   | ttggcattga | ctgttagcta | 447840 |
| tggggcagaa | agtgatctgt  | tgagcgagtt | gcttaaatac  | cctcatcagc | tttttgcagc | 447900 |
| caatctgttg | cagtccattt  | ttgccatggg | aaaaaacggg  | gccatgctga | aagctaagaa | 447960 |
| ggctgcttac | gagcaagcca  | cttacgctta | tgaaaagaca  | gtcttgaatg | ctttcaagga | 448020 |
| tgcgtataat | gccatcgctg  | aatttaataa | ggtaaaggag  | atctatgaaa | cccgactgcg | 448080 |
| tctggagcag | gcttccaaga  | gtacgctcga | tctggcacag  | ttgcaatacc | tcaatggggt | 448140 |
| aatcggttat | atggatttgc  | tggacgcaca | gcgtggttac  | ctggatgccc | agattggatt | 448200 |
| gagtaatgcg | gtgcgcgaca  | aacagatcag | catggtcaat  | ctttataaag | cgctgggtgg | 448260 |
| aggctggaaa | gaatagtttt  | attcggcata | ttaaaaaagt  | tcgagattat | tttcttgaaa | 448320 |
| catgttcgaa | atatgccgat  | aaatctttat | ctttgcatcc  | cgaattgtaa | tgtgctctaa | 448380 |
| tgtgtgattt | ggtgaaacag  | ataaagaaaa | aagggtatgc  | tccggattcg | agattacaga | 448440 |
| gtttgcctca | tgcggggatg  | gaaaacagag | gtcttttcgg  | gattccgttt | tcctcaacta | 448500 |
| ttttcttttt | tctgaatacc  | atgttgggga | gcactgctca  | ttcttattgt | tttttttatg | 448560 |
| gtaatttaat | cgaatgtatt  | ataaaaagaa | atacctggaa  | ctgctctttt | cagtaggttc | 448620 |
| aggatatttt | gtatatatgg  | agtaggcaat | taaacgacac  | gaaataatat | ggaaccgcta | 448680 |
| aagcatgaat | gtggagtagc  | gatgattcgc | ttgttgaaac  | cacttgaata | ttatcaggaa | 448740 |
| aagtatggca | cgtggatgta  | cgggcctaac | aagctgtatc  | tgctgatgga | aaaacagcat | 448800 |
| aaccgcggac | aggaagctgc  | gggactggct | tgtgtgaagc  | ttcaggcaaa | tccgggtgaa | 448860 |
| gaatatatgt | ttagagagag  | aggactggga | gctggtgcc   | ttaccgagat | attcggaacg | 448920 |
| gtgcacagtt | attttaaaga  | tcttactccc | gaacagctcc  | atgatgctga | ttatgcgaag | 448980 |
| aaatgcctgc | cttttgccgg  | tgaactgtat | atgggacacc  | tgcgttattc | tactacgggc | 449040 |
| aagagcggta | tttcgtatgt  | gcatcctttc | ttgcgccgta  | ataactggcg | tgccaagaat | 449100 |
| ctggccttgt | gcggaaactt  | taatctgacg | aatgtagatg  | agatttttgc | tgatatcact | 449160 |
| gctgccggac | agcatccgcg  | taaatatgcc | gatacatata  | ttatgctgga | acaggttggt | 449220 |
| catcgtctgg | accgtgaggt  | ggaacgtctt | tacaacgaat  | gtaagtcgga | aggactggaa | 449280 |
| ggcatggata | ttacacatgc  | catcgaagac | cgtatcgatc  | tgacgaacgt | tctgaaaact | 449340 |
| tccagtccaa | aatgggatgg  | cggctacgtg | atgtgtggac  | tgacgggtag | cggtgagtgt | 449400 |
| tttgctgtgc | gcgatccgtg  | gggtattcgt | ccgggattct  | ggtacatgga | cgatgaaatc | 449460 |
| atggtactgg | catccgaacg  | tccggttata | cagactgcgc  | tgaatgtgcc | tgccgatagt | 449520 |
| atcaatgaac | tgcttccggg  | acaagctatt | ctggtgaaca  | agaaaggcga | gatgcgtctg | 449580 |



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|             |             |            |             |             |            |        |
|-------------|-------------|------------|-------------|-------------|------------|--------|
| gcacaaatca  | atgaaccgaa  | agaaaagaaa | gcttgctcgt  | tcgaacgcat  | ctacttcagc | 449640 |
| cgtggtagtg  | atatggatat  | ttaccgcgaa | cgtaaacaat  | tgggtaagac  | attggtgaat | 449700 |
| ccgattctga  | aagccataga  | caacgatgtg | gtacatactg  | tattctcatt  | tatccccaat | 449760 |
| acagcggaag  | ttgcttttta  | tggtatgctg | gaaggattcg  | acaactacct  | gaacgaactg | 449820 |
| aaagtacagc  | gtatcgaggc  | attgggacac | aagcctagtc  | atacggaaact | ggagcagatc | 449880 |
| ttgtcgcaac  | gtattcgtag  | tgagaaggtc | gccattaagg  | atattaaact  | gcgtaccttc | 449940 |
| attgccgagg  | gaaatacccg  | taacgatctg | gctgctcatg  | tgtacgatat  | cacttacggc | 450000 |
| agcctgacgc  | cttatgaaga  | taacctggtt | atcatagacg  | acagtatcgt  | tcgtggtact | 450060 |
| actttgaagc  | aaagtatcat  | cagtatactc | gaccgtctgc  | atccaaagaa  | gattgtcatt | 450120 |
| gtgtcttctt  | ctcctcaggt  | acgttatccc | gattactatg  | gtatcgacat  | ggcgagcatg | 450180 |
| gaacagttta  | tcgctttcaa  | ggcggctatt | gcgctgctcg  | aagaaagagg  | catgcaacat | 450240 |
| gtcatcgaag  | aagcataccg  | caagtcgaaa | gcacaggctg  | gactgcctaa  | agaagagatg | 450300 |
| gtaaatatg   | tgaaggaaat  | ctatgcaccg | tttaccgatg  | aagaaatttc  | gcataagatg | 450360 |
| gtagagcttc  | ttactccggt  | aggaactcag | gcaaaggtag  | aaatcgttta  | tcagactctg | 450420 |
| gaaggattgc  | acgaagcttg  | tccggctcat | ttgggcgact  | ggtacttcag  | tggtgattat | 450480 |
| cctacgccgg  | gtgggtgtgaa | actggtaa   | caggccttca  | tcaattacgt  | agaagaaatc | 450540 |
| tatcagttct  | gatgttgaa   | cgaaacgttt | tgactccgga  | ttatatatag  | accaaagaaa | 450600 |
| aacaatatta  | aagaaaacga  | tacagataga | aaatgagaaa  | tgttacatta  | atcctcgacg | 450660 |
| acgggagccg  | ctttcatggc  | aagtcgttcg | gttatgagaa  | gccggtagcc  | ggtgaagttg | 450720 |
| tgttcaacac  | cgcaatgacc  | ggttatccag | aaagcttgac  | cgatccttcg  | tatgcaggtc | 450780 |
| agttgatgac  | tctgacatat  | ccgctgggtg | gcaactatgg  | cgtgcctcct  | tttacaatcg | 450840 |
| aagccaacgg  | gctacctact  | ttcatggaaa | gtgagaagat  | tcatgccgaa  | gcgattattg | 450900 |
| tgagcgacta  | cagcgagaaa  | tattctcact | ggaatgctgt  | ggagagcttg  | ggcgattggc | 450960 |
| tgaagcgtga  | acacataccg  | ggcattacag | gcacgcgatac | acgtgagctg  | accaaagtac | 451020 |
| tgcgtagagca | cgggtgtaatg | atgggaaaga | tcgttttcga  | tgacgaacct  | gacaacattc | 451080 |
| ccgaagcaac  | ttatgcaggt  | gtgaactatg | tagataaggt  | ttcatgcaag  | gaagttatcc | 451140 |
| gctacaacga  | aggagatgac  | aagaagaaa  | tggttcttgt  | agactgtggc  | gtgaagtcga | 451200 |
| atatcatccg  | ctgtctgttg  | aagcgtgacg | tggaagttat  | ccgcgtgcct  | tggaactacg | 451260 |
| atttcaatac  | aatgacattc  | gacggcctgt | ttattttcaa  | tggtccaggt  | gaccctgaca | 451320 |
| cttgcgatgc  | tgccgtgcag  | aatatccgta | aggctatgga  | gaatgaaaaa  | ttgcctatct | 451380 |
| tcggaatctg  | tatgggtaac  | cagttgcttt | cgaaggcagg  | aggcgcaaag  | atttacaac  | 451440 |
| tgaatacagg  | tcaccgcagt  | cacaaccagc | cggttcgtct  | ggtgggaaca  | gacaaatggt | 451500 |
| tcattacttc  | gcagaatcac  | ggttatgccg | tagacaataa  | tacattagga  | gccgactggg | 451560 |
| agccgttggt  | catcaacatg  | aatgatggtt | cgaacgaagg  | aatccgtcac  | aagaagaatc | 451620 |
| cttggttctc  | ggcacagttc  | catccggaag | ctgccagcgg  | tcctaccgat  | acagaattcc | 451680 |
| tgttcgacga  | gtttgtaaag  | ttgctgtaat | ccattaaaac  | aaagaagaca  | atgaaagaaa | 451740 |
| atataaagaa  | agtattattg  | ttaggttccg | gagctttgaa  | aatcggtgaa  | gccggcgagt | 451800 |
| tcgactactc  | aggttcgcag  | gcactcaagg | cgttgaagga  | agaaggtatc  | gaaaccattc | 451860 |
| tgatcaatcc  | gaacattgct  | accgtgcaga | cttcggaagg  | tgtagcagac  | aaaatctact | 451920 |
| tcttgccgtg  | cactccgtat  | ttcgttgaaa | aggtaatcga  | caaagaacgt  | ccggatggtg | 451980 |
| tattgctctc  | atttggtggc  | cagactgcct | tgaactgtgg  | tgtagctctc  | tacaaggcag | 452040 |
| gagtattcga  | aaaataacaat | gcacgcgtgc | tggaactcc   | ggtacaggct  | atcatggata | 452100 |
| ccgaagaccg  | tgaactgttc  | gttgagaaac | tggaatgaa   | caatgtgaaa  | accatcaaga | 452160 |
| gcgaagcagt  | agaaaacatc  | gaagatgctc | gccgtgctgc  | caaggaattg  | ggttatccgg | 452220 |
| tcatcatccg  | tgccgcatac  | gcattgggag | gtctgggatc  | aggtttctgc  | gacaacgaag | 452280 |
| aagaactgaa  | cgttctgggt  | gaaaaagcat | tctctttctc  | tccgcagggt  | ttggtagaaa | 452340 |
| agagcttgaa  | aggctggaag  | gaagtagaat | acgaggttgt  | gcgcgaccgc  | ttcgacaact | 452400 |
| gtatcacggt  | atgtaacatg  | gaaaacttcg | acccgctggg  | tatccatacc  | ggtgagtcta | 452460 |

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|             |            |             |             |            |             |        |
|-------------|------------|-------------|-------------|------------|-------------|--------|
| tcgtaatcgc  | tccttctcag | acactgacaa  | acagcgagta  | tcacaaattg | cgtgaactgg  | 452520 |
| ctatccgtat  | catccgtcac | atcgggtatcg | taggagaatg  | taacgtacag | tatgcattcg  | 452580 |
| accccgaatc  | ggaagactat | cgtgtcatcg  | aagtaaattgc | tcgtctgagc | cgttcttcag  | 452640 |
| ccttggcttc  | taaggctacc | ggttatccgc  | tggctttcgt  | tgcagctaaa | ttaggtctgg  | 452700 |
| gttacggttt  | gtttgatttg | aagaactcgg  | ttacaaaaac  | aacttctgcg | tttttcgaac  | 452760 |
| cggcactgga  | ctatgtagta | tgtaaagattc | ctcgtctggga | cttgggtaaa | ttccacggag  | 452820 |
| ttgaccgtga  | actgggttca | agcatgaagt  | ctgtaggtga  | agtgatggcg | atcggccgta  | 452880 |
| ccttcgaaga  | agctatccag | aaaggtcttc  | gtatgatcgg  | tcagggaatg | cacggatttg  | 452940 |
| tagaaaacaa  | agaattgcag | attgccgata  | ttgataaggc  | tttgctgag  | cgcaccgaca  | 453000 |
| agcgtatttt  | cgttatctcg | aaggcaatgc  | gtgccggata  | taccgttgat | cagattcatg  | 453060 |
| aactgacaaa  | gatagacaaa | tggttcctcg  | acaagctgat  | gaacatcatg | cagacttcga  | 453120 |
| aggaaacttca | cgaatggggc | aacaaccaca  | aactgttgct  | acagcttccg | aacgaattgc  | 453180 |
| tgtacaaggc  | aaaacgtcaa | ggattctccg  | atttccaggt  | agcacgtgcc | atcggttacg  | 453240 |
| aaggagaaat  | ggaagatgcc | atcatcgatg  | tacgtaacca  | ccgtaagagt | gtaggtatcg  | 453300 |
| tgccggtcgt  | taagcagatt | gatacgtg    | cagccgaata  | tcctgcacag | acaaactatc  | 453360 |
| tgtatctgac  | ttacagtggg | gtggcaaacg  | atgtacatta  | tctgggcat  | cacaagagta  | 453420 |
| tcgtagtatt  | gggttcgggt | gcttaccgta  | tcggatcgct  | agtagaattt | gactggtg    | 453480 |
| gcgttcaggc  | actgaatacc | atccgcaagg  | aaggataccg  | ttcggttatg | atcaactata  | 453540 |
| acccggaaac  | agtttctacc | gactacgata  | tgtgcgaccg  | tctgtacttc | gacgaattga  | 453600 |
| ctttcgaacg  | tgtgatggat | atcctcgact  | tggaaaatcc  | gcacggagtc | atcgtatcaa  | 453660 |
| ccggtggaca  | gattccaaac | aacttggcac  | tccgtctgga  | tgcacagcat | atcaatatct  | 453720 |
| tgggaacttc  | tgcaaagagc | atcgacaacg  | cagaagaccg  | cgacaagttc | tcggctatgc  | 453780 |
| tcgaccgcat  | cggcgtagac | cagcctgaat  | ggagcgcact  | gacttcgatg | gaagatatca  | 453840 |
| acgccttcat  | caagaaagtt | ggattcccgg  | tactggttcg  | tccgtcgtac | gtactttcgg  | 453900 |
| gagctgccat  | gaacgtatgt | tctaaccagg  | aagagctgga  | acgcttcctg | caactggcag  | 453960 |
| ccaatgtatc  | gaagaaacat | ccggtttag   | taagccagtt  | catcgaacat | gccaaaggaag | 454020 |
| tagaaatgga  | tgccgtagca | cagaacggtg  | aaatcgtggt  | atagctatc  | agcgagcaca  | 454080 |
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| atgtagaaac  | tgttcgccgc | atcaagcgta  | tttctcgtca  | gattgccaaa | gaactgaaca  | 454200 |
| tttccggtcc  | gttcaacatc | cagttccttg  | cccgtgaaaa  | cgacatcaag | gtaatcgaat  | 454260 |
| gtaacctgcg  | tgccagccgt | tcgttcccgt  | tcgtcagcaa  | ggtactgaag | ataaacttca  | 454320 |
| tcgaacttgc  | aacgaagggt | atgcttggcc  | tgccggtaga  | aaaacccgaa | aagaacctgt  | 454380 |
| tcgaactcga  | ttacgtagga | atcaaggcaa  | gtcagttctc  | attcaaccgt | ctgcagaaag  | 454440 |
| ccgaccctgt  | actgggagtc | gacatggctt  | ctaccggaga  | ggtaggatgt | atcggcgaag  | 454500 |
| acacttcatg  | tgctgtgctg | aatcaatgc   | tttctgttgg  | ctatcgcat  | ccggaaaaga  | 454560 |
| atatcctgtt  | gtctaccggt | acaccgaagc  | agaaggtaga  | aatgctgaaa | gctgctcagg  | 454620 |
| aactgaaggc  | aaaagggtat | aacctctttg  | caacaggcgg  | aacctcgaag | ttcctgaccg  | 454680 |
| agaacggcat  | cgagaatacc | cgcgtatact  | ggccgagcga  | agaaggacat | ccgcaggcac  | 454740 |
| tggaaatgct  | ccacaagaaa | gaaatcgaca  | tggtagtaaa  | cattccgcgt | gacctttctg  | 454800 |
| ccggagaact  | ggacaatggt | tacaagattc  | gtcgtgcagc  | catcgacctg | aacattccgt  | 454860 |
| tgattaccaa  | tgctcgtctg | gcaagtgtt   | tcatccatgc  | attctgcacc | atgagcatcg  | 454920 |
| acgatatagc  | tatcaagagc | tgggacgaat  | ataaataatc  | ccctctcgtg | atagaataaa  | 454980 |
| tgttacttaa  | gcgccacttc | ggaaaaggca  | aatttccggg  | gtggcgcttt | ttcgtttaga  | 455040 |
| aggctgtttt  | ccggcatcgg | gattcagcct  | tttctgtttt  | cttcatttat | atctttgcgg  | 455100 |
| cgttacggaa  | ttgaaactat | ttccgaattc  | ccccttttgc  | gctttctttg | tttctttttg  | 455160 |
| tgaacagcct  | tattatttat | acattacctg  | caactgggct  | tttactgttt | ctttacttat  | 455220 |
| ttttgtgacg  | tgcgtgtaag | tatttcttcg  | gaagtgcgac  | taacgagggg | aaagaaacat  | 455280 |
| gtagaacaat  | atgatgtatg | aataaaaacac | tgcaacaaga  | aaaagacttt | ctcctgctga  | 455340 |

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|             |            |            |             |             |             |        |
|-------------|------------|------------|-------------|-------------|-------------|--------|
| ttgagtcgca  | caagcgagtc | atttacaaag | tctgttacat  | gtatgcaacc  | gacaaggaac  | 455400 |
| aattggacga  | cttgtatcag | gagatagtaa | tgaacctctg  | gcgcgcttat  | ccttcgtttc  | 455460 |
| gcggcgaaaag | ttcctctgcc | acatggatat | accgtatcag  | cctgaatacg  | tgcatttcgt  | 455520 |
| atcgctcgga  | gtcgaaacat | cagattcagg | cagtcaccct  | tccggtagat  | ttcgaagcat  | 455580 |
| tcgatgagga  | ggacggcaag | acgtcgcaac | tgcgcgagct  | ataccgtctg  | atacacgcac  | 455640 |
| tcagtccgct  | ggaacgggca | ctcatcctgc | tttggctgga  | ggaaagaagt  | tacgacgaaa  | 455700 |
| tagcccggat  | aatgggtatt | tcgaagaaca | atgtcgggtg  | ccgtctgaac  | cgcattccgtg | 455760 |
| agaaactgaa  | aaacatgtcg | aaccaataaa | tctcagctta  | tggaaacttga | agaactgaaa  | 455820 |
| aatcaatgga  | acttgctcag | tgagcagttg | agaagaacg   | aaatagtcaa  | tcatgaggtc  | 455880 |
| ataaaacgaa  | tgatagagaa | gcgtactctg | agtgcccgcg  | accgtctgat  | aggagcaaac  | 455940 |
| gtaatagccg  | tttcccttct | tgcaggcatg | ctaattctgt  | ttccgcttgc  | tgcaacacga  | 456000 |
| gttatcatcc  | ggcaggaact | tctctggata | ttttacattg  | tatttccact  | actgattttg  | 456060 |
| tattcgttct  | ggaacataca | cgttttgtat | aagttcaatt  | tggccactcg  | gaccctcctt  | 456120 |
| gagcttcatc  | gctggattct | ttcttataaa | cgcaggctcc  | ggatagaaat  | ctggtgtact  | 456180 |
| cctttccttg  | taatagggct | ttttagttct | gtctttctga  | ttcatcacca  | ttaccgcagt  | 456240 |
| acacttatgg  | tagtgttcga | tatcctgatg | cttgcggtaa  | gtgtcgtggc  | cggttatata  | 456300 |
| tgttaccgct  | acgtagacaa | gcgttcggta | gacgagatag  | agcagggaat  | gaaagacttg  | 456360 |
| caagacttgg  | aatagtttgg | cgggtaggac | agcagaagcg  | tgggacgttt  | gactgaaata  | 456420 |
| taccagcatg  | agtccgatgc | ttctactggg | cttttatgga  | aaacgaggtg  | aagttttact  | 456480 |
| gtaagtttgt  | acaaactttt | ttggaatttg | tacaaaaaac  | aaaatgattt  | gtacaaatct  | 456540 |
| ggtttgatgg  | gtgcagaaga | attggggagg | agataaggaa  | gtcttagtca  | ttattctttc  | 456600 |
| aggtagtaa   | ggaaaacatc | tatagctata | aaaaagaaag  | cgaccttcgt  | aaaaagaccg  | 456660 |
| ctttaaatgt  | tttcacaacg | gaataatcct | tattgtgact  | tgcttcaatt  | tagttaatgc  | 456720 |
| aaatatacag  | aatatctttt | acataagaaa | ggcttttttt  | aatatctttt  | tctaactttg  | 456780 |
| aggaaatgaa  | caaagaaaat | cgggtatgaa | aaagatatgt  | ggtttagatt  | taggaacaaa  | 456840 |
| cagcgtaggc  | tgggcagtg  | taaattcggg | cgtaaattgac | gaaggcaagg  | aacaacttgt  | 456900 |
| aaatatattct | tcttgcgga  | gcagaatcat | tccaatggat  | gctgcaacat  | tgggagattt  | 456960 |
| tgataaaggt  | aattctaaat | ctccagtagc | ggagcgaacc  | cgtttgcggg  | gagtacgtcg  | 457020 |
| tttgctggag  | catagtttat | tacgtcggga | gcgtttgcat  | cgggttttat  | ctgttatggg  | 457080 |
| atttttaccg  | gaacattatg | cttcacaact | tgaccgatat  | ggtaaatttc  | tgccagaacg  | 457140 |
| ggaacctaaa  | ttagcctggg | atcaagatga | aactggtaaa  | tatagatttc  | tgtttcagga  | 457200 |
| ttctttcaat  | gaaatgctgg | aggactttcg | tcagcatcat  | cccgaactgg  | tagcagaagg  | 457260 |
| gaaaaagata  | ccttacgact | ggacgatcta | ttatcttcgg  | aaaaaagctc  | tttctcagaa  | 457320 |
| aataaccaaa  | gaagaacttg | catggatatt | gtcgaatttc  | aatcagaagc  | gaggatatta  | 457380 |
| tcagttaaga  | ggagaagaag | agaaagaaga | taataaaaag  | tcagtagaat  | attatgcact  | 457440 |
| gaaagtgtgt  | gcggtagaag | attccggaga | tcggaagggg  | aaagatatct  | ggtataatgt  | 457500 |
| caagtggaa   | aatggctggg | tataccggag | agctagcagt  | attccttttag | actgggtagg  | 457560 |
| taaggtaaaa  | gaatttatcg | taacaacaga | tttgatgaa   | aagggaaatc  | ctaaaaaaga  | 457620 |
| taaagacggc  | aatgtaaaac | gttcttttcg | ggcacccaag  | gaagacgact  | ggggatttgt  | 457680 |
| gaaaacaaga  | acgcaggcac | agattgacga | aagtggctcag | acagtgggta  | catatattta  | 457740 |
| cgagtcatta  | cttcgcatgc | ctgatcaaaa | aataagagga  | aaattgggtc  | gaacgataga  | 457800 |
| acgtaaaatat | tataaagacg | aacttcgtaa | gattttgggtc | aaacaatcgg  | agtttcatgc  | 457860 |
| agctttgcaa  | gatcacaatt | tgctgcttgc | ttgcattgaa  | gaactatatc  | ccaataacga  | 457920 |
| agcacatcgt  | cggttactgt | ctacttccga | ttttatctat  | ttcttggttg  | aagatatatt  | 457980 |
| gttttatcag  | cgtccgctta | aaagtcagaa | gggactaatt  | gacgattgtc  | cgtacgaatc  | 458040 |
| tcatgtctat  | cgggataaaa | agaatggcag | tttgacgcat  | gttccattga  | agtgcgtgtc  | 458100 |
| taaatcgcat  | ccgttgtttc | aggaattccg | cttatggcag  | ttccttgctt  | ccttacgcac  | 458160 |
| ttatcagcgt  | gaaagacagg | tagacggttc | tcttaaactg  | gatgtagata  | taacgaatga  | 458220 |

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| tatagatcaa  | aaaacattct | tagcatacaa  | acTTTTcgga | ttaaagaaaa  | acgagctgcc  | 458340 |
| caaatatcgc  | tggaattatg | tagaagacaa  | aagttaccgc | tgtaacgaaa  | caagagcgga  | 458400 |
| tataatattc  | agactaaata | aggctggagt  | tccggaagag | ttcttaaccc  | gagaaaagga  | 458460 |
| agaggccttg  | tgcatatat  | tgtattctat  | atccgataaa | aggaattga   | cgaaagcttt  | 458520 |
| gggaactttt  | gctgaaaaga | atggtttgaa  | tgaactttt  | gtagaaatat  | tttccaaaat  | 458580 |
| gccacctttt  | gaaagcgact | acgccgccta  | ttctttgaaa | gctattcgaa  | aactgcttgc  | 458640 |
| gctgatgcgt  | atgggaaaat | actgggacga  | gcaggccatc | gatgagcaaa  | cccgtagtcg  | 458700 |
| gattgaaaaag | atgctgaccg | gagaatacga  | tgaactatc  | cggactcgtg  | ttcgtgaaaa  | 458760 |
| ggctatgcac  | ctgaccgata | tatcttcttt  | ccgaggactt | cctttatggt  | tggcatgtta  | 458820 |
| tgttgtttac  | gaccgtcatt | ccgaagcaaa  | ggaactcgtc | aaatgggaaa  | cccctgatga  | 458880 |
| tatcgatcac  | ttcttgcgta | agtttaacaa  | gcattcgttg | cgtaatccta  | ttgtagaaca  | 458940 |
| ggttatcatg  | gaaacgctgc | gtacggtacg  | cgatattttg | aagcaggaag  | ggaaaataga  | 459000 |
| tgaattcat   | gtggagttag | gtcgtgaaat  | gaaaaatccg | tcaaagaac   | gtgcccgtat  | 459060 |
| aacagcgag   | gtattggaaa | acgaaaatac  | aaatttgctg | ataaaggcgt  | tgcttacaga  | 459120 |
| atttatgaat  | cctgaatttg | agatagagaa  | cgtacgtcct | tattcacctg  | cccagcaaga  | 459180 |
| aatcttacga  | atctatgaag | aagggtgtgt  | atcagggtgt | gcggaaaagg  | atgtgccaga  | 459240 |
| cgatattgct  | tcaattttga | aaaagttcag  | ggagaatgat | gtaaagaaac  | gtcctactac  | 459300 |
| ttcagaagtc  | ttacgatata | aattgtggct  | ggagcaacgc | tatcgttcgc  | cttatacagg  | 459360 |
| cagaataatt  | ccgcttggtg | aactgttcac  | tcctgcttat | gaaatagagc  | atgtaattcc  | 459420 |
| tcaatcgctg  | tactttgacg | attctcttac  | caataaggta | atttgtgaat  | cggctgtaaa  | 459480 |
| caaactgaaa  | gataattgtt | taggatatga  | atttataaag | aaacattccg  | gcgaaaagg   | 459540 |
| tgaattggga  | aatggtgaaa | cagctactat  | tttttcagtt | gaagaatatg  | agcgttttgt  | 459600 |
| gaaggactct  | tacttaggta | atagtaagaa  | gatgaaaaag | ctgctgcttg  | aagatatatac | 459660 |
| tgataacttt  | attgaacgcc | agttgaacga  | tagccgatat | attagcaaag  | tcgtaaaatc  | 459720 |
| tttgctttcg  | aatattgtct | gtgaagaagg  | cgaacaggaa | ggtatgtcga  | aaaatgtgat  | 459780 |
| agtttgact   | ggtggagtaa | cagatcggtt  | gaagaaagac | tggggagtac  | aggatgtatg  | 459840 |
| gaaccggatt  | attcttccac | gtttcctgcg  | cttgaataaa | ataacagata  | gtacagactt  | 459900 |
| cacttctgta  | agcacaaatg | ggcatttgtt  | gcctgccgta | cctttgcatt  | tcgagaaagg  | 459960 |
| atTTaacaag  | aaaagaatag | atcatcgcca  | ccatgcgatg | gatgccattg  | tgatagcgtg  | 460020 |
| tgccggtagg  | aatattgtca | attacctgaa  | caatgcttct | gcacgcaaag  | gttccgaaat  | 460080 |
| ttctcgttat  | gacttgacgc | atTTattgtg  | tgataaggta | aagacagacg  | caaacggtaa  | 460140 |
| ttacaaatgg  | attcttcgta | aaccttgga   | aacgtttacg | caggatgtat  | atgtagcatt  | 460200 |
| gacggatatt  | gttgcagct  | ttaagcaaaa  | cctccgggta | ataaatcgta  | caacgaacca  | 460260 |
| ttatcagcat  | tataatgaag | atggagaaaa  | gaaaatgatt | ccacaaacta  | aaggatgatcg | 460320 |
| ttgggcgatt  | cgtaaaccga | tgacaaaaga  | tacggtatat | ggtgaggtaa  | atTTgcgtaa  | 460380 |
| ggagaaaaaca | cttcctttga | aagacgtgct  | caataatcca | tcgattgttg  | tggataaatc  | 460440 |
| attgaaaaaac | aaactatatg | agttgctaaa  | atctcagtat | gacttgaagg  | caataacgaa  | 460500 |
| gtatttcgaa  | acgtatcagg | atgtctgggc  | tgatgtcaat | ttaaagaaaa  | tcaaggttta  | 460560 |
| ctattttaca  | aaagaaacga | atgaacgctt  | ttttgctacg | cgtaaatacat | tggattcaag  | 460620 |
| ttttaatcag  | aagaagattg | aagaagaagt  | aactgatata | ggtatacaaa  | agattttgct  | 460680 |
| gcgtcatttg  | caacaaaatg | gtaacaatcc  | ggacattgct | ttttctcccg  | atggagtggg  | 460740 |
| acgtatgaat  | cagaatatga | ctattctgaa  | taatgggaaa | tggcatcagc  | ccattttataa | 460800 |
| agtacggact  | tatgaaaaag | cagataagtt  | tgcatgttgt | gaaagtggta  | ataaagttaa  | 460860 |
| aaagtttgtg  | gaagctgcta | agggaaccaa  | tttatttttt | gcagtgtatg  | aatctataca  | 460920 |
| agaggatgag  | gctacgggca | agcaagtccg  | taaacggact | tttgctacca  | taccgctgaa  | 460980 |
| tgaagttatc  | aagcgtaaaa | agcaagggtt  | acctgtcgct | cctgaggact  | caaaggggaa  | 461040 |
| tttgccaatc  | tttgttttat | ctcctaataga | tttggtttat | ttaccgacag  | aggaagaatg  | 461100 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| taataccggt  | aaaataattc  | aacctttggc  | tagagagaga  | atttataaaa  | tggttagtgtg | 461160 |
| tactgaagga  | gaatgtcatt  | gtattcctga  | atacgttgct  | agccctatat  | tgcagacaat  | 461220 |
| tgagctagga  | agtaataata  | aggcacaacg  | ggcttggagt  | ggggaaatga  | taaaagaaat  | 461280 |
| ttgtgtacct  | gtaaaggtag  | atagattagg  | taatgtttct  | ttggtaaaaa  | tatgatacta  | 461340 |
| tgataaagaa  | aacactatac  | tttggaatc   | ctgcttattt  | gtcattgcaa  | aataatcagt  | 461400 |
| tggtcattaa  | gctaccggag  | gtggagcgta  | acgcttcact  | tccagaaagc  | tttaagtctc  | 461460 |
| aatcgattat  | aactagaccg  | atagaagata  | taggattggg  | gatattagac  | cataagcaaa  | 461520 |
| taacaattac  | ttctggagcg  | cttgaagcgc  | ttttggaaaa  | taattgtagt  | gtcataactt  | 461580 |
| gtgataataa  | aagtatgcct  | gtaggattat  | tattgccatt  | gtatgggaat  | actgttcaga  | 461640 |
| atgaaagggt  | tagggaacag  | ctgatggcga  | ctcttcatt   | gaagaaacaa  | ttgtggcaac  | 461700 |
| aaactataaa  | agttaaaata  | cagaatcagg  | cacatgtctt  | gcaatgttgt  | ttaggagagg  | 461760 |
| acaataaatg  | tatgagggtg  | tgggcggaag  | aagtaaaaag  | cggatgatcct | gataatttgg  | 461820 |
| aagcgagggc  | tgctgcttac  | tattggaaaa  | cactttatgc  | tcatattccg  | ggattttacgc | 461880 |
| gagatcgtga  | cggaatgcct  | cctaataatt  | tattaaatta  | cggatatgct  | atgtttgcgag | 461940 |
| ctattatcgc  | tcgtgcctta  | gtttccagt   | gtttgttgcc  | tacttttagga | atacatcatc  | 462000 |
| ataaccgtta  | taatgcttat  | tgtttgccg   | atgatgtaat  | ggagccttat  | cgcccctatg  | 462060 |
| tagataagct  | cgtatttcag  | cttgtaaga   | ctcatggtga  | gaatgtagag  | ctaactaagg  | 462120 |
| aaataaaatc  | agttcttttg  | acgattccta  | cactcgatgt  | tgttatcggg  | agaaagcgaa  | 462180 |
| gtccattaat  | ggtagctgct  | acccagacaa  | ctgcttcttt  | atataaatgc  | tttagtggtg  | 462240 |
| aattacgtaa  | aattgcttat  | cctgaaatgt  | gatggataga  | tatagtgaat  | atcgtattat  | 462300 |
| gtggatactt  | gtattttttg  | atttgcctac  | agaaactcaa  | aaagacaaga  | aagcttatgc  | 462360 |
| cttgtttcgt  | aaaaatttgc  | agaaagatgg  | tttcactatg  | tttcagtttt  | cgattttatat | 462420 |
| tcgtcattgt  | gccagttatg  | agaatgcaga  | agttcatata  | aaaaggggta  | agtgtgaagca | 462480 |
| ttgtatatata | attaaacgtt  | gtacttttgt  | ataaattttc  | aacatcaaag  | tgtggaataa  | 462540 |
| gaccgacgta  | agcttagtca  | tttagattgt  | atcggatggt  | cagcccccac  | actttttacat | 462600 |
| cagaatccgg  | atagttcatt  | gggcagttag  | acccgcgatt  | tgcaatgatg  | gctaaagatg  | 462660 |
| tatagatggt  | gcgttgtaat  | tataaaaacc  | attagcttat  | gacctacgtt  | ggaattgatg  | 462720 |
| ttagtaagtt  | aacattcgtg  | gttgcttatt  | cttctgcaaa  | aagcagtaaa  | acccaaacct  | 462780 |
| ttaagaatac  | agctaaagggt | attcgtgagt  | ttataaaaac  | gatatacagtt | gatgaacatc  | 462840 |
| attgtgttat  | ggaagcaaca  | ggcaattata  | gtacattgct  | tgtatatatg  | ctttccgagt  | 462900 |
| ttggttttac  | agtaagcctg  | gagaaccctc  | tgaagataaa  | aaattttctcc | aaagtcattgc | 462960 |
| tttcagtcac  | aaagtctgac  | gagattgatg  | cacgtcttat  | agcactatac  | ggtgagaaga  | 463020 |
| tgcaaccatc  | tccatacaga  | atgcgcagcg  | attcaatttt  | agttctcaaa  | caaaaacgta  | 463080 |
| ctgtcctacg  | ccagctaaag  | aagcagttag  | tagcaacaag  | caacctgaaa  | ggttctatgg  | 463140 |
| aggttcttcc  | aatttatgac  | tctaaatgca  | agaaaacaat  | agagaaaacg  | attgcttttc  | 463200 |
| tgggaaaaca  | aatcaaatat  | atggaagaag  | aactggcttc  | attagctaata | gatgaattca  | 463260 |
| agaaacagat  | ggattttactc | acttccataa  | aagggtatcgg | tgtaacacta  | gctgcgggctt | 463320 |
| taattgtggc  | aactggtggc  | tttacatact  | ttgataatgc  | aaaacaactt  | acgcgttatc  | 463380 |
| ttggcttatc  | accaacatat  | caacagtcag  | gaacatctgt  | caacttttaa  | ggtcacataa  | 463440 |
| acagaaatgg  | cgatccaatt  | cttcgaagtc  | aactatatgt  | ggcagcattc  | tcatcactta  | 463500 |
| ggtgcaatac  | agaatgtaaa  | gcatgttttg  | accgtctacg  | atctaaagggt | aaacctggta  | 463560 |
| aagtagctgt  | tggtgtgtgc  | gccaataaat  | tggtgaagaca | ggccttttgca | gttggttacac | 463620 |
| aagataagcc  | atatgttgat  | ggattttatat | cagtaaaacc  | ataatcactc  | ctgcggagggt | 463680 |
| agcgccatgc  | ggcaagggac  | tgagcagtc   | ggcccgcag   | gttttcatta  | tacatatgca  | 463740 |
| taaacatact  | tataattgtt  | aaatatattc  | aagtttttat  | tatagttcat  | ccgataaaat  | 463800 |
| acacattgta  | aagccttcca  | ctcttccgtt  | actttgccaa  | taaaaagacc  | atgaaacgaa  | 463860 |
| taatgagtaa  | agaagagttc  | ctgtccgttt  | atgaaagaca  | acaggccagt  | ggcctgacca  | 463920 |
| taaaagattt  | ctgtgagaat  | gagtcctatt  | catcctcctg  | tttcatttat  | tggagaaga   | 463980 |

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| ttccattgga  | tctgcgtcgc  | agaggcaatc  | tcccggcagg  | tgcggtggc  | gacgtaacgg  | 464100 |
| tagagcttcc  | ttccggaatc  | aggatccacc  | ttgacagcca  | tgaaaaccct | gaactgacat  | 464160 |
| ttggattgat  | acacaaatta  | tgcgcccatg  | ttctgtctga  | atgataccat | gcgctatttc  | 464220 |
| ctgtgtccc   | gaaagacgga  | catgcgcaag  | gggatcaatt  | ctctgtgcgg | agtgggtcac  | 464280 |
| gaccggatgg  | gacatgacgt  | ccgtctgggc  | gatgtcttca  | tcttcataaa | cagaagcagg  | 464340 |
| accaccatga  | aactcctcca  | tgctgaagac  | ggcggcatgg  | tattgtatgt | gaaacgtctg  | 464400 |
| gaagagggca  | cgttccggct  | gccggcctat  | gacagccgaa  | gcaggtctta | tccgatggaa  | 464460 |
| tggcgcgacc  | tggtcatgat  | ggtggaagga  | atcagtgaca  | atccgaacga | gaggctgaaa  | 464520 |
| agggtgaaa   | ccagtagaaa  | ggatggcttc  | tattgaaagt  | atcttcatgt | atccggttgc  | 464580 |
| gtatctgccg  | aaaaatcagt  | atctttacat  | tatataaaga  | gatagaaacg | gatgattcag  | 464640 |
| caggatacaa  | tggaacagat  | aatcaagagt  | cagcaggagc  | agataaccgg | tctcctggag  | 464700 |
| actaaccgtt  | cccttgtcga  | atccaacgga  | aaactgctgg  | aacagacgga | tgcgctgcaa  | 464760 |
| cggaagatac  | aggaactgct  | ctcacagata  | gcatggctga  | accgtcagct | tttcgggcgg  | 464820 |
| aggagtgaga  | agctggcagc  | cctggatccc  | aaccagctct  | ccctgttcga | tccattcat   | 464880 |
| gcaaccggac  | agagtgaaga  | catccgggaa  | gaggacagca  | gcgcagcggg | tccttcaaaa  | 464940 |
| gcaaagcccg  | atggaaagaa  | gaaggaatcc  | cggcgtaacc  | gcgaactcct | ggagggactg  | 465000 |
| ccggtagttg  | aagtgggtgat | tgaacccgac  | cgggtggatt  | tggaaccgta | cagacggatc  | 465060 |
| ggcgaggaac  | gtacccgtac  | gctggaattt  | gaaccgggca  | ggctgtatgt | aaaggaaact  | 465120 |
| gtccgtccca  | aatatggatt  | gaaagacaac  | ctgagtcttc  | ccaaggaagg | tgaaagcggc  | 465180 |
| gtaatcattg  | ctccgcttcc  | accttctcct  | gtttacaaat  | gtctggccgg | ttccaccatg  | 465240 |
| ctggccgaaa  | tgctcctgca  | gaaatacgaa  | tatcacgtcc  | cattctacag | gcaggtcaag  | 465300 |
| gagttccgcc  | atctgggtgt  | ccgtctttcc  | gaaagcacac  | tgagtggctg | gttcaagcct  | 465360 |
| gtgtgtgaac  | tgctgagacc  | actttatgac  | gagctggtcc  | ggctggttgt | cggctgcggg  | 465420 |
| tatgtccagg  | cggacgagac  | cactgtaagg  | gtgatcagca  | agggaaaggg | gaaggccgac  | 465480 |
| aaggagtatc  | tgtggatggt  | cagggcggtc  | atggaaaagc  | tggtcatctt | ccattacgat  | 465540 |
| gacggctccc  | gttcgggaca  | gacgataagg  | aaactgctga  | aggacttcaa | gggatatctg  | 465600 |
| cagagtgacg  | gttacagtgc  | ctacaatgta  | tttgaaggta  | ctgaaggagt | gtgcctcata  | 465660 |
| gcctgcctgg  | cccataatcag | acgtcatttt  | gagatggctc  | tggaggaaaa | cagaagtctg  | 465720 |
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| cgggaatata  | cggcggaaga  | acggcgtgaa  | ctgcggaacc  | gtcagtcctg | ccccctgctg  | 465840 |
| gattcctttg  | aaaagtggat  | ggaaagcaca  | tatatcaagg  | ttccgcccc  | aagccggatg  | 465900 |
| ggacaggcca  | tctcctatgc  | gtatccgtta  | tgcccagaaa  | tgaaggcctg | tctcaaagac  | 465960 |
| ggcaatataa  | agatagacaa  | taatctggcc  | gaaaatgcga  | tacgtcctct | gacgctctca  | 466020 |
| agaaagaact  | tcctcttctg  | cgggaatcat  | gaggctgcgg  | aaaatacagc | ggatcatctgt | 466080 |
| tcattgcttg  | ccacctgcaa  | ggcacaggaa  | gtcaatccaa  | gagaatggct | gaatgatgtc  | 466140 |
| attgccaggc  | ttccatatta  | tcaggaaaaa  | gactccggca  | aagatatccg | ggaactgctt  | 466200 |
| ccggatgtct  | ggaagttaa   | gaagtccaac  | gaaaatccaa  | ttgaagtcta | atagagatac  | 466260 |
| aatagaatag  | caaactcttc  | ctgtcaactt  | tatatctcgt  | gataagaaga | gtctgttgtt  | 466320 |
| ttatgaatct  | acaatgtgta  | ctttatcgga  | tgaactataa  | taaaaacttg | aatatatatta | 466380 |
| acaattataa  | gtatgtttat  | gcatatgtat  | aatgaaaact  | cgtcgggcct | gactgctcag  | 466440 |
| tcccttgccg  | catggcgctc  | cctccgcagg  | agtgattatg  | gttttactga | tataaatcca  | 466500 |
| tcaacatatg  | gcttatcttg  | tgtaacaact  | gcaaaggcct  | gtcttacc   | tttattggcg  | 466560 |
| acagcaacaa  | cagctacttt  | accagggttta | ccttttagatc | gtagacggtc | aaaacatgct  | 466620 |
| ttacattctg  | tattgcacct  | aagtgatgag  | aatgctgcc   | catatagttg | acttcgaaga  | 466680 |
| attggatcgc  | catttctgtt  | tatgtgacct  | ttaaagttga  | cagatgttcc | tgactgttga  | 466740 |
| tatgttggtg  | ataagccaag  | ataacgcgta  | agttgttttg  | cattatcaaa | gtatgtaaag  | 466800 |
| ccaccagtgtg | ccacaattaa  | agccgcagct  | agtgttacac  | cgataccttt | tatggaagtg  | 466860 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| agtaaatcca  | tctgttttctt | gaattcatca  | ttagctaattg | aagccagttc  | ttctttccata | 466920 |
| tatttgattt  | gttttcccag  | aaaagcaatc  | gttttctcta  | ttgttttctt  | gcatttagag  | 466980 |
| tcataaattg  | gaagaacctc  | catagaacct  | ttcaggttgc  | ttgttgctac  | taactgcttc  | 467040 |
| tttagctggc  | gtaggacagt  | acgtttttgt  | ttgagaacta  | aaattgaatc  | gctgcgcat   | 467100 |
| ctgtatggag  | atggttgcat  | cttctcaccg  | tatagtgcata | taagacgtgc  | atcaatctcg  | 467160 |
| tcagacttta  | tgactgaaag  | catgactttg  | gagaaatfff  | ttatcttcag  | agggttctcc  | 467220 |
| aggcttactg  | taaaacccaa  | ctcggaaagc  | atatatacaa  | gcaatgtact  | ataattgcct  | 467280 |
| gttgcttcca  | taacacaatg  | atgttcatca  | actgatatcg  | tttttataaa  | ctcacgaata  | 467340 |
| ccttttagctg | tattcttaaa  | ggttttgggt  | ttactgcttt  | ttgcagaaga  | ataagcaacc  | 467400 |
| acgaatgtta  | acttactaac  | atcaattcca  | acgtagggtca | taagctaattg | gtttttataa  | 467460 |
| ttacaacgca  | acatctatac  | atcttttagcc | atcattgcaa  | atgcgggggtc | taactgcccc  | 467520 |
| atgaactatc  | cggattctga  | tgtaaaagt   | tgggggctga  | acatccgata  | caatctaaat  | 467580 |
| gactaagctt  | acgtcgggtc  | tattccacac  | tttgatgttg  | aaaattttata | caaaggtaca  | 467640 |
| acgtttaatt  | aataatacaat | gcttacgggt  | aagtcatttt  | taccagaatt  | tggtcaggtg  | 467700 |
| gggataatgt  | gtataacaga  | taagcagttc  | gaacaaattg  | agctgtttta  | tggtagaag   | 467760 |
| cctcattgta  | aaaatgtagc  | agggcaacaa  | ttagagctat  | tttagaaata  | agaaatccc   | 467820 |
| ctttttatgg  | cggggtttct  | tgtaggaaac  | atcttctttt  | taatttctat  | tatttgatgt  | 467880 |
| aatgtgttgc  | tatataggtt  | gttacacgga  | ttgcgctgtt  | tcctatataa  | caaagttact  | 467940 |
| aaattgaaaa  | caaatcacia  | cgcagacgac  | cacgtaacgg  | ggaacgggtc  | tgctgtttcc  | 468000 |
| tatataacaa  | agttactaaa  | ttgaaaacaa  | atcacaacct  | ttcccacaaa  | taaggaaatg  | 468060 |
| atgctgatgc  | tgtttcctat  | ataacaaagt  | tactaaattg  | aaaacaaatc  | acaaccaact  | 468120 |
| tggttgactt  | gttcaatttc  | attcagctgt  | ttcctatata  | acaaagttac  | taaattgaaa  | 468180 |
| acaaatcaca  | actatcttca  | ttcattttact | aattttaccat | ttgctgtttc  | ctatataaca  | 468240 |
| aagttactaa  | attgaaaaca  | aatcacaact  | actaatctta  | ataccttgag  | cttgagcagc  | 468300 |
| tgtttcctat  | ataacaaagt  | tactaaattg  | aaaacaaatc  | acaacaatac  | ttcgtatggt  | 468360 |
| aatcacgttt  | ctttggctgt  | ttcctatata  | aatacttcgg  | taaattttta  | ccgataaatt  | 468420 |
| aaaattaaac  | atagaatcgg  | cataatccgg  | ttcaaaatta  | tattcaagag  | atcattgaaa  | 468480 |
| tactgtcaag  | aataaatcgt  | caaggagtaa  | gaaaagggat  | gaaaaagata  | tgctaaacag  | 468540 |
| ctgaaaaatca | acagaaaaag  | tatttcataa  | ttcactgatt  | tttagtaaat  | tagaagtact  | 468600 |
| tcaccacttt  | taattatgac  | taaagaatca  | ctccttatgc  | aataccaatc  | cgagtgcaga  | 468660 |
| aacgctctcg  | aatcagctgt  | aaatataagc  | aaatcttttc  | agaaagtatt  | catggatgca  | 468720 |
| atgaaattat  | tcatggctat  | acctgaccgc  | atcaattttc  | tacaaatggg  | acggtatgga  | 468780 |
| tgtttctcgg  | aacagacata  | ccgcaacaat  | tttgagaacg  | acggctttga  | ctggttttcc  | 468840 |
| ttcaatgaag  | ccatcatcag  | ggaacacctt  | aaaggtggtc  | gcaaggcgat  | agccgttgat  | 468900 |
| ccgtctttca  | ttccaaaatc  | aggcagcaaa  | acgccgtgga  | ttggctatft  | ctggtcgggt  | 468960 |
| tgtgccgggtg | aatacaaacg  | tggactggaa  | ataaccggta  | ttggagtatt  | agacgttgac  | 469020 |
| aaccatgaat  | gtatgacttt  | gggctctgta  | cagacacctg  | acaacgcaac  | gctggaaagc  | 469080 |
| tgtgagaaga  | atcttggtta  | ctggtacagc  | tcttacctta  | tcagcatata  | ggaacagctg  | 469140 |
| aaacgtatft  | ctggcacagt  | cgtgtgtgat  | gcgttctttt  | caaaggcaac  | tttcatcaaa  | 469200 |
| ccattgtacg  | ataacgggtt  | ccacgtaata  | agccgtttca  | ggaatgatgc  | cgtattgttt  | 469260 |
| tatcccacct  | tagaaaatag  | gacaggaaaa  | cgcgagcgtc  | caaaattaca  | tgacgagaaa  | 469320 |
| attgactttg  | aaaatctgga  | catcacaaga  | tgtaccgagt  | acaaagtga   | caagggtaaa  | 469380 |
| ctttacggac  | tgaagcata   | ctccaaagca  | ctcaaacgct  | ttgtgagcct  | ggctgtatgg  | 469440 |
| taccccatgg  | atggaagaac  | ggacaaatgg  | cagctgtatt  | tctctacaaa  | cgaaatacag  | 469500 |
| aacgcacagg  | atgtcctgga  | cttttacaga  | acacgtttcc  | aactcgaatt  | ctgctttcgg  | 469560 |
| gatgccaagc  | aacatgccgg  | aatagcaaac  | tgtcagctta  | cagacttcag  | gaaactggca  | 469620 |
| ttccacttta  | atgcatcact  | tgcagcgata  | aacctcgcca  | aggctgcctg  | taagaagatg  | 469680 |
| ggaataaaaat | attccatata  | atcatgcaag  | tcagtcatac  | acaatgctta  | catgcttgaa  | 469740 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cgatttattt  | gcgtgtctgg  | gattgaacca  | aacacgcaat  | taattgacaa  | acttttcaaa  | 469800 |
| gaactcattt  | tatttactgc  | cagagccgct  | taggctgggc  | taatttttaa  | cgaactattg  | 469860 |
| ctatatacaa  | tacttcggta  | aatttttacc  | gataaattaa  | aattaaacat  | agaatcggca  | 469920 |
| taatccgggt  | caaaattata  | ttcaagagat  | cattgaaata  | ctgtcaagaa  | taaactcgta  | 469980 |
| aggagtaaga  | aaagggatga  | aaaagatatg  | ctaaacagct  | gaaaatcaac  | agaaaaagta  | 470040 |
| tttcataatt  | cactgatttt  | tagtaaatta  | gaagtacttc  | accactttta  | attatgacta  | 470100 |
| aagaatcact  | ccttatgcaa  | taccaatccg  | agtgcagaaa  | cgctctcgaa  | tcagctgtaa  | 470160 |
| atataagcaa  | atcttttcag  | aaagtattca  | tggatgcaat  | gaaattattc  | atggctatac  | 470220 |
| ctgaccgcat  | caatttccta  | caaattgggac | ggtatggatg  | tttctcggaa  | cagacatacc  | 470280 |
| gcaacaattt  | tgagaacgac  | ggctttgact  | ggttttcctt  | caatgaagcc  | atcatcaggg  | 470340 |
| aacaccttaa  | aggtgggtcg  | aaggcgatag  | ccgttgatcc  | gtctttcatt  | ccaaaatcag  | 470400 |
| gcagcaaaac  | gccgtggatt  | ggctatttct  | ggccgggttg  | tgccgggtgaa | tacaaacgtg  | 470460 |
| gactggaaat  | aaccgggtatt | ggagtattatg | acgttgacaa  | ccatgaatgt  | atgacttttg  | 470520 |
| gctctgtaca  | gacacctgac  | aacgcaacgc  | tggaaagctg  | tgagaagaat  | cttggtgact  | 470580 |
| ggtacagctc  | ttaccttatc  | agcatacagg  | aacagctgaa  | acgtatttct  | ggcacagtcg  | 470640 |
| tgtgtgatgc  | gttcttttca  | aaggcaactt  | tcatcaaacc  | attgtacgat  | aacggtttcc  | 470700 |
| acgtaataag  | ccgtttcagg  | aattgatgccg | tattgtttta  | tcccacctta  | gaaaatagga  | 470760 |
| caggaaaacg  | cggacgtcca  | aaattacatg  | acgagaaaat  | tgactttgaa  | aattctggaca | 470820 |
| tcacaagatg  | taccgagtac  | aaagtgaaca  | agggtaaact  | ttacggactg  | aaagcatact  | 470880 |
| ccaaagcact  | caaacgcttt  | gtgagcctgg  | ctgtatggta  | ccccatggat  | ggaagaacgg  | 470940 |
| acaaatggca  | gctgtatttc  | tctacaaacg  | aaatacagaa  | cgcacaggat  | gtcctggact  | 471000 |
| tttacagaac  | acgtttccaa  | ctcgaattct  | gctttcggga  | tgccaagcaa  | catgccggaa  | 471060 |
| tagcaaaactg | tcagtctaca  | gacttcagga  | aactggcatt  | ccactttaat  | gcatcacttg  | 471120 |
| cagcgataaa  | cctcgccaag  | gctgcctgta  | agaagatggg  | aataaaaatat | tccatatcat  | 471180 |
| catgcaagtc  | agtcatacac  | aattgcttaca | tgcttgaacg  | atttattttgc | gtgtctggga  | 471240 |
| ttgaaccaa   | cacgcaatta  | attgacaaac  | ttttcaaaga  | actcatttta  | tttactgcca  | 471300 |
| gagccgctta  | ggctgggcta  | atttttaacg  | aactatttgta | tataacaaag  | ttactaaatt  | 471360 |
| gaaaacaaat  | cacaactctt  | gctcagtgtg  | cttattttta  | tgaaggctgt  | ttcctatata  | 471420 |
| acaaagttag  | taaattgaaa  | acaaatcaca  | actgttgctt  | tcatggtcat  | tctttgttta  | 471480 |
| ggctgtttcc  | tatataacaa  | agttactaaa  | ttgaaaacaa  | atcacacact  | taactccctc  | 471540 |
| gaagtctaca  | aggctttggc  | tgtttcctat  | ataacaaagt  | tactaaattg  | aaaacaaatc  | 471600 |
| acaacctact  | atgcagttgc  | gtaataatag  | ttcttgctgt  | ttcctatata  | acaaagttac  | 471660 |
| taaattgaaa  | acaaatcaca  | acaagtattc  | tcagcgtaat  | tcagacggta  | gggctgtttc  | 471720 |
| ctatataaca  | aagtactaa   | attgaaaaca  | aatcacaact  | gataatgtta  | attattcata  | 471780 |
| tcctaaatgc  | gttttcctat  | ataacaaagt  | tactaaattg  | aaaacaaatc  | acaactactt  | 471840 |
| tttgtgacat  | aatgtctagt  | cctgaaatag  | cgttacaaca  | aaaaaggtaa  | cattatggaa  | 471900 |
| aagacagaaa  | caaagtacgt  | taagcgcaca  | caaaaagatt  | acagtatgtc  | ctttaaacta  | 471960 |
| tcagtagtgc  | aagagtatga  | aaccacaaaa  | ataagtttgg  | gagcgctgaa  | acgaaaatat  | 472020 |
| gggatacaag  | gatgttcaac  | tattagccgt  | tggattgaaa  | aatatggtaa  | ctttgatatc  | 472080 |
| acaaacaaat  | gttaccattc  | tatggaaaag  | agtaaggatc  | aaaaactgtt  | agaactacaa  | 472140 |
| cagaaagtaa  | ggttcctgga  | acgcaagaat  | gcccgctctg  | aaaaggagct  | tgagctgaag  | 472200 |
| gatatgaaag  | cagagttttt  | cgacatgatg  | atagacatag  | cggaaaagga  | atataatatc  | 472260 |
| gacatacgaa  | aaaactcctc  | tcccgaacag  | tcaataaata  | taaagaagaa  | aaatccgtaa  | 472320 |
| gtatcagcgg  | aattctgccga | ctgctcggga  | taagcaggca  | gaaatattac  | cgtcagcaat  | 472380 |
| ggaagataat  | ccgaggccgg  | caaagggccca | ctgatgttgt  | gggcatggta  | cgagatatcc  | 472440 |
| gaatggaact  | gccacgtgta  | ggaacccgca  | aactttatca  | tatgcttcat  | cagccactta  | 472500 |
| aggagaacaa  | ggtaggcagg  | gacaaactgt  | tcgatatact  | ccgtgccaac  | cgtctgttta  | 472560 |
| taaagcccgt  | acgttcatat  | catgtaacaa  | ccaactcgca  | tcaccggttt  | cgggaagcaca | 472620 |



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|            |            |             |             |             |             |        |
|------------|------------|-------------|-------------|-------------|-------------|--------|
| agaatcttgt | agaaagtatg | gaagcgacac  | gcccggaaga  | aatatgggtt  | tctgatatta  | 472680 |
| cttatattgg | caatagaaac | cggcatatgt  | atctttctct  | ggttacagat  | gcttattcca  | 472740 |
| agaagattat | gggatatgat | ctttccgatt  | ccttgacac   | tcaaggttct  | ttgaacgcgc  | 472800 |
| tgaggatggc | aaaccgcaac | cgactgtata  | gggacacgcc  | attgatacac  | cactctgacc  | 472860 |
| gtggtataca | gtactgttcc | gatgcataatc | agaaattact  | gggacaatat  | cacatcatac  | 472920 |
| ccagcatgac | tgaatcttac | gatccgtacg  | ctaattgccgt | ggcagaacga  | ataaacggaa  | 472980 |
| tactaaaaca | ggagttcctg | cttgaggaac  | ttaatctacc  | gctatcagat  | atgaaacagg  | 473040 |
| taataaggga | tgctgtctac | aagtataata  | acatcagacc  | tcattactct  | tgtgggtata  | 473100 |
| aaacgccgga | gtatatgcat | catcagaagc  | tgattaaaat  | taaaagttac  | aaaaacaaac  | 473160 |
| agttcagcaa | gactgacctt | gctgaactgt  | gataaataat  | ttatTTTTgt  | ccaataactg  | 473220 |
| taacggttat | ttaggactag | tcataatttc  | gattaaatgg  | ctgtttccta  | tataacaaag  | 473280 |
| ttactaaatt | gaaaacaaat | cacaaccaat  | acccaagacg  | gccactgcg   | actatagctg  | 473340 |
| tttcttatat | aacaaagtta | ctaaattgaa  | aacaaatcac  | aactagtaga  | tattgtaata  | 473400 |
| attttagttc | ttagctgttt | cctatataac  | aaagttacta  | aaagaataga  | tatttcaaaa  | 473460 |
| ttttcccacc | caacattttg | taaatgaaat  | atccttactt  | tttgcacttt  | ttaggctttt  | 473520 |
| agatgaaaat | tattgttcag | cttttcgcta  | taaatgaaaa  | tttttgtata  | tttgtcttac  | 473580 |
| tcttagaaga | aagaaagtat | tagaagcggt  | ttaggcatta  | tccgagggtt  | agaaaatccc  | 473640 |
| caatttcgca | acgataacaa | aggataatac  | aaaaacgctc  | cacgggctat  | tgtatatgct  | 473700 |
| gttttgagca | atatgtatgt | atataggcgt  | ggggctttat  | gtattgctca  | gttatcaagt  | 473760 |
| atggggatac | ttctggacaa | gtaatactaa  | agttccccac  | gctttaactt  | ttataaaaaac | 473820 |
| agcttcaagg | ggaagcaagc | tgacataatc  | tatatgtatg  | aaagcactta  | aactaaacaa  | 473880 |
| ctgtgaaagc | ggtgtttcaa | cctttgtttc  | atttgccgcg  | ggtcaccgct  | ctattcattg  | 473940 |
| gattcttttt | cttagcattt | gttttgcttt  | gtatgttgta  | gcatataaga  | tacaaattat  | 474000 |
| gtgccatact | tttttccgta | ctcatctgat  | agtagattat  | ggattatgac  | gaggcttgcc  | 474060 |
| ataactaatg | cgagatgtgg | agtgtaatct  | atcgtacttt  | gaaagaaata  | cgtgaagtta  | 474120 |
| gagagtattt | atgtaccgat | gagttgaaa   | aagtttctca  | aaaaatggaa  | ctcatcgaaa  | 474180 |
| aagaaattga | tattttgtct | gttttaactt  | tttacttggt  | acaatatgtc  | acgatgtatt  | 474240 |
| gcgtttttat | gagtggatg  | tcattgtgta  | agctctaaaa  | cagattaata  | agaaagatga  | 474300 |
| tggataaaaa | gattgaggag | gttgtaacg   | aacagctgaa  | tacagaatta  | tggctttgta  | 474360 |
| atttgtatat | cgcatttcaa | gtctattttg  | aaaaacaaga  | attgccgggt  | ctggcattat  | 474420 |
| ggctaaaaaa | tcaaagatag | aagaaagcag  | acaggataca  | aaagttgaca  | acgtattttg  | 474480 |
| taggtgagga | tgcatTTgtg | tctattcgtg  | gctttgagta  | taaggccgat  | aaatggcaaa  | 474540 |
| gccccgtagt | ggcattgaat | agcttgtttg  | agcacgaaca  | gtattttcat  | aagcaagtga  | 474600 |
| atgattttat | gaattttgca | cgttatatgg  | gtgatgatgc  | tttgcaggct  | ttggtgctcg  | 474660 |
| atttgtatac | cgatgaggta | catgtaagtg  | attttcttgt  | tgaattgctt  | cgtatgcttg  | 474720 |
| tcaaagaatg | gagaagacag | ttaccgttgg  | agtacagat   | tttattttaga | ctgacagagg  | 474780 |
| tgaagaatg  | gaaactgttg | actttgagaa  | agagctggtc  | attttacgtg  | aaaagctctt  | 474840 |
| gagttatgct | cttttgatgt | ttcctaaaaa  | ggaagatgct  | gaagacctga  | ttcaggaaac  | 474900 |
| attattgaag | gcactagaac | acagagataa  | atataatgag  | aatgttaact  | ttaaaggatg  | 474960 |
| gctatatacc | ataatgcata | atacgttcgt  | aaacatttgt  | aaatcgaaaa  | gaaattgtat  | 475020 |
| gtgccagaat | atttctgata | gtgaaatccg  | ggctgagata  | gataaaaagt  | tagaggagtt  | 475080 |
| tatcgacgat | agttttggta | tagaggagat  | ttataaagta  | ataaacaggc  | ttccagatga  | 475140 |
| ttatcgtgtg | gtaatatgta | tgagactggc  | cggattcagg  | tatcaggaaa  | ttgccgataa  | 475200 |
| aatggggatt | ccgattacgt | tgggtgaagag | tcggattttt  | tatgggaaaa  | ggaaactgaa  | 475260 |
| aagtatgctg | tccagtttca | gataagcgag  | agtcgtcaaa  | ggattcttgc  | gtttacggta  | 475320 |
| aaaatactaa | gtggattgtt | tttatagggt  | gggttgccca  | tgagttgact  | catggaaaag  | 475380 |
| aagcagcttc | gttggataaa | tgaggctgct  | tctgtaatat  | atggagtatt  | atagtttctt  | 475440 |
| gagttcttga | tatagtcgtt | gtacggggag  | tcccatgacg  | ttaaagtagg  | atccttttaa  | 475500 |

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|             |            |             |             |             |            |        |
|-------------|------------|-------------|-------------|-------------|------------|--------|
| tcccgttact  | ccgataaagc | ctatccactc  | ttgtacgccg  | tacgatcctg  | ccttgtccat | 475560 |
| cggtatgata  | tgctctacat | aaaaacggat  | gtcttcttca  | ctcagttggg  | cgaaagtaac | 475620 |
| ttccgttacc  | gaagcgaagg | atttctgaaa  | ttcggttgtg  | gtaaggcata  | ctccggtaat | 475680 |
| gacctgatgt  | gaacgtcctg | acagcttttg  | cagcatgccg  | atggcttcgg  | tttcgtcttt | 475740 |
| gggttttccc  | agtacctcac | catcaatgta  | aactatcgtg  | tcggctgtga  | taatcagttc | 475800 |
| gtccggttgt  | atggagggac | ggtaggcac   | tgctttttcc  | cgggctatgt  | agacaggaat | 475860 |
| ttcttcgcct  | gtcaaggtgg | aagggtaggt  | ttcgtctatg  | ccgggcagaa  | gttttacttc | 475920 |
| atagtctatt  | cctaaaccgg | acaacagttc  | ccggcggcgg  | ggagagttgg  | aggcagagtt | 475980 |
| gattttgtat  | tttttcagat | tatcgagcat  | agtgttcctt  | tctttcttac  | cagccgaagg | 476040 |
| cggttcctgt  | tgacatccat | ttgccttgtg  | cacgcaatac  | ttgttctact  | acgtcacgtc | 476100 |
| cgcattccata | accgccgttg | cggtgtgaaa  | tataggtgca  | gatggctttt  | atctcgggtg | 476160 |
| cggtatcagc  | cggacaacag | ggaagacctg  | ccagacgcaa  | tacttcatag  | tcgggaatat | 476220 |
| catcgcccat  | gtagagtacc | tcttcaggtt  | tcagattgta  | tttcgacagc  | agttcggcaa | 476280 |
| actctttcgt  | cttgacagca | gcacccatat  | agatgtctgt  | tatgcctaata | ccttcgtagc | 476340 |
| gtttgcgtac  | ggattctgtc | cttctctccg  | taatgatggc  | tacgtgcagt  | ccgcatttta | 476400 |
| ctgccagctg  | tagggcgtat | ccgtctttta  | tgtaaacgt   | acgcatcggg  | tctccgttgg | 476460 |
| gatgcaaggt  | gatggtttcg | gcacttagta  | cgccgtctac  | gtcgaatacc  | agtgcgcgta | 476520 |
| ttttggtaag  | atcgtaattt | atcataagtt  | ttcttttagg  | ttacttgtat  | attcgtgaat | 476580 |
| gtctttgctt  | atttgctcgt | atatcgttgc  | cagacgaggt  | tcgctttgca  | gcatttccag | 476640 |
| atggcgggtg  | ataacgtttt | catcgtaacg  | ttgtgccgga  | ccggtctggg  | ctgaaacagg | 476700 |
| agaaagtcca  | tgaactttgc | gggctgtttc  | gtcgataagc  | ggaagcatag  | cttcgaaagg | 476760 |
| cagtcctgta  | gccgataata | agtgatcggc  | tatggcatac  | atgtgattgg  | taaagtgtga | 476820 |
| ggcaaagacg  | gctgctatgt | gcaggatatcg | gcgttggttc  | gatgaggctt  | cgtatacttt | 476880 |
| actgcctagg  | ctcagggcga | ttccgttcaa  | agctttcagg  | tcgtcttgtg  | tattggcttc | 476940 |
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| gtagagcaca  | ccgtagcgtt | gggcctgtcc  | ttgccagatg  | ttcatgggga  | cgctgcctgc | 477060 |
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| gggtgtatag  | ggacatccta | gtctggttgc  | cagcgtggaa  | gcggaggctt  | cggtagcggt | 477240 |
| gaataacctga | agaatgttgt | aaccggcctt  | ttgtaagggt  | atagcaagat  | gagttgctac | 477300 |
| atttccagct  | cctatgataa | tgatattttt  | tatattcatt  | ggaaagtgtt  | tttagatgtc | 477360 |
| ggtaaattac  | cgtgacgaca | accagtagag  | taatactcca  | accagtagca  | aggctgcggg | 477420 |
| aagcagatag  | cccagacatc | ggcctagcag  | ggaaacaaca  | agggtgatgt  | tttggatgag | 477480 |
| ccagattccg  | gccagaataa | tgccatccga  | tttgtccgat  | ttaaaccaga  | gaaaaatgac | 477540 |
| ggcagcataa  | agcagcatgg | tatctttctg  | cataacccat  | ggtaatccgt  | gagccgagaa | 477600 |
| gcctatcagg  | cggctcggca | gataaaggat  | gcccattcaga | gccagaaaga  | cggctgtagc | 477660 |
| acgataggta  | tctttatggt | ttgatgcttt  | cgttgctcac  | ttttattctc  | ctccgtattt | 477720 |
| attgatgtgt  | actttttccc | ataacagatg  | ggactcgtcg  | aacggcttgc  | gttccatttc | 477780 |
| tttgtgtccg  | atggcgatga | tggacaatac  | ctgaagttgc  | aggggaatgt  | cgagtatgcc | 477840 |
| gtgtacgtat  | tcgtcggaag | acatgcctgc  | ggcattatat  | cgttcgcgta  | cttgtatcca | 477900 |
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| atcttctatc  | catacgtcgc | tggcgagcgg  | gtctgccagt  | acagcgatgg  | cgagtggagc | 478020 |
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| gtcatctacg  | gctatgaact | gccagcagtt  | acttcgtttg  | gaggagggcg  | acatgagggc | 478140 |
| tgctttcagc  | agggttacca | cttcttcctg  | tgtcagttct  | tcgtctgtaa  | acttgcgcat | 478200 |
| gctgcgccgt  | tgctttatca | attcgtgtaa  | actcttcata  | aaatatcggt  | tttaacacga | 478260 |
| caaataataa  | ctttaaacct | gtaatgtcca  | aaaaaaatca  | taaatttgcg  | ataccatggc | 478320 |
| tatcaggttg  | actacatacg | aacacgcaaa  | agacattccc  | gatttgccgg  | gaacgaatgt | 478380 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
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| ttttcgcttg  | ctgggtttta | cgaataaaaac | gtatgtttat | ggtacaggag  | agtattttta  | 478560 |
| gtcgaagcac  | agccgggagg | agatttttga  | tgaattgttg | acgtatttta  | cgctccgtta  | 478620 |
| caaggagtct  | tcgtttttgc | tggagttccg  | taatctggaa | gagcccttgt  | ttggttaccg  | 478680 |
| gtatttccgg  | aggaatggct | atttcccggg  | acgggtggtg | cgagtccgta  | attcgataca  | 478740 |
| tcatgaacag  | cttgacaagt | ggatgagctc  | atctcgtaaa | cgtcagattg  | ccagaggtct  | 478800 |
| caagaatgga  | gcttctatgg | agatagcttc  | tgatccagaa | acggtaaagg  | ctttcttcgc  | 478860 |
| aatgctcaaa  | aaatattatt | ctgctaaaat  | acatcgttat | cttcctgatt  | tccgtttttt  | 478920 |
| tgcattcttt  | gccgaacaat | cttctcttgg  | ggggaagggg | aaaatctttg  | ttatccgtca  | 478980 |
| taaggaaaaa  | gtgatagggg | gatcgggtgt  | cctgttttcc | gatgatactg  | cttatctaata | 479040 |
| gttttcggca  | ggaatgcgca | agagttatcc  | cttgctctat | ccgggagtag  | ttgctgtgtg  | 479100 |
| gaaggcgatg  | atttacgccc | gggaacatgg  | atatgagcat | tttgagttaa  | ttgaagcagg  | 479160 |
| attgcctttt  | cggaaattca | gttatcgcca  | ttttattttg | cgtttcgggtg | gaaagcagtt  | 479220 |
| aagtacacgt  | cgctgggtta | aagtaagggtg | gaactggctg | aatcgctctgc | ttattcgtat  | 479280 |
| ttatgtctaa  | tctaaatata | tattgttatg  | attgatcctg | tttatagtgc  | ggctcccaac  | 479340 |
| cgttacgaga  | gtggaatgaa | atatcgtaga  | gcgggtaaga | gtggtatttt  | gcttcctgaa  | 479400 |
| atatctctgg  | gactttggca | taatttttgt  | gatgtggata | ctttggccga  | tagtcagaaa  | 479460 |
| aagatacatt  | atgcattcga | tcgtggcatt  | acttacatcg | acctggctaa  | taattatggt  | 479520 |
| ccgtcttatg  | gttcggcgga | agaaacattc  | gggcagatta | tgaagaaatc  | gatggctccc  | 479580 |
| tatcgtgatg  | aactgtttat | ttctacaaag  | gcgggacatg | atatgtggga  | aggtccttat  | 479640 |
| ggtatatgga  | attcgcgtaa | gcacctgatg  | gtaagtcttg | accaaagctt  | gaagcggatg  | 479700 |
| aatctggatt  | atgtggatat | cttttacagt  | catcgctacg | atccggaaac  | cccactggaa  | 479760 |
| gaaacgttgc  | agacattggt | cgatatggtc  | cgtcagggga | aggcttttga  | tgtaggtatc  | 479820 |
| tcaaaatatc  | ctcgggaggc | tgccgctacg  | gcctatcgtt | atctggcaga  | taaccacgtg  | 479880 |
| ccgtgcctgc  | tttatcaggg | atgttacaat  | atgtttaacc | gtgaggcaga  | ggaaaagggg  | 479940 |
| attttggaac  | aagcttataa | cgagggcagt  | ggctttgttg | ccttttcgcc  | tttggcgag   | 480000 |
| ggactgctta  | cggaccgtta | tctgaatggg  | ataccggaag | attctcgtat  | cgcgcgagga  | 480060 |
| ggaaaatctca | agaaagaagt | tctgacggat  | gaggtgtttc | ggaaaataaa  | gtcattgaac  | 480120 |
| gaagtgcct   | tacgtcgcg  | acagactttg  | gccgaaatgg | cgctggcttg  | gctgttgaag  | 480180 |
| gaccagatgg  | ttacatcggt | cattattggt  | gccagttcgg | taaaacagat  | tgacgataat  | 480240 |
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| tattatgaaa  | atgtactcgg | attgaaatgt  | tacaatatag | aaactgtaga  | agaccagaaa  | 480660 |
| gtaaagaccg  | cttttttgaa | atgtggtgaa  | acgaaaattg | aattgctgga  | acctacagga  | 480720 |
| ccggatagta  | cgattgcaa  | attcattgaa  | aacagaggaa | tgggagttca  | tcatgtagca  | 480780 |
| tttgagtggt  | aggatggtgt | ggcaaacgca  | ctggccgaag | cagaaacaaa  | cggatttcgt  | 480840 |
| ctgatcgaca  | aagctccgcg | caaaggtgcg  | gaaggcttga | atatagcggt  | tcttcattcca | 480900 |
| aaatcaacga  | tgggggtatt | aaccgaactt  | tgtgaaaaat | aataacggac  | aatgaaggaa  | 480960 |
| atggtgagga  | cattggccgt | ttgttggtat  | tcggtataga | gaagtggcgg  | agaattttgt  | 481020 |
| aaacattcat  | tgagtgggtg | caggattctt  | cgctactttg | ttgcttttaa  | gcgaaaaaat  | 481080 |
| gtccgccgtt  | ggatgtgtgc | atttactaat  | ttataaattt | ctagtaccat  | gagtaaccaa  | 481140 |
| cttgaaaaag  | taaaagagct | tattgaacta  | cgtgctcagg | cacgtttggg  | aggtggtgag  | 481200 |
| aaagctatcg  | aaaagcaaca | cgctaaaggg  | aaatatacag | cacgcgaacg  | tattgccatg  | 481260 |

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| tttgcatgg   | ataaaaaaca  | ttatctgggc  | gatggtgtag  | ttacaggata  | tggaacgatt  | 481380 |
| gaaggacgac  | tggtatatgt  | ctttgcacag  | gattttaccg  | tatcggcccg  | ttcattgtcg  | 481440 |
| gaaacgatgt  | cacagaagat  | ttgtaagggtg | atggatatgg  | ccatgaaaat  | gggagctcca  | 481500 |
| tgtatcggac  | tgaatgactc  | gggaggtgcg  | cgtattcagg  | aaggtatcaa  | tgctttggct  | 481560 |
| ggatatgctg  | aaatcttcca  | gcgtaatatc  | ctggcttcgg  | gtgtgatacc  | acagatttca  | 481620 |
| ggtatctttg  | gtccgtgtgc  | cggaggtgcg  | gtatattctc  | ctgcactgac  | agactttaca  | 481680 |
| ttgatgatgg  | aaggtacttc  | gtatatgttc  | cttacaggtc  | cgaaggtggt  | aaagactgtg  | 481740 |
| accggagaag  | atgtttcaca  | agaggacttg  | ggaggtgcaa  | gcgtgcattc  | tactcgttcg  | 481800 |
| ggcgtgactc  | actttacggc  | cgctaccgag  | gaggagggac  | tggcattgat  | tcgtaagttg  | 481860 |
| ttgagttaca  | ttcctcagaa  | taacctggaa  | gaaccgccgt  | atgtagattg  | cacagatccg  | 481920 |
| atcgaccgtt  | tggaagattc  | attgaatgag  | attattccgg  | atagcccga   | caaggcttac  | 481980 |
| gatatgtatg  | aggtgattgg  | agcgattgtc  | gataacggag  | agttcctcga  | agtacagcgc  | 482040 |
| gattttgcca  | agaatatcat  | tgtgggtttt  | gcacgtttca  | atggtcagtc  | ggtaggtatc  | 482100 |
| gtggccaatc  | agccgaagtt  | cctggcaggt  | gtattggatt  | gtaattcttc  | tcgtaagggc  | 482160 |
| gcacgtttcg  | ttcgtttctg  | cgatgctttc  | aatattccta  | ttgtttcact  | ggtggatggt  | 482220 |
| ccgggattcc  | ttccgggtac  | gggacaggaa  | tacaatgcgg  | ttatcttgca  | cggagctaaa  | 482280 |
| ctgctttatg  | cgtatggcga  | agctactgta  | cctaagggtga | cagtaacact  | gcgtaagtcg  | 482340 |
| tatggtggtt  | cacatatgtt  | gatgagctgt  | aagcagttgc  | gtggagatat  | gaactatgca  | 482400 |
| tggccgactg  | ctgaaattgc  | cgtaatgggt  | ggagccggag  | ctgtagaagt  | gttgtatgcc  | 482460 |
| aaggaagcaa  | aagaagctgc  | tgatccgaaa  | gcattcatgg  | ccgagaaaaga | agctgaatat  | 482520 |
| accaaactgt  | ttgctaattc  | gtacaatgct  | gcaaaatatg  | gttatatcga  | cgatgtgata  | 482580 |
| gaacctcgta  | atacacgctt  | ccgtattatt  | cgtgccttgc  | agcagttgca  | gaccaagaaa  | 482640 |
| ctgacaaatc  | cggctaagaa  | acacggaaat  | attccattgt  | aattcgtgga  | ctattcgatt  | 482700 |
| attaacttca  | atttaagaaa  | tctatgagaa  | aaaacagaat  | aggaatatatt | ctttctctgc  | 482760 |
| tgttactggt  | cggtttctact | gcttgtacag  | aaacgaagtc  | gaacagtaag  | ctgggtcatca | 482820 |
| atgaagtgtc  | ggtagataac  | cagagtaact  | ttcaggatga  | ctacggcgta  | catagcggct  | 482880 |
| ggattgaaat  | attcaataga  | gcatatagca  | cggccgatct  | tgccggatgt  | ttgctgaagg  | 482940 |
| taagcagtga  | gccggggagat | acagctacat  | attttattcc  | gaaaggggat  | gtactgacaa  | 483000 |
| gcatcaagcc  | tcgtcagcat  | acactcttct  | gggccgatgg  | aaatcccaga  | cgaggtaactt | 483060 |
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| atgtgactcc  | cagcacgaac  | aatcagacga  | tagaaagtaa  | tcctaagatg  | gacaagttcg  | 483300 |
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| gactgatatt  | gctttatatc  | tgctttaagt  | tgattggtaa  | agcggctatc  | aagttacgca  | 483420 |
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| ctccgtggag  | ttcgaagatt  | tatacgttgc  | gtgaaactcc  | acataagaaa  | taatcatctt  | 483660 |
| aatacgtaaa  | gaaccatgaa  | agaatataga  | tataaaatta  | acggaaactt  | gtataaagta  | 483720 |
| accgtgggcg  | acatagaaga  | caacaatgtg  | cgtgtggaag  | taaacggcac  | gccttataacc | 483780 |
| gtagaactag  | agaagcagaa  | taagccgaaa  | attaaaccgg  | tagtacgtac  | tgcttcgact  | 483840 |
| tctccagccg  | ctcctcctgc  | tgctgtaacc  | cgtccggcaa  | gtgtaggaag  | caaggccggc  | 483900 |
| atcaaatacac | cgctgccggg  | agttatcctc  | gaaatcaaag  | taaaggaagg  | cgatatggtg  | 483960 |
| aaacgcggac  | agacattgct  | cattctggaa  | gctatgaaga  | tggaaaacga  | tatcaaagca  | 484020 |
| gatcgcgatg  | gtaaagttac  | ttctatcaaa  | gtgagcaagg  | gagaatcaat  | tcttgaaggt  | 484080 |
| acagacctta  | taatcatcga  | ataatatggg  | agagtttagt  | agtttcttac  | aaaataacct  | 484140 |

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| ggcagatttc | tggacctata  | ccggttttta  | taatgctact  | ccaggacatc  | ttatcatgat  | 484200 |
| cctgataggt | attgtgttca  | tttatcttgc  | tgttgccaag  | gaattcgagc  | cgatgttgct  | 484260 |
| gattcctatc | ggattcggta  | tacttatcgg  | taatattccg  | ttcaatatgg  | aagccggact  | 484320 |
| gaaagtaggc | atctacgagg  | aaggctcagt  | gcttaatatt  | ttgtatcagg  | gagtgacttc  | 484380 |
| cgggtggtat | ccgccgctta  | tcttttttagg | tattggagcc  | atgacggact  | tctcggctct  | 484440 |
| gatttcgaat | ccgaagttga  | tgctgattgg  | tgccgctgca  | cagtttggtta | tcttcggagc  | 484500 |
| gtatatgatt | gcattggaaa  | taggtttcga  | cccgatgcag  | gctgctgcta  | ttggtattat  | 484560 |
| cggtggtgcc | gatggcccga  | cggctatctt  | tctgtcatcg  | aagctggcac  | ctaacctgat  | 484620 |
| gggagcaatc | gctgtttcgg  | cttattcgtta | tatggccctt  | gtgcctgtga  | tacagccacc  | 484680 |
| tgatcatgca | ttgcttacaa  | ccaagaagga  | gcgtcttatc  | cgtatgaaag  | ctcctcgtgc  | 484740 |
| cgtatcacat | accgaaaagg  | tgatgttccc  | tatcatcggg  | ctgttgctaa  | cttgtttcct  | 484800 |
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| tttactggga | cttaccgtag  | gagcttctac  | tcaggcatct  | gaattcttga  | cttgggattc  | 484980 |
| catcaagatt | ttcatttttg  | gagccttgct  | attcttcatt  | gctactgctt  | cgaggagtga  | 485040 |
| tttcgttaag | atattcaatc  | tggttttgaa  | gaaagataat  | aagattaatc  | cgcttatttg  | 485100 |
| taatgcggga | gtatctgctg  | ttcccgaact  | ggcacgtatt  | tcgcagggtg  | tgggattgga  | 485160 |
| atatgatccg | accaattatc  | tggtgatgca  | tgctatgggt  | ccgaatgtag  | ccggagtaat  | 485220 |
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| tacattttta | aagattatcg  | ttaccctctg  | tcagactgtg  | tgaacagttt  | cgacaggggg  | 485340 |
| taaactcgat | aggctgatgc  | ctttcgacgg  | acgtactaca  | gcagtcgttt  | taccacgggtg | 485400 |
| ctgtttgttt | gaatatgaat  | aatgtttttt  | atatacgttc  | tttttcttat  | aattttgtaat | 485460 |
| ttaatgtggt | agttttcagt  | tttgtatgtg  | acgaattgca  | atatcttgaa  | atttagattg  | 485520 |
| actttaagtc | gtcatgcttt  | tgtcggatta  | aaaataagtt  | gtactttcgt  | cacctcattt  | 485580 |
| tcgaacttca | attttttgag  | gattatggaa  | ctaacagaga  | ataaactaaa  | gcaaaaagtc  | 485640 |
| cagcgaaaca | tactgatggt  | atcagatttg  | attctggtgg  | ggaagttttt  | ggcgtattac  | 485700 |
| ctgactaatt | ctgtgggtgt  | gctgacggat  | gctatggaaa  | gtattgtcaa  | tgtggcagcc  | 485760 |
| ggaacaataa | gcttggttcag | cttgtgcttg  | tcggaaaagc  | cccgggatac  | cgatcatcct  | 485820 |
| ttcgggcatg | gcaaaaattga | gctgatatcg  | gcttctatcg  | aaggatatatt | gattttcaatt | 485880 |
| gccggaggaa | tgattattta  | tgaggctatc  | aagcgattgc  | ttgtacctga  | tgaatttcag  | 485940 |
| aaagtggata | tcggtattta  | tatcattgcc  | atatcgggag  | tcttgaatta  | cctgatggga  | 486000 |
| tggtatagca | tacatatagg  | aaagaagtac  | aattccattg  | cattggtggc  | aggaggaaaag | 486060 |
| catttgcagt | cggatactta  | ctctacgatt  | ggtttggtag  | taggattggg  | tcttctttat  | 486120 |
| ttcacgaaga | ttacctggat  | agatagtgcc  | atggcactta  | tctttgggtc  | tatcatcatc  | 486180 |
| ataaccggaa | tttctattct  | aagaaagacg  | acggacaact  | tactggatag  | agcggatatc  | 486240 |
| aatttgttga | aagatcttgc  | cgatacattg  | aaccataacc  | gaaaaccgga  | atggattgat  | 486300 |
| attcataatg | taaaggtttt  | aaaatcggga  | acttctctgt  | atatggattg  | tgacctgact  | 486360 |
| atcccctggt | actataacat  | tgatcaagg   | catcgcatcg  | gagctcagtt  | gcagaaggta  | 486420 |
| ctgaacgata | agtattcggg  | gcatgccgta  | ctgaatatct  | atctggacct  | gtgtaacatt  | 486480 |
| tttgagagtc | cgaaatgtag  | caaatgtctg  | tgtacggatt  | gtccgtatcg  | caaacaaaag  | 486540 |
| tttgatcagg | ttgaggaaat  | caatgtcacg  | acgtttatcc  | gcaatgaaat  | ggaacgtcat  | 486600 |
| gagtaaaaga | aagatgataa  | actgatactt  | ggagcatcct  | tcaagacaaa  | ataaatgggtc | 486660 |
| gtatcactac | tcgaaacaga  | gtttgatacg  | accattttat  | gtgttatgat  | tacaatcagt  | 486720 |
| aatatttcga | aacagtcatt  | ttagttttga  | catttccttca | ttttgtcttt  | caatgactta  | 486780 |
| gattgggggt | agctgctata  | gcttccttgg  | gaatctgtaa  | cgtatagcgc  | gaatcatctt  | 486840 |
| gttccagcac | atattgttgt  | ttgttcagtg  | tcttttcgat  | acgtggacgg  | gttgtacggc  | 486900 |
| gaagatcgaa | ccagcgatga  | ccttcgaagg  | caagctctct  | ggcacgttca  | ttcactatct  | 486960 |
| cttttaccag | ttccactttg  | ctcagacctt  | ctacgtaggt  | tttcttctgg  | gcgtatgctt  | 487020 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cggtgtata   | acgcttttcc  | atcaattgca  | gcagtcgttt  | gcgggcttcg  | gggaggttgt  | 487080 |
| ccgattgtgc  | cgccgcttct  | gcactgttca  | ggtatagctc  | tccggtacgt  | atggtacaac  | 487140 |
| ggaattcaga  | gttacctccc  | ttttgcgatt  | tacggtttcc  | ttctttatcg  | gtcggagcaa  | 487200 |
| agtaaaccatc | cgggcgaagg  | tcacccgcct  | gatacatgct  | caggaatgaa  | ggaagtacgg  | 487260 |
| aaacggcacc  | ctgataattg  | ctgttaaggg  | tgtattccag  | tgcgttgatt  | gcttctaccg  | 487320 |
| actgatagtg  | gttgggcaac  | ttgaaacctt  | ttactttaaa  | gtcttccagt  | tcatttttaa  | 487380 |
| cttttaaagc  | ttcttcggcc  | tgtgcataag  | cattttttcca | gtcgcccatg  | tagagataaa  | 487440 |
| cacgtgagcg  | gatagccgga  | acacagactt  | tggatgaagcg | gtaggagagc  | gtaatatcat  | 487500 |
| cccacttttc  | tacgttcaac  | agtgtttcgg  | cacttgacag  | gtcttccagt  | acagaggcat  | 487560 |
| aaacttcgct  | cacggtattg  | cggaacaact  | gcttttccag  | atcagtatcc  | agtttcagcg  | 487620 |
| gaatcgcctt  | ggttgccgga  | gcccccggtt  | tggatatatgg | ttgtccgtgc  | aggttttacca | 487680 |
| gaatgaagtg  | catatatgcg  | cgcacaggtt  | aagcttcacc  | cgtaagttag  | gcgatttcgc  | 487740 |
| tctgactgcc  | ttcgggttatt | tcacgtggtt  | gttcgataat  | gaagttagga  | aaaaacaata  | 487800 |
| cttcgtaata  | attagcccag  | tcgaacgata  | cggtagtagt  | ggaagttagt  | gtaccttccc  | 487860 |
| agcgttcgat  | acctccgat   | ttatcctgat  | cctttgagtt  | acttacaac   | atttcgctcg  | 487920 |
| cacccatgca  | ggcaagtccc  | cggtcggcgg  | gaacagtagt  | gcaggcggtt  | agccacaaag  | 487980 |
| cgcgatactc  | agccagcggt  | tgaggaaatga | cacttcccgt  | aggctggata  | tccagatact  | 488040 |
| tgtcgcagcc  | tgtcagtaag  | agtgtcagac  | aggcaaaaag  | caagccaata  | tattgtttct  | 488100 |
| tcattgttcg  | ttaagagtta  | aaagttaaga  | ttcagactga  | atgtaaata   | tttcggaatg  | 488160 |
| ggttgtgcat  | acgggttacc  | catcggttcc  | ggatccagat  | aattggtgta  | gctcgaaccg  | 488220 |
| aatacaaaca  | ggttacgtcc  | ctccagtgct  | acagttgcct  | gactgactcc  | cagttttttt  | 488280 |
| atcagttcga  | acggcaactc  | atatcccaga  | cggatactct  | gtatacgc    | gtagttttgt  | 488340 |
| tttttcaccc  | acaagctgga  | attcgcatac  | ggattttacag | ctccatcgat  | aaagaagtaa  | 488400 |
| gcatccatgt  | cgacattcga  | gtctaccagt  | gccggcatcg  | tgcctttcgg  | attttccgga  | 488460 |
| gtccagcggt  | tcaggataatc | acgggttcgtg | ttctgaccgc  | ggtcgaatga  | cgtaagcgag  | 488520 |
| tagctgggtt  | gtacacgtac  | ataacctcca  | gcgttaaaga  | tacagttgat  | acccagttcc  | 488580 |
| catgctttat  | aagtaaagggt | attgttaaaa  | cctcccgtat  | aaggagagtc  | ggctgttcc   | 488640 |
| atatattcat  | atttatccc   | tagctctttg  | ctgggtcaagt | tgtaggttcc  | gaaaccaa    | 488700 |
| tcctgtactt  | tgaaaaattc  | tttcatcgat  | tcaacttttc  | ctgtttccct  | gtttagataa  | 488760 |
| gtcatctgtc  | cgtgttcac   | tatacccgca  | taagggaatg  | caaagattgc  | tccggccgga  | 488820 |
| tagccttcac  | gactgggata  | aatggcatct  | tttcgtattg  | cttctttcaa  | aactttgttc  | 488880 |
| tgattgtagg  | caaagttgaa  | agtggtcgtc  | cacataaacg  | acttggtatg  | tatgtttcgc  | 488940 |
| gtagacaatc  | cgacttcgat  | acccttggtc  | gtcatgctcg  | cccagtttat  | attggtcgag  | 489000 |
| gtaaatcctg  | tttccagtg   | aagcatttgc  | aggccgatca  | agtctactcc  | cttgcggtaa  | 489060 |
| tagtaatcta  | cgctcagact  | gatagcctgg  | ttcagaacgg  | caaagtccat  | tcccacgttt  | 489120 |
| acggaatgag  | tcttttccca  | gcgcagctta  | tcgttggggg  | cagagtttac  | cacaatcatg  | 489180 |
| tcttccgtat  | ttccgggcag  | gataggggtt  | gcattcgact  | ggtattttacc | cagcagatac  | 489240 |
| ggagaggtat  | tcttgtcgat  | gtttccttgc  | aaaccgtacg  | atgcacgaat  | caccagatta  | 489300 |
| tccagccact  | tggcggtttg  | cgtaaaccggc | tcttccgaga  | tacgccacaa  | ggcactgacc  | 489360 |
| gaatacagcg  | gcaggtaacg  | gtatttcttg  | tctacgccaa  | acaagtcaga  | accatcgaaa  | 489420 |
| cggatacttc  | ctcccaatgt  | gtatcggttc  | agcagcgagt  | acgacatggt  | agagaaggcc  | 489480 |
| gatacatagg  | cattctctac  | attgggtctt  | gcgtgtaacg  | ggaaagcctg  | tgattcgctg  | 489540 |
| gggaataacca | ccggctgggtt | ggtcatggta  | cggcggtcgt  | atccgtagcc  | caccgagtaa  | 489600 |
| agtgtcgtag  | cccacgtacg  | acgaagtctc  | gaaccgacca  | tgatttcgaa  | ttcgtgaata  | 489660 |
| tcagcatagc  | tgtcgcggta  | tgtaccata   | gttttccagg  | taacctgtga  | atccgagttt  | 489720 |
| tcataattct  | tgtcgaaacc  | acctttcttc  | ggaaggaaag  | aaactccggt  | gttacgtcg   | 489780 |
| ttctgatgtt  | ccagacgc    | ggcaaaagat  | tcctggtcgg  | caatctgttc  | acgcgatgtc  | 489840 |
| ttgtcgagct  | gcaatccac   | ctgcgaagta  | atcttgaaac  | ggtcgtcgaa  | acgaagttcc  | 489900 |

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|            |             |             |            |            |             |        |
|------------|-------------|-------------|------------|------------|-------------|--------|
| acatcgaaga | tggaagacaa  | cgaattgatg  | gttgtttcat | tcgaggtatt | ctgtcgttcc  | 489960 |
| tcgaaagtat | tgaacagtaa  | ctctgagttt  | ccactttgaa | tatcactgtc | gtatacataa  | 490020 |
| tttccatcct | tgtcgtacgg  | agtcaggtac  | gggttggcga | tacgggcata | gaacatcggg  | 490080 |
| ttggtaaadc | cgtcggttgc  | cagatacga   | ctgtttttac | gacggttcgc | gaataccgaa  | 490140 |
| gctccgaact | tcaagatatg  | atttacctta  | taattggctt | tcataccag  | gttcagacgg  | 490200 |
| tcggaagaca | cggtgggaat  | atttcctgt   | tcctttgaat | atcccagtga | cgtatagtaa  | 490260 |
| gtcgttttct | cgttaccgcc  | cgacaagctc  | aagttatatt | cctgactgaa | tgcatacctgt | 490320 |
| aataagatat | cattccagtc  | ggtattgatc  | agacgcaagg | cgttgatgtc | attctgagcc  | 490380 |
| tctttcgaga | gagcatccca  | tccgtttttt  | tggaaagcat | tgattgcatt | gtaacgcttc  | 490440 |
| aagatacggg | aaacttctcc  | cttgtcggca  | ttcatggtat | aattgctttt | catcagttgc  | 490500 |
| aactctaagt | caaccttttc  | cgatgcattc  | agcaggttca | accggtcgt  | gttctgttgg  | 490560 |
| ggagaccagg | taagacgcgt  | actgaagttg  | attttcgtct | ttcctgcctt | accgtttttg  | 490620 |
| gtggaatga  | caatcacacc  | gttggcggca  | cgcgacccat | aaatagctgt | tgcggcagca  | 490680 |
| tctttcagta | ccgtgatgtc  | cgcaatgtcg  | gcgggattta | gtccggcgat | ggacgactgt  | 490740 |
| tgtacatcgt | cgatattttt  | cagtgaattcc | atactcgaa  | tatcggtacc | ttccagtggg  | 490800 |
| ataccgtcga | gcacccacag  | cgggtcctgc  | gttccattca | gcgatgacgt | accacggata  | 490860 |
| cggattttca | ccggagaacc  | cggagctcct  | gaagttgtga | cggctgaaag | tccggcaatc  | 490920 |
| tgtcccgaaa | gcgcctgatc  | aatgctcttt  | accgtaccga | tacgctcttc | cgaaatatca  | 490980 |
| atttttgcaa | cggcagctgt  | cagtttgagg  | cgctctacgg | tctggtaacc | ggttaccacc  | 491040 |
| acgtcgttca | acatggtcga  | cgaaggctgc  | aaggcaatgt | tgtaatgcgt | ttgtcccggg  | 491100 |
| ttcagttcta | tctgtagggg  | agtgtatccg  | atgtagctgc | attgcagttt | ctttacaccg  | 491160 |
| gaaggaacag | aaatggagaa  | attaccgtcg  | atgtcggtaa | cgacgcccc  | agacatcaga  | 491220 |
| ctgcttccgg | ctttcttcaa  | gtcatcggca  | gaaacatata | cggaaacacc | aatcagaggc  | 491280 |
| tgtttgtcgt | catcggcaat  | tacgttaccg  | gtaattacct | tgctggccgc | ccatgtgaca  | 491340 |
| caagtgcaca | cgacgagcag  | caaagtcaat  | aataaggatt | tcttcattga | aaaaaagatt  | 491400 |
| gttattgatt | ttgtataaaa  | atagtttagt  | tgttgttttt | gtatgtcggc | acaggaagaa  | 491460 |
| cgagcttagt | tgttcagtc   | cagtgccgta  | ttgatacgca | ggatcatatc | gtcgtaatga  | 491520 |
| tagcgtgctg | cggtatcggg  | cgtgttacgt  | cttgcttcca | gcagcctttt | gatacgcagc  | 491580 |
| aactcccctc | gttttaccga  | aatcgcgtcc  | gaaatacggg | ttacctgtcc | gccgtagaag  | 491640 |
| ctaagttcgc | gtctgggtcc  | catgcgtcga  | gtctgtttgg | tacagaactc | atcgtgactg  | 491700 |
| caccacggcg | tgtgatggaa  | cagatacggg  | ttgccgctgg | tagcagtcag | ttgcttggtg  | 491760 |
| attttcactc | cttcactttc  | ggccgcagcc  | gtaatcagcg | catcgagaaa | acccttctgc  | 491820 |
| aagttacgct | ccattacgtc  | ggcggtacct  | cccttgatgg | tcgttgcaaa | gatggagtta  | 491880 |
| tgcattctgt | ccatcatttc  | cactacggta  | aatgcctttt | tgccgttctt | cagttcgttt  | 491940 |
| tccagcatat | gcatacggcg  | ctcgttcgag  | agcaggtccc | agaagatgta | tccctgtgta  | 492000 |
| ttcttcagaa | tctgactcgg  | agcgtactct  | attactccgg | tcggattttt | gcgcagcagg  | 492060 |
| aacgtatagt | cggaaatctc  | cgtatcgaac  | aaccagcgcg | ggtagcaaa  | tacctctttc  | 492120 |
| agcagaaaat | cgagtgaagc  | agcctgcttt  | tccttctcta | catacgtgta | tgtctttact  | 492180 |
| ccgtcgccca | cgggttgatt  | ttcgatgtag  | atacctccga | tattcgccat | cacatgatac  | 492240 |
| aagtaattgt | tccattgagt  | aattacggca  | tagtacaggc | gggaagcctc | ttcgtacgat  | 492300 |
| tgtccctttt | ctcccgtagt  | cgtccatttg  | atgatttcgg | gcacgatacg | cttcagggtg  | 492360 |
| gcaataccca | gttccgaaga  | ccgtaccgga  | tcatacccca | aatcttcggt | ctgagctctc  | 492420 |
| ggatcgactg | ctgagcgagg  | gtcttgcgct  | tcgctgtatt | tatacagtcg | tccgttggtg  | 492480 |
| ctgttcagga | aatcgtataa  | cacttccttt  | tccgcttccg | gagtaggcag | accgtaccag  | 492540 |
| cggtagccat | attcgatggc  | aaacagatcg  | tacgggcca  | tgtgcggcga | aacagccgta  | 492600 |
| accccgctgc | cgggctgtgc  | cacgtagttg  | taacgggcat | agtccatgat | agatgaggct  | 492660 |
| gtagagtcca | tccggctctgt | aaagcttttc  | gaacggagtg | aatccgtcgg | gaaagtccac  | 492720 |
| gagcccatca | tggtgtggcg  | caatcccagc  | gaatgtccta | cttcgtggca | ggccacaaaa  | 492780 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| cggtatggcat | ctcccatcat  | atcgtcgggt | agcttcgtcc  | ctcgtgcttt  | cgggtcgatg  | 492840 |
| gcacctgtct  | gaacggatgat | ccattcctgc | accatcgaga  | tgacattgtg  | ccaccacatg  | 492900 |
| atgtccgctt  | ccagtatctc  | tcccgaacgc | ggatcaagga  | tggacgggtcc | catcgcatg   | 492960 |
| gctttcgacg  | aagccgcgta  | cgtgactacc | gaataattga  | tgtcgtcggc  | atttgccgcc  | 493020 |
| acgctgtcgg  | gcaattcctt  | cgcaaggatt | gcatgcttga  | atccggcacg  | ttcgaatgct  | 493080 |
| acctgccagt  | cttctattcc  | ctgcttgata | tactttcgcc  | agcggtaggg  | agtagagttc  | 493140 |
| tcgatataga  | atacaatcgg  | cttttcgggt | tccacgagtt  | ctccacgcag  | atatgcctca  | 493200 |
| cggctttccg  | gtttcggctc  | cagtcgccag | cgtgtaatgt  | atTTTTTctc  | ttccgTTTTc  | 493260 |
| tgttggaat   | cgctgaaata  | gagcaaattc | ttggtgaaat  | aaccactttt  | cggatcgtcc  | 493320 |
| agacggccca  | tcatcggctt  | ttccggcagc | agcacaagcg  | acgaactgac  | ctctacggta  | 493380 |
| acattcaccg  | acgacattcc  | ctcacgcact | ttcgtagtca  | gttcggacgt  | ggccacgata  | 493440 |
| ttgtttggga  | aagccttgat  | agacaagata | cgcgacaggt  | cttttaccgc  | cgaagtccct  | 493500 |
| aaattgatgt  | tatcgaaaac  | attgttgata | ctggtttctg  | agccgtcgta  | aatatcattt  | 493560 |
| atctgaatca  | gtaccgatgt  | tgaatctgca | ttgcaagcct  | ccaccttgaa  | gtcggcaatg  | 493620 |
| agcggggaga  | tgaagttatt  | gcgtaccgaa | cgggtaatgg  | catcgtgttc  | gggcgattcc  | 493680 |
| ggcagcgggc  | ggctctggcg  | taccataatc | tttttcgccg  | gcttgttcca  | ttcaaaacgt  | 493740 |
| atcatctggg  | tttcgtagtt  | cgtaccacga | ttcacaccgg  | catcattcag  | ttcgaaagggt | 493800 |
| accctttgca  | gtttgttcac  | caccagcatg | tctcgtgtaa  | gcaatgaagc  | tggaatttcg  | 493860 |
| aaatagtact  | tgtcgtcttg  | agcatacaca | ttgaacatac  | cgcgggaaat  | cagggtgcct  | 493920 |
| tcggatgcga  | ttttctcaaa  | gtcggtttta | cttgtttctt  | cggctttttc  | tttgtccttt  | 493980 |
| ttcttcttcc  | acggaaaaac  | tttagctgct | gttgctgcgt  | tgcagtgggt  | tgcactccca  | 494040 |
| gtcgaatgat  | aaatagggac  | gcacaacaag | gtccttgcta  | aagcgtgtag  | taggggtctg  | 494100 |
| tttagtaaca  | taacgtgagt  | tcgatgaatt | ataactattt  | gtaaatttgg  | tgattagcga  | 494160 |
| aaattgttgt  | aactttatag  | tgttcaatta | caaagtatta  | caaacaataa  | tcgctatgat  | 494220 |
| caccgaggac  | aaagttacag  | aattatTTTT | tatggcggac  | gacttctgca  | agtttttttga | 494280 |
| tgcaatgatg  | gaaaaatata  | cgctgaaatc | aggcaccaag  | cggcggtatc  | accgcgattc  | 494340 |
| gactatgtca  | aaggcagaaa  | tcatgttgat | tatgatattg  | ttccatgact  | ccggctaccg  | 494400 |
| ttgtctgaaa  | catttctatc  | tggaaaaagt | atgcagacat  | ctgcgccacc  | tcttcccaaa  | 494460 |
| gattgtttca  | tacaatcggt  | ttgtggagct | tgaaaaagaa  | gtggcagtac  | cattggctct  | 494520 |
| tttcattaag  | aaagtgttgc  | ttggaaaatg | cacaggcata  | agtttcgtgg  | acagcacccc  | 494580 |
| gttgcgggta  | tgcagggaatc | aaaggataca | tatccacaag  | gtattcaagg  | gtatagccca  | 494640 |
| aaggggcaag  | tgttccatgg  | gatggttttt | cggtttcaaa  | ctgcatttga  | tatgtaacga  | 494700 |
| gaaaggcgag  | ctgtgaaact  | tcatgataac | tccgggtgat  | gtcgaatgaca | ggaaaccggt  | 494760 |
| ggagtataag  | gcgtttgtcg  | aattcatcta | cggaaagtgt  | gttgacagaca | agggctatat  | 494820 |
| cggcaagaac  | ctcttccgac  | gcatgtttgt | tgacgggtata | cagcttatta  | caaaactcaa  | 494880 |
| aagtaacatg  | aagggggctt  | tgatgagtgt | gtcggacaaa  | ttgctgctta  | ggaaacgggc  | 494940 |
| tattatagag  | acggtaaacg  | acgaattgaa | aaacattgct  | caagtggagc  | attccagaca  | 495000 |
| cagaagcttt  | gacaatttca  | tcgtaaacat | actgggggct  | attgcggcgt  | actgcatgtt  | 495060 |
| tccaaaaaag  | ccgtgtatca  | atgtacaacg | tacatttgac  | acacagcttg  | ctttgtttttg | 495120 |
| aattcgtcga  | attcacgtta  | acataaataa | cgttttagttt | gaggttgtaa  | taaattacaa  | 495180 |
| aactatgaat  | tttataggat  | tgttcgggct | tattgtctgt  | gtaggagcaa  | tatttattaa  | 495240 |
| taattaagta  | ttattttgtac | cttgtttttg | ccttcacgcc  | cttcacacgg  | tctgaattgc  | 495300 |
| gggctttttg  | agtatttcaa  | gctatcgatt | ttctatatct  | gagcagggat  | ggtgaagggc  | 495360 |
| gtgaagagca  | aaaaagcatg  | attgattttg | tttggaacgg  | cttttgcgct  | tgttcctgaa  | 495420 |
| aatttctctc  | gatatttttg  | gaaaatttgt | acaaattcta  | aaatgttttg  | tacaaaaaat  | 495480 |
| cggagggagt  | tagtgaaggc  | agaaatgatc | tctgccgaat  | tagcgagcag  | gaagtagtag  | 495540 |
| cattcacaaa  | aaatcccat   | tcctgcaaaa | ttcactttgc  | agaaatgggg  | ataaaaaact  | 495600 |
| gatttttttag | aagttgagt   | gtgaatttat | ttgttaggtg  | aatcccattt  | gtgtgtctgg  | 495660 |



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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| ctgcacgtaa  | tgttcagtg   | ctgattgccg  | ctttgcatac | ggaaatcacc  | ttgttcgaga  | 495720 |
| atccatttac  | cgtcggctcc  | aacgaacgcg  | aggtcgctgg | ctttgatgg   | caaggtaacg  | 495780 |
| gtcttggttt  | cacccggctt  | taattctatt  | ttctggaagg | cacgcagtct  | gcggttttcg  | 495840 |
| ggtacaagcg  | aggctaccag  | atcgctgctg  | aacagcatga | cggtttcttt  | tcccacacgg  | 495900 |
| tttccggtgt  | tggttacatc  | tactgagaac  | tgagctcg   | cggtagctgt  | gaatgaagag  | 495960 |
| tggtttacac  | gcaggttgct  | atattcgaat  | gtagtgtagc | ttaatccgta  | accaaacggc  | 496020 |
| cactgtacgg  | aaataaccgc  | atcgtaatcg  | taggctcctt | ccatcttata  | catttcttcg  | 496080 |
| cttaccgggt  | aatcgtaggt  | tgtaagtgt   | gcctgatgac | gcgggtaggt  | ataaggcatc  | 496140 |
| ttggcacttg  | gattggcatc  | acctgccaga  | atatttgcca | gagcatctgc  | tccatagtta  | 496200 |
| cccggcagca  | gtatgttgat  | gattccgctg  | gcaagaggtt | ccagatcggt  | tatcagacga  | 496260 |
| ggtctgcctt  | cgttcaatat  | caggacaatc  | ggtttaccgg | tagcagccag  | tgctttaacg  | 496320 |
| agttcacgct  | ggctgggaga  | gatggtcagg  | tcggaaagat | taccggcgt   | ttcgcaatac  | 496380 |
| gagttttcac  | cgatgcaggc  | gatgatgatg  | tcaacgttct | ttgcagcagc  | tacggctttt  | 496440 |
| tcaatttccg  | gttcgttttc  | ttcgggtataa | gcaccttcg  | gcttgtaagt  | tacaccttgt  | 496500 |
| tcaaggggtga | tgttttcggc  | accgaacttg  | ttgcacaggg | cttcgtaaat  | ggtattgtac  | 496560 |
| cttccggcaa  | atctgtctgc  | cagatgtcct  | tgccatgaat | agctccagcc  | accgttcagg  | 496620 |
| caacgcacatg | agttggcggt  | cgggccggta  | accagcagtt | tcttgccctt  | agccaatggc  | 496680 |
| agaatgttgt  | tctggttctt  | caacagaatt  | tccgattctt | cggctgcacg  | gagagccagt  | 496740 |
| tcggcatgtt  | ccttgctgcc  | aaacaaagga  | tattccttag | gttgggtatt  | ggggcgctcg  | 496800 |
| aagagtccca  | gacgatactt  | cagccggagg  | acacgacgta | cggcatcgtc  | tatacgactc  | 496860 |
| atcggcactt  | tattttcttc  | taccagttct  | ttcagcaggg | tacagaagtt  | caggtcatag  | 496920 |
| ggctccatgg  | ccatatcgat  | acccgcattg  | atagctatct | ggattgcttc  | ttttttggtg  | 496980 |
| gcggcaatac  | gttcacgggt  | atacagattg  | ttgatgtcgg | cccagtcggg  | gatcagcatt  | 497040 |
| ccgtcccatc  | cgaggtcttc  | tttcaaccat  | ttcgtcagca | gctcgtgggt  | ggagtgaacg  | 497100 |
| gggacaccgt  | tgatggaacc  | actgttgacc  | atgatggtca | gtgctcctgc  | ttccacgcat  | 497160 |
| tccttgaaaag | gagcaaagca  | tttttcgcgc  | aactctgata | cagagatata  | ggcaggggta  | 497220 |
| cggctttttc  | cgggtgcgtg  | catgctgtaa  | cccatgtaat | gttttaccga  | ggtagcgata  | 497280 |
| cggtcggctg  | gaatatgggt  | ggggtcatct  | ccctgaaatc | cacgaacggc  | tgtacttccc  | 497340 |
| atgatggcgt  | ttactagaca  | gtcttcaccg  | tagttttccc | acacgcgcga  | ccagcgtgga  | 497400 |
| tcgcgtgcca  | tgctgacggg  | aggagagtat  | gtccacggac | agtcgctggc  | acgagtttcg  | 497460 |
| tatgctgtta  | cgcggtctgc  | ttcgtatgcc  | agatcggggg | tgaaagaagc  | tcccagggtg  | 497520 |
| atgttctgcy  | ggaagagtgt  | tccgtccagc  | gtataagtcg | ttccgtgggt  | ctggtccaga  | 497580 |
| ccgtaaatgc  | agggaaatacc | tatttctttc  | atcgacatag | actggatagc  | gcctatgatt  | 497640 |
| tcctgccatt  | tggtctgtgc  | ttgtgcaatt  | gggcccggtg | cattcaggaa  | tgaaccgacc  | 497700 |
| ttgtattcgg  | ctatggcttg  | gtgaagtttg  | gcttcattct | gcttgaaactc | tccgtcgacg  | 497760 |
| aaacttccca  | gcacatcaat  | ggaaagttcg  | gtcatctgtc | cgatcttctc  | ttccagcgctc | 497820 |
| atcttcgaga  | gagtcgtttc  | tacttggtgc  | tccagtttgg | catcttttagc | gatttgctact | 497880 |
| gggggagctg  | cctgtatgga  | acaggcagct  | attgctatgg | aaaataaatt  | taaggcaatt  | 497940 |
| tttttggtga  | tcataatggt  | attaagtgtg  | ttattgtacg | ctaattctat  | ctacataata  | 498000 |
| tccgtgtccg  | atgcataaga  | agccatcttc  | tgtctgaatc | ttatccagca  | cttcctgtgt  | 498060 |
| gagttgtact  | tgttttactc  | cgtctttctg  | gaattcgatg | acagaggtgc  | ctggcagggtc | 498120 |
| attccaccag  | ccggttgccg  | tacgtaactg  | atggtatacg | tctgccggat  | ttacggagta  | 498180 |
| atggatgttc  | aatacagctc  | ctgccttgag  | agtggcaaat | acatcttttc  | caatcagggtt | 498240 |
| gaaagtcttg  | ttcggatcat  | catcaggcaa  | atcccatgat | acgtagtgat  | gaccttccca  | 498300 |
| caaaactctc  | tccgaagata  | cgactacagt  | ctgttctgcy | atgtttcctt  | cgcttggtata | 498360 |
| gaacattact  | tctttgcccg  | aagtggctct  | tccggtaagt | gcgtattctc  | cgtcttccag  | 498420 |
| agaaggacag  | gtaaaggcta  | tttcggtagc  | cgactgtcgg | gtaaagctgg  | ttatgggtctg | 498480 |
| tccggcgaaa  | gtgaacgatg  | cgatctggtt  | gaggttgata | cctgtcatca  | cccatttact  | 498540 |

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|             |             |             |            |             |            |        |
|-------------|-------------|-------------|------------|-------------|------------|--------|
| gtttgctgtg  | atgctgttccg | agccggctgt  | gataagtga  | tcgtgtgtaa  | cggttacttt | 498600 |
| gtttcctccg  | tattcattgc  | ctccatcgtc  | tacaaggatg | attcgatacg  | ttccgtctgt | 498660 |
| caggctctgcc | ggtacagtgt  | attcaatgta  | gctgttggct | ccgttgtcgg  | tataaacgac | 498720 |
| atcggttgct  | gtttttccgc  | caatgacgat  | gctctttact | ttattgagat  | tgctgccata | 498780 |
| aagctgtgct  | ttttctcctg  | cggcaatgat  | gcgttcaaag | gcaacctccg  | tagcccaggg | 498840 |
| gtcgtctgcc  | aagggattta  | cctgaataag  | tccttcacgg | taggtcgatt  | taccgatgtt | 498900 |
| ggtttagca   | gtcactttca  | ggtgataagt  | tcctgctttc | aatgctgagg  | ctatttcctt | 498960 |
| tccggtctgt  | atttcttctc  | cgctgatgaa  | ccatgtaacg | gttgataaat  | cggctggagt | 499020 |
| aacggttaagg | gtcatcgaga  | aattggcatc  | gcgactgatg | tttgaaacaa  | ctggcagttc | 499080 |
| gccgtttacg  | cggctcgggaa | acaacgggtc  | gagaatgcgg | ggatcatcat  | tctctgttgc | 499140 |
| tgtagaaaag  | ggagtttctt  | ccgtgcaggc  | aatgagtcca | aaactcaagg  | caagcatcat | 499200 |
| caatagtatg  | gaatataatc  | ttttcatatt  | gattcgaatt | taaaaatggg  | tgttattttg | 499260 |
| ttgcatcttt  | gtcccacat   | accggagtat  | accagttgtc | tgttcctccc  | atgcgactta | 499320 |
| atgcttcttc  | gtaacttgct  | ttgttgtaag  | aagattccag | caccggatag  | caaagacgta | 499380 |
| ccggaatttc  | tgtacctccg  | gtgaggtatt  | gtccaaatcc | gtattccgct  | ggtgatttca | 499440 |
| gcttcggata  | accggaacga  | cgtatgtttg  | cccaacattc | ggccggattg  | gtgaagtga  | 499500 |
| gaatccatgc  | ctgagtattg  | atggcctctt  | tcttctgttc | gttggtataa  | cctattccgt | 499560 |
| tgttactaat  | atattcggtg  | aaggcttcat  | ccgatacctg | gtcgcacccg  | taattgtctg | 499620 |
| tcagaaaatc  | catggccgca  | cgtacgcctt  | ctttgtatag | atcttctacc  | gattcacttc | 499680 |
| cggcgttcca  | tcccttcagg  | gctgcttcag  | ccagcaggaa | tttaacttct  | gcgtaggtta | 499740 |
| taacgacacc  | gggattggta  | cttttcagga  | aattgtttgc | catttttaggt | tcggtttcac | 499800 |
| gagatacgct  | cacggttaca  | gaaggattgg  | tttctgccag | ttctttcaga  | atgtcgctgt | 499860 |
| cgtatcctgt  | cggccaaggt  | tcccaagaat  | atgctcccgg | atcgacacgga | tggaatcgga | 499920 |
| tacctttttc  | aagcatttca  | ttcgtcaggt  | caatacgggt | atcggggctg  | gtcgagctca | 499980 |
| tcagtccgtc  | gtagtagcag  | cgtccgatca  | tgaatgtacg | agggctcgccg | gtattataca | 500040 |
| actggttgaa  | gaaggtagag  | cagaggtagc  | tcgggttatt | tgccgggtca  | ttaccgaata | 500100 |
| ataactgtga  | caaagcgttg  | ccacggtagt  | cgggtgaagt | ttcttgtccg  | aaactgaatg | 500160 |
| atttttccat  | gtactgaatc  | agtgcgtcgt  | cgctcgctgt | ctggaagata  | cctccttcat | 500220 |
| cttgacgggc  | tgcttcaaac  | tcttgcgtgag | ctttttgagg | agctacgttg  | gagatacgca | 500280 |
| tggaacatct  | caatctcaac  | gagttggcaa  | gttttttcca | tttgtttaca  | tcgccgttgt | 500340 |
| agataacgtc  | tcctgtgatt  | ttgtccttgc  | tggtatccag | attattgcct  | gcggttttca | 500400 |
| gttcggtaaa  | gaagtcgttg  | tagatttctt  | cctgtgtgtc | gtagcgagga  | ttgaattttt | 500460 |
| cttccaaaaa  | tccttttccg  | gcttcgctgt  | aaggtagctc | cccgtgaata  | tctgtgatga | 500520 |
| gggacatcag  | gtatactctg  | tagatacgta  | cggcagcgtt | gatgtttact  | ttgtcggcat | 500580 |
| tgctggttgt  | acgatactgt  | gcgtcgggtc  | ggtttttgat | ggctgtggta  | tagaatgtgg | 500640 |
| tccacacgcg  | tcccattctc  | ttgttgtcga  | cggtagtctt | tcctccgtag  | ttggttgtat | 500700 |
| tccagcatcc  | catcagttgc  | tggttgaagg  | agtataggta | gtttctgtag  | atttccacca | 500760 |
| tactcaagtc  | gccgtaagtc  | tgcaactgag  | ctgtagttag | ctgtgcattc  | ggatcgatgg | 500820 |
| ttgcggcttt  | cgacgggtct  | gtattcatac  | tttccatgta | ttcgtcgcta  | catgcggtga | 500880 |
| agagcagggg  | gaatgccgtc  | aatatcaagg  | taaggtagta | tttatagttt  | ttcattgtat | 500940 |
| atctacttta  | atatattgaa  | cgatgaatat  | tgttagaatt | tgagattgac  | attgaaaccg | 501000 |
| tagcttctgc  | gtgacggcag  | tgaaccgtat  | tccaatccca | taccggtagt  | gttggtgtag | 501060 |
| ttcgaatccg  | ggtcaatgtt  | aggaatgttc  | ttccatacga | tgaacgggtt  | acgtgctacg | 501120 |
| aacgaaacag  | tgagtccttt  | tactacattc  | ttcaaccatg | actgaggtag  | tctgtagctt | 501180 |
| aaagtgattt  | cacggcactt  | gatgtaggag  | ttatcgtaga | taaacatgga  | aggagcgttt | 501240 |
| cggcagacac  | tcatccagta  | gtcttccgga  | ttgatgtaga | tgctggtcgg  | acgataagtt | 501300 |
| ccgtcgccat  | tgctgattac  | acccggagcg  | atgaaaccac | cggtcggagt  | ccagtcggga | 501360 |
| gagcctttgg  | caattccggc  | agcctgacgc  | tgttcttcag | aacgatacca  | ttcttcacgt | 501420 |

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|            |             |            |             |             |             |        |
|------------|-------------|------------|-------------|-------------|-------------|--------|
| ccggcaagtg | tttccttgct  | ctttcctgat | tcgtaagaag  | cacgggctga  | catagagtaa  | 501480 |
| agatcggctc | ctactttgat  | atcgaagagg | gcagacagtg  | acaggttttt  | gtaggtaaga  | 501540 |
| gttggtccga | caccaccggt  | ccagtcccat | gaagcattac  | ccagaacgtg  | gttgctcttg  | 501600 |
| tcgtactgag | gaagtccggt  | ctgcggtcg  | atcaggatat  | cgccgttttc  | attgctcttg  | 501660 |
| aagtccggac | ctacgataga  | accgaagttt | tcaccacct   | tagctgcaac  | ttgtacatcc  | 501720 |
| agccatgcag | ctttttcaag  | ttcgaacata | tccatgtcgt  | ctaccagctt  | cttaaccttg  | 501780 |
| ttgctgttct | ttgagaagtt  | caggttcaag | tcccaagaga  | aatccttgag  | ttgtaccgga  | 501840 |
| cgggtgttga | gggctatttc  | aatacctttg | ttctcaattt  | cacctgcatt  | gatgaggcgg  | 501900 |
| taattataac | cggttgtcca  | tgaacttgcc | atacccataa  | tctggttctt  | actgttcttg  | 501960 |
| gtgtaatatg | tgaagtgcag  | tccgatgcgg | ttgttcaaga  | acttcatttc  | cagaccgagc  | 502020 |
| tcgaaagagt | tcgtctttgt  | cggtttcagg | ttcttggttcg | gcatggttga  | attgttgata  | 502080 |
| tagccgatag | tgtaacccgg  | ataagtaa   | ttggatttgg  | tataaaccag  | tcctaactga  | 502140 |
| tacggatcgg | tgtcgttacc  | tacctgtgcc | catgacagac  | ggaactttcc  | gtaaggcatc  | 502200 |
| aggttactct | tcagcagttc  | tgagaataca | aagctaccgg  | agaaagaagg  | atagatatat  | 502260 |
| acattgtttc | cgataggcag  | tgtagacgac | tggtcgccac  | gcagggtagc  | atcgaggtaa  | 502320 |
| accaaatgtt | tccatcctac  | attcacggct | ccgtaaagtg  | agttgatttg  | cttgcggtag  | 502380 |
| ctgttttgct | ccagactggt  | ttcgttgaaa | ctcatcagag  | ctactacatc  | gcgaatctgc  | 502440 |
| atatcttggt | cggtagtgat  | tgtagtctgg | ttgtttacct  | tataaatgtt  | tccaccaag   | 502500 |
| gtcgcgttga | aatcgaaatc  | tcccatgta  | ttgttgtaaa  | gagccagcag  | ttcgaagttg  | 502560 |
| tacatacgg  | tgcggaagtt  | actgttctgc | aagtaaccgg  | cttcgtatcc  | aggagtgtga  | 502620 |
| ggtgccttga | aatcttcgaa  | aatgaagtag | ttcaattcgg  | caccgatggt  | accttgcagt  | 502680 |
| ttcaggtgct | tgttgatggt  | ccagatagct | ttaccgttga  | aacggaactg  | gtctttcttc  | 502740 |
| gaattgttgg | agttcttgta  | aacatcccag | tatggattca  | cgttggtacgg | gtccataccg  | 502800 |
| ttccagttag | agtactctcc  | gttttcatcc | tgataggtct  | tcagccattc  | ctgattgtag  | 502860 |
| gtagtgcca  | gtgtcatcag  | gttctttccg | atattcgact  | tgctgtcgcc  | cagtgccgga  | 502920 |
| cggttcttta | cagcctcacg  | agtatagttg | gcactgaagt  | ctacgtcgac  | ttttccaaga  | 502980 |
| ctggtattgg | tacgcagatt  | gaaaatatca | cggctcatgt  | tcgactgagg  | gacaatatcc  | 503040 |
| ttgtttctca | tgtcgggtata | ggtgaagcgt | acaccggtat  | gaccgctgtt  | ggcgctgatg  | 503100 |
| atagccgtat | ttgtagcggg  | aagacctgta | cggaaaaagg  | cagatgtatt  | gtctggaata  | 503160 |
| atcaggtagg | ggcgttctac  | gccgtcgaag | tatttcagca  | tggtgtgtcc  | gtcggctttc  | 503220 |
| ggtccccagc | tctgttctgt  | attcgagatg | gcacgatgc   | tgatgtttcc  | gttgctaccc  | 503280 |
| ataccatata | cctgtgtgat  | gtcgttccat | ttagccagct  | gggtatcgaa  | agtcagggtga | 503340 |
| ccgttgattt | ctacgtgtaa  | cttttcttta | ccgtttgcct  | tcttggtcgt  | gatgaggatg  | 503400 |
| actccgtggc | tggcacggct  | accgtaaaga | gctgaagcgg  | caggaccttt  | cagtacggac  | 503460 |
| atgttttcaa | tatcatcggg  | gttgatgctg | gaaataccat  | caccaggtc   | gaagcctccg  | 503520 |
| gaagtccgg  | cgctaccgta  | gttggtattg | tcgaggggca  | ctccatcgat  | gacgtacaac  | 503580 |
| ggctggttgt | ttcctgtcat  | ttctgtacta | ccacgtaaga  | taactcgggt  | agatccggaa  | 503640 |
| ggacctccgg | ctgtctggct  | gacaaccagt | cccgttacac  | gacctgccat  | ggagttgata  | 503700 |
| acgttggttt | ccttggcctt  | ggtcagtgct | tcacctttta  | cttcgtctac  | gccgtatccc  | 503760 |
| agtgccttac | gttcacgctt  | gataccaat  | gctgttacga  | caacctcctt  | cagtacttta  | 503820 |
| ctgtcttccg | acatgacaat  | tttcaggggc | ttcttgctgg  | ctgctatttc  | tacggtttta  | 503880 |
| tatcctatat | agctgatgac  | aagagtggct | ccgggacgga  | cgttcaaagt  | aaatttaccg  | 503940 |
| tctaagtcgg | tgatggtacc  | attggtcgta | tttctttttt  | caataactga  | tgctccgatg  | 504000 |
| acaggacccg | ttgcatctga  | tacaacgcct | gttacggcag  | tggtttgttg  | ctcaacagcc  | 504060 |
| gaatgggtag | tttgggcaat  | cgcctgcatg | ggtggaactc  | cacctataaa  | acaaagttag  | 504120 |
| agtgttccgc | ataataatgt  | gtacttacaa | ttttttgttc  | tcatagttta  | tattattagg  | 504180 |
| gttaatacac | ttttatccag  | tcaatgtaca | tattgacttt  | ttctccgtct  | ttcaaagctg  | 504240 |
| taatgtcatc | tatgttggtg  | atgcctgtaa | aacttcctcc  | tacagcgagg  | ttgaacagga  | 504300 |

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|            |            |            |             |             |             |        |
|------------|------------|------------|-------------|-------------|-------------|--------|
| gatagaagtc | atgatggaaa | tattcgtaac | gtccgctgat  | tttgctgatg  | tcgaatgtgt  | 504360 |
| ggaattttac | gttgtcaata | cttacggtta | atgtattttc  | atcccatgcc  | agcaagtaag  | 504420 |
| aatggtagtt | gccgtcttgt | agactttgag | ctacattgtc  | ggcatgggtat | tcctgacggt  | 504480 |
| gtccgctttc | atagtccgta | ccgtaatgga | tggcgggtatt | caggtagggt  | tctgtcgtac  | 504540 |
| cggcagtgat | tccgttctgt | tggcccat   | ccatgatgtc  | gatttctcca  | cattgaggcc  | 504600 |
| atggcatgtc | attgtcacc  | atcatccaga | aagccggcca  | taatccattt  | gcggtttttg  | 504660 |
| gaagcttgat | gcttgcttct | atcttgccat | attgaaaact  | cttttttccc  | tgactgttta  | 504720 |
| ctcgtccgga | gtagatttta | tcacctttgc | gttcggctgt  | cagaatcagc  | acagatcttc  | 504780 |
| cttcatctgt | tccgactgat | acatgagctg | catcgtaa    | ctgtaattcc  | tggtttaccc  | 504840 |
| agccagcttc | atgactttct | ttggtccata | cgctttcatc  | gaatgtttca  | aattcgtctt  | 504900 |
| tgaataaaaa | gttctcctga | ggttcttttt | gaggttccag  | attgccttcg  | ttggatgagc  | 504960 |
| aggactgata | catggaacac | attaacaata | acaatagaat  | ttttgccttt  | ttcatattac  | 505020 |
| agatgattat | agggttaata | aacgtattct | gccggagagg  | ctattgccct  | tccttttggt  | 505080 |
| tgttgcaaaa | atgtgaattg | tatgtgaaaa | ggatggctag  | atagctgaca  | tataagggtt  | 505140 |
| gattgctgac | aattatggga | tatctgatag | atttatgcct  | gtcgggtgatt | gttttctgac  | 505200 |
| tataataagg | acggatttat | cttgttgaag | atgacgagca  | tataaaaaat  | gccggtaagt  | 505260 |
| tttcaggctt | accgacattg | atagggaata | aatctcaagg  | ttgattttat  | gcttggtatca | 505320 |
| atcagtcctg | atggtcctgt | tcgtatttgc | ttggctggat  | gccaaactgc  | tttttaaca   | 505380 |
| gcatactgaa | gtatttgacg | ttgacgaatc | ctgtatcggg  | cgcaacttct  | gttacatttt  | 505440 |
| taccttgctt | cagcagttcg | gcagctttct | gaaggcgtat  | gatgcggata  | aactcttgag  | 505500 |
| gagcttttcc | cgtcagtgat | ttcagtcggc | tgtaaaagag  | tgtacggctc  | atggccattt  | 505560 |
| cctgacacag | gctgttgatg | ttgaagtcag | cattgtctgat | gttctcgtatg | acaagctggg  | 505620 |
| ttgcatgtcg | tacaaatgca | tgatcgttct | ccgacaaaac  | aggctggggc  | tcttccgctt  | 505680 |
| gggcattgct | ttccgtctgt | gcgatatgct | gatcaggata  | ttcaagggtc  | ttggctggcg  | 505740 |
| ggtttcctac | ttctttaagt | acttgcctca | tgatataatc  | tcgctgcctg  | ttcctgttgt  | 505800 |
| cgatgagtc  | ctgaactttc | agttttagaa | tttctgtact  | gaacggtttt  | ggaatataat  | 505860 |
| catcggctcc | ttttttcaat | ccctctacca | ccgcatcgtg  | gttgggtctt  | gctgtaagga  | 505920 |
| gcacaaagg  | aatgccggct | gtttcgggat | tttctttcac  | cagtttacac  | agttcatctc  | 505980 |
| cttgatgcc  | gggcatcatg | acatccgata | aaatcaggct  | gggatactct  | ttcgacagat  | 506040 |
| attcgagggc | ctccttccc  | ttgggaacat | caatgacg    | gtagtcgtgt  | tcgaagggtt  | 506100 |
| tacgcagata | gtagcgaagt | tcttcgtgg  | cttctacgat  | cagcagggt   | ttgagtgcgt  | 506160 |
| ctgtccgctc | gtctgtttcg | cctccttcgt | ttacattaga  | agaatgagga  | atcatgttta  | 506220 |
| tatcatcgac | attcaattct | cgggatacga | ggggagtgtt  | gctggcagct  | tcaggctcgt  | 506280 |
| ggggtgcagc | ctcggccttt | tgtaaaggta | cataaaagac  | acttcctttg  | ttcaactctg  | 506340 |
| attcgtaggt | aattctccc  | tgtagcattt | tgacaatacg  | ctgcacttga  | agaagtccga  | 506400 |
| atccggttcc | tgcttcttgt | gatttccggg | cattgtcggc  | acggtataca  | ctattgaata  | 506460 |
| acagcttttg | gtctttggct | gggattccta | tgccgggtatc | ctttacctca  | atcgtaactt  | 506520 |
| tttgcttgac | acatgacagc | tttaagctga | cagtaccttg  | cggcagtgta  | tattttgcatg | 506580 |
| cgttgataa  | cagattgtcg | agtaacattt | ccattaaatg  | cagatcggcc  | agagcatata  | 506640 |
| tttcttatc  | gggcagcgac | aagttcagat | gtagttgttt  | tttgtcgcaa  | tacgactgga  | 506700 |
| agctggcaca | ctcttccgtc | agcaggtcac | tgatattgac  | tggtttcagg  | gcaatcggct  | 506760 |
| ttttatgtgc | gtctactttt | tcaaattcaa | gcaattgggt  | gataagagaa  | tacagcttac  | 506820 |
| gggtattgtt | ccgcgccatg | tcgagcaggt | aatgcgcctg  | ttgaggaagt  | ttttcttctt  | 506880 |
| tgctcaaatc | ctcaagcgg  | gccatgatca | gggtgaccgg  | tgttctgatg  | tcgtgtgccg  | 506940 |
| tatcgatgaa | gaactttatt | ttatcttcat | cgtatttttt  | ctgtatctgg  | ttgcttttgt  | 507000 |
| atcgtaggat | aaaatagaat | ataccaccaa | tgatacagat  | atagcatatc  | catgcaagcc  | 507060 |
| aggagtcca  | ccagggttct | gctatcttga | taggaaggct  | ttgttcggaa  | ataatctctc  | 507120 |
| cgttgctttt | tctcagactg | cgtaccttga | gtaaataact  | gccgggtgcg  | acattggtat  | 507180 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| atcgtagcga  | gccgttgggt  | gatacatgac  | tccatgattt | ctcatagccg  | tcgagaatat  | 507240 |
| actggtgaagc | tatatcgtagc | tggaaccgat  | agtttataga | ctcgaatgta  | acggtgaaag  | 507300 |
| agttatgctg  | atagtcgagt  | tttacatcgt  | tgtctaataa | catctggtag  | atatggggat  | 507360 |
| gtagctgttt  | ggactcctgt  | ggattgaggt  | attccacttt | caagtctgtg  | aaccgaagag  | 507420 |
| gggccttgta  | gtcgaccatg  | gttatggcat  | cgggagttat | aaaaacggct  | ccactggtac  | 507480 |
| tgccgtatgc  | aaaccgtccg  | tcggaaaggc  | ggatacaggc | tgatttggtg  | tatactttat  | 507540 |
| caatgtcgtg  | tatgtaattt  | agattcaata  | ccttaaagtc | tttgacaata  | gcaagccctt  | 507600 |
| tgccgggtact | tgcccagatg  | cagccttttg  | aatctcgttg | caggctgtat  | acgtcattcg  | 507660 |
| acaacatgcc  | ttcgtttggt  | gtgaatgtct  | tcagttcgtg | ggtgtgcatg  | ttatataggc  | 507720 |
| tgagtccacc  | gccttcggtt  | ccaagccata  | cggtagccgc | gttattgaag  | agcatggaaa  | 507780 |
| taatgtatgc  | actcgcat    | tgctcgctaa  | agtctttgct | ggttgcat    | cggtgaactt  | 507840 |
| ttccagtttt  | tttggtgatg  | atgcaaaatc  | cgtttacagt | agctactgcg  | atgtggtcgg  | 507900 |
| ggctgatgac  | ttcgatggaa  | tgaatccagt  | tgatatcatc | gaacgttttc  | tggtctcttc  | 507960 |
| ctgatttggc  | tatcatttgc  | agacctccct  | ccaatccacc | gatccataaa  | tccccgtcat  | 508020 |
| ggtcttctgt  | aaccgagaaa  | atataattgg  | ttgtcagttc | tccgtttccc  | agcgtaagat  | 508080 |
| gccggacaat  | ctctcccgc   | gaatcgagca  | aatacagtc  | gtcgccatag  | gtgccgaccc  | 508140 |
| agatagtgcc  | tttttcccct  | ttacagagt   | tgacgacaac | ggcagacttt  | aatttatggc  | 508200 |
| tccatgtatg  | agtagatgag  | gctttcagga  | tactgatacc | atcgtaggtg  | ccgaaccaga  | 508260 |
| tatctccatt  | gataatttcc  | tctatgtcat  | tgatattatt | atgtgccagt  | gactgaggat  | 508320 |
| tccctttttc  | atgtgtcagt  | atggttaccg  | ggtattgtaa | caaatggcg   | acagaaactc  | 508380 |
| ctccggtata  | acttccgac   | cagatatttc  | cctgatgac  | cttggtaacg  | gcataactc   | 508440 |
| cggtgccttg  | taagaatata  | tcgctgctgt  | cttccgtact | gataaataat  | tgtgctcttt  | 508500 |
| ctgtctgtcg  | gttcacggca  | tatacacctc  | cgccatcgat | tcctatcagt  | attcgctgac  | 508560 |
| tgtagatgga  | agtgatggca  | cgtatcgggt  | tgagaaaaat | gaagttttgt  | ttttccaatt  | 508620 |
| gatgcaacgc  | cgagggtttc  | aggtccataa  | tccacaatcc | actgttgaat  | gttccaatcc  | 508680 |
| agagttgctg  | gcgcgaagt   | tcatagtata  | atgtctgtat | atgtttgtcc  | ttcaccatt   | 508740 |
| gttgtagtg   | gaatggctgg  | gtacacgata  | cttgtagtat | tcctgtggac  | gtgccggcaa  | 508800 |
| agagggaatc  | gcctgagcag  | ataatatcgt  | ttatgtatgg | tcctgagatt  | actggtgaaa  | 508860 |
| ccttaccatt  | ggtatctttc  | ctgtaaagtc  | ctttgcttag | tccaatccat  | aatgtcccat  | 508920 |
| gagaatccat  | acatagtttg  | ttgaggatga  | tttctccgct | gatgcactct  | cctaagtata  | 508980 |
| gatcttggtc  | gaaactgtct  | gtttttgcaa  | cgtaccgata | tattcttccc  | gtatggctgt  | 509040 |
| aggcccataa  | tccatattgt  | tggtgtgata  | gcagttgtat | acgtcttcct  | gccatatcac  | 509100 |
| cataataaaa  | gtttccttga  | agggtatagt  | tctttacgct | ctgaccgttg  | tagcgatcta  | 509160 |
| ttccactctt  | gtagcaatc   | catattacac  | tatgtttgtc | ttctacgatg  | gaaaataccc  | 509220 |
| gttgactact  | aagtccttct  | gtatgtccta  | tttgtctgac | attgaacatg  | cctttaagta  | 509280 |
| atcccgcgatg | gagttcagga  | cttatgatga  | aggcaatgat | aatgactata  | tattttatca  | 509340 |
| gtagtttcat  | aagataaagt  | ttaacaaagg  | cgtaatcatt | gctgtaaaaa  | acataatacca | 509400 |
| gctttcttac  | agcgtataat  | atgaaatatg  | tctgttagac | caataaaaaat | gttggcacia  | 509460 |
| aagtaatcaa  | attagttcaa  | aaataccaaa  | taaagttaaa | caatgcgtat  | actatctatc  | 509520 |
| cctatttctg  | tcttccatta  | ttgcgttggt  | atgttcaaga | gccagtccta  | ttaaggactg  | 509580 |
| gagtaacggc  | atcagacttt  | ctcctcgctt  | acttagcttg | tattccactc  | tgggcggaac  | 509640 |
| ttccggatag  | actttccgat  | gtatcagtc   | gtcggcttcc | agtgaacgta  | acgtgacagt  | 509700 |
| aagcatgcgt  | tgtgaaactt  | ctccaatgct  | tttctgtata | tcattaaaaac | gcattggttcc | 509760 |
| gttactgtga  | agagtgcaca  | gcaccagcat  | tgcccatttg | ctgctgatac  | gactgatgat  | 509820 |
| atcgcgagata | gggcatacgt  | tgatatggtg  | aaagtgttgc | atatattaac  | agtttgtaaa  | 509880 |
| tagttgtttt  | tcaatattgc  | ttactttgat  | gtaaccgact | gacctttttg  | ttccttcttg  | 509940 |
| tttaaccctg  | ttttgtcgga  | tacatttgca  | ttacaaaagt | aataaagtta  | ctaataataa  | 510000 |
| ctattgttta  | atctttaaaa  | ggtaaaaatta | tggcaaaacg | tgtagctgta  | ttggccgtaa  | 510060 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| atccccgtaaa | cggaatggga  | ttgtttcagt  | atgttggaagg | tttttatgaa  | aataagattg  | 510120 |
| ggtatcgtgt  | ttatgcggtg  | gcagaaacaa  | ctgatattcg  | tacgaattca  | ggtatcgcac  | 510180 |
| ttcgcacaga  | tgatactgta  | gaacatttga  | aagggcgtgc  | cgatgagtag  | gatgcactgg  | 510240 |
| tcttttcttg  | tggagatgcg  | attcctgttt  | ttggagagca  | tgcttcagaa  | gctccttatg  | 510300 |
| ttgctatgat  | gcagggttatt | aaggaatttg  | cagaaaaagg  | taaactgatg  | gcaggacact  | 510360 |
| gtgcggctgc  | actgatgttt  | gaaatagccg  | gtgtgacaga  | aggcaaacga  | cttgcccttc  | 510420 |
| atccaatggt  | aaaatcggct  | ataagcaaag  | ggattgctac  | ggatgctgcg  | tatgaatttg  | 510480 |
| atggcaattt  | ctttacggca  | caatgcgaac  | ataccctgcc  | ttcgatgatg  | cctcaattga  | 510540 |
| ttgaagcact  | gaagaaataa  | atcgattagg  | gttgtatttt  | atcccacccg  | gcagcgttat  | 510600 |
| accatgcgat  | ggaagactga  | tagtatctgt  | cccacgtata  | actgatattt  | ctgccgggga  | 510660 |
| aatacatacc  | cataccgcag  | aaacgttccg  | gatctattct  | tagagtcatc  | aatggatatt  | 510720 |
| cttctccatc  | cagacaatct  | ttagcaataa  | cggctttgtc  | catgctgttc  | tgtacgtttg  | 510780 |
| caggaacgac  | acctccgttc  | agttgcgaaa  | tgaagtcaac  | tacatcgaac  | gaaaaatatt  | 510840 |
| tatatggcc   | ataaccgtat  | tgctgtactt  | gcgtatagtc  | taaggctctga | agttcagact  | 510900 |
| ggtggctgag  | gagttccgat  | tgtatggctt  | gagctacttc  | tcccattgcc  | gtacaatcta  | 510960 |
| ctgcagcata  | cgtaccccat  | gaattatttt  | ctttattaaa  | ttgtattgtt  | tcactacaga  | 511020 |
| tttttgaata  | atcaatcaca  | tctttatata  | aatcaataaa  | gaaacgatcg  | taaggaaaac  | 511080 |
| ctaaggcggg  | tgtttccatt  | gctgaagcaa  | cacaataacg  | cgttgcggtta | cgcagttcat  | 511140 |
| aaaaaacttc  | tgctgtgccc  | atcatacagg  | catcgaacag  | tgtaaattcc  | agattaccgc  | 511200 |
| tggggaaact  | ttgttccaac  | gttgttgcca  | gtctaggtat  | atcaatagta  | ttgttttcat  | 511260 |
| caccatcctg  | tccgaatgaa  | cgtgacagtg  | cattgagaaa  | ggggaaccag  | ccgctggcgt  | 511320 |
| gagagccaaa  | aattagtcca  | taagattctg  | ccggagcaat  | gtcctgcatc  | atacgcatat  | 511380 |
| tctctttcat  | aattattggga | tcggtggcaa  | tgccaagccg  | tgccctgatg  | tgttttgcct  | 511440 |
| gtgctattac  | attttctgta  | gttagtgagg  | aacctgttaa  | tacttcctga  | ccattttatct | 511500 |
| ttccgtatcc  | gtcagtctga  | aattccagaa  | tttcagctgt  | ttccagatat  | ttgttgcttg  | 511560 |
| aatatggttt  | ataatatacc  | acgagtgtac  | aggtatcttg  | tgcagtagaa  | agactttggt  | 511620 |
| acatccactg  | tacatttttc  | ataatgtaat  | tgctgaggtt  | attgttggca  | accaaataag  | 511680 |
| caagtatcac  | ccgtttggca  | cgtagcgact  | gatgatattc  | aggaatttca  | tcagagcaag  | 511740 |
| cacctagaat  | caggagtga   | acgatataata | gcaggacttt  | cttcatgctt  | aagattaata  | 511800 |
| caattcggcc  | ttcttaaatg  | taaattcagg  | atttacgtcg  | agaaccacga  | cgctttttatt | 511860 |
| tttctgggat  | ttctgtttca  | gtttgtttat  | ttctttttgc  | aggttctttt  | tcttcagggtt | 511920 |
| gtaataaaca  | aagcaagtcc  | gattttttaag | cttgttgttc  | gattccagat  | aatcttttcag | 511980 |
| ttgcatactg  | tattctgcac  | gtcctgccag  | tagtcctttt  | tcacgcagac  | atgcactatc  | 512040 |
| tacgtattgt  | atatcggtga  | aatacaccag  | tgagtcggaa  | aatgaagcag  | aaactcctgt  | 512100 |
| tatatagact  | ccatatttat  | gcttgtcttt  | cgggtgctttt | gccagtgcgg  | gaagaacgat  | 512160 |
| agatgcaacg  | agcaaaagac  | aaaataattt  | aaaatgtttc  | atgtgtctta  | attgtttttg  | 512220 |
| tcacaaaaat  | agacaattac  | gctaataata  | gaaaagggaa  | tagagaaaaat | taacaaagaa  | 512280 |
| aaacgcacgc  | gctagaaaaa  | acaaaagatg  | caatagtgtg  | gcatactgcc  | cactgttgca  | 512340 |
| tccttttttt  | tcggaaacga  | tccttatctt  | attaccctaa  | ataagatttg  | agcaacttac  | 512400 |
| tacgagaatt  | ttgtcttaat  | cgtctgatgg  | ctttttcttt  | aatctggcgt  | acgcgctcac  | 512460 |
| gagtgaagcc  | gaatttgtcg  | ccgatttctt  | ccaacgtcat  | ttcctgcgtg  | ttaataccga  | 512520 |
| aaaacatctg  | gataatatcc  | ttctctcttt  | cggttagcgt  | agaaagtgtc  | ctgtcgattt  | 512580 |
| ccctcgaaaag | tgattcatta  | accaaggaac  | gatccgccat  | aggggagtcg  | tcgttttaca  | 512640 |
| gaacatccag  | caaactgttg  | tcttcgcctt  | ctacgaaagg  | agcatctaca  | gagatgtggc  | 512700 |
| gtcctgaaac  | tttcagtgtg  | tccgaaattt  | tatctaccgg  | aatctccagt  | tcacgcgcaa  | 512760 |
| gttcttccgg  | agaggggcgt  | cgttcgtttt  | cctgttcaaa  | tttagagaat  | gccttactga  | 512820 |
| ttttgttcag  | tgaacctacc  | tgattcaatg  | gcaaacgtac  | gattcgagat  | tgttctgcca  | 512880 |
| aagcctgaag  | aatagactgg  | cggatccacc  | atacagcgta  | gctgataaat  | ttgaaaccac  | 512940 |

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|             |             |             |             |             |            |        |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| gagtttcac   | aaacttctct  | gctgccttga  | tcaagcccaa  | gtttccttcg  | ttgatcaagt | 513000 |
| ccggaaggct  | caagccctga  | ttttgggtact | gtttggctac  | tgatactacg  | aatcgaggt  | 513060 |
| tagcacgtgt  | tagtttctct  | aaagcagcac  | ggctctccctt | acgaatacgc  | tgagcgaggt | 513120 |
| ctacttcttc  | ttcgacggta  | atcaggtcct  | cacggccgat  | ttcctgcaaa  | tacttgtcaa | 513180 |
| gagaagcgct  | ctctcgggta  | gtgatacttt  | tggtaatctt  | taattgtctc  | attattatac | 513240 |
| accgaatttg  | gctacaaaaa  | tacgaaaaaa  | ctttcgtata  | tacgactttc  | tattaagaaa | 513300 |
| gattaaacat  | aaaatagggc  | tttctccttt  | caactgataa  | atgaaatatg  | attaacgggc | 513360 |
| atttaactga  | ctgagatttg  | cttcaacttg  | tttttatatg  | aaagaaaacc  | aatgaaaaat | 513420 |
| gtttttgtta  | atctttgaaa  | tccagactga  | gttgtatcca  | tctagtaatg  | tttttcggat | 513480 |
| ctttttcaga  | agattcctct  | ttaggatttg  | aaattgaaag  | tcccaaaagg  | cgtatagggc | 513540 |
| gatgcatata  | atcgacctct  | gttagcaaat  | gtttggcaag  | aggcagaatt  | tctttcagtt | 513600 |
| gatacagggt  | gcggtttacg  | cttatactgc  | gtgtaatttg  | tgtgaaatcg  | tagaatttta | 513660 |
| ctttcagggt  | aagtgtactg  | ccgcggaaat  | tctttgcttt  | taatcgttct  | gccaatctgc | 513720 |
| aggctacgtg  | ataaagctcg  | ataatcaccg  | acgacttcag  | tgtgatgtct  | ttttccaatg | 513780 |
| tgtgttcgca  | tccgatggac  | ttacgtatcc  | gtactgcttc  | tacggggcgt  | aggtctattc | 513840 |
| ctcgtgcaaa  | atcataatat  | atttttccag  | cctttccgaa  | ttgccttgct  | agcatgtcca | 513900 |
| aggaacagtt  | gcgtagtgtt  | gtcccgttat  | agatacctaa  | tgtgtgcatc  | ttctgggctg | 513960 |
| tgaccggccc  | gatgccccag  | aaggcctcta  | tccggcagtc  | ggcaataaat  | tcctcggcct | 514020 |
| ggtcgggatg  | tatggtacat  | aatccgtcgg  | gtttgcgcag  | gtcggatgct  | attttgcca  | 514080 |
| gaaacttggt  | gtatgatact  | ccggctgacg  | cgatcagatg  | tagctcctcc  | cggatacgtc | 514140 |
| gcttgatttc  | gcgtgcaatg  | tccacagcca  | gttcaattcc  | ttttttgttt  | tccgtgacat | 514200 |
| cgaggaaggc  | ttcgtccagt  | gatatcgggt  | cgataatgtc  | ggtgtattca  | tgaaagatgt | 514260 |
| cggtggatttg | cgctgatacc  | tgcttgata   | cctccattct  | acctggtaca  | aaaatcagtt | 514320 |
| gcgggcagag  | tttctgtgcc  | ttgacggacg  | acatggcaga  | gcgtactccg  | tatttgctg  | 514380 |
| cttcgtagct  | tgccgtcgcc  | actacaccac  | gcttttcggc  | atggcctaca  | gctatgggct | 514440 |
| ttcctttcag  | ctcgggattg  | tcgcgctgtt  | cgatagaggc  | atagaaagcg  | tccatgtcta | 514500 |
| tatgtatgat  | tttgcggttg  | gtactcatgt  | cgatataacg  | ctctttcatg  | caaattta   | 514560 |
| gaaagttttt  | tgggctatca  | taaaatcatt  | tgtacttttg  | tgttgcatg   | aataaactag | 514620 |
| cgagaacagt  | cattatgatg  | aaagatgaaa  | ttaaaaaggc  | atgtgaagtc  | atgcagaaag | 514680 |
| gtggcggttat | actttatccc  | accgatacag  | tgtggggaat  | aggctgcgat  | gcaaccaacg | 514740 |
| aagaagctgt  | aaaacgagtg  | tacgagatta  | agcgaagagc  | cgacagcaag  | gcgatgctgg | 514800 |
| tgctgggtga  | cagtccgggtg | aaagtggact  | tttatgttcg  | caatgtacct  | cctgtagctt | 514860 |
| ggaatctgat  | agaaatgaca  | accaaaccct  | ttactattat  | ttacgatggc  | gcacgcaatc | 514920 |
| tggtccttaa  | tctactggct  | gaggatggta  | gtgttggcat  | acgtgtgacg  | agtgaggcat | 514980 |
| tttctaaaga  | actttgtttc  | cgcttcctga  | aggcgattgt  | ttccacgtcg  | gccaatatca | 515040 |
| gcgggcagcc  | ggctccggca  | gtattcagtg  | aaatcagtg   | agaaatcaag  | aatgcggtgg | 515100 |
| attatgtgggt | tgattttcgt  | cgtgaggaaa  | caggacatcc  | gaaaccttcc  | agtattatca | 515160 |
| agctgggtga  | agggggagtc  | gtgaaagtca  | taagagaata  | aaaaatacgt  | gtctgatgaa | 515220 |
| aacatcgcaa  | gataaaatag  | atttgcttca  | gcgtttcatc  | cagtggaggg  | aaaagcatat | 515280 |
| tacaaataaa  | cagtttggtc  | tgatcttgag  | tttcctcgta  | ggtattttta  | ctgcattggc | 515340 |
| agcttatgtg  | ctgaagtttc  | tggtagaata  | tataaaggag  | ttcttgacgg  | agaatttcga | 515400 |
| cccgatgggt  | gccaactggc  | tgtatctgggt | ttatccggta  | gccgggtatct | ttataaccag | 515460 |
| cttggttatc  | cgtaaggtag  | tgcgtgacga  | tatcagtc    | ggtgtaacca  | aaattctgta | 515520 |
| tgccatttca  | cgtaaacaga  | gccgtatcaa  | gcggcataat  | atctgggtcgt | ctgtctgcgc | 515580 |
| ctctgccatt  | acgatcggat  | gtgggtgggtc | tgtcgggtgcc | gaagcaccta  | tcgtattgac | 515640 |
| ggggctctgct | atcggatcaa  | atctgggaag  | tattttccgt  | atggatcaca  | agaccttgat | 515700 |
| gctgctgggtg | ggatgtgggtg | cggccgggtgc | tgtttccggt  | attttcaagg  | ctcctattgc | 515760 |
| cggctcgggtc | tttacattgg  | aagtactgat  | gattgacctg  | acaatggctt  | cactgcttcc | 515820 |

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| actgggtata  | ttctgcgggc  | tgggtggcctg | gtattttact  | cgttccatga  | actggataga  | 516000 |
| agatatcttc  | cgccgggtatt | ctaataccgta | tgtaaaattt  | gtcatcggcg  | gaataatgtt  | 516060 |
| gagtattctg  | attttcctct  | ttcctccgtt  | gtatggtgaa  | ggttatgata  | cgatcagtct  | 516120 |
| gttgctgaat  | ggagaaactg  | ctgccgattg  | gaatacggtc  | atgaacaatt  | cattctttta  | 516180 |
| cggtcattgcc | aatttgctgg  | tagtatatct  | ggtacttatt  | atcctcttta  | aggtttttgc  | 516240 |
| atcgagtga   | acaaacgggtg | gaggtgggtg  | tgggtggtatt | tttgaccaa   | gtctgttctt  | 516300 |
| gggatgtatt  | gccggtttcg  | ttttctctta  | tgtatgtaac  | gagtttcata  | ttggcaacac  | 516360 |
| ctatatctct  | gaaaagaact  | ttgactgat   | gggaatggct  | ggtctgatgt  | cgggagtcatt | 516420 |
| gcattgcccc  | ttgacaggta  | tcttcctgat  | agcggaaactg | acgggaggggt | acgacctctt  | 516480 |
| tttgccattg  | atgattgttt  | ctgtatgcgc  | atatcttacg  | attatcgtat  | tcgaacctca  | 516540 |
| cagtatttac  | tccatgcgtc  | tggccaagaa  | aggagaatta  | attactcacc  | acaaggataa  | 516600 |
| ggctgtattg  | accttgatga  | acatggaaaag | cattgtggaa  | acagacttct  | tgaaggttcg  | 516660 |
| tcctgatatg  | gatctgggag  | aaatggtaaa  | gcgtatttca  | cagtccagtc  | gtaacctttt  | 516720 |
| tccggtagtg  | gatgcaaattg | acaaactaat  | aggattgtgc  | gtgttggtatg | atattcgtaa  | 516780 |
| catcatcttc  | cgacaggagt  | tgtatcaccg  | gttccgggta  | gaaagtttca  | tgaaccttcc  | 516840 |
| taccgctcca  | atcatcaata  | ccgattcaat  | ggaagatgta  | atgaagaaat  | tcgataagac  | 516900 |
| tggagcctgg  | aacttgccctg | tcgtcgatga  | agataataaa  | tacattggct  | ttgtgtctaa  | 516960 |
| atcgaagatg  | ctgaataacct | atcgtcaggt  | tctggtagat  | atcttcggctg | aataaaaagc  | 517020 |
| aaaaaaatat  | ggataagaaa  | gatttaagaa  | tcgtatata   | gggtactccc  | gagtttgccg  | 517080 |
| tagaaaagtct | gaaaagactg  | gtggagggag  | gatataatgt  | agttggcgta  | attacgatgc  | 517140 |
| ctgataagcc  | gatggggcgt  | catggcagtg  | tattgcagcc  | gagtcaggta  | aagcagtatg  | 517200 |
| ccgtatcgca  | gggattgaaa  | gtgcttcagc  | cggaaaaact  | gaaaaatgaa  | gattttgtag  | 517260 |
| cagagcttcg  | ttcggttgcg  | gccgatcttc  | agattgtgggt | agcattccgt  | atgttaccgg  | 517320 |
| aaatagtatg  | gaatatgcct  | cgtctgggta  | cgtttaattct | gcattgcttct | ttattgcctc  | 517380 |
| aatatcgtgg  | agccgctcca  | atcaactggg  | cagtgattaa  | tggagatacg  | gaaaccggta  | 517440 |
| tcacaacctt  | tttctgaag   | catgaaatag  | atacgggtga  | gattattgat  | caggtagctg  | 517500 |
| tcccgtattgc | agatactgat  | aatgtagaga  | tggtttacga  | tcgtttaatg  | catctaggag  | 517560 |
| gtgatctgggt | cctgaagacg  | gttgatgcca  | ttctggaagg  | aaatgtgaaa  | acgactccac  | 517620 |
| aggaagagct  | ggcaaagggtg | gaagagcttc  | gaccggctcc  | gaaaaatattt | aaggaaacat  | 517680 |
| gtcgtataga  | ctggacgaaa  | ggagtgaaac  | gggtatatga  | ttttgtgcgt  | ggtctttctc  | 517740 |
| cttatcctgc  | tgcgtggaca  | gaattgtgtc  | aggacaacag  | tgctcctgta  | atgctgaaaa  | 517800 |
| tctatgaaac  | agagaaacag  | ttctgtgagc  | attcattgag  | tccgggaagt  | atcgttaccg  | 517860 |
| acggaaagac  | ttattttaag  | atagcatcta  | ccgatggata  | tgttaatat   | ctttctttgc  | 517920 |
| aactggcagg  | caagaaacgt  | atgaatgtac  | aagatttctt  | gcgtggctat  | cggcatgtgg  | 517980 |
| aagggtgcgta | tgtgaagtaa  | ttatagaaaa  | tgccattcag  | aacagtccgg  | aagagaacga  | 518040 |
| aaactgttac  | tgaatggcat  | aagagatata  | aacttagaaa  | caacaagatg  | ctataaaaacg | 518100 |
| tgagggattt  | tcttcagttt  | gcgttccttg  | cgaattagtc  | tttacgatcc  | attcggcacg  | 518160 |
| cttgtttgct  | ccactattat  | aaacgatttt  | aaatccctta  | cattcggact  | ccttgtagtc  | 518220 |
| cggaaacttt  | tcaagtgtat  | aggaaacaat  | tcccaaagc   | cgttcggtat  | acgtgtcacc  | 518280 |
| ttcgttggtg  | tgccgaaatt  | ctacttgtaa  | cagaccattt  | tcattctaata | gggtgtctgc  | 518340 |
| attcaataca  | aggctgatcc  | gatggctgat  | gttagtgctt  | ccgtaatat   | catactgaat  | 518400 |
| attcagatgc  | ttctggctga  | tggatgaggc  | ggtaatttgg  | attggatcat  | tgccatatat  | 518460 |
| atcttctgtt  | cctgcttgct  | gcaaactcgtt | agctttttta  | gtaagtactt  | tatttactcg  | 518520 |
| aatcagttcg  | acagaagtgc  | tgtttgacgt  | tttctcggct  | gtttctccag  | cgtactggaa  | 518580 |
| tacggccata  | attctttgac  | cggtagaatc  | tgtctgggta  | gaggtaatga  | atcccggatt  | 518640 |
| aacgggaacc  | agcggggcgt  | atgaatccga  | ttctattata  | atatcttttc  | cgtcagcatt  | 518700 |



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| tacagttccc  | aaagtaggat  | atactgtctc  | tggttcatta | tcattccagac | acgacgagaa  | 518760 |
| tgtgacacag  | caaaataaga  | taccaataag  | atgggtgaaa | tatttttttc  | gttgcataat  | 518820 |
| tggctattct  | aatttttaatt | cgtttataaaa | atgtataaaa | ttgctcttta  | ctgcatttgt  | 518880 |
| aattgttaaa  | aacactttaa  | gggtgaaaatt | attctccgca | atgtgcagta  | tttttgccat  | 518940 |
| cattacattt  | catagtaaaa  | tgcagatgaa  | agctgatata | tcggaggaag  | aattgtcgtt  | 519000 |
| gcagtgtcaa  | cggggagata  | tgcaggcgcg  | ccgcacccta | tatgaacgtt  | atgggtggggg | 519060 |
| gctgatggcg  | atatgtcttc  | gttatattgg  | tgaccgtgaa | acggcagaag  | atgtgttgca  | 519120 |
| cgatggattt  | cttcgtattt  | ttcagtcctat | taagcaattc | tcctatcagg  | gagaaggctc  | 519180 |
| tctaaaggca  | tggctttcgc  | gagtgatggg  | gaatgaggca | ttgggatatt  | taagaaaaaa  | 519240 |
| gaatgtacag  | ttgcaacagg  | aggtcctgat  | gacagagata | ccggatgttc  | ctgacacgga  | 519300 |
| tgacagcgat  | ttgaatgata  | ttccccgctc  | ggttttgatg | aaattcattt  | tcgaactacc  | 519360 |
| tgacggttat  | cgtacagtat  | tcaatttgta  | tgtattcgaa | gaaaaaagtc  | acaaagagat  | 519420 |
| tgccctatta  | ctcggaaata  | cagaacatac  | ttcatcttcg | caattttatc  | gtgccaagag  | 519480 |
| tttattgata  | aagaagatta  | atgaatatag  | aaaaagggaa | ctaagatgaa  | agagaatgat  | 519540 |
| aaatgggtag  | aaaaccttcg  | aaataagctg  | gaggattatt | cggaaacctc  | tcccgggcaa  | 519600 |
| ttgtggggga  | agctggaaga  | agaattgtct  | gcgccacgcg | tcattccgat  | gtggaggaca  | 519660 |
| cgacgatttg  | ttgctgctgc  | cgctgctgta  | gcagttgtag | ctgtctcgtc  | gctgatgttc  | 519720 |
| tggtttgtaa  | attctccgac  | ggcagattat  | gttcgcgatc | agcaaccttt  | ggccgaagga  | 519780 |
| ttggaacagc  | agcatgtgtc  | tacggatata  | cttccgaatc | tggctgagga  | gaaaaatcct  | 519840 |
| tctgtaacct  | ctcgaccgat  | attggcagtt  | gtgactcctg | tcgcagaaaa  | agtctgtcag  | 519900 |
| ccagctgagg  | tgcaaagatg  | gacgaatgat  | tttgaaaaga | cagtgcctga  | gaatgaacgt  | 519960 |
| gaaagtactg  | gggaagagaa  | taagaaagag  | gaaaatgtgc | agtcggccgc  | gacgaaagaa  | 520020 |
| gatatggccg  | acaaggagcg  | tgcttaccgt  | acgttgaaag | cagaccgtcg  | tcagttacag  | 520080 |
| cagaatcaag  | aaatgctgat  | ggccgtgaaa  | acagaaaaag | gccgtaaatg  | gtcagtcgga  | 520140 |
| atctctgccg  | ggaatacccc  | ttatgcttca  | tcccgttcgt | ttgaaggcat  | gagtcgtctg  | 520200 |
| aatagccgtt  | cgctttacgc  | tagcccaatc  | aatatggcag | cagtgtcgga  | aaatgataat  | 520260 |
| cagacagctt  | atagccaggt  | attgtttaat  | aatcgtgatc | gtagtactac  | gaccaatgta  | 520320 |
| catcataaaa  | tgccagttac  | ggttgagct   | tcggtaaaat | ggcatattac  | cgacggatgg  | 520380 |
| gctgtagagt  | cgggcttata  | ttatacagtg  | ctttcatctg | atttgcatc   | tggttccaat  | 520440 |
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| tgtgtttctg  | gtggagtaga  | tgtggtttat  | gtaaacggta | cttcaaactg  | taacatggaa  | 520620 |
| cataattcgt  | tggatgtaga  | tcctttgcag  | tggctgtgat | ctgccgctgc  | gggtgttcag  | 520680 |
| gtgaatttta  | caaagaacat  | cgggctatat  | gccgaaccgg | gtattgccta  | ttattttgac  | 520740 |
| gatggcagtg  | aggtggaaac  | aatccgaaa   | gagcatccct | ttaattttta  | tttgcagggt  | 520800 |
| ggattgcgct  | tcagtatcaa  | atgaaaatac  | tcgtttttat | ctttatcata  | gttggaattg  | 520860 |
| tataaaaaatg | cttatctttg  | cttatcagaa  | caatgcattt | actaagttat  | gaagcatgaa  | 520920 |
| ttgaaaatat  | ctccatcgct  | tttgtctgcc  | aattttggaa | acttgaaaga  | cgatattgag  | 520980 |
| cgggtaaatc  | atagcgaagc  | cgactgggtg  | catatagata | tcattggacg  | ggtgttcgta  | 521040 |
| ccgaatatct  | cttttggtat  | tccggttttg  | aaatatgtag | ccgaattgag  | tgaaaagcca  | 521100 |
| cttgatgtac  | atctgatgat  | tgtacagcca  | gaaaaattta | ttcgtgaggt  | caaagaactg  | 521160 |
| gatacgatga  | tgatgaatgt  | acattatgaa  | gcatgtaccc | acttacaccg  | tgtcgtgcag  | 521220 |
| cagataaaaag | acgctggcat  | gcaggcggga  | gtgacactga | atccggcaac  | accggtatcg  | 521280 |
| atgctcgccg  | atattatcgg  | tgatgtggat  | atggttttgc | tgatgagtg   | aaatcctggc  | 521340 |
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| ggtgcggagc  | tggtaaggc   | cggtgccgat  | gtattgggtg | cgggcaatgc  | tgtattttaa  | 521520 |
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| tttatctcat  | tgttggcagg | cgggtgaggga | gtatctgcct  | gtgcttctgg  | tcttatttgt  | 521700 |
| tatttccggt  | cttttctgcc | tgtttttcta  | tcgtacaagt  | acttattccc  | gccgttttgc  | 521760 |
| ttttggctta  | tctgcttcgt | gcagttttat  | gcttttagga  | ggaatcttat  | atatacctggc | 521820 |
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| agatacgctt  | tcgcatgagt | ggaagcaggt  | aaaccggaat  | attatgcttt  | actggatacc  | 522000 |
| cgattccgct  | caggtccttc | aatgtgggtga | ccgtatttgt  | ttttgctctc  | aggtgcggaa  | 522060 |
| gcctgtgtcg  | gatgtggatt | tttccggttt  | tgattacgga  | cgatatttgg  | aaatacaggg  | 522120 |
| cattgggtgga | actgctgtcg | catttgccgg  | acgatggcac  | cggctttcgc  | agtgtggtga  | 522180 |
| aacgacatgg  | gctcagcatg | ctttgatgtt  | tcgggaacaa  | attgttgcca  | cttatcgttc  | 522240 |
| ctgggggctg  | aaaggagata | ttcttgccgt  | tgcacgcgct  | cttacgggtg  | gggataaggc  | 522300 |
| cgaactgact  | cgcgaattga | aagctactta  | cagcgcagcc  | ggagccagtc  | atgtgttggc  | 522360 |
| tctttccgga  | cttcataatc | gtattttgac  | gatgatttta  | tcctggttgt  | tataatcctt  | 522420 |
| gcgccgtatt  | cgaggtggaa | aatggatgat  | aggtgtttgc  | cttggtttct  | ttctttgggg  | 522480 |
| atttgcattt  | ctttcaggcc | tgagtgcctc  | ggctgtgaga  | gcggtgacca  | tgtttacggt  | 522540 |
| ttatacactg  | gcttcagttg | tttcagaaga  | acgtttttct  | gggttttccg  | cacttttact  | 522600 |
| ggcagccctt  | ctgatgttgg | tttaccagcc  | gatgtatttg  | tttgatatca  | gttttcagct  | 522660 |
| ttcctttggt  | gctgtttttt | ccattctttt  | gttttatcct  | ttattcagtg  | gcctatgtca  | 522720 |
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| ggctaacctg  | gttgttgctc | cgctttctat  | ttgtattttg  | gctattactt  | tactggcatt  | 522900 |
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| cgtacggtta  | ttgaacggga | gcatggcaca  | gatacagcat  | tggctggggag | cccagatttc  | 523020 |
| atctgtttat  | ctttctgcct | ggcaagcaat  | tctgctggcg  | gtcttgttgt  | tggcttttgt  | 523080 |
| gcaatattgt  | gtcagccgtc | gtgcccggtga | acttattgtt  | tctctgatat  | gtttgaatgt  | 523140 |
| actgcttgtc  | agctttgtaa | tgacttctat  | gaaaaaagcg  | gacgattatt  | tataatctggc | 523200 |
| acgagccggg  | gtatatacta | agcacgaccg  | gcaggtgaat  | gagttatttt  | cttcctccca  | 523260 |
| tattttacaag | gtggagcatc | tttgtgtggc  | tcttttggac  | aatggcactt  | ggaaaaaccg  | 523320 |
| gcagacagcg  | tatccgttat | ctgtcgatta  | tgtatacatc  | tgccgtggat  | tcaaaggctc  | 523380 |
| cctgaaggat  | gtcatcccat | tatttcatat  | cggctcgggtg | gtgctcgatg  | catctttaag  | 523440 |
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| tatttccggag | aaaggttctt | atgctattct  | tctgtagatt  | aagaattaat  | ttgtaatttt  | 523560 |
| gcctctcaaa  | tcaattcgaa | aattttttat  | gttgacgaaa  | gttataactt  | aagccaatat  | 523620 |
| cgataagggt  | gccaaatatt | ttgaacgcgc  | cgacaagata  | gtaatcgtaa  | ctcatgtttc  | 523680 |
| tcccgatggc  | gatgcgttgg | gctcatcgct  | gggacttttt  | catttttttg  | aaacacagga  | 523740 |
| aaaaaatgtg  | catgtgattg | ttcctaattg  | ttttcctgat  | tttcttcgct  | ggatgcccgg  | 523800 |
| agcgaaagat  | atcattcggt | acgataagta  | tgcagaatft  | gccgaccaac  | tgatagctga  | 523860 |
| ggctgatgtg  | atctgctgcc | tcgattttta  | tgctttgtcg  | cgtatagacg  | aagtcgctaa  | 523920 |
| accggttgcg  | gcagctcccg | gacggaaagt  | cttgattgac  | catcatttta  | atccggaaga  | 523980 |
| tttttgtcgg  | gttaccattt | ctcatcctga  | aatatcgctc  | acttccgaat  | tgatattccg  | 524040 |
| cctgatttgc  | cgtatgggaa | atftttgaaga | tattacgcgt  | gaaggagctg  | aatgtatttta | 524100 |
| taccggcatg  | atgaccgata | ccggaggatt  | tacttacaat  | tcgaataacc  | gtgaaatcta  | 524160 |
| tttcatcatc  | agtgaactgt | tgtcgaaagg  | cattgataaa  | gacgaaatct  | atcgcaagggt | 524220 |
| tttcaatacc  | tattccgaag | accgtttgcg  | tttgatggga  | tataatcctgt | acgacaagat  | 524280 |
| gcagggtgctt | ccgcagttcc | gttcgtcgct  | gatctggctg  | actaagggaag | aacaaagtaa  | 524340 |
| attccattgt  | gtaaaaggag | atacagaagg  | attcgtcaat  | attcctttgc  | agatgaaggg  | 524400 |
| gatatgtttt  | tcggcctttt | tgcgtgaaga  | tacggaaaaa  | aatatgatta  | aggttttact  | 524460 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| tcgttcggtg  | ggtacgtttc | cttgcaacaa  | agtggcttcg | gagttcttca  | atggtggagg  | 524520 |
| tcatctgaat  | gcttcgggag | gtgagtttta  | cggaacaatg | gaggaagcta  | ttaccttatt  | 524580 |
| caagcaggct  | ttggtaaaat | acgaaagttt  | gttgcttagt | gagactggga  | aaaattaaat  | 524640 |
| aacctgaata  | agcctgttgg | aactgccggt  | tcggacaggc | ttttaatgta  | atgaaaaaca  | 524700 |
| tgaaaaaact  | gaatgtatta | attttaggtg  | tgagcctttt | gttgggcgca  | tgtgctgtaa  | 524760 |
| agccgacttc  | tgaagtttat | acttcggcaa  | gaggtacgca | gtgggagtgg  | aataaaggaa  | 524820 |
| caattgtggt  | tcattcacca | gaacgtcctg  | ccggacaaaa | aagtgtattg  | gggctgaccg  | 524880 |
| ttccgaaaat  | ggaagtcgtt | cgtgttggtt  | tcgtaggact | gggatgaga   | ggcctggag   | 524940 |
| ccgtagagcg  | ctttacacac | ataccgggta  | cccagattgt | agctctttgc  | gactatgagc  | 525000 |
| aggaacgtgc  | tgaagcatgc | cagaagtatt  | taaaggaagc | ctctctgcct  | aaagctgccg  | 525060 |
| tatattcggg  | tgaaaaagga | tatgaggagc  | tctgtaaacg | ggaagatatt  | gatcttgtat  | 525120 |
| atatcgagc   | cgactggctg | catcattttc  | ctgtagcgaa | atgtgccttg  | gaacatggga  | 525180 |
| aaaatgtagc  | ggtagagggt | ccttcgccca  | tgaatctgga | agaatgttgg  | gcgttgatca  | 525240 |
| atttgagtga  | aacgactcgt | aagcattgct  | ttattctgga | aaactgctgt  | tatgactggt  | 525300 |
| tcgaaatgaa  | taccttgaat | atggcgagc   | aggggtgtgt | tggtagagatt | attcgtgcac  | 525360 |
| agggagcata  | tattcacaat | ttggaagcct  | tttgggatta | ttactggaaa  | aagggtaaag  | 525420 |
| acgataaatt  | aggatggcgc | ctggattata  | acatgcgtca | tcggggagat  | gtatatgcaa  | 525480 |
| cgcattggatt | aggtcctgtg | gcacaggcac  | tcaatattca | tcgtggcgac  | cgcattgacta | 525540 |
| cactggtcgc  | tatggatacc | aagtcggctg  | ttggcaagtc | gctggttgaa  | gagcgtacag  | 525600 |
| attcagctcg  | caatcatttc | cgtaacggcg  | accatactac | aacgttgatt  | cgtacagcga  | 525660 |
| atggaaaagt  | aatcgaaata | cagcacgatg  | tcagtactcc | tcagccttat  | aaccgtttgt  | 525720 |
| atcagcttac  | gggaacgaaa | ggctttgccca | ataaatatcc | gatagaaggc  | tatgcgctgg  | 525780 |
| atgccaaaaca | gttgaccgcg | tcgggagttc  | agcctaaagt | ggatgatttg  | agctcacatg  | 525840 |
| gattcttacc  | agaaaaagag | atggctgcat  | tggctgaaaa | gtatcagcat  | cccatcttga  | 525900 |
| agaaatatgg  | tgaatggctt | aaagaagtcg  | gcggacatgg | cggataggac  | tttattatgg  | 525960 |
| atagtcgttt  | ggtatactgc | ttgcagaatg  | gcctgccgct | ggatatggat  | gtgtacgac   | 526020 |
| tggcagaatg  | gtgttgcttc | gccgaactgg  | gagaactttc | catggataat  | ggctgtgcac  | 526080 |
| ctgtagcctt  | tcccgaattt | acccgtggag  | agtggaaatg | ggtaaaagg   | tataagcatg  | 526140 |
| cgtttgctgc  | tcctgaggat | gaggccgaag  | cagcgagaaa | agctgcggaa  | gctactgtcc  | 526200 |
| gactaaaagc  | acaaggtgcc | aaggaatggg  | ccgagagtaa | ataaaagatt  | aacgaatgag  | 526260 |
| ccgaagataa  | aggctttgaa | accgaaaata  | gaaaagtaat | gaatgcttta  | aacaatgtga  | 526320 |
| ttgctcattt  | tccggaagtg | agagaaatcg  | ttcaaatcaa | acctttgact  | tccggattga  | 526380 |
| tcaaccagac  | ttatctgggt | cagaccaaag  | atatatcggc | atcgatttat  | atcttacagt  | 526440 |
| gcataacca   | tcaaactctt | acagatgtag  | atatgcttca | gcacaatata  | gaagtagtta  | 526500 |
| cctcacatat  | ccggcagaaa | ctggaagaag  | ctcacgagga | cgatattgac  | cgtaagggtgc | 526560 |
| tccgttttgt  | taaagcggat | aacggcaaga  | catattattt | tgatggggaa  | aaatattggc  | 526620 |
| gtatgtcagt  | gtttattccc | ggttcacaga  | cgctcgatgt | ggttactccg  | gaatcgtcat  | 526680 |
| accttgctcg  | actgaagttt | ggtgagtttg  | aagctatgct | ggcagatatg  | accgaatcgt  | 526740 |
| tgggagaaac  | cattcccgcg | ttccataaca  | tggagttccg | tttgcagcag  | ttacgcgagg  | 526800 |
| cagtacagca  | agatgcggcc | ggacgactgg  | aaaaggatca | gggactgggtg | gcagatatag  | 526860 |
| aaaaagatgc  | cgaagaaatg | tgctgtgcgg  | aacgtttgta | tcgggagggt  | aagttgccga  | 526920 |
| aacgcatttg  | ccattgcatg | acgaaggtaa  | gcaacatgct | gttcgatgag  | cagggaaaag  | 526980 |
| tactttgcgt  | tatcgatctg | gatacggtaa  | tgccgagttt | tgtcttttcc  | gattttggcg  | 527040 |
| atttccttcg  | ttcggcagcc | aatacggctc  | cagaagacga | accggattta  | aacaaaatac  | 527100 |
| atttcagatt  | cgatattttt | caggcttttg  | caaaggata  | tattgaatca  | gccagaagtt  | 527160 |
| ttctgacacc  | agttgaaata | gagttgttac  | cttatgccgt | aaccttggtc  | ccgtacatgc  | 527220 |
| aggcggtagc  | ttttctggcc | gattatatca  | acggcgatac | ctattatcag  | ataaaaatac  | 527280 |
| ccgaacataa  | ttatgtacgt | acattggcac  | aatatacatt | gtatcaggaa  | acaagacgtg  | 527340 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ttatgccaga  | gatgaaggca  | tatatcgcat  | ctttgatgaa  | gtaatgtttc  | ttgtcttgat  | 527400 |
| aaggagaata  | taagcttgtg  | ttaagggctg  | ttaatgcttt  | gactcgtttt  | gaaatatatg  | 527460 |
| aagcattttg  | ctatttttgc  | ggcgtaaata  | atatgaaaat  | gaaaaagata  | aaactgtttt  | 527520 |
| ttgcggtagt  | ttgtgtagt   | gcttgctgtt  | tgcagagttg  | taataatggc  | aagacttatg  | 527580 |
| ctgaaatgaa  | agaggacgaa  | gccgatgcga  | ttaatgcatg  | gattctgaat  | catgattatc  | 527640 |
| aggttataag  | cgagagagat  | ttttacaatc  | aggatacaat  | cacaaatgag  | aaccagtttg  | 527700 |
| tgctgttcga  | ggagagtggg  | gtttacatga  | atatcgtaca  | gccgggagaa  | ggtacttcca  | 527760 |
| aattatcaga  | cgggtattac  | gaaattgctt  | ccggttatat  | tgaagtagca  | atacaaaacc  | 527820 |
| gtgatgagat  | gtttgcagca  | ggtgatactc  | tttcgggaaa  | catgaaatta  | ctttcttatac | 527880 |
| caatgtatac  | aggttaattcc | agttggagtt  | tacctcagta  | tatgctttat  | ccggaagtat  | 527940 |
| ataaactgac  | gataagtggg  | tcttcttatt  | ctgctgcatt  | tacggaaagt  | tatcaaagt   | 528000 |
| attctattta  | tgttacgacc  | tctgtaccgt  | ctggatgggt  | gatcccgttg  | aaatatataa  | 528060 |
| aaccgtctcg  | taccacctct  | tctgaaaaag  | ttgcgcgtgt  | acgtctgatt  | gtaccacacg  | 528120 |
| gacagggaa   | cagtcaggca  | tcgcagtatg  | tatatccttg  | ctattacgag  | ataacttata  | 528180 |
| atthaggtaa  | ataatgacac  | tgattaaatc  | tatatctggc  | atccggggta  | ctatcggagg  | 528240 |
| aaaagcggga  | gaaggattaa  | atccgctgga  | tatcgtaaag  | tttacttcgg  | cttatgccac  | 528300 |
| gctgattcgt  | cgtacatcga  | cggttggcag  | caacaagatt  | gttgtaggac  | gtgatgccc   | 528360 |
| tatttcgggt  | gaaatggtga  | agaatgtagt  | ttgtggtact  | ttgatgggaa  | tgggcttcga  | 528420 |
| cgtgataaac  | atcgggtctg  | cctctacacc  | tactactgaa  | cttgctgtga  | caatggcagg  | 528480 |
| cgcattgtgt  | ggtatcattc  | tgactgcaag  | ccataatccg  | aaacagtgga  | acgcactgaa  | 528540 |
| gttattgaat  | gaacacggtg  | agttcctgaa  | cgcagccgaa  | ggtcaggaag  | tccttcgtat  | 528600 |
| tgctgaagca  | gaagcgttcg  | aatatgcaga  | catcgaccat  | ctgggttctt  | atacagaaga  | 528660 |
| taattcctat  | aatgaaaagc  | atattgacag  | tgtactggca  | ctgaaactgg  | tggatgtaga  | 528720 |
| agcaatccgt  | cgtgctaatt  | tccatgtagc  | aatagattgt  | gtaaactctg  | ttggaggaat  | 528780 |
| catattgccg  | cagttgcttg  | agcgtctggg  | tgtacagcat  | gtcgaaaagc  | tgtattgtga  | 528840 |
| acctacagga  | aatttccagc  | ataatccgga  | acctcttgaa  | aagaacctga  | gcgatatcat  | 528900 |
| gaacctgatg  | aaagaaggta  | aggctgatgt  | ggcttttgtg  | gtcgaccggg  | atgtagaccg  | 528960 |
| tcttgccatg  | atttgtgaag  | atggaaccat  | gtacgggtgag | gaatatacac  | tggtgaccgt  | 529020 |
| tgccgattat  | gtactgaaac  | atacaccggg  | caataccgta  | tctaacttga  | gttctacacg  | 529080 |
| tgctttgcgt  | gatgtcactc  | gtaaatatag  | catgcagtac  | aacgcagctg  | ctgtaggaga  | 529140 |
| ggtaaatgtg  | gttaccaaaa  | tgaaagaaac  | aaatgccgtt  | attggcgggtg | aaggaaacgg  | 529200 |
| tggagtaatc  | tatccggagt  | cacactatgg  | acgtgacgcg  | ctggtaggta  | ttgctctctt  | 529260 |
| cctgagtcac  | ctggcacacg  | aaggcaagaa  | agtttccgaa  | cttcgtgctt  | cttatcctaa  | 529320 |
| ctatttcatt  | gcaaagaacc  | gtatcgacct  | gactcctcag  | acagatgtag  | atgctattct  | 529380 |
| ggctaaagtg  | aaagaaatgt  | ataagaatga  | agagataaac  | gatatcgacg  | gtgtgaagat  | 529440 |
| tgattttcct  | gataaatggg  | ttcatctgcg  | gaagagcaat  | accgaaccga  | ttatccgtgt  | 529500 |
| atactctgaa  | gccgctacca  | tggaggctgc  | cgacgaactg  | ggtaagcaaa  | tcatggacat  | 529560 |
| cgtttatagt  | ttggctaaat  | aaaattcaat  | agaatatgta  | gaataagtgt  | gctgccttaa  | 529620 |
| ggtagcacac  | ttatttttta  | tgcttttttag | tctttcactc  | tcatcacttc  | gttgtctgtt  | 529680 |
| tttgtcttct  | ttttaaaactc | actgggcgaa  | atgccacaac  | atctttttaa  | aaatttgcag  | 529740 |
| aagggaagcct | gatcagaaaa  | acagagtaac  | tctgcaatgt  | tttgtatcga  | ctgggttaggg | 529800 |
| ttttgtaaat  | aagcctttgc  | ctctatgatc  | agatattcat  | ctatgatttg  | tcccgccgat  | 529860 |
| ttattataaaa | ctcttcttgt  | cttggccgaa  | agtgcacccg  | atgaaacgca  | caactgggtg  | 529920 |
| gcataccatt  | ttacttcatg  | atgggtggcgg | cagtttgtac  | gtactaagtg  | cacgaagtgt  | 529980 |
| gagagaatat  | cgctccatag  | ctgttgctcg  | tctactactt  | cattttttata | cacttcgaaa  | 530040 |
| acagcattcc  | atatttcgag  | ctgaagcgta  | cgcagcatgt  | tttccatgac  | ttcataacgg  | 530100 |
| aagtgatatt  | ccggttattt  | gatgatagcc  | gtcagtaaat  | gcagaccgag  | aataatccgt  | 530160 |
| tgtacagttc  | cttcgttgag  | tgggacgaaa  | ggtttttgcg  | catatttgga  | gatgagccct  | 530220 |

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|------------|------------|-------------|------------|-------------|-------------|--------|
| ccaaacttgg | aacggatgct | ttctgatact  | tttataaaga | aactttgctc  | cgtagtaacg  | 530280 |
| aaatatcctt | caaagtcctt | gctggttttt  | atctttttcc | atgggtagat  | aaggatgaaa  | 530340 |
| tcgatatgtg | ccggagcttg | gatttcaata  | taatctccgt | ttatctgaaa  | atttagttta  | 530400 |
| ccttttgaaa | caaagaggaa | agttggatgt  | gattctttca | gtaagttcga  | gcggagcaca  | 530460 |
| tcttctcctt | gtgctttgaa | tatggtcatt  | ttatcgtttg | ccgctagttc  | ctcaacttgt  | 530520 |
| ccgtttgcta | tagctttgtc | gttaatccat  | tgaatgataa | tgttttcttt  | catcgtgttg  | 530580 |
| aatattttgt | aggcaataaa | tgtaggaata  | tatttccatc | gtagaaagcg  | cttttacgtg  | 530640 |
| ttttatgttt | tgtaaacaga | aaaattccta  | aacgtcgggt | tgaggcaagt  | atctttcggg  | 530700 |
| ttaagacaaa | taaattgctg | atacagcctt  | ttaactttac | gccgaaattt  | aactaaaaaa  | 530760 |
| ggaaaggaaa | tgaatagatt | gtttttaccg  | atgagtttcg | cttctttctc  | tttggcactg  | 530820 |
| ctttttacag | catgcagtca | gtcgacagga  | cagcaaggag | gaggtgaata  | caagctgata  | 530880 |
| acagtagaaa | aaacagacca | gacgctgacc  | agtgtttata | cggcagtcac  | caagggtagg  | 530940 |
| caaagtgtag | aaatacgtct | gcaggttaagt | ggtactctta | cggatatttg  | tgtgaatgaa  | 531000 |
| ggagctaagg | ttcataaagg | acagacctta  | ttcattatcg | atcaggttcc  | ttatcaggca  | 531060 |
| gccttacaga | cggcattggc | aaatgtgaag  | agtgcggaag | ctgccgttgc  | tacggcccga  | 531120 |
| cttacagcag | acagtaagga | agaattattc  | cgggaacatg | ttgtttccga  | tttcgaccgt  | 531180 |
| cagacggcgc | gcaactcctt | gctggaggca  | gaagctacgc | tggcacaggc  | aaaagccgaa  | 531240 |
| gaggtgaatg | ccaggaacaa | cctttcgtat  | accgtaatca | aaagtccggg  | cgacggggtg  | 531300 |
| gctggcatgt | cgtcctatcg | tgtcggagca  | ttggttaact | cttctattac  | tactcccttg  | 531360 |
| ctgacggttt | cggacgacga | agagatatat  | gtttatTTTT | ccatgaccga  | acagcagatt  | 531420 |
| ctttcgtttg | tccgtcagta | tggtagcatg  | gataaagctc | tggcaggaat  | gcctgagggtg | 531480 |
| gaacttcgcc | tgagtgcagg | acaaatgtac  | gggcataagg | gaaaaattga  | tgccatcagt  | 531540 |
| ggtacgaccg | atacggaaac | gggagcgatt  | accctgcgtg | ctgttttccc  | gaatcctgaa  | 531600 |
| agaatgctcc | gaaatggaag | tacagcgacg  | cttatcttcc | cttacgtgaa  | aaaaaatgtg  | 531660 |
| tttgtcattc | ctcaggaagc | tacattcgag  | atacaagata | aagtatatgt  | ctataaagtg  | 531720 |
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| gagtatgttg | tagaaagtgg | cttacagcaa  | ggtgaaacga | ttgttgccga  | aggagccgga  | 531840 |
| ctgattcagg | aaaatacgca | ggtgacggct  | gcttcaccgg | aaaaagagta  | aggaaaggag  | 531900 |
| gggattatga | aactgaagac | atttatagac  | cgtcccatct | tgtcgtgtgt  | gattttctgtg | 531960 |
| ctcatcctga | tgctgggaat | cattggactg  | actaatTTgc | caatggagca  | gtatccggac  | 532020 |
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| cagaatagtg | tgattgctcc | attggaggaa  | gcgattaatg | gtgtagagaa  | tatgacttat  | 532140 |
| atgacgtcta | ctgtaccaa  | taacgggtcg  | gcttccatta | ccgtttattt  | tgcacaggga  | 532200 |
| accgatccgg | atatggcgac | catcaatacg  | aaaaacaggg | tgtcgggaagc | tgaaggactt  | 532260 |
| ctgcctgccg | aagttaccaa | ggttggtgtt  | acggtcgaaa | agcgtcagaa  | cagtatgggtc | 532320 |
| aagattcttg | cactttacag | tgaagacgat  | agttatgacc | agaactttat  | caataattat  | 532380 |
| tttaagataa | acgttgagcc | tcggttgctg  | cgtatcaccg | gtgtaggtaa  | cgtgaatgtg  | 532440 |
| atgggtggag | attatgcatg | gcgtatctgg  | atgaaccgcg | aggatcatggc | acaatatgga  | 532500 |
| ctggtgccca | atgatgtgac | ctcactgctg  | gatgaacaga | atatcgaggc  | ggctaccgga  | 532560 |
| accttggggc | aagattcaga | aaacactttc  | caatacacat | tgaagtatcg  | cggacgttat  | 532620 |
| gaaacggaag | aggagtttgg | caacatggta  | atcaaggcac | ttccgtcggg  | cgaggtactt  | 532680 |
| cgctgaaaag | atattgcacg | gattgaactg  | ggagcacaga | cttacagcta  | taacagtcag  | 532740 |
| atagcaggac | atccgggagc | tacctgtatg  | attgccagaa | cagccggatc  | gaatgccaat  | 532800 |
| gaaatagtga | aagaagtaga | taaactggta  | gaggaaattt | cgaaggatct  | gccgaaagggt | 532860 |
| ctggtactta | ctgacttgat | gagtacgaaa  | gactttcttg | atgcttctat  | ccacgaagtg  | 532920 |
| gtaaagacgc | ttatagaggc | catcatcttg  | gtgattcttg | ttgtttattt  | cttcttgcaa  | 532980 |
| agtgttcgtt | ctaccattat | tccgtcgggtg | tctatcatcg | tgtccttggt  | gggtacattc  | 533040 |
| gcctttctct | atgtagccgg | attcagcttg  | aacttgctta | cgctttttgc  | gctggtactg  | 533100 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
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| gatgaagggg  | atcggttcacc | ttacaaggca  | actctggcag | cgatggacgg  | catttcagca  | 533220 |
| gctatcgtga  | ctacttcgct  | ggtttttatg  | gccgtgttca | ttcctacctc  | tttcatggga  | 533280 |
| ggaaccagtg  | gtatttttcta | taccaggttc  | ggacttacca | tggcgggtggc | tgctcggtata | 533340 |
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| gcctctttca  | accgcctggg  | gttgaaatac  | aaaaatggag | tttcgttttt  | cctgcatcgt  | 533520 |
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| acgacgaaga  | cgggactggg  | acctgatgag  | gatatgggta | ctgtgtttgt  | gaatgtaact  | 533640 |
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| aagtcggcta  | agctctttgc  | ttttgcacag  | cctaccattc | cgggatatgg  | tatgggtagc  | 533940 |
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| ttcgatacca  | agttcccgcga | gtacatggta  | gaagtagatg | cggcaaaatg  | caagcggggcc | 534120 |
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| cgtctggata  | cagagtcatt  | gaacaacatg  | tttgtacgta | caggtagcgg  | agagatggca  | 534300 |
| cctgtagggc  | agtttgttac  | actgacaaa   | gtgtatggag | ccgaaacgct  | gacacgtttc  | 534360 |
| aatatgtata  | cgtctattcc  | ggtgaacgga  | atgccggccg | acggatacag  | tacgggagat  | 534420 |
| gctattcggg  | cgattgagga  | ggttgctgca  | cagacacttc | ctaccggata  | tggttatgaa  | 534480 |
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| atttgtgtct  | tgttcgttta  | cctgattctg  | tgcgctttgt | acgagagtct  | gtttattccg  | 534600 |
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| cgtacagctc  | gatccggaag  | gctctttaag  | taaggtaaag | ggtggacaaa  | ccagcaagac  | 534960 |
| gtatactctt  | ggagggttcg  | caagctggga  | aatcgatttg | tttggcaagc  | tgaccaatgc  | 535020 |
| caagcgcagt  | gagcaggctg  | caactggagca | gagtgttgct | taccggcagg  | ctgtacagac  | 535080 |
| tcagctgatt  | gctacggtag  | ccgaaagcta  | ttatacgttg | ttgatgctgg  | atgagcagat  | 535140 |
| tgctattaca  | tccgaaacga  | taacaaactg  | gaaagaatat | attcacagct  | tgcgcgctact | 535200 |
| gatgaaatca  | ggtcaggcag  | accgtgcggc  | agtcagtcag | gcagaagctt  | cccgtttggg  | 535260 |
| agcagaggcc  | tccttgctcg  | atttgaagca  | gcagacagtg | gaaatggaga  | atacactttg  | 535320 |
| ttcgtgctg   | gcatggtctt  | ctcagcatat  | agaacgcagt | tcactcgatt  | gtcagcgttt  | 535380 |
| cccgcagaaa  | ctttcggtag  | gcataccgct  | ggaattgctg | tcacgccgtc  | ccgatgtcat  | 535440 |
| gcaggcagaa  | gccgagttga  | aacaggcctt  | ttacggagtc | aatcaggcaa  | gatcgaattt  | 535500 |
| ctatccgagt  | atcaccttga  | gcggctcagc  | cggctggaca | aacagtgtct  | gagctgttgt  | 535560 |
| ttccaatccc  | ggtaactggg  | tgtttcaggc  | tatcggttcg | cttggtacaac | ctatcttcaa  | 535620 |
| ccggggtaaa  | aacatttgcta | atctgaaaat  | atcgaaagca | cagcgggaag  | aagcattgct  | 535680 |
| gcaattccag  | caaacgcttc  | tcgatgcggg  | cggagaagtg | aacaatgctt  | tgaaccaatg  | 535740 |
| gcaaaacgcc  | cggcataagg  | ttgtgcttga  | tgaacagcag | gttgaacatc  | tgctcggttg  | 535800 |
| cggtcacgat  | acccgtttac  | tgatggaaca  | tggcacgacc | aattacctgg  | aagtgtgtgac | 535860 |
| agcgcaacag  | tcactcttgt  | cttctcgtct  | gacaatgggt | tccgatagaa  | attcggaaat  | 535920 |
| acaaggtgtt  | atcagccttt  | atcatgcgct  | gggtggagga | acaggcaatt  | aatttttttc  | 535980 |

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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
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| tccactataa  | aagaaggatg | aaattgttga | tgtatgggtg | ctttcattaa  | acgatgtcag  | 536100 |
| ttaagtgaat  | gacttattac | atagatagcc | aaacataatt | tgcattgtaga | cttttgggaa  | 536160 |
| tacaaaaaag  | ccaactaatt | catgatttgc | actatgaatt | agttggcttt  | ttatgtTTTT  | 536220 |
| gataggatat  | cctattcgc  | taaggctgta | ttgacgggtg | tttcataaag  | cgggaacgac  | 536280 |
| cagcaataag  | ttgttttatc | ggatggagta | gcaacgacag | tccagcttcc  | atctgtttgt  | 536340 |
| gggtgacgg   | agttttctgc | tcttcgtgaa | atatcataac | cacgaagccc  | ttctgccatg  | 536400 |
| aattcccaac  | gacgttcatt | gtcgatgacc | gtccaaagt  | cttcacctgt  | ttctgtatac  | 536460 |
| gttacaagag  | gatcctgatc | tgccggaatt | gagcgggtac | gaacctcttt  | tacatatttt  | 536520 |
| agggccattg  | gttcattgtc | tttgtttag  | tagcattctg | caaggttcag  | caaaatttct  | 536580 |
| gcataacgga  | ataccggaat | ccactcatat | tggttagagc | gttcgttgta  | tttttcacaa  | 536640 |
| tacatatagc  | ctcgttcac  | tgtatagaga | aagtttgtag | gagcgtcacc  | tttgatacca  | 536700 |
| taagtgggtg  | caatgccatt | gatgttgttg | acaacggtaa | tctgtcctgc  | ttcatgataa  | 536760 |
| aaatatccaa  | ccggatgggt | ctggctgttc | gatttatcac | tttactcat   | cgggattgag  | 536820 |
| aaaatgtttt  | cagctgtcag | tgcataaggt | gcgtcgaaca | tggtagcgat  | tgaagaaatc  | 536880 |
| aatgaaaatc  | cagtgtggc  | atctccttca | gcaatggcgg | catcccaatt  | ctccatacac  | 536940 |
| atatatactc  | gcattcggag | agcatgtgcc | gatgcctgtg | atgctttggt  | tgacgaaaaa  | 537000 |
| ccactcgatt  | catagtctgc | aggcaatgcg | tcaatctctt | cgggtgtcggc | cagtatctgt  | 537060 |
| ttgaatactt  | ccgaaatagt | cgatgccgga | catgcattgt | gtcctgcacc  | cgtcacagct  | 537120 |
| tcgattctta  | aaggcacatt | cgatgcattg | ggatcgggtt | tatagggcaa  | gccatatagc  | 537180 |
| tggtcaggt   | aataatagga | aattgcccg  | acaattttac | attcctgaac  | atagcggcgg  | 537240 |
| gctgtttctg  | catcgcacgg | taacgaattc | gcataagtct | tctcgatacc  | atcgataatc  | 537300 |
| gtgtttgcat  | aattaatggc | cagatatgcg | ttacggaata | aggcatcggt  | ttcgatactt  | 537360 |
| gatgcattta  | ccgcatggct | gtaagtatca | cgcatggtat | aaccgttggt  | tccataatta  | 537420 |
| atcatatcat  | ccgaacgggt | atcgccggct | aatgtagcaa | agcctcccag  | aaaataacca  | 537480 |
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| cgtgtggcac  | ttccaaagat | ggatgcttct | gtaactttta | gatcgggggt  | cttattgata  | 537600 |
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| cacgagagtt  | gatttctggg | tccataccgc | tatatcctgt | tatgcagaac  | aggtttggtg  | 537840 |
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| gcataatccga | catggttgct | ttcataccgt | tataaatttt | gttgccaccg  | gaaaactgga  | 538140 |
| agaagagtg   | ggcatcccag | cctttccagc | taaagtgtgt | tgtccatcca  | ccatagtacg  | 538200 |
| tcggtttggt  | attacccatg | atatgtgggt | tccagtcgtc | aatatccaat  | gcttcacctg  | 538260 |
| tggtccggtc  | ataaactgat | gctcctgtgc | cataagtgtg | aaccagtaaa  | gcctcacggg  | 538320 |
| tagcattgcc  | gttcgcatcg | tcgagcaata | cgacacgacg | tcctgtttcc  | ggatcaacgc  | 538380 |
| ctgccgttgg  | ataaacatag | agttgtgcca | tagacaaacc | ttctgtcgtg  | atgttggttg  | 538440 |
| ctcctgtacc  | gtcttctatg | atatcacttt | ccaattcgag | tactttattc  | tttaciaaagg | 538500 |
| taaagtttac  | actactatcc | caggagaatc | cattgatgtg | caagatgttg  | ccaccacgag  | 538560 |
| agaactccag  | accctgattc | tgagctttac | caaggttggt | ggtaatagcg  | aaatctggaa  | 538620 |
| taccgggtga  | gtaggcctga | ctggagttaa | gaatcagggt | ctttgatttt  | gaccggaagt  | 538680 |
| atgtaacttc  | aaaattgaat | cggttggcta | tttgtccggt | aataccgata  | tctgtcttcg  | 538740 |
| ctgtctgttc  | ccagcccaga | tttgcactcg | cgatggaagt | cggataataa  | gcacctacac  | 538800 |
| cgttatagta  | agtcgagctg | taagttgaca | aggaagcata | agcatctaca  | ttggtattac  | 538860 |

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|            |             |             |             |             |             |        |
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| caacgatacc | atagctggcc  | ttcagacgta  | agtcggagat  | ggcactctgt  | agaggcttga  | 538920 |
| agaagttttc | gtcagaaata  | cgccatgacg  | ctgaaactcc  | ccaaaagtta  | ccccatttat  | 538980 |
| tgccaaagc  | agaaagaccg  | tcccagacgga | agcttccttc  | cagataatag  | cgataattcc  | 539040 |
| agttgtaaga | aagacgacca  | agataagaaa  | tcatagaccg  | ttcttcacgt  | ttgttggttg  | 539100 |
| aggcatcact | cgaataagtc  | agataaggag  | cttcctcgaa  | aatcattttct | ttatcagcaa  | 539160 |
| gagttgaggc | atcgtagtag  | cggcgtttgt  | actgcatttc  | ctgtgcctcc  | ataccaattg  | 539220 |
| tggcagcgaa | gtgatgattt  | ttggccaaat  | cgaactgata  | attagctgtg  | ttggtccatg  | 539280 |
| tccaggtctt | gcgggttgtt  | gcataggcgt  | aaaggtttcc  | ccctgaggcg  | taaccaccac  | 539340 |
| caccgtttgg | tgaatacatc  | gttggttagt  | tggtaatgaa  | ccagtcaact  | ccgtattgtg  | 539400 |
| aacggatatt | caatcctttg  | atcggatgta  | aatccagaaa  | gccactggcg  | atgacacggt  | 539460 |
| tgttctccat | gcggctggcc  | tgttcgtcta  | tataagacat  | cgggttgtag  | taagtacaac  | 539520 |
| cgattttgtt | gtttccgtag  | ccaaggtagt  | ttcattatc   | catataagga  | gtaccgtctt  | 539580 |
| cgttgtatgc | cggaatgttt  | ggaggcaaga  | tagctgccat  | acgtgagaaa  | ccgttgatag  | 539640 |
| agtaggctcc | tgtaccataa  | ccggagtcga  | cgttcttttg  | ctgggtatct  | gagtaactgc  | 539700 |
| cgttgaatcc | tccactcagc  | cagtcggctg  | gattgaagtt  | ggtgttggtt  | ttgaatgaat  | 539760 |
| aacgtttgaa | ttcatcgccc  | actgtaatac  | cgtcttggtt  | cataatgccc  | gtactaatat  | 539820 |
| agtagtttgc | ggtatcatta  | cctcccgata  | catttaaatac | gtgggttcacg | atacttcctg  | 539880 |
| tctggaaaag | caagtcactc  | caatcgggtg  | tgactacatc  | tccgttgctg  | tcgtacatta  | 539940 |
| atccataggc | atatttgtcg  | tagaatcctt  | tgctgctttg  | acgagaagcc  | gtattggaaa  | 540000 |
| ctgcgagatt | ctttaattcg  | acgtattgtt  | ctgcgttcac  | tgctcgatc   | atgttggtcg  | 540060 |
| gcgtcgtgac | tgtatagcta  | ccgttgtagg  | aaatTTTTgc  | TTTTcctttt  | tgaccggagt  | 540120 |
| tggtcgtaat | catgatgaca  | ccgttggtcg  | ctcgtgaacc  | gtaaagggct  | gttgacgccg  | 540180 |
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| gacgagtgtc | tgatgttcca  | tccatcgata  | taatcatacc  | atcgactaca  | tacaatgggg  | 540300 |
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| aagggccagg | caaattcttg  | atagcttctc  | ctcttaccga  | tgaacacagc  | cctgtcaagt  | 540480 |
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| ctgtaatgg  | tcctctgttg  | gttccaacca  | cgaggatcga  | ggcaccaatt  | actgggtcac  | 540720 |
| cattctcatc | caaaactttt  | cctttaaaag  | gagtcgtg    | catggctaaa  | gttgagcata  | 540780 |
| aagctaaacc | aatacctaag  | ggaattacct  | ttctcataat  | gaaaactgtt  | ttatgcgttt  | 540840 |
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| tatatgtatt | tttgatttat  | aaaaccaa    | aaaacaagaa  | atttgtttta  | aaaatgtatt  | 540960 |
| ttatagtatc | tatatgtttt  | ttgttttgtg  | gtatagctaa  | tataatgaga  | ttagattttct | 541020 |
| aactatata  | tatatcttta  | ttataaaata  | tagttaataa  | taggtgtcat  | ttatctgctt  | 541080 |
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| ctcgaaaga  | ggaaaaaagt  | gaatgaaata  | gatggagaga  | attgtagaat  | agatgttgtt  | 541260 |
| tgtaggttg  | tatttaatct  | acccaaagca  | tgctactcat  | gatgccgtcg  | gaaataaata  | 541320 |
| ctcctttttc | tgtgaagttt  | aatacgccgt  | tgctaagttc  | cagtgtgcct  | tgcgacaaat  | 541380 |
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| catcgagctg | catacccccac | atggttacgga | tggttgtaat  | gacaaaatcg  | ttgtagcggg  | 541500 |
| tatataaatc | aagctcttct  | acctcaaaat  | acgtttctcc  | gttggtttact | tggtcaatat  | 541560 |
| agtgatccag | tgaagaaaca  | ttccattgtc  | gggagattcc  | gttggtacgaa | tgagccgaag  | 541620 |
| gtccgcatcc | cagatatttc  | ttcccgggtc  | agtaactcga  | attatggcgg  | gagtacattc  | 541680 |
| ccggcaggca | gaagttggaa  | atctcgtaat  | gctggtaccc  | gtagtctttt  | agcttgtgga  | 541740 |



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| taagctgagt  | aaagagcgaa  | acactcaa   | actcatctgc  | ttcttccacc  | cgatgctgct  | 541800 |
| cacgcagttt  | ccagagaacg  | gtaccttcct | cgtaaatacag | gtgataggcc  | gatatgtgtt  | 541860 |
| ccggtttcat  | gctgacagcc  | tgccgtaagt | ctgcctccca  | tgtttgacgc  | gtttctccc   | 541920 |
| gcaatccata  | catcaggtcg  | atactgat   | tggtgaatcc  | ggctttccgg  | cagcgttcga  | 541980 |
| aggcctcgac  | agcttgctgt  | gccgtgtgcc | gtctgtgaag  | tagacgcaga  | atattttcct  | 542040 |
| gaaatgtctg  | gatacccatg  | ctcaggcggg | tgaacggaaa  | ggtgcgcagc  | atgttcacgt  | 542100 |
| attcgtctgt  | caggtcatcg  | ggattggcct | cgatgggtgat | ttctgcctcc  | ggggaaatat  | 542160 |
| cgtacaaacg  | gtggagtgtc  | tggaaaatct | gttcaaagtc  | tttgtcttcg  | agttgcgacg  | 542220 |
| gcgtacctcc  | tcccaggtag  | attgtttcaa | tcctttctcc  | ttgcaaataa  | tcctttctct  | 542280 |
| gatccagttc  | acggcaaagt  | gcggcgacat | aagcgttttt  | tttctcgctt  | tgtgtcgttg  | 542340 |
| agtagaagtc  | gcagtagata  | cagcgacgtt | tgcaaaaagg  | aatatgaaga  | taaatagcctg | 542400 |
| ccatggatct  | ctatagtttt  | ttcgagtgc  | aaaataatga  | gaacttacca  | atttcggggg  | 542460 |
| gttcggtcta  | aattaaaagc  | tgaaaaatga | agagaatttc  | gatagctttt  | acctcgttac  | 542520 |
| gttcgtgcaa  | agatctcatc  | acgtatgtga | taatatctcg  | tcacgaacgt  | gatgaggtct  | 542580 |
| ttgtacatac  | gtgccgaagt  | tattttccgc | tcttgtttca  | gattaccgga  | aacagagtct  | 542640 |
| ggagaatatc  | tttttgttac  | gaattataag | attgcaaagt  | gtcagcaaaa  | tgaattgttt  | 542700 |
| tacatctatg  | tgaaaaatat  | gcagaaaaaa | ggttgttaat  | gcgttaaata  | tattttatat  | 542760 |
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| ttctttgaaa  | agtttgtcaa  | ttaattgcgt | gtttggttca  | atcccagaca  | cgcaaataaa  | 542880 |
| tcgttcaagc  | atgtaagcat  | tgtgtatgac | tgacttgc    | gatgatattg  | aatattttat  | 542940 |
| tcccatcttc  | ttacaggcag  | ccttggcgag | gtttatcgct  | gcaagtgatg  | cattaaagtg  | 543000 |
| gaatgccagt  | ttcctgaagt  | ctgtagactg | acagtttgct  | attccggcat  | gttgcttggc  | 543060 |
| atcccgaag   | cagaattcga  | gttggaacg  | tgttctgtaa  | aagtccagga  | catcctgtgc  | 543120 |
| gttctgtatt  | tcgtttgtag  | agaaatacag | ctgccatttg  | tccgtttctt  | catccatggg  | 543180 |
| gtaccataca  | gccagggtca  | caaagcggtt | gagtgccttg  | gagtatgctt  | tcagtccgta  | 543240 |
| aagtttacc   | ttgttcactt  | tgtactcggt | acatcttggt  | atgtccagat  | tttcaaagtc  | 543300 |
| aattttctcg  | tcattgtaatt | ttggacgtcc | gcgttttctt  | gtcctatttt  | ctaagggtggg | 543360 |
| ataaaacaat  | acggcatcat  | tcctgaaacg | gcttattacg  | tggaaaccgt  | tatcgtacaa  | 543420 |
| tggtttgatg  | aaagttgcct  | ttgaaaagaa | cgcatacac   | acgactgtgc  | cagaaatacg  | 543480 |
| tttcagctgt  | tcctgtatgc  | tgataaggta | agagctgtac  | cagtcaacaa  | gattcttctc  | 543540 |
| acagctttcc  | agcgttgctg  | tgtcaggtgt | ctgtacagag  | cccaaagtca  | tacattcatg  | 543600 |
| gttgtaacg   | tctataactc  | caataccggt | tatttccagt  | ccacgtttgt  | attcaccggc  | 543660 |
| acaaccggac  | cagaaatagc  | caatccacgg | cgttttgctg  | cctgattttg  | gaatgaaaga  | 543720 |
| cggatcaacg  | gctatcgctt  | tgcgaccacc | tttaagggtg  | tccctgatga  | tggcttcatt  | 543780 |
| gaaggaaaac  | cagtcaaagc  | cgtcgttctc | aaaattgttg  | cggtatgtct  | gttccgagaa  | 543840 |
| acatccatac  | cgtcccattt  | gtaggaaatt | gatgcggtca  | ggtatagcca  | tgaataattt  | 543900 |
| cattgcatcc  | atgaatactt  | tctgaaaaga | tttgcttata  | tttacagctg  | attcgagagc  | 543960 |
| gtttctgcac  | tcggattggg  | attgcataag | gagtgattct  | ttagtataa   | ttaaaagtgg  | 544020 |
| tgaagtactt  | ctaatttact  | aaaaatcagt | gaattatgaa  | atactttttc  | tgttgatttt  | 544080 |
| cagctgttta  | gcatactttt  | ttcatccctt | ttcttactcc  | ttgacgattt  | attcttgaca  | 544140 |
| gtattttcaat | gatctcttga  | atataatttt | gaaccggatt  | atgccgattc  | tatgtttaat  | 544200 |
| tttaattttat | cggtaaaaat  | ttaccgaagt | attgattttg  | aaatcacaca  | aaaaataaac  | 544260 |
| ttgttcctga  | aagcaatagt  | tcgttaaaaa | ttagcccagc  | ctaagcggct  | ctggcagtaa  | 544320 |
| ataaaatgag  | ttctttgaaa  | agtttgtcaa | ttaattgcgt  | gtttgggttca | atcccagaca  | 544380 |
| cgcaaataaa  | tcgttcaagc  | atgtaagcat | tgtgtatgac  | tgacttgc    | gatgatattg  | 544440 |
| aatattttat  | tcccatcttc  | ttacaggcag | ccttggcgag  | gtttatcgct  | gcaagtgatg  | 544500 |
| cattaaagtg  | gaatgccagt  | ttcctgaagt | ctgtagactg  | acagtttgct  | attccggcat  | 544560 |
| gttgcttggc  | atcccgaag   | cagaattcga | gttggaacg   | tgttctgtaa  | aagtccagga  | 544620 |

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|            |            |             |            |             |             |        |
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| catccatggg | gtaccataca | gccaggctca  | caaagcgttt | gagtgccttg  | gagtatgctt  | 544740 |
| tcagtccgta | aagtttacc  | ttgttcactt  | tgtactcgg  | acatcttgtg  | atgtccagat  | 544800 |
| tttcaaagtc | aattttctcg | tcagtgaatt  | ttggacgtcc | gcgttttcct  | gtcctatttt  | 544860 |
| ctaagggtgg | ataaaacaat | acggcatcat  | tcctgaaacg | gcttattacg  | tggaaaccgt  | 544920 |
| tatcgtacaa | tggtttgatg | aaagttgcct  | ttgaaaagaa | cgcatacac   | acgactgtgc  | 544980 |
| cagaaatacg | tttcagctgt | tcctgtatgc  | tgataaggta | agagctgtac  | cagtcaacaa  | 545040 |
| gattcttctc | acagctttcc | agcgttgcgt  | tgtcagggtg | ctgtacagag  | cccaaagtca  | 545100 |
| tacattcatg | gttgtcaacg | tctataactc  | caataccggt | tatttccagt  | ccacgtttgt  | 545160 |
| attcaccggc | acaaccggac | cagaaatagc  | caatccacgg | cgttttgctg  | cctgattttg  | 545220 |
| gaatgaaaga | cggatcaacg | gctatcgcct  | tgcgaccacc | tttaagggtg  | tccctgatga  | 545280 |
| tggcttcatt | gaaggaaaac | cagtcaaagc  | cgctgttctc | aaaattgttg  | cggtatgtct  | 545340 |
| gttccgagaa | acatccatac | cgtcccattt  | gtaggaaatt | gatgcggtca  | ggtatagcca  | 545400 |
| tgaataattt | cattgcatcc | atgaatactt  | tctgaaaaga | tttgcttata  | tttacagctg  | 545460 |
| attcgagagc | gtttctgcac | tcggattggg  | attgcataag | gagtgattct  | ttagtcataa  | 545520 |
| ttaaaagtgg | tgaagtactt | ctaatttact  | aaaaatcagt | gaattatgaa  | atactttttc  | 545580 |
| tgttgatttt | cagctgttta | gcatactttt  | ttcatccctt | ttcttactcc  | ttgacgattt  | 545640 |
| attcttgaca | gtatttcaat | gatctcttga  | atataatttt | gaaccggatt  | atgccgattc  | 545700 |
| tatgtttaat | tttaatttat | cggtaaaaa   | ttaccgaagt | attgcctgaa  | agtctaaaat  | 545760 |
| gtaaaaaata | tgaattgttg | taagttggta  | aatcttttgg | ccgtgctgag  | tgcaggaaact | 545820 |
| ttgcatgcgg | agtctgcttt | tgccgcggag  | gctcctggct | gggaaaagga  | agtcgtgcag  | 545880 |
| caggcaaatc | aacagaaaaa | tgtcgttacc  | ggaacggttc | ttgatgaaaa  | cggattttct  | 545940 |
| gtaccaggag | cttcggttat | ggtagtagga  | actacagatg | gtacagtaac  | cgatatggat  | 546000 |
| ggagtctatt | cactttcgct | atcgcggaag  | aaggctgtct | tgcgtttttc  | ttttatcggc  | 546060 |
| ttgaagtcgg | tcgatgtgga | gtatacggga  | cagaaaacac | tgaacgttgt  | tctgaaatcg  | 546120 |
| gataatcagg | tattggatga | tgttgttgct  | atcggatatg | gtagcaagaa  | ccgcaagagt  | 546180 |
| cttaccagtt | ctatttcgtc | tgtcaagaaa  | gaagacctga | ataaattgtc  | gaagacttct  | 546240 |
| tctactgttc | aggatatgtt | gggcggaacg  | ataaagggtg | tattggtaac  | tcagaacagt  | 546300 |
| ggtgagccgg | gagctacgat | gacggtcaac  | gtacgtggta | ttacctcgcc  | gtatcctatc  | 546360 |
| gctacttcgc | tgacggcaaa | caatgctccg  | ctttatgtaa | tagacggagt  | tccgatgttt  | 546420 |
| gtggacagta | atgcgctgaa | tccgctgggtg | aatattgcac | cgaacgatat  | cgagagtatc  | 546480 |
| gacgtactga | aggatgcttc | tgctacggct  | atctacgggt | ctcgtgggtg  | gaatgggtgt  | 546540 |
| attatcgtta | cgacaaaaa  | cggacggaag  | ggagagaagg | caacggtaga  | agccggatat  | 546600 |
| acgctgagca | ttgccaatcc | ggtaaagatg  | ttcaagccgc | tgaacaatca  | ggagtccgc   | 546660 |
| tcgttgacgg | aagagattct | gcggaatacg  | atggatgcgt | acaattatga  | catggcgaat  | 546720 |
| tttaccatga | ctacgcaata | cagtatgatg  | tacgaccgga | cgatgctgat  | ggcttacgga  | 546780 |
| aactttgacg | tcgactggaa | tacgttgatg  | tatacaaagt | ttttgggggt  | gaacgaaaagt | 546840 |
| gcgtttggca | aggagaacat | taactgggag  | gacgagacaa | gaaataaaaa  | tgccataacc  | 546900 |
| aaccagtata | atgtgtctgt | acgaggcggt  | tccgaaaaga | cggactattc  | gtttgcgttc  | 546960 |
| aatgccatcg | atcaggaagg | attgtataag  | aatgataatc | tgggaacata  | tagcggacgt  | 547020 |
| ttgtctgtca | atacggagat | aaccaagcgt  | atgcgtatgg | gagcattgct  | gagctattca  | 547080 |
| tactccaagc | gtaccagccc | cagtcaggaa  | agcatcatga | tgcccgatac  | acacccttgg  | 547140 |
| ctggttcgtc | cggacctgcc | gatttacgat  | gaaaacggcg | actatactcg  | tctggataaa  | 547200 |
| agtgcagttt | atttcacacc | tgccggcagt  | gtaagcggac | ctaataccggt | tgctttgctg  | 547260 |
| aaccgtaagg | ctgaatatga | gagcgaccag  | tttatgggta | atgtttatgt  | ggatgtcgag  | 547320 |
| ctgctgcgta | acctgaagtt | tcattccgat  | tttaccttgg | cttcttataa  | ttacgacaac  | 547380 |
| agttatttct | cgccaagcta | tttgaggaa   | atctgggtgg | gcagtcctta  | ctatgcacag  | 547440 |
| cttacgactg | cacggctcga | gtatgtaagt  | acatccatca | atttccgtct  | ggattataat  | 547500 |

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|             |            |            |             |             |             |        |
|-------------|------------|------------|-------------|-------------|-------------|--------|
| taccatacag  | gtaagcattt | gtttggtgcc | atggcgggtt  | atggagccga  | ccgtacacgc  | 547560 |
| agtaccggcg  | gtacgaatat | gtatcaaggt | ttcccgaacg  | atgataacct  | ggataatgta  | 547620 |
| ggttcggcac  | agtctgtcct | gatgtattcg | gattatgtcg  | tgaaaagtgg  | actgaactct  | 547680 |
| atttacggcc  | gattgtcgta | cgattatgac | tctcgttact  | tgctggaagt  | aagtatgcgt  | 547740 |
| gccgatgctt  | cttcgaagtt | cggaccgggc | aatcagtggt  | gtgttttccc  | ggctgtttct  | 547800 |
| accggatggg  | tcatcagtcg | tgaagcattc | atggaaaagg  | ctccgtgggt  | aaataatctg  | 547860 |
| aaaatgcgtt  | taagctgggg | acagactggg | tctaccaacg  | tatccgactt  | ctcgttccgt  | 547920 |
| cagttctata  | catccagcca | gtatggcgaa | aactcttcgg  | tcaagttgca  | ggacttgctg  | 547980 |
| cctaaccggg  | gtattcactg | ggaaaagaca | aacgaagtga  | atttcgggtc  | ggacttttct  | 548040 |
| ttcttcgacg  | atcgccgtga | cggaaagctt | gatgcctatt  | accgtttata  | caacgggtgca | 548100 |
| ctggcacctg  | ctcctcatgt | actggagtcg | ggtatgacaa  | gttattatga  | caatatcatc  | 548160 |
| gatgtatcga  | accgtgggtg | agaagttgcc | atcggaggtt  | atccggtacg  | cggaaagaat  | 548220 |
| ttctcatgga  | gttcggattt | gaatatttcg | gtcaaccgga  | accgcatcga  | gtcattgaac  | 548280 |
| aatgctcaga  | tcaattcata | catgcaggat | gcctttattg  | taggtcgtcc  | ggctggtacg  | 548340 |
| gtaaaaggat  | atgtagtcga | ccatatcgta | cagaacatgg  | atgaagtga   | tcagttgaac  | 548400 |
| gccaaaggcaa | tggagaacgg | atacgtgaa  | tatcagtcgg  | gtaccggagt  | cggagatttc  | 548460 |
| ctgatgaagg  | atatcgatgg | taatggtgtc | atcacatccg  | atgaccggga  | cgtgattgct  | 548520 |
| actcccgaag  | cgaaattctt | cgggtgatgg | accaatacgt  | ttacgtacaa  | gaatttctcg  | 548580 |
| ctgtcgttcc  | tgatgcaatt | ctcttatgga | ggtcaggcgg  | tatacagtaa  | tttaggagag  | 548640 |
| gaaatgagtg  | gcgtgctggg | acagagcgtt | ggtcgcgaac  | tctacggaaa  | tacctggaca  | 548700 |
| ccggaacgta  | cggatgcgaa | atatgcccg  | ctggtagcag  | gttcgatgag  | ctataattat  | 548760 |
| caggtaaaccg | accgtttcgt | attcgataca | tcttatctga  | gaatgaagaa  | tgttacattt  | 548820 |
| tcgtattcac  | tcccgaagaa | gtggatcaat | aaatgctatt  | taagcaatgc  | ttctgtgttt  | 548880 |
| gtaacggcta  | ccaacttggt | tacggtgact | aaatggccgg  | gactcgatcc  | ggaaacgggt  | 548940 |
| tctaccggta  | tcacgagtat | gggaacgaac | agtgaccctg  | atccggtgag  | ccgttcattc  | 549000 |
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| gcagccattg  | ccgtgaatgg | tatctatgat | ggatggcggg  | cgaagagttc  | tattttataac | 549240 |
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| tttatgctgc  | tgctgtgta  | tggagaattc | tggaaatctg  | attctcagta  | cggcatcgtg  | 549540 |
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| tatactgcta  | tcttgaacga | cctgaccgaa | gctgaaacgt  | tgccgggtgaa | actgacttct  | 549660 |
| tccggtacgc  | atgccatgta | ttatggcaac | ggattgtcgg  | ccgagggcgt  | gaaagccaaa  | 549720 |
| gtcttggtgt  | cgatgggtga | tttcgatatg | gcttaccaga  | catcagacga  | ggtgataacc  | 549780 |
| aaatgtaaag  | atcagggtat | tgttctggaa | cctgtatatg  | gagatatctt  | cagcagcttc  | 549840 |
| cagagtacgg  | acttgctggt | ctatccgtat | acgatgaata  | cccagcaaac  | cgtggcagga  | 549900 |
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| ccggaagata  | ctcgttacaa | atgggcattt | gatgctgaac  | acatgggtctc | atcttatcgg  | 550020 |
| atgaacaagt  | atcagatgga | tgataacgtc | gataaggtag  | cgggcaattc  | tttgatatatg | 550080 |
| cttcgtttgt  | cggaaatgta | tctggtaaag | gctgaggctg  | ccgtccgtaa  | gacgactcct  | 550140 |
| gatttgaggag | ctgcccgtga | agcgcttcgt | ccgataaccg  | atcgtgcagg  | atttgctgcc  | 550200 |
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| ctggagctgt  | tcggcgagaa | cttcgaagac | tggttcgata  | tggtccgcta  | taataagctc  | 550320 |
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| catagttatg  | aagaaaat    | ttttagtagg  | catggtggcg  | ggcctgttgg  | cttcctgcc  | 550500 |
| tacaaagaca  | gacgggtata  | caatagaagg  | cacgctgacc  | ggagatgctg  | cttcgggtaa | 550560 |
| agcttatctg  | gagcggtcgg  | aatatcaggc  | agagccgact  | gttgctcgaca | gtacgatggt | 550620 |
| agaaaatgga  | agttttactt  | tctctggaaa  | agtagaacgt  | ccgggtttgt  | attatgtcgt | 550680 |
| gattgatctg  | aataaaccgg  | gtgaggaacc  | tgattatcag  | aataagatgt  | tccgtacgat | 550740 |
| gctgtatctg  | gaaaattcgg  | atatcacgta  | caaaggggat  | gtcgcaacat  | taccgggatt | 550800 |
| ctattatgca  | cccggaccgta | agaatgaatc  | tccgcagata  | acggggtctt  | ctgtacacga | 550860 |
| tctgttcacg  | aagatgaatc  | aggaaatgaa  | gacatattct  | gatactttga  | atgtgcttgc | 550920 |
| agaacggtat  | gcggatgaat  | acttggttcc  | tgaatcggaa  | ggaaaggaag  | tggctgccat | 550980 |
| cggaatggac  | atagctcgtg  | aagaaatgaa  | gtggaaagat  | aagttgctgg  | ctttccagtt | 551040 |
| gcagttcatc  | aaagaccatg  | ccgactctcc  | ggttgccatg  | gatcaggcga  | tgtattatct | 551100 |
| ttcaggcatg  | gaatatttgc  | cggatgtaac  | cgagattgac  | cagttacagg  | ctttgtttga | 551160 |
| gaagtattgg  | gctggaactc  | ctgagttgaa  | gctttttgaa  | caggctgcat  | cggcagcgcg | 551220 |
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| ctgggtgtgg  | ccttgccgtg  | gagaaatacc  | tcatttgcg   | aaaatacacg  | ataagtacaa | 551400 |
| ggatttcgcc  | attgtaagca  | tttcgctcga  | tgagaaggaa  | aaggaatggc  | aaaaggccat | 551460 |
| gaaggaagaa  | aacatgagct  | ggacgcaagg  | acggctggat  | ggaggcattt  | acggcgaagg | 551520 |
| tgccaaaact  | tataacattt  | aggctatccc  | gatgtgtctg  | attctggata  | aagaagggcg | 551580 |
| gttttataaa  | acgaatatga  | gaggcgcgta  | cctggatgtc  | tttctggacg  | acttgtataa | 551640 |
| aacggaataa  | ttaagaaatc  | ggatagatag  | aatgtccctc  | gacaactaat  | ttttagtatg | 551700 |
| tgtcgagggg  | cattttttgt  | tagttcgcgtg | gaaaccgtta  | tctttgcatc  | cgcaaataat | 551760 |
| gagcaaatgg  | ataaagagtt  | acgatataat  | gacttcgctg  | gctttttgac  | gcggaagttt | 551820 |
| ccctttaagg  | tacagaaact  | gtcgggtcaac | gcagggtttta | cctgtcccaa  | ccgggatggc | 551880 |
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| cgtacggaga  | aaacagtcag  | tgtccagctg  | gaggaaggca  | aacaattttt  | tgcccgtaaa | 552000 |
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| gaacagctga  | agcggatgta  | cgaagaggta  | ctggcggtag  | aagatgtggg  | tggactcgtc | 552120 |
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| cggcagacgt  | ttttgctggg  | ggagtatggc  | atagaaagta  | ccgacgatgc  | aacgctggca | 552240 |
| aggattaacc  | ggggacatac  | atttgcttgt  | actgaagatg  | ctgtgcggcg  | gacagctgga | 552300 |
| agaggatatcc | tgacaggagg  | tcatgtgata  | ttgggacttc  | cgggagaaga  | ttccgaaaag | 552360 |
| ctgattcagc  | aggccgaaac  | ctgtcgcag   | ttgccgctga  | caaccctgaa  | gatgcacag  | 552420 |
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| gcagatctgg  | ttttggagcg  | gttcgtgtcg  | cagtcgccga  | aggaattgct  | gattgcccc  | 552600 |
| gactgggggac | tgaagaatca  | cgagtttacg  | gcccggctga  | agcgcaggat  | ggaagagcgg | 552660 |
| gacgcatggc  | agggaaaaca  | attgaagtaa  | aaaatatata  | gtatataact  | aattcggata | 552720 |
| acaaaaatgg  | aaattaaagg  | aaaagtacat  | tatgtgggtg  | tgaacgaccg  | ttcgaaagcg | 552780 |
| ttgttcgaaa  | acctttggcc  | gttaccttat  | ggagtatctt  | ataactcata  | cctgattgcc | 552840 |
| gacgatgaaa  | tggtggcact  | ggtagatacg  | gtggatgtag  | cctttttcga  | ggtgtatttg | 552900 |
| aagaagattc  | gtgccgttat  | cggcgatcgt  | aagatcaatt  | atttgattat  | taatcacatg | 552960 |
| gaacccgatc  | attctggttc  | tatcgcactc  | attaagcagt  | attatcctga  | cattgtattg | 553020 |
| gtaggaaaca  | agaagacatt  | cgatatggtg  | gaaggttatt  | acggtgtggg  | gggtgatcgt | 553080 |
| tacgtggtag  | gtgacggcga  | cttcctgaaa  | ctgggacatc  | ataacctgcg  | tttctatttg | 553140 |
| gttccgatgg  | tacactggcc  | tgaacaatg   | gttactttcg  | acgaaacgga  | tggtatcttg | 553200 |
| ttctcgggtg  | acgctttcgg  | atgctttggg  | gcactgaatg  | gtggctgtat  | cgataagaat | 553260 |

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| atcaataaccg | atattttactg | gaatgaaatg  | cgccggttact | atgccaatat  | cgtaggtaag  | 553320 |
| ttcggcaatc  | cgggtgcagag | agcattgcag  | aaatgtggtg  | gtctgcctat  | caagatgatt  | 553380 |
| tgtctactc   | acggaccggt  | atgggaggaa  | aagattcctc  | aggtgatcga  | tatgtacgat  | 553440 |
| aagatgagcc  | gctacgaagg  | tgaggaaggt  | gtggttatcg  | cttatggtac  | catgtatggc  | 553500 |
| aatacagagg  | agctggccga  | aaccattgct  | gaagagtga   | gcgctcagg   | tatcaagaat  | 553560 |
| attgtgatgc  | acaatgtttc  | gaagactcat  | cattcattta  | ttctgtcgg   | tatcttcaag  | 553620 |
| tacaagggtc  | tgattgtggg  | atgtactact  | tataacatgc  | acttgatcc   | tgaaatggag  | 553680 |
| gcattgctga  | gcaaggtagc  | tgcccgcgaa  | atgaagaatc  | gtgtgatggg  | atatttcggc  | 553740 |
| tcatttacat  | gggcaagtgc  | agctgtcaag  | aaattgggcg  | aatatgctga  | aaaactgaaa  | 553800 |
| ttcgaagtta  | tcggcaatcc  | ggtggaaatg  | aagcaaagca  | tgaaggaaga  | tactttccgt  | 553860 |
| caggctaagg  | aactggctaa  | ggctatggcc  | gaccgcttga  | aagctgaccg  | ttgattgttt  | 553920 |
| ttcagagggg  | tctgacagac  | ttgtgtgtgc  | aaaaccaata  | gtatacagat  | tatggtataa  | 553980 |
| acacataaaa  | gagccgcatc  | gaactctgct  | ttttggagtt  | acgatgcggg  | tcttctttat  | 554040 |
| ttgtattgtt  | attctctgat  | tccattgtgc  | atttgtaaac  | tatcgaaaaa  | acttgcgatg  | 554100 |
| aataatcgtg  | attaaaagat  | gcaattgtgt  | ttcaaaaagc  | actatatttg  | cgactatgat  | 554160 |
| acagaaaatta | tactccaaaa  | ataatgatcc  | cgatgtgcta  | cagcacattg  | tggaacattct | 554220 |
| gaatgatggc  | gggataatta  | tttatcctac  | cgataccatg  | tatgctatgg  | gttgtcatgc  | 554280 |
| gctgaaagag  | cgtcctatcg  | agcggatatg  | taagttcaag  | aacatcgatc  | cgcgtaaaaa  | 554340 |
| caatctttcc  | attatttgtt  | acgacttgag  | caatatcagc  | gaatatgcac  | gggtaagcaa  | 554400 |
| tgccactttc  | aagttgatga  | aacgtaactt  | gccgggccc   | tttacgtttg  | tactgaatgc  | 554460 |
| cgacagtcgt  | ttgcccacaa  | tatttcgtaa  | ccgaaaggaa  | gtaggatatcc | gtgtaccgga  | 554520 |
| taataacatt  | atccgtgaga  | tttgtcattt  | gctcgatgca  | ccgatcctga  | caactacttt  | 554580 |
| gccgttacgt  | cccaatgaag  | atatagaata  | tgttaccgat  | ccggagctga  | tagatgaaaa  | 554640 |
| atttggtgag  | gacgtcgatt  | taataataga  | cggagggtata | ggaggaattg  | aaccttctac  | 554700 |
| cgttgtaaat  | tgttgtgaag  | atgtacctga  | aattatccga  | cagggttaagg | gtatactgga  | 554760 |
| agaataaata  | atztatcatt  | aaaaaacaaa  | caagtatgtt  | attatcatct  | ttattgaacg  | 554820 |
| caactttcct  | tagtgctggg  | tctcagcata  | tagacgtaga  | acagttgctg  | actaaattgc  | 554880 |
| ttgactgggg  | aattgaggtt  | gggaaagacc  | tggtgggggc  | aattatcatt  | tacattgtcg  | 554940 |
| gacgttttat  | cattaagcag  | atcggacgtt  | tactttctcg  | tattctggaa  | aagagaaagc  | 555000 |
| tgagatcag   | cgttcagact  | ttcttgaaga  | gtctggttag  | tatactgctg  | aacctgatac  | 555060 |
| tgccctttgc  | tattgtaagc  | cggttgggtg  | tggaacaac   | cagttttgct  | gctttgctgg  | 555120 |
| cttctgccgg  | tgttgccatc  | ggtatggcat  | tgtctggaac  | tctttctaac  | ttcgcagggtg | 555180 |
| gactgattat  | tttggtattc  | aagcctttta  | aggtaggcga  | ttacatagaa  | agtcggaatg  | 555240 |
| caagcggaac  | agtacgtgaa  | attcagattt  | tccatacga   | tctggttaca  | gttgacaata  | 555300 |
| aggttattta  | tgtacctaac  | ggttcgttga  | gcagcaatgc  | cattacgaat  | tataacaagc  | 555360 |
| aggaaacccg  | tcgtgcagaa  | tgggtgttcg  | gggtagaata  | cggagaagat  | tttgaagagg  | 555420 |
| taagagaggt  | tttgcagcgt  | atcatcgatg  | cagatgatcg  | tatcttgaaa  | gacccggctc  | 555480 |
| cgatgattgc  | cttgggagct  | ctttctgcaa  | gcagtgtaga  | catcaagggtg | cgtgtatgga  | 555540 |
| cgaagtcggc  | cgattactgg  | aatgtttatt  | tcgacatgaa  | caagatagtg  | tacgatacat  | 555600 |
| tcaataagga  | gggtatcgga  | ttcccgttcc  | cacagctcac  | tgttcatcag  | gcaaaggact  | 555660 |
| gatttaagtt  | gaatttctaa  | atagaaaagc  | attttccgtt  | ccctgtatag  | aggggttgga  | 555720 |
| aatgcttttt  | ttgttggaag  | aaagtatttt  | gcaatatcgt  | tgtatcagct  | gtcgtacttc  | 555780 |
| gtctttctct  | gagggaaaat  | ccattgtatc  | gataataatc  | tgctggttat  | ggcagtcgta  | 555840 |
| tatatgaggt  | gccatgactt  | gcagggaattt | cattcgttcg  | ctgtcgaagt  | cacatatcga  | 555900 |
| aagtagtttg  | acgcactgct  | tgcaggtaat  | gcttcggctg  | ttcaatcctg  | tttccagagt  | 555960 |
| tttcaactgc  | tcggacgatg  | gaaaagcgtt  | tttaactctg  | tcatacagtg  | tattgatttc  | 556020 |
| ggcatcggtg  | tacaggcgac  | tggtgtaatg  | ttttttgttt  | aatatgcttc  | gggctttctc  | 556080 |
| ttctcctgaa  | atgaaagtca  | tgggaattgat | aatgcggtct  | acattctgcc  | ggtcaatgat  | 556140 |

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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
| cgctcggttcc | agaatagcta | atgcctccag | tcgatcatcg | tctgaattga  | atattttcat  | 556200 |
| tagctgtaca  | atttcacgcg | aggtaaagtc | agactggcgg | acagcagctc  | gaagtacgtc  | 556260 |
| cagacgtccg  | tctttgaaag | gcttttcctt | cacccgttga | tataattcac  | ggaaccaagc  | 556320 |
| ctgatcgtct  | gtaggataag | gcaatgaagg | attgcttcct | gcaggggctg  | gcgggcagac  | 556380 |
| tgctataggt  | ggatagccgg | gagacggata | attaccatcg | tacgtgtcga  | atgaaacaac  | 556440 |
| tttgtcattc  | cgaaaatcga | gtagaataac | agtttgtgct | ccactgaagt  | gcgttttatg  | 556500 |
| aaattcccat  | tgttctattc | cattgctgga | acgtctgaac | tcgggatttc  | ctaataatagc | 556560 |
| gacgacttca  | cgtttcgtca | tacctgtatg | taggttctcc | atcagttggg  | cacgttgtcc  | 556620 |
| ggcggtatcg  | taaagtccgc | aactggtcat | tgctaccagt | atggctacca  | tagtgattat  | 556680 |
| tttcattaag  | ttcttcatat | tccttattct | tttttggttg | atgttgcaaa  | aataggtaat  | 556740 |
| aaaataagga  | tagaagaata | gaaaatccta | taaatatgca | ggtaaattcc  | tatatcgaat  | 556800 |
| agggattttc  | ctatggcaaa | taggtatatg | gttggtactg | tacggttgga  | aggttagcta  | 556860 |
| aacattatcg  | tagctagtgt | tttttaagaa | acatgtgtct | agtcaataaa  | ttgcaaaactg | 556920 |
| attttgatga  | attgcttata | attgattata | tatcagaatt | gtaagagaaa  | acttgtatcc  | 556980 |
| tttcggaaat  | actcatattc | cttgtattgt | tatgattccg | gaataatttg  | aaaaataaaa  | 557040 |
| taattgttat  | atttacaatt | ttgttgcaat | attagataaa | gtttctatct  | ttgcaagagt  | 557100 |
| ttcataaadc  | attgatatat | gaacttacag | actaacttac | tattcatttt  | attattgctg  | 557160 |
| ctttcagtg   | ttgtcaatg  | tatctttggc | aattttccgt | ttgccttttt  | tgctttttcca | 557220 |
| ctggatgtcc  | ttctagcctt | gatctggatg | ggaggaatgg | gatatgtata  | taaagaaaag  | 557280 |
| cgttcctcac  | gttttgcag  | attatggctt | tccccgcagt | gtacttactg  | gaccctcggt  | 557340 |
| tggtttttgg  | ccggttgcc  | ggtgattgg  | ttgttccctc | agctttccgc  | tcaggaaata  | 557400 |
| gccgagaaat  | caggtctatt | cgttcgtttg | ggatgctatc | attttacttc  | ttcttggatt  | 557460 |
| tttgtagtgg  | ggctgttcgg | attgcttaca | catttgggaa | tgattaccct  | gaggagagca  | 557520 |
| ttcttgccgg  | gacgaaaccg | atggcgtttt | gtacttaatc | atgccggatt  | gtggttggct  | 557580 |
| ctcttcgctg  | ggttcatagg | tagtgcgga  | gagcagacac | tacgtatgcc  | ggtgtttaga  | 557640 |
| acatcgccta  | gcaatgaggc | gtttacggaa | caaggtacga | gggtgtatct  | gccgaagtca  | 557700 |
| ttacagtga   | tcacttttac | cgtagagcat | tacccaatg  | gaagtccgcg  | tcattatttt  | 557760 |
| gcagatattt  | caattgatgg | aaagcctgct | catctggaag | taaatcatcc  | gtatgcggca  | 557820 |
| agctgggcag  | aagactatta | tctgacttcc | tatgatgtac | agtcacttca  | accgcagtat  | 557880 |
| tgtgtgttc   | agattgtacg | tgagccctta | aagtttctca | tgtggctggg  | tattgtgatg  | 557940 |
| atgttgtg    | gaagtgtct  | gttgtttttg | gctggtccc  | acagacagaa  | ggcactgtct  | 558000 |
| tctgaggtg   | atgcatctg  | ttgatacgg  | gtagattaaa | ttaatgtgtt  | atgggaatga  | 558060 |
| tgattacgtg  | gaacaatttt | gagtggtttg | ccttgtcggc | cattatattg  | tggggaagcg  | 558120 |
| gtgcaggatt  | tgcttgttt  | tccaaggaac | gaagtcgctg | ggctatcctg  | ctgacattgc  | 558180 |
| tggttattct  | ggtttttgca | gtgtttattg | caggattctg | gatctatttg  | caacgtcctc  | 558240 |
| ccttgcttac  | catgggtgaa | acccgattgt | ggtattcctt | ttttatggga  | gtatccggtc  | 558300 |
| tgctgactta  | tcttcgctgg | aaatatccat | ggattttgtg | cttttctact  | gtggtagggtg | 558360 |
| ctgtatttgc  | tttagtcaat | atattgaaac | cggaaattca | cgaccagtcc  | tttatgcctg  | 558420 |
| ccttgacag   | tccatggttt | atccctcatg | taaccattta | tatgttttct  | tattccgtat  | 558480 |
| tgggctg     | ctttattctg | tcgtgcatgg | gactcttcaa | acgtcgggca  | aactacttgg  | 558540 |
| aggctgccga  | taagtgtgtt | tataccggac | ttgcgtttct | gacggtcggc  | atgcttacag  | 558600 |
| gagcgatatg  | ggccaaggca | gcctggggac | actattggag | ttgggaccgc  | aaagaaacat  | 558660 |
| gggctgcggt  | gacctggacc | ggttatttgt | tgtatgtaca | tctgcgcttg  | ttcagaagtt  | 558720 |
| cttctccacg  | tgttctttat | tggatattga | ttgtgtcttt | tctgtcgttc  | cagatgtgct  | 558780 |
| ggtatggggt  | gaattacctt | ccggcagctc | gtcaaagtgt | acatttata   | tctcgttcat  | 558840 |
| agtcttattt  | gtgatata   | ctggttgttt | aatttctaaa | tcattctttt  | atgaaaaaaa  | 558900 |
| tttcgaagat  | tattctttcc | atactggtgg | tagccgtcgt | gctttgcgtg  | gtgtaccggt  | 558960 |
| tggtgaataa  | agcaccttca | gccagcctgg | aaagtaatgc | tcaaattggaa | gaaatcattg  | 559020 |

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| agagcagtgg  | ttgtatggct  | tgccatacgg  | ctaataccgaa | gttgccctttc | tatgccggat  | 559080 |
| ttccggttgc  | aggcaaaactg | gtgaaagaag  | atgtccgtct  | gggctatcgt  | tcgtttgata  | 559140 |
| tgactcctat  | gatggaggca  | ttgaaaaagg  | gcgaaaagat  | cagtggaggtc | gattttggcca | 559200 |
| aggtggagaa  | agtgattgcc  | gacgggtacga | tgccgctggc  | taagtattat  | cttgttcact  | 559260 |
| ggggatcttc  | gctgacagat  | acggaaaagc  | agatggctct  | tgcatgggtt  | aaatctcagc  | 559320 |
| gtggagcttt  | ttaccctaata | ccgctggctg  | atgcgcaatg  | gatgaacgag  | tcaatccgtc  | 559380 |
| cggttcagga  | ttccgttccg  | gtagatatgc  | gtaaagtgat  | attgggtaac  | ctgttggttc  | 559440 |
| acgacgtacg  | tttgtcggca  | gacaatactg  | tatcttggtc  | ttcttggtcac | ggattgaata  | 559500 |
| caggtggtgt  | agacaataag  | tcattctctg  | aaggcgtagg  | cggacagttg  | ggaggtgtga  | 559560 |
| acgctccgac  | tgtatataat  | gcattgtata  | atttcgtaca  | gttctgggat  | ggacgtgccg  | 559620 |
| ctacattggc  | agatcaggca  | gccggacctc  | ctttgaatcc  | ggtagaaatg  | gcttgtaagt  | 559680 |
| cgttcgatga  | gatctgtgaa  | aagctcaatg  | cggatgcagc  | attcagcaag  | gcattccgtg  | 559740 |
| aagtgtatcc  | cgatggaatt  | aatcaggcta  | acattacaaa  | tgcaattcaa  | gaatttgaaa  | 559800 |
| aaacattgct  | gactccaaat  | tctcgttttg  | ataaatacct  | gaagggagac  | aagacagcaa  | 559860 |
| tgaatgcaga  | agaaatcgcc  | ggatatgatc  | tgttcaagaa  | atacaactgt  | gctacttgct  | 559920 |
| atgtcggaga  | gaatatgggt  | ggacagtcgt  | atgaactgat  | gggtatcaag  | cgcgattatt  | 559980 |
| ttgctgaccg  | tggtacggaa  | ctgactgtgg  | aagataatgg  | tcgtttcaag  | gaaacaaaga  | 560040 |
| acgaaagaga  | ccgtcatcgc  | tttaaagtac  | ctggcttgcg  | taatgtggca  | ctgactgctc  | 560100 |
| cttattttcca | cgatgtact   | caggctacac  | tcgaagatgc  | tgctattgct  | atggctaaat  | 560160 |
| atgaagtcgg  | tgtggatttg  | tcgcagcagg  | aggtaaaaca  | gattgtatca  | ttcttgacaga | 560220 |
| cattgactgg  | agagtatcaa  | ggcaaattat  | tgacgaatgc  | aaataatttg  | aagaaataaa  | 560280 |
| taagactata  | attattataa  | gaaaggctgt  | ctttaatttg  | aattggatgt  | agttcaaatt  | 560340 |
| ttaaagacag  | cctttccttt  | gtatcttggt  | atcttggtac  | attacgaatt  | tgactgctac  | 560400 |
| ccagcggttc  | ttttcccggt  | ggtgtacgaa  | agtcattcct  | aaactttcag  | ccttttcgcg  | 560460 |
| gatggcagga  | atatcttcta  | catagaagcc  | actcatgtaa  | agttccgatc  | ccttgatgat  | 560520 |
| gcacgcagcg  | tatgttgcca  | tatcgttcaa  | caagatgttg  | cggttgatat  | tggtatgat   | 560580 |
| aatatcgaac  | ggcttgctgc  | ccttcagcag  | cgatgcattc  | cctagttcga  | ccgtaattgt  | 560640 |
| cgaatatga   | ttcagagcga  | tgttgctcgc  | tgaattgtta  | acacaccagt  | cgtcgatgtc  | 560700 |
| gatggctgtc  | accggatcgg  | ctcctctcat  | gcttgccaga  | atagccagaa  | tagatgtacc  | 560760 |
| gcaccccatg  | tcgagtacag  | atttaccttt  | caggctcgga  | tccagtaact  | ctcctagaat  | 560820 |
| ggaactgggtc | gtttcgtgat  | gtccggttcc  | gaaggccatc  | tgtggattga  | tgacaatatc  | 560880 |
| gtattctgca  | tgtggataat  | catgatggaa  | agtactgtgt  | atcacgcagc  | ggttatcgat  | 560940 |
| gacgatagg   | tggaaaaaat  | tcttttcca   | ctcttcgttc  | cagtccttgt  | cttcgggttc  | 561000 |
| ggtaatggta  | tacgtaattc  | tcgtatcagg  | aacaggaaag  | tttgccagca  | tttctttcag  | 561060 |
| ggcattttcg  | tcgaacaggc  | tttgctgtat  | ataggcctgg  | actcctcctt  | cacattcgac  | 561120 |
| aaaactttcg  | aaaccgattt  | cgcccgccag  | tgccgacaag  | acatcggtta  | caatttcatt  | 561180 |
| gcacggctgt  | gcagtaaaag  | tgacttcaaa  | gtatttcata  | tatatggaga  | tattcggttc  | 561240 |
| gcagacaaaag | gtagtgaaaa  | tagggaaaac  | cctatatcga  | aataggggaat | ttctacttgt  | 561300 |
| acgtaacgat  | taactcttta  | attttgtaat  | tgaataaaac  | cgtataaatg  | atatgtgtat  | 561360 |
| gaaaagtaga  | atatgggctt  | cgctgctgat  | agcttgcttg  | ccgtggctgg  | ctatggcaca  | 561420 |
| gagtaacgac  | gacctttatt  | tcgttccgaa  | aaaggaaaag  | aaaacggaac  | agaaaaaaga  | 561480 |
| ggtacagtcc  | gctccgaagc  | agacttcaaa  | caatacgacg  | gtgtatgcag  | ctccgggatc  | 561540 |
| gactatcgta  | gtgaaagacg  | ttaccggaaa  | aactcgtgat  | attgatgaat  | acaaccggcg  | 561600 |
| atatacttcg  | cgcgacaata  | ctttttcaat  | gcagaatgat  | acattgtata  | tagaggagaa  | 561660 |
| gccttatgg   | gagcgcgggg  | aatgggtgaa  | cggtttcgaa  | ggttcacagg  | atgactatga  | 561720 |
| gtatgccatg  | cgaatcatac  | gtttccgcag  | tccacgttat  | gctattccta  | tcagtagtcc  | 561780 |
| gctttactgg  | gatgtagtat  | atggcgcgta  | tccgtcatgg  | gattggaata  | tttatgaaga  | 561840 |
| tggcttgat   | gcgtatattt  | tcccgcacgc  | cactaatcca  | ttatggtggg  | attggcgctg  | 561900 |

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|             |             |             |             |             |             |        |
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| gaattggggc  | gtttcaggtc  | caagatgggg  | atgttggtcg  | ggatgggtctt | ctccatggta  | 561960 |
| ttacagcagc  | tggtattctc  | cgtgggtattc | ctcttggtat  | tcgccttatt  | ggtatgatgg  | 562020 |
| ttactggggc  | ggctactggg  | gtggctactg  | gggaccagga  | tggcatcatc  | accattatcc  | 562080 |
| gtactggggc  | ggaaattatc  | gtacaggaca  | taccgactat  | cgtccgtcaa  | gatatacggg  | 562140 |
| atatacctct  | tccagacgaa  | atgggtgtagg | cgtaggaaat  | actagtcgat  | atataaatac  | 562200 |
| gtcttcacgg  | agaagctctt  | cttcaaatat  | aggctgtgta  | gtacgcccgg  | gaagtggcta  | 562260 |
| tgaacatacc  | tcgaactctg  | tacgtccttc  | tgttgaggga  | ggttccagct  | tccagcctgg  | 562320 |
| tagcggttct  | tctgttactc  | gtccttcacg  | tggaaacggt  | tcttatgtac  | gtccaagtag  | 562380 |
| tacggtggat  | cgtacagggt  | ctacctacaa  | tcgtccgagc  | agtacccgac  | gcagttccag  | 562440 |
| ctataactcg  | aatacacggt  | ccagcaatgg  | ctattctact  | cctcgttaatt | caggtagttc  | 562500 |
| tttctccaga  | ggaggttagca | gcttcaatcg  | tggatcgtcc  | ggtagcttta  | accgtggatc  | 562560 |
| gtctgtaggt  | ggaggttctt  | cacgttccag  | ctccagaggg  | ggaggttcaa  | gcagaagata  | 562620 |
| aaaatgtcaa  | atagaagatt  | gtttggatta  | tgaanaagaa  | aataatgggt  | ctgattgtgg  | 562680 |
| caggtgcact  | ggcttctgcc  | gcagcagcac  | aaaatcaata  | tgatgcactt  | cgcttttttag | 562740 |
| gaaatgatgt  | gaatggtagc  | gcccgttttg  | caggtatggg  | agggtcaatg  | agtgcactgg  | 562800 |
| gtgctgattt  | gtctaccatc  | ggtacgaatc  | ctgcgggtat  | cggactttac  | cggagtaacg  | 562860 |
| atgtggcctt  | gagttttggc  | tttaatgcca  | ataagtgcga  | cagtgatattt | agcggcagcg  | 562920 |
| tgatggacga  | aaagcgtaat  | cgtgcttcgt  | tcgaccaact  | tggtttcgta  | tggagtacga  | 562980 |
| agattggtaa  | taagaccgat  | ttgagatttc  | tgaactttgc  | gttcaactat  | cataaactgg  | 563040 |
| tgaattttaa  | ccgtcagttt  | gcacgaaaag  | ggggactgaa  | cggtaactca  | ctgacctggc  | 563100 |
| agatgtctga  | tatgattaat  | ggagccggat  | atcagaacaa  | aacaaatttt  | gatgctctgc  | 563160 |
| tggatgctgg  | taaccctgat  | acggaaagta  | cgtttttacaa | tactccttat  | ttaggcgcca  | 563220 |
| tgggtgctcg  | taccagggtta | gtatatatag  | gctggaatga  | tctaggaaat  | attacccgta  | 563280 |
| tttatgggtg  | ggaaggtcct  | gatggagaat  | attacagccg  | cgagacagga  | tctatcaatg  | 563340 |
| aatatgattt  | caatgtttct  | ttcaatatct  | gcgaccgctt  | ttatttttggg | gcaacatttg  | 563400 |
| gcgtatacga  | tgtagattat  | ctgcgttatt  | cttcttatgg  | cgagaatatg  | caaagatcaa  | 563460 |
| gcggtaaacta | tcagggtaat  | tttactactga | acaatacgtta | taagactgaa  | ggtacaggac  | 563520 |
| tggattttgaa | ggtgggtgcc  | attatccgtc  | cgttcgaata  | ttctccattc  | cgtttttggtc | 563580 |
| tggctataca  | tacgcctgtc  | tgggtacaata | tgtccgaccg  | ttactacttct | gtcttgacaa  | 563640 |
| gcaattttagc | attgggtaat  | tctacatcca  | gctatactga  | aaatctgatg  | gactatctga  | 563700 |
| gcggtggaca  | atatgcctgg  | gattacaggc  | tgatcactcc  | gtggcgtttc  | aacgtcagtg  | 563760 |
| ccggtactgt  | agtgggtggg  | atcatggctt  | tggatgccga  | atatgaattt  | gaaagttatt  | 563820 |
| cgtctaccaa  | gctacaggat  | tatgaaggct  | gggaactgaa  | tggtcaggct  | gccgtgaagg  | 563880 |
| aaaccttgaa  | aggagttcac  | tcgttccgtg  | taggtatgga  | aacaaaagtt  | tcacgcggctt | 563940 |
| tcagtgtgcg  | tgccggatat  | catttccgtt  | cgacacctat  | caagagtgat  | gcgtttaaga  | 564000 |
| atattccggc  | taccgataat  | actcgtaccg  | atgccgagta  | cttgaatctg  | aaatcgcgtc  | 564060 |
| aggcagtcag  | tgtcggactg  | ggttacagag  | gacgtctgat  | ttatgcggat  | gtagcttata  | 564120 |
| agtacgattt  | ttacaagggg  | gatttctatg  | ctttcgtatg  | cggaatagat  | caggcaggaa  | 564180 |
| acttgatgtt  | agcgcctacc  | aaagtgaaca  | atgaacgtca  | tcaattgtta  | tttacagtag  | 564240 |
| gagtacattt  | ctaaataata  | gaatttaaat  | tgtgtgtgtt  | tatctgcttc  | accgcgggca  | 564300 |
| atggtggttg  | cctgtggtga  | agttttttta  | ttgcttctgt  | tctctgtatt  | ctttcttttt  | 564360 |
| ccagaaaattg | aatcctacat  | atatacgcag  | gctgccaaag  | gaatttgtca  | tcgaaaagtc  | 564420 |
| tgacttgccg  | taatcgtacg  | tattcagtag  | gagtgaaggca | cccacgtaat  | atgtgtgtgt  | 564480 |
| gttccagggtg | ataccggcac  | gagtcaccag  | atcgaagtgt  | atatcattga  | tccattccat  | 564540 |
| ccggttggtt  | tccatttcag  | ctggctgtcc  | gttcagtttt  | gctttcttgt  | aggctatggc  | 564600 |
| aggcatcagt  | gacacattca  | gcaggcagtt  | tttggcaaat  | accagtttgt  | accggtatcc  | 564660 |
| gaagctgaga  | ttaaagtcgc  | ggtactccag  | tttgttgaac  | ttaagtgtag  | accggatttg  | 564720 |
| ttcaatcatg  | tcggcgggta  | acttggtagt  | gtcgaaggat  | atgctgtggg  | gtgagtaaga  | 564780 |



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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
| aaaccctgcc  | ataaatgagc | cacagctacg | tcgctggttg | gtagactggc  | tgtaggcagc  | 564840 |
| agggtatgaa  | aatttcttat | tattgaaaat | ccagtaggca | ttcagtccta  | taatcttgct  | 564900 |
| ttggaatcct  | tcgaatttgc | gtccctcgta | gtcttcaggc | aggttaaaac  | ccgaatagga  | 564960 |
| cgcaatatgg  | aagtcacttc | cggttttccg | gtaatacaaa | tcgactccta  | cacgcgagct  | 565020 |
| gtataaattg  | aagacatact | cttttttcga | ttctccgcta | tgaccttttc  | ctatcagttc  | 565080 |
| cggataactg  | aatgatattc | ccagaaagat | ccatcgccat | ccgaaataag  | cacctatctt  | 565140 |
| gggtgttgga  | gtaggagcaa | acgtaatat  | ctgccgctga | ccgtctatac  | gtgtaccag   | 565200 |
| cttgtagcgt  | tcgtgccaga | aactttgttc | tatcatgaaa | gctaggttgt  | atgtgtggg   | 565260 |
| cgcaatgtaa  | gtagtatctg | tttactaaa  | tatttttccc | aagcgctgca  | tgaatgtctg  | 565320 |
| ctgcttttcg  | ttctgtccgt | ataaagactg | agcggaagc  | agcaataaga  | taaagatatt  | 565380 |
| tcgtaatagc  | ttcatgcggt | ttgtcagggt | gaaaataata | cagtgaagaa  | aaggctcaga  | 565440 |
| gcttgttcag  | gatgcggtcc | atcaccaggt | tggtgggagt | ggcgcttacc  | ccgtcgcaag  | 565500 |
| tgcataatagc | ttttccttgc | agatgttcta | ctacagcctg | aatcagcgga  | agctgtacat  | 565560 |
| aaggtggatt  | ttgaggaagt | atcttctcac | gtccgcgttc | ggtatgcaga  | gctatcggat  | 565620 |
| cgtacgtaaa  | gacagagaaa | caaatacatc | ccttgtcacc | gatgatttcg  | atgcggtctt  | 565680 |
| cctttgctga  | ttcgtgagca | acgaaacacc | atgatcctga | tccgggtagt  | ccggatgcaa  | 565740 |
| acttaaagca  | ggcactgatg | gtatcttctg | cctgataaag | tccaccgcgg  | ttgctcttgt  | 565800 |
| atccttcggc  | ttcgagtatg | cagccaaaca | tttctgcaa  | gagatccagt  | tgatgaggtg  | 565860 |
| ccagatcgta  | gaagtaacct | cctccggcaa | tatccggctg | gacacgccag  | ggtaagttgg  | 565920 |
| tgctgttgta  | gtcgagtgtc | cgcgagggtc | ggcgaaacg  | tatctggacg  | ttgatgacat  | 565980 |
| ttcctatttc  | tccttcttct | accagttggc | gtactttctg | gaagtatggc  | aggtaacggc  | 566040 |
| ggtaataagc  | tacaaaacag | ggaataccgg | tttctgcca  | gatgcggttg  | atgcgggcac  | 566100 |
| aatcttcgta  | gctggctgcc | atcggttttt | cgatatagac | aggttttcct  | gctttcattg  | 566160 |
| ccatgatggc  | gaaagtagca | tgcatgagg  | gaggagtggc | aatgtaaata  | gcgtttacat  | 566220 |
| cttcacgcgc  | tatcagttcc | tgagcatcgg | tataccatcg | cggaatgttg  | tgctcggcgtg | 566280 |
| cgtacgattt  | tactttttct | tcatacggc  | tcattacagc | tacgactttc  | gaaccgtcta  | 566340 |
| tcattgtgaa  | ggccggacca | cttttctttt | ctgtcacttc | accacaaccg  | atgaaccccc  | 566400 |
| agtgtacatt  | atctaatttt | atcatagcta | acgggtattg | ttaaagtatt  | tattatataa  | 566460 |
| gtttttgtat  | gctttggtct | ggataaaact | gtccatccac | acgttcagac  | tgtccagcag  | 566520 |
| ggcaggagag  | tgcttgctta | ctccccaggc | ataaaactgg | gtgaagctga  | tgtctgtatt  | 566580 |
| tatatccaga  | ttcggaat   | cgtctataga | cgcttgggct | atgttttcat  | cgcatactgc  | 566640 |
| atagtcgatg  | tctccaccgg | aaaccatggc | cagcaattgt | tcggggccgt  | acaaatcaac  | 566700 |
| ctcgtcgata  | tagattgtat | cggctatttc | actgataagg | ttatggatac  | gcaacaaggc  | 566760 |
| aggagagcct  | ttgatcacgt | gaagatgttt | attggctagg | tcgagctggg  | tatggatata  | 566820 |
| caagctgtcc  | tttccctctt | cttttttccg | ttgtaccaat | acttgtttgc  | tcaacagcaa  | 566880 |
| tgtccgggtg  | aaaagcagcg | aatctttcag | ctgtgtggtt | acgacagttc  | cagttgccag  | 566940 |
| aatgtcatat  | tgtccgctga | taagtccttt | cagccgcttc | tcgaaactca  | tttcaggggt  | 567000 |
| aattttccagt | ttcaggcctt | tttcggatgc | gaaaagggtc | agtaattcgt  | aatcaaattcc | 567060 |
| ctgcaaggta  | tcttctgtta | catgatagct | tacggcattg | tattcggtta  | ccgcacgaag  | 567120 |
| aatccccgaa  | ctggctatct | cggcatagtc | gcgtggagag | aaaacgggtc  | gttgctcttt  | 567180 |
| ctgcgtgttc  | agtatgataa | cgctgtctgc | gatggccagg | gctataatgc  | catatcgtaa  | 567240 |
| ccaatttttt  | ttcatagtca | cattgggtta | atcgaagaaa | ttccatgaca  | atccgaattt  | 567300 |
| cagcaagcga  | ggattcagcg | ggtagtgagg | agccaggaaa | tagctctttt  | ctccttgtcc  | 567360 |
| ttgaatcagg  | ttgtacatgg | ctatgaagat | acgtgtacgt | ttcagggtga  | gattgatata  | 567420 |
| tccgttcaac  | agcgggtaac | cgccaggttt | gtagcgggtc | tctttgttct  | gcaataaaaa  | 567480 |
| ttgtccgata  | gccggagcat | aatcgggtgc | ataatactgt | gtgaagtaac  | gtacatctgc  | 567540 |
| tcccatctct  | atgtgcagca | ctttcttcgc | caaaccgaat | ttgatataata | aattgtggta  | 567600 |
| gagagtcagt  | tccggtaacg | gaaggacatc | ctgattactc | gatttctgat  | aagtaatttc  | 567660 |

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|            |             |             |             |             |             |        |
|------------|-------------|-------------|-------------|-------------|-------------|--------|
| attgtcgaga | tggaagatac  | ccagcttgaa  | atcttgtctc  | agagctgcac  | tgaagacttg  | 567720 |
| tgtgttgccg | gaattttgtt  | ttacagctac  | gtcgttcttg  | taagtcgtga  | cttctttacc  | 567780 |
| tgaagacgtt | tctgtatatt  | ttacagaagt  | attatccagg  | tacgtatagt  | tctttatatt  | 567840 |
| ttctactccg | gctttaagct  | gggttttcca  | gcggtctaca  | ctcagctttc  | cttcgattcg  | 567900 |
| ggtacgcatg | attttagaca  | aatcgttatt  | atcccaccag  | taatgtttgg  | agtggaaatg  | 567960 |
| tctgtagtaa | aaaatcggat  | tcaggttttt  | gatataagca  | ttggcttcca  | gacgcaccgt  | 568020 |
| atcactgaac | agacggaagt  | tcaggtcgcc  | tttaccttgt  | atctgaaatt  | gtccggcatc  | 568080 |
| ttctcctaca | agagcgattt  | ctcccattac  | gttgtagtgt  | aaggctctgtc | cctgttcctt  | 568140 |
| aatgagttga | ccacctgctg  | aaatcgattt  | ttccacatag  | tcggtaggta  | tgcgctgacc  | 568200 |
| aggagtgcgg | gcaagggtat  | cggtcattgt  | aaaacgtctg  | tattcatgac  | tcaggaaagc  | 568260 |
| cgtcagtcct | gcctttgccc  | atttgttgaa  | tccttcacgt  | aaagatatgc  | cgatagtatt  | 568320 |
| ttttacagcc | agttgttctg  | tttcgtcacg  | ctgcacatcg  | gtaaggtaat  | tgttctggaa  | 568380 |
| atattgctgg | ttttgagcct  | cgctgtagga  | aatatattta  | cgacggttga  | tgtctacctt  | 568440 |
| gacggtatgc | aggaagctcg  | ttacaggaac  | aaatatttct  | gtgttgactg  | tatcttttagc | 568500 |
| atccggattt | tcacgataga  | atcccacgtt  | ataacggtga  | gtcaaaaaag  | cgtgatagcc  | 568560 |
| cgtattatgg | ttccatacct  | gcgacagggt  | agtcggaatt  | tcattcattgg | catatacctt  | 568620 |
| tccgccttct | gccatgtcca  | gcggacgggt  | aacataccgg  | tcgtctacaa  | tacctccgtt  | 568680 |
| ctcggcaact | ttcaggttgt  | cattgatgaa  | actgaaatgc  | atgttgtatt  | tatcgccgag  | 568740 |
| gtagtaggca | aaaaggtttc  | cggtgaacaa  | ggctgtagac  | tggttcatgt  | atthttccacg | 568800 |
| tccatataca | tagtcgatgt  | tgaatccgaa  | tcccagtcgt  | ttgtttgcat  | tgacggcaaa  | 568860 |
| ataagccttg | aaacgctctt  | ctccgtcaga  | gcttctctct  | tgctttagtg  | aagtaagatt  | 568920 |
| ggtgaaagga | gatttgggtg  | tggatatatac | cacgtcttcc  | ggttcgacga  | cggtaaagtc  | 568980 |
| gtaaggatcg | aggaaaaaaga | attgctcggg  | gtctttccgc  | tcgaaaaaga  | catgtgagat  | 569040 |
| acgaggggaa | cccaagtttc  | ccaagtattg  | ataatgaccg  | gttggctcctc | ccgtgtcgtt  | 569100 |
| cgtatttttg | aaatcatgct  | gtaaggatc   | caccggcact  | tcggtcatat  | tgccgaactg  | 569160 |
| gcggtctatt | ttccagcaag  | ataatccgat  | aggaatggta  | ctggcatcaa  | tcacagagggt | 569220 |
| tgtatcaatc | gggtttccgt  | tgcggtcgta  | caagttactg  | tccgttcccg  | aagcggaaact | 569280 |
| tccgaactgc | cttgtgaact  | gcccttgctg  | gtaggtgttt  | tgtgcggaaa  | tcgtaccgca  | 569340 |
| aatcagtaat | attatagcta  | taaaaaatat  | cttcttcata  | atggaggcaa  | agatacaatt  | 569400 |
| taaaaacgaa | agaaaccgtg  | tgcaaagtgt  | aaaaatacta  | gaagatatat  | tgatacaaaag | 569460 |
| gcgcgcggaa | tctttcttta  | aaaaggactt  | ccgtgcgcct  | gcgcattttg  | aggttgtatg  | 569520 |
| gataaataca | gttatttcat  | ttctttgata  | atatccatac  | cgatatggat  | ggcttcttca  | 569580 |
| ttcatcggtg | tcaggtgggtg | atggcggtcg  | ggcagtgctc  | tgtgtaatgc  | cttgatgacg  | 569640 |
| ctttctattg | aaacgatcgg  | acgtattttc  | aacaggccgc  | ccagtacgat  | catgttgaat  | 569700 |
| gtcttagcca | tttttcgttc  | gttggtctcg  | tccatggcat  | cgatacgata  | cacatggata  | 569760 |
| tctttacgtg | tcggcggatt  | gataataccg  | taaccatcgt  | aaatcagtac  | acctccgggt  | 569820 |
| tttaccttgt | tctcgaattt  | ggcaagcgaa  | ggctggttca  | ggatgatggc  | tgtatcgtat  | 569880 |
| ttgctcaaga | tcggagagga  | aatgcgttcg  | tcgctgatga  | tgacggttac  | attggctgta  | 569940 |
| cctcctcgct | gttcaggacc  | ataggcaggc  | atccagggtga | cttccttgtt  | ttccatcagt  | 570000 |
| cctgaataag | ccaggatttt  | acccatcgac  | aatacacctt  | gtccgccgaa  | tcctgctata  | 570060 |
| atgatttctt | ctttcatgat  | agttcttttt  | tgatgatttt  | atthgttttc  | tccgcttgta  | 570120 |
| tctttcaggt | cgcccaacgg  | gtagaacggg  | aacatgtttt  | cttccatcca  | tttggttgga  | 570180 |
| ccttcgggtg | tcatttttcca | tccggagtta  | catgttgata  | cgatttctac  | cagatttgac  | 570240 |
| cctttaccct | gcaagctgtt  | ttcgaaagcc  | ttgcggattg  | cttttttagc  | cttgcggtatt | 570300 |
| gctgctaccg | tatgaacggc  | ctgacgggtg  | acatagcatg  | tcccttgtaa  | agtggctgct  | 570360 |
| atttctgtca | tcttcaacgg  | atagccgtgt  | atthccggat  | ttcgtccata  | agggcagggtc | 570420 |
| gctgttttca | ttcctatcag  | cgtgggttgt  | gccatttgtc  | ctccggtcat  | accgtatatg  | 570480 |
| gcattgttga | tgaagataat  | agcgatattg  | tcaccacggt  | ttaatgcgtg  | gattgtctcg  | 570540 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gctgtaccga  | tacaagccaa  | gtcaccatct  | ccctgataag  | taaataccag  | ccggtccggc  | 570600 |
| cacaggcggt  | tgatggcacc  | ggctagagca  | ggtgcacgtc  | cgtgagctgc  | ttccagacag  | 570660 |
| tctatgtcaa  | gatagttata  | catgaatacg  | gcacatccca  | ccggactgat  | tccgatggcc  | 570720 |
| ttttcttcca  | tgcccatttc  | ttctataact  | tcggctatca  | gtttgtgaac  | tactccgtgg  | 570780 |
| ctacatcccg  | gacagtagtg  | catcgggtta  | tcattcaata  | aacgaggctt  | ctggtaaacc  | 570840 |
| agattctcgg  | gcttcattat  | atcttctttt  | gtcataaata  | tctcctcctt  | gtcgggtag   | 570900 |
| cgtagaaaaga | aacggaacac  | aaattccatc  | atctttacga  | acagcgatgc  | gccgcataca  | 570960 |
| taaaagaaaa  | tggttttatc  | atctcccaat  | gagaagtaga  | ggatgaaaga  | agctacggct  | 571020 |
| cctatcatga  | atatcacatt  | gagtacgggt  | ctgatctgat  | ctatatggcc  | cataagtttc  | 571080 |
| ttacttggtta | atgatttttt  | cttttaacgc  | atcgatgact  | tcacccggat  | cagggacgat  | 571140 |
| acctcccaga  | cgtccgaaat  | gttcgacggg  | gacactgcat  | tttactgcca  | gttccacatc  | 571200 |
| ttcaatcatt  | tgtccgctgt  | tcagttccac  | aacaaggata  | ccttttacct  | gttttagctct | 571260 |
| ttcggccaaa  | ggtttgcttg  | ggaacggcca  | taagggtgata | ggacggaaca  | atccgacttt  | 571320 |
| gatgccttct  | tcgcgtgcat  | gttccattga  | tttctgtgcg  | atacgtgcac  | atgagccaaa  | 571380 |
| ggctacgatc  | agatattcag  | catcttcgca  | gtctatttct  | tcatagcgta  | cctcattggc  | 571440 |
| ttctatttct  | gcgtattttt  | cctgcagggtg | aatatttcgt  | ttttccatta  | tggcagggtc  | 571500 |
| gagctccagt  | gaagtgatga  | tattgggttt  | gcgtcccttg  | catcctgtag  | cagcccatgg  | 571560 |
| gcactgtgca  | atgatttctg  | cttctgtacg  | tcgcgacggg  | ggagctggaa  | gtacgacctt  | 571620 |
| ttccatcatc  | tgaccgatta  | caccatcggc  | aagaatcatg  | gccggattac  | gatatttgaa  | 571680 |
| agccagttca  | aaggcaagtc  | ctacaaagtc  | tgccatttcc  | tgaaccgaag  | ctggtgccag  | 571740 |
| cgtatcaga   | tgatagtcac  | cgtgtccgcc  | accttttgtt  | gtctggaaat  | agtcagcctg  | 571800 |
| actgggctgg  | atagttccaa  | gtcctggacc  | tccacgcattg | acgttccacta | ccagacaggg  | 571860 |
| caattctgca  | cctgcaatgt  | atgagatacc  | ttcctgtttc  | aggctgacac  | ccggactgga  | 571920 |
| agatgaagtc  | ataaccattt  | tgccgcttcc  | ggcacctcca  | tataccatat  | taattgctgc  | 571980 |
| aacttcactt  | tcggcctgta  | atactaccat  | accggtagtt  | tcccacggct  | tctgttcggc  | 572040 |
| aagagtttcc  | aatacttcag  | attggggagt  | gatagggtaa  | ccgaagtatc  | cgtccacacc  | 572100 |
| aaagcggata  | gcagcatgag  | caatggcttc  | gttacctttc  | attagaacta  | cttcttctgc  | 572160 |
| cataattttg  | attgttttagc | ttataagcac  | tttaaattta  | ttcttcacat  | tttgctctgt  | 572220 |
| atacgggttaa | gcaaccgtcc  | ggacacacga  | tagcgcacga  | agagcatccg  | ttgcagggtat | 572280 |
| cttctacaac  | ctgctgaacg  | taattatatac | ctttttgatt  | tactttggcg  | gtgagcgaca  | 572340 |
| gtacgtgtaa  | cgggcaagct  | accacgcaca  | ggttacaccc  | tttgacgcgt  | tctgtattca  | 572400 |
| ctacaactac  | acctttcatt  | ttagccataa  | gtcaattacc  | ttattgatta  | aacatatctt  | 572460 |
| tattataaaa  | attgagaata  | tccatcacca  | tattccgagc  | ttcggctgcc  | ggactctccg  | 572520 |
| gattcaaagc  | gatagcttcc  | tgataattat  | tcaaggcacc  | ttgccagtca  | ccctttttcc  | 572580 |
| ggaaagcatt  | ccctaataga  | taatatgctt  | ctgctgcata  | ttcgggattt  | tgggttgatga | 572640 |
| attgattcaa  | ttggtcgatt  | gcatgttctg  | tagtgccttc  | ggctattaaa  | tttttaattct | 572700 |
| ctttcagctt  | ttcgggtcatg | gttatgaatt  | tactagtcta  | cctacaaaga  | taaaagtttat | 572760 |
| tttcaatcga  | atctgaattt  | tagacaatta  | tttcctctaa  | atagatgaaa  | aaaaattttt  | 572820 |
| gatgttggcg  | caatttggtg  | atatataaat  | ccttataggt  | atgccaaaaa  | tgtttcattt  | 572880 |
| gaaaaagttg  | tttatgtaat  | tatatgggcc  | ttttcagccg  | aattgagagc  | gatttgaagt  | 572940 |
| gttttgtaaa  | acaatattcc  | attcattata  | tttgaaacag  | cctgaatttg  | taaatgggaa  | 573000 |
| aaaatggctg  | taaggcaaaa  | aaaacagtgg  | atttaagcct  | tttattagaa  | aattttatatt | 573060 |
| tactttatga  | aaacttttca  | gttttttaatt | cttgattgat  | atttactgac  | tattatgttt  | 573120 |
| ttaattttata | agtaattgca  | tttatgaaaa  | tcaaattatt  | gttggtgctg  | acggtagcat  | 573180 |
| gtgtattggg  | cttttcttca  | tgctcaaatg  | aatcgggtgaa | aactatccct  | gtatatgggt  | 573240 |
| ggcagggaga  | aggagaagaa  | gctacggaag  | catctatcca  | gtccgatttc  | cagaaatgga  | 573300 |
| aagaccacgg  | gctggttaggt | atatgtttata | atgcgggtgg  | tttcaatgta  | gagaaacata  | 573360 |
| ctcgtgcggc  | aaagatagct  | catgctaccg  | gattggaata  | tcatgcatgg  | attcctgcca  | 573420 |

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| atacgggtgca | ggcctatggt  | ccttattata  | aatgtatgtg  | tccgaataat  | ccggatgtca  | 573540 |
| tcaattatct  | ggtaactgaa  | tatagcaaga  | ttgcagaaat  | accggatgtc  | gatttcgttc  | 573600 |
| atttggatta  | tatccgctat  | gtagatgtca  | ttctggctcg  | cggactttgg  | gaaaaatatg  | 573660 |
| gtctggatgat | gaacgaagaa  | tatcctacag  | ccgattattg  | ttactgcgac  | aaatgtgttg  | 573720 |
| ccgatttcaa  | ggctgaaagc  | ggtatcgata  | tcaaggcagt  | ggaagaccct  | tctacttgcg  | 573780 |
| aggaatggaa  | gcagttccgc  | tataaccgta  | ttaccaatct  | ggtaaataaa  | attgctggctg | 573840 |
| cggttcatgc  | taagggtaaa  | aaagtcagtg  | cagctgtatt  | ccccgggtccg | gattcttatg  | 573900 |
| caaagaaact  | ggttcgtcag  | gaatggaata  | aatgggatat  | cgatgccttc  | ttcccgatga  | 573960 |
| actacaacga  | cttttatttg  | gaaccggctt  | cttgggtttg  | agaaataacc  | aaggaagaag  | 574020 |
| ttacttccgt  | aaacggtaaa  | aagcctatct  | acagtggctt  | gtttattttgt | cacgactggc  | 574080 |
| agaacaaggc  | aaatatcaaa  | gatccggaag  | gtcacggctt  | gattccatct  | gaaatcgggtg | 574140 |
| aagctgtacg  | tgggttcgatt | gaggccggag  | ctgccggagt  | tgcattgttt  | actccagcca  | 574200 |
| acatgaccga  | cgagcattgg  | gctgaacttg  | ataaagctat  | taagggaaaa  | taatgatacc  | 574260 |
| gtcgtagtga  | tataaataaa  | ggtataacga  | taaggaaatc  | tccttcggac  | tctttcggga  | 574320 |
| atccggagga  | gattttttatt | tttacaatagc | atccggctgg  | cagctttttgt | tatatatttc  | 574380 |
| cttgcgaata  | gtatgttgta  | ccatagtggg  | acgattgctt  | cactataatg  | aagcgttatt  | 574440 |
| ttcactaaag  | tgaacgatc   | gcctcaccta  | tgtgaaacga  | ataatatgtg  | cagaagtttg  | 574500 |
| attctgacta  | taatcgagtt  | tactctatcc  | tttggtatct  | ttagccgaat  | ttgctttaca  | 574560 |
| ctttcctttc  | gtcgcacgtt  | aggttaggca  | ttgaatttct  | gttttttaaag | atttcttttg  | 574620 |
| gtattatttt  | atttagtgat  | aactttgcaa  | aatatagtga  | attgcaaaaa  | ataactaact  | 574680 |
| tatagtacga  | ggagatgaat  | aaaattatct  | caaaagaaca  | tttttcagaa  | aaggttttta  | 574740 |
| agctggtaat  | cgaagctccc  | ctgattgcca  | agtcacgtaa  | agccgggtcat | tttgtgatcg  | 574800 |
| tacgtgtagg  | cgaaaaaggc  | gaacgtatgc  | ctcttaccat  | tgcagaagcc  | gatcccgtaa  | 574860 |
| agggaaacgat | tacgtttggc  | gtacaagagg  | tcggtttgtc  | atcgactcgc  | tttgtgtgaa  | 574920 |
| tgaatgaggg  | cgattatatc  | accgatgtgg  | tagggccgct  | gggtaaggca  | acccatatcg  | 574980 |
| agaacttcgg  | aacagtagtt  | tgtgcaggag  | gtggtgtagg  | agttgctcca  | atgctgccta  | 575040 |
| tcgttcaggc  | cctgaaagct  | gccggaaacc  | gtgtcatcac  | tgtattggca  | ggtcgttcta  | 575100 |
| aggaactgat  | cattttggag  | aaagaaatga  | gagaaagtct  | ggatgaagta  | atcatcatga  | 575160 |
| ccgacgatgg  | ttcgtatggc  | aagaagggtc  | tgggtgacgga | aggtattgaa  | gaagttatca  | 575220 |
| agcgggaaaa  | ggtcgacaaa  | tgttttgcca  | tcggtccggc  | tatcatgatg  | aagtttggtt  | 575280 |
| gtctgcttac  | taaaaaatat  | gagattccta  | ccgatgtttc  | actcaataca  | ataatggtag  | 575340 |
| acggtacagg  | tatgtgcggt  | gcatgccgta  | tcacggtagg  | aggtaagaca  | aaattcgttt  | 575400 |
| gtgtagatgg  | tcccgaattc  | gacggacatc  | aggtcgattt  | cgacgaaatg  | ctgaagcgta  | 575460 |
| tgggagcgtt  | caaggacatt  | gagcgtgaag  | agattcataa  | gttggaacggc | acacagcctg  | 575520 |
| atgctgtgta  | agcagtaaaa  | aagtcggacg  | accgtaatgc  | tccgtggcgt  | gcggaattgc  | 575580 |
| gtaagtcgat  | gaagccgaaa  | gaacgtacgg  | ctattccgcg  | tgtcaagatg  | aacgaactcg  | 575640 |
| atccggaata  | ccgttctcac  | agtcgcaagg  | aagaagttaa  | cctgggattg  | aatgaagaac  | 575700 |
| aggcattgac  | cgaagctaaa  | cgctgtctgg  | attgtgccaa  | tccgtcgtgt  | atggaagggt  | 575760 |
| gtccggtggg  | catcaatatc  | cctggattca  | tcaagaatat  | cgaacgcggg  | gaattcctcg  | 575820 |
| aagcagctcg  | cgtactgaaa  | caaacaagtg  | ctttgcctgc  | tgtgtgtggt  | cgtgtctgcc  | 575880 |
| cgcaggaaaa  | gcagtgtgaa  | tcaaaatgta  | ttcatctgaa  | gatgggacat  | gaagcagtg   | 575940 |
| ccatcggtta  | tctggaacgc  | tttgagcccg  | actatgagcg  | tgaagcgga   | cagatttcgg  | 576000 |
| ttcctgaaat  | agccgaaaag  | aacgggtatta | aggtagctgt  | tgtcggttcc  | ggacctgccg  | 576060 |
| gattgtcgtt  | tgccggcgat  | atggcgaagt  | taggttacga  | tgtgaccgtg  | ttcgaagctt  | 576120 |
| tgcacgaaat  | cgggggagta  | ttgaagtatg  | gtattcctga  | attccgtttg  | ccgaacaaaa  | 576180 |
| ttgtcgatgt  | agaaatcgaa  | aacctgtcga  | agatgggcgt  | acagtttgtc  | aaagactgta  | 576240 |
| tcacgcgtaa  | gactatcagc  | gtagaagaac  | tggaacagga  | aggctataaa  | ggagtgtttg  | 576300 |

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| tcgcttccgg  | agcgggactt  | cctaacttca  | tgaatattcc  | gggtgagaac | tctatcaata  | 576360 |
| tcattgtcgtc | caacgaatac  | ctgactcgtg  | tcaacctgat  | ggatgcggca | agcgaagatt  | 576420 |
| ccgatacacc  | ggttaccttc  | ggcaagcgag  | tagccgttat  | cgggtggagg | aatacagcta  | 576480 |
| tggactctgt  | tcgtaccgct  | cgtcgtctgg  | gtgcagaaaa  | agccatgatt | atctatcgtc  | 576540 |
| gctctgaagc  | agagatgccg  | gctcgtctgg  | aagaagtga   | acatgctaag | gaagaaggcg  | 576600 |
| tagaattcct  | gacccttcac  | aatccgatcg  | aatacatcgc  | cgacgagaaa | ggtcgtgtaa  | 576660 |
| agcaggtgg   | attgcagaag  | atggagctgg  | gtgaaccgga  | tgcttcagga | cgtcgtagtc  | 576720 |
| cgttacctat  | tccgggagca  | gtagaaacca  | tcgatatcga  | tatggccatt | gtcagtgtag  | 576780 |
| gtgtatctcc  | gaatccaatt  | gtgccgcatt  | ctatccctgg  | actggaactg | ggacgaaaag  | 576840 |
| gtaccattgc  | cgtaaacgag  | aatatgcagt  | cgtctatacc  | gactatctat | gccggaggag  | 576900 |
| atattgtacg  | tgggtggtgct | acgggtattc  | tggccatggg  | tgacggacgc | cgtgcagccg  | 576960 |
| ctgccatgga  | taagcagctg  | cgtggataag  | gaaactctca  | ggatgcgtat | cgaatgacaa  | 577020 |
| acgcacagc   | agaagctctt  | gattgtcagc  | atggaatcat  | ctgaaaacgg | ctctccaaac  | 577080 |
| tcgatgtgag  | gagaaatgaa  | gttttaggct  | ggaaccagat  | gatttgacat | ataagaaaga  | 577140 |
| ggccgtctca  | aaatagaatt  | gcaaaagtaa  | aaatcttata  | gattgcaact | tagaagtaaa  | 577200 |
| aaatctccta  | cttttagtcc  | tgtaatataa  | gaaaacaaag  | actaaagtag | gagattttta  | 577260 |
| tgtttagtct  | gatagattat  | aagtaaacct  | gtctcagctt  | ttcattttga | tgcagctcat  | 577320 |
| attttgtttt  | tctgttagta  | acgatctttt  | gtcatcttac  | ctgtttctgc | ccgtcatccg  | 577380 |
| aagaagctca  | agtatcattt  | ggacacattc  | ctttctaaaa  | atagagtttt | gtatcctctc  | 577440 |
| agtttttccc  | tgttgtaaaa  | attgttactt  | ttgtaacaca  | ataattatca | tgtgaagaga  | 577500 |
| ctaaaaatatt | atgaaaaaac  | atcttttatt  | gggccttttg  | ggagcctgta | cactttcttc  | 577560 |
| ccaagcgag   | acttttaag   | aatggcaaga  | ccctgaggta  | aatgccgtca | atcgtgctcc  | 577620 |
| gatgcatgct  | aacttttttg  | cttacgaaag  | tattgatgct  | gcaattcgga | atgtaaaaga  | 577680 |
| aaattccaac  | aattttatga  | cattaaacgg  | aaaatggaaa  | tttttctggg | tgaagaatgc  | 577740 |
| cgatgcacgt  | cctactgatt  | tctggaaagt  | agatttcaac  | gataagggat | gggacgattt  | 577800 |
| gcaggttcct  | gccgtgtggg  | aactgaatgg  | atatggcgat  | cctatctatc | tgaatgtggg  | 577860 |
| ctatgcatgg  | cgtaaccagt  | tcacgaacaa  | tcctccttac  | gtgccggttg | agaacaatca  | 577920 |
| cgtaggttct  | taccgtcgtg  | aaattgttgt  | gcctgccgac  | tggaaaggca | aagatatcat  | 577980 |
| tgcacatttc  | ggtgccgtaa  | gctcaaacad  | gtatttgtgg  | gtaaacggca | aatacgtcgg  | 578040 |
| atacagtga   | gacagcaagc  | tggaaagcaga | attcgatttg  | actccgtatc | tgaagccggg  | 578100 |
| acagaaaaaac | atcattgcgt  | ttcagggtatt | ccgctggtgc  | gacggcagtt | acctggaaga  | 578160 |
| tcaggacttc  | ttccgttaca  | ccggtgtgtc  | acgcgattgc  | tatctttata | cccgaacaaa  | 578220 |
| gaaacgcac   | gacgatattc  | gtgtaactcc  | cgatctggac  | agcgagtaca | agaatgggtc  | 578280 |
| gctggctgtc  | gaactgaagc  | tgaaggagc   | ttcaaaagtc  | acactcgacc | tgctggatgc  | 578340 |
| ccgcaatgaa  | gttgttgcca  | cgaaggaggt  | aggaggcagc  | ggtcagggtt | ctacaacat   | 578400 |
| cgatctggct  | gaaccccata  | agtggacagc  | cgagactcct  | tatttatata | ccctgcgtgc  | 578460 |
| cactttgaaa  | gacggaggga  | aggtttagcga | agtcgttcct  | ataaaagtcg | gtttccgtaa  | 578520 |
| gatagaactg  | aaagatgcac  | aagttctggg  | caatggctcag | ccggttctga | taaaagggtgc | 578580 |
| cgatcgtcat  | gagatggatc  | ccgacggcgg  | atcttatgta  | tcccgcgagc | gtatgattca  | 578640 |
| ggatattcag  | atcatgaaac  | agttcaacat  | caatgccgta  | cgtaccagcc | attaccgga   | 578700 |
| cgacaatttc  | tggtagcact  | tgtgcgataa  | gtacgggtatt | tatgtcgtag | ctgaggctaa  | 578760 |
| tttggaaatct | cacggcatgg  | gatacgaaga  | aaagacactg  | gcaaaagttg | catcctataa  | 578820 |
| aaaagcacat  | ctggagcgca  | acgaacgcaa  | cgttcagcgt  | ggattcaatc | accccagcat  | 578880 |
| tatcttctgg  | tcgttgggaa  | atgaggctgg  | ttacggcccg  | aatttcgaag | cagcatatcga | 578940 |
| ctgggtaaaa  | gccgaagatc  | cgagccgtcc  | cgtagcgtac  | gaaagagccg | gactggaagg  | 579000 |
| caagaccgat  | atcttttgcc  | cgatgtatta  | tcgctacaaa  | gactgcgaaa | attatgcgaa  | 579060 |
| gaacgaaaag  | agtaccaaac  | cgcttatcca  | gtgcgaatat  | gcccagtcga | tgggtaactc  | 579120 |
| ggaaggtgg   | ttcaaggaat  | actgggattt  | gattcgtgaag | taccggaat  | accaggagg   | 579180 |

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| ttatgcgtat  | ggaggcgact  | ttaacgactt  | cgatgccagc  | gacaataact  | tctgcgataa  | 579300 |
| cggtctgac   | agccccgatc  | gtaagccgaa  | tccgcacatg  | tacgaggctg  | gttactttcta | 579360 |
| tcagaacatc  | tggactacgg  | caggcgattt  | gtcgaaggga  | gaaatcaagg  | tctacaatga  | 579420 |
| gaacttcttc  | cgcgacctgt  | ctgcttacgc  | actggagtgg  | gaactgctga  | aagacggtaa  | 579480 |
| ggctgttcgt  | agcggacgcg  | tagaaaacct  | gtcggtagcg  | ccgcaccaga  | ctgcaacggg  | 579540 |
| gaaactcgac  | tggggaaaga  | cttgcaagt   | tggcgaatgg  | ttgctgaacg  | tgaagtatat  | 579600 |
| ccagaagaac  | cgcgaaggcc  | tgctgccagc  | cggtcatgta  | gtagcgaagg  | cacagttgac  | 579660 |
| agtgaacccg  | tacgaagctc  | ctgccatgaa  | ttttgccaat  | gttgcaagaa  | agaatgtagc  | 579720 |
| agtcgttact  | cctcagatta  | aagatgaaaa  | cgtgaaccgt  | atggctcgtg  | taggagagaa  | 579780 |
| cttcaacatc  | cagttcaaca  | agcgaacgg   | ttacatggac  | aaatacgaag  | taaacggact  | 579840 |
| gaacatgata  | aaagaaggag  | aagccatgac  | acccaacttc  | tggcgtgctc  | cgaccgacaa  | 579900 |
| tgatttcggt  | gccggacttc  | agcagaagta  | tgtagcatgg  | aaagatcccg  | aaatcaagtt  | 579960 |
| gttgctggtg  | aaaggggaga  | tggcagacgg  | aatggcagtc  | gtttcagccg  | aatacgaat   | 580020 |
| gaagaaagt   | tccgccaaac  | tgttgcttac  | ttataccatc  | aacaacgaag  | gagctgtaaa  | 580080 |
| agtaacccag  | aaaatgacag  | ccgacaagaa  | tgcaaaagta  | tccaatctgt  | tccgtttcgg  | 580140 |
| cttacagctg  | gtaatgcctg  | cttccttcga  | aaagatttcc  | tattacggac  | gtggaccgat  | 580200 |
| tgaaaactat  | gccgatcgta  | agacatgtac  | cgatttaggc  | atttacaacc  | agaccgtaga  | 580260 |
| cgaacaattc  | tacgcttata  | tccgcccgca  | ggaaaatgga  | accaagtccg  | atatccgctg  | 580320 |
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| ggcatccgct  | ttgcactata  | ccatcagctc  | actcgattca  | ggatgggaaa  | agcaacagga  | 580440 |
| acactccaac  | gaagtgaaga  | aagccgacct  | gaccaatgtc  | ctgatcgaca  | aagcccagat  | 580500 |
| gggattgggt  | tgcgtagata  | gctggggagc  | ccttcccga   | ccgcaatacc  | agttgcctta  | 580560 |
| cggcgattat  | gaattttacct | tcatcatgac  | accggtaagt  | cattcataca  | ctcaggaata  | 580620 |
| acagtcgcgt  | aacataccag  | aaagaggcgc  | atcaaaccga  | tacgcctctt  | tctctttttc  | 580680 |
| tgtaatccg   | tttatctttc  | agatttcagt  | ttccgttatc  | tcatcagggc  | tttcgttacc  | 580740 |
| tcaccgatat  | acatgggtata | ctgtttcgaa  | gcattccat   | tctggttcag  | cgatttcaag  | 580800 |
| tcatccgccg  | tcattttctg  | tgccatagcc  | ttcttgact   | ctatcaccac  | gctcgcctgc  | 580860 |
| gtattattgc  | tggtatagaa  | cgaaaccttg  | tacgtatcac  | tctgttccat  | caaagcagta  | 580920 |
| gcagcaatac  | ggctctgggtc | gatgagcaaa  | taagcaacgt  | tcttggttgaa | catcttgcca  | 580980 |
| aatccactcc  | agttctccgc  | cttgatatcg  | atttcctccc  | cattggcagc  | cgtttagcgta | 581040 |
| atgcgtccct  | gtgcagcaat  | ctcgtttaag  | ttggcaggta  | actgctccaa  | gctaacttct  | 581100 |
| ttcagttccg  | ccgaagcatt  | gagtaccgga  | gtagcaggct  | gtaatgtctg  | tgcaggaacc  | 581160 |
| gattgcgcag  | tggtagccga  | cgcattgttc  | agcaacttct  | gtcccaaggc  | aaccgaagcc  | 581220 |
| gactgaaaca  | attcatcctt  | caggctcgatg | gtttcccgctc | tgaacttgcc  | gcagatagga  | 581280 |
| gccagtttcg  | ttttcttctt  | gttcagcgcc  | atatcgctcg  | tgatccattc  | ctctgctgta  | 581340 |
| tatttttctg  | ccccgtctct  | cgcttcatca  | taccagtaac  | ggatacgcgt  | catcagcagc  | 581400 |
| ttacattttc  | cgtcctccgc  | attgatcaga  | aactgataat  | aaatgcgcgt  | acgggtccaat | 581460 |
| gacagagcag  | tagaagagaa  | aaccatatac  | tcttcggcca  | tagccgcaat  | ggtaccatcc  | 581520 |
| tccttattag  | aatacgaac   | ctgactatac  | aactttccgt  | cgggcttgaa  | acgtcctttc  | 581580 |
| gccattcca   | gcattctgatt | gaatatctcc  | gttttcgaca  | gtcccggagc  | ctttatctcg  | 581640 |
| ttggtaaaaag | ccacctttcc  | gtcgatgggt  | gttacagctc  | cggccagata  | tttcgggtcg  | 581700 |
| gaattatctt  | tcttgctctt  | agccataccc  | gttagcggca  | gacaaagcag  | cagcataaat  | 581760 |
| aataattttt  | tcatggcaat  | gtttctgttt  | ttgattttct  | tttctgtttt  | ataacgagca  | 581820 |
| aatatacaga  | taaaaaatata | ggaagaaaag  | agaaccctgc  | taaaaaaagg  | aaacgtccgg  | 581880 |
| gtataaaaaa  | tattcactac  | aaaccgtctg  | ttttctgtaa  | ggaaccaatt  | cctttgtcga  | 581940 |
| gaaagcgaca  | gcctgtagtg  | aatatggatt  | tagaatctcc  | gtcaggagaa  | aatattatct  | 582000 |
| gactggaatc  | ttgtcgattc  | ttgcctgatg  | acgtcctcct  | tcaaatcag   | tagagaagaa  | 582060 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| ttccgtcata  | atcttgtcag  | ccatttccgt  | atcgatgaaa | cgtcccggca  | tcaccagcac  | 582120 |
| gttcgcatca  | ttatgcaggc  | gagacaaacg  | tgcaatttcc | ggcatccagc  | acagagcagc  | 582180 |
| ccggatcccc  | tgatgcttgt  | tcagcgatcat | gctgatacct | tcgccactgc  | cacagatacc  | 582240 |
| tattccaggg  | taacattcac  | ctgcttcaac  | ggcaagcgcc | agcggatgag  | cgaaatccgg  | 582300 |
| atagtcacag  | ctatccgtac  | tatatgttcc  | aaaatcttta | tactcccatc  | cctttgcctt  | 582360 |
| cagccattgc  | tttacaatatt | ctttcagctc  | aaatccggca | tgatcggaag  | ccagtccaac  | 582420 |
| tactttcatt  | ataacattgc  | ttttacttgg  | ttatacacat | tttctgcggt  | gaatcccaat  | 582480 |
| ttttcgtcca  | ataccttcta  | cggagcagag  | aaaccgaacg | attccagtcc  | ccataccttt  | 582540 |
| ccgttcgggc  | ctaccagacc  | ttgcagggtg  | accggcagac | cggcagtcag  | tccgaatacc  | 582600 |
| tttgacccag  | ttgggataat  | gctttcctga  | tactccttgc | tctggttgcg  | gaacaaacct  | 582660 |
| tccgacggca  | cagaaacgat  | acgcagtttc  | acgccatcct | tgcgcaacag  | ttcagcacct  | 582720 |
| gccaccaagg  | tagaaacttc  | agaacccgaa  | gccaccatca | ccacatccgg  | attttcatcc  | 582780 |
| gatccggcta  | cgaataaagc  | accctttgca  | gcctgcgtat | aatcagtacc  | ttccggcaag  | 582840 |
| tttgcaacat  | tctggcgaga  | gaaaatcagt  | cccgtaggag | tagaagtatt  | ttccattgcc  | 582900 |
| agcttccaag  | cctgagtagc  | ctcttctacg  | tcagctgggc | gcaataaccag | catcgagtta  | 582960 |
| tgtcccttat  | gatttttctg  | tttttccatc  | agtcggatct | gagcctcctg  | ttcaaccggc  | 583020 |
| tcatgtgtcg  | gaccgtcttc  | accaacacgg  | aacgcacgtg | gtgtccagat  | aaacttcaca  | 583080 |
| ggagtttcca  | tcaaggcagc  | catacggata  | gctggtttca | tatagtctga  | gaaaacaaag  | 583140 |
| aacgtaccgc  | aggcagcgat  | aacacctccg  | tgacgtgcca | taccgatgca  | gcagcaagcc  | 583200 |
| atagtcagtt  | cggctacacc  | agcctgcagg  | aacgcaccac | tgaagtcccc  | cttcgtaaag  | 583260 |
| gcagtagttt  | tcttcaagaa  | tccgtctgtc  | ttgtcagaat | tagagaggtc  | ggcagaagcc  | 583320 |
| acaatcatgt  | tttccacgtg  | agtagctagc  | acaccagta  | cggtagccga  | agcagcacgt  | 583380 |
| gttggtcctc  | ctgctttctg  | ctggatagcc  | tcccagttga | ttttcggagc  | ctggttagag  | 583440 |
| aaccagaatt  | ccatcttcgc  | agccagatcc  | ggatgagcct | ttgcccattc  | agccttcgct  | 583500 |
| gcataacgtt  | cggcaacgat  | tgctttcagt  | tcttcgcggc | gttttgcata  | caactctgcc  | 583560 |
| acttccggga  | aaacttggaa  | cggattctcc  | aggtcaccac | ccagattctt  | tatggtattg  | 583620 |
| atataagcat  | caccacccag  | tggagcacca  | tgcgtagcac | agtcagtctc  | atagcttgta  | 583680 |
| ttgtctgtc   | tcattgcacc  | tttaccata   | atcgtcttac | cgataatcag  | tacaggctgt  | 583740 |
| ccttccacag  | ctttcgcttg  | agtcagtgc   | tcacgtatct | cgtcaggatc  | attaccgttg  | 583800 |
| atagtaaaca  | ccttccatcc  | ccacgcttca  | tatttctttg | caacatcctc  | gtttgttaacc | 583860 |
| tcgccacatt  | ccgtagaaa   | ttggatatcg  | ttcgagtcgt | agaacataat  | cagggttatcc | 583920 |
| agtcccagat  | gtccggcaat  | acgtccggca  | ccctgtgaaa | tttcttctctg | aataccaccg  | 583980 |
| tcggaaatat  | aagcataaat  | agtctggttc  | atcacatctc | ccagacgagc  | tttcaagaac  | 584040 |
| ttcgacgca   | tagcagcacc  | tacggcaaaa  | gtatgtccct | gtcccagcgg  | accagaagta  | 584100 |
| ttttcgatgc  | cacgcatgat  | gtccacttcc  | ggatgtcccg | gagtagggct  | tccccattga  | 584160 |
| cggaaactgag | ccagttcgtc  | catcgtgaat  | tttccgctca | gtgccagtac  | cgaataacaac | 584220 |
| atcggcgaca  | tatgtcccgg  | gtcgaggaag  | aaacggtcac | gaccttccca  | gcgtggattt  | 584280 |
| tcaggatcat  | aaacaagaaa  | ttcagaaaac  | agtacatttg | caaagtctgc  | accaccata   | 584340 |
| gcgccacccg  | gatgaccgga  | cttagctttt  | tctaccatcg | cagcagccag  | aatacgaatg  | 584400 |
| ttgtcggctg  | cgcggttcat  | tagttcttta  | ttgtttttca | tcttgatat   | gtttgtttat  | 584460 |
| gcaaagatag  | taatattctt  | cgaatgaaa   | cgaattttgt | ttaaaagctt  | gtcagctcca  | 584520 |
| gcgctctcct  | gcacgtggca  | gacagctgta  | aatgcgtcgc | aaaggtaatg  | cttttccggc  | 584580 |
| aggtaacaaa  | aaaatcgcta  | cagcacctcg  | tggttagggc | tatagcgatt  | tcttatcact  | 584640 |
| aaattctatt  | ttttaagtaa  | cttgattact  | ttccggccga | aaactccttg  | atgcgctgtt  | 584700 |
| cttacttag   | gcggcatatt  | agtagttgac  | cgttcttttc | tgccacaatg  | tagctgtcca  | 584760 |
| gaccttccag  | taccaccttg  | cgttcgtccg  | ccacatgcac | cacacagttc  | tggcagtcga  | 584820 |
| atagctttac  | gtctgttccc  | acggaagcat  | tgccattctc | atcttgtgac  | aacagcgtgt  | 584880 |
| gcagcgaacc  | ccaacttccc  | aggtcactcc  | atccgaactc | cgccggcagc  | acatagatat  | 584940 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cctccgcctt  | ttccattact  | gcatagtcga  | tggaaatctt  | ctcgcaggta  | gggaagagggc | 585000 |
| gtttcagttc  | ctctgcttcc  | ttgtccgtaa  | acaaggcagg  | ctccagctcg  | tccatcactc  | 585060 |
| ccgcaatctg  | cggcacgaac  | gtacggatag  | cattcgtaat  | cgtttctacg  | ttccacacaa  | 585120 |
| atatccctgc  | gttccagaaa  | taattttccg  | cagttagata  | cctctttgcc  | gtttccacgt  | 585180 |
| ccggtttctc  | cttgaacgct  | tctactttgc  | agataccctt  | ctcgtcggct  | tcaccctgag  | 585240 |
| ccgcgatgta  | cccgtagccc  | gtttccggtc  | gggtaggttt  | catgcctaaa  | gtcacgatag  | 585300 |
| catgtgagtc  | tgctgctttt  | tcgagtgcga  | cggcaatgca  | gcgggtaaac  | tctgccgtat  | 585360 |
| caatcaccag  | tgcgtccgag  | ggagtcacta  | cgatgtttac  | ctgcgggaac  | tcctttcgga  | 585420 |
| tcttccagca  | cgcatacgcg  | atacaagggtg | ccgtatttct  | tgcttccggg  | tcggccagaa  | 585480 |
| tatgtgagc   | cggaaacctgc | ggtaactgct  | tctttacgat  | gtctacatac  | ttttccgatg  | 585540 |
| ttaccaccca  | aaagttttcc  | atcggggcaa  | tatctttgaa  | acgctccacc  | gtgagctgga  | 585600 |
| tcagggattt  | ttccacgccc  | atcacgtcga  | tgaattgttt  | gggggtattcg | gggggtactca | 585660 |
| tgggcccagaa | gcgacttcct  | atgccgcctg  | ccatgatgac  | tacgtgagtt  | tgcattgattt | 585720 |
| tttgtattgt  | tttttgcttt  | taatccctgc  | ggaaaatata  | acgtgtgtat  | acctttctcct | 585780 |
| tcacatcatc  | caggcacgca  | tcgtaacggg  | tggcgatgat  | agcctgcgat  | tccttcttga  | 585840 |
| actcctccag  | gttgtttacc  | accttcgagc  | cgaagaacgt  | actgccatct  | tccagtgtcg  | 585900 |
| gttcgtaaat  | gataatctga  | gcaccttttg  | ccttgatgcg  | cttcattaca  | ccctggatag  | 585960 |
| aactctgacg  | gaaattgtca  | ctgttcgact  | tcatggctag  | acggtacacc  | ccgatgacac  | 586020 |
| acaccttttc  | ttcctgtgga  | ttataatccc  | cacgggtgaa  | atagtcgtaa  | taaccgcgtt  | 586080 |
| tgtgcaatac  | cctgtcggca  | atgaaatcct  | tacgcgtacg  | gttcgattcc  | acgatggcat  | 586140 |
| gaatcaagtt  | ctccggcaca  | tccgcatagt  | tggccagcaa  | ctgctttgta  | tccttcggca  | 586200 |
| gacagtaacc  | ccgtagccga  | acgacggatt  | attataatgc  | atgccgatac  | gcggatccag  | 586260 |
| acagatacct  | tgaatgatag  | cctgcgtatc  | cagtcccttt  | acctccgcat  | acgtatccag  | 586320 |
| ttcgttgaag  | taagacacac  | gcagcgccag  | atacgtattg  | gcgaacaact  | tcaccgcctt  | 586380 |
| cgctccttc   | agtcccatga  | acaaggatat  | tatatccggc  | ttgagagctc  | cttcctgaag  | 586440 |
| caaagccgca  | aattcgtgcg  | ccttctcttc  | cagggtgttcg | cccgcgatag  | ccttgatagc  | 586500 |
| ctcgttttcc  | tcgttgctgc  | cttctatcag  | cttcgggaat  | cccacgatga  | tacggctcgg  | 586560 |
| ataaagattg  | tcgtacagcg  | ccttactttc  | acgcaggaac  | tccggcgaga  | acagcagggt  | 586620 |
| gaacttcttt  | ccggccaagg  | caggagtatt  | cttaaacttc  | tcagcatatt  | ttacgtacag  | 586680 |
| gcttcggcag  | taaccacag   | gaatggtagt  | cctgatcacc  | ataactgcat  | tcggattttac | 586740 |
| ttccaatacc  | aagtgcatta  | cttcttctac  | gtgactgggtg | tcgaaataat  | tcttcaccgg  | 586800 |
| atcataattt  | gtaggagctg  | caattactac  | aaagtctgca  | ttcttgtaag  | ctgaagcgcc  | 586860 |
| atctaattga  | gctgtcaggt  | ctagttcctt  | ttctgtcaga  | tacttttcga  | tatattcatc  | 586920 |
| ctgtatcggg  | ctgatacggg  | tgtttatttt  | ctctaccttt  | tcagggatta  | catctacagc  | 586980 |
| tgtaacatga  | tgatgctgtg  | acaataatgt  | agcaatagac  | agacctacat  | agcctgtacc  | 587040 |
| tgctacggcg  | atatttaagt  | ttttaaaatc  | gttcataatc  | tatcaattta  | gaaatttaat  | 587100 |
| ttagcagtaa  | taaattgagg  | aaccttccat  | gccatttttt  | gcagtttagt  | ccatgtagggt | 587160 |
| gatagcccgt  | gactgcgata  | catgcggata  | tcttcttgcc  | acattttgtt  | gcgttttagta | 587220 |
| ctatcagttg  | agagtcctcc  | cattcgcata  | tttacgatat  | attcgttcag  | atattctact  | 587280 |
| ttcagattac  | cttcgtatag  | atagcggaat  | aggaaatctg  | aatctgctgc  | aatcttgtag  | 587340 |
| ctttcgtcgt  | ataagcctaa  | ctgggtcaata | cacgtcttac  | gaatgtaaca  | ggtaggatgt  | 587400 |
| aaaggaagcc  | acccgtgttt  | tactttccat  | ttactatatg  | aacctcctat  | ccaattacga  | 587460 |
| ataactttgt  | tcgtatcttg  | gtagtccacg  | aacagaccgt  | taccatatac  | aaagtctgcc  | 587520 |
| tttgtattct  | caaatttctt  | gacgatttta  | ctgatgggat  | ttggagaata  | aagaaaatca  | 587580 |
| tcactatgta  | gcaatccgat  | tatatctccg  | gttgctctcc  | tgattccctt  | gttgattccc  | 587640 |
| tcatacatc   | ctttgtctgg  | ttctgagatg  | atttggtcga  | tacggctctt  | gtaccgatta  | 587700 |
| atcacttgca  | gagaacggtc  | cttgctgggt  | ccgtctacta  | cgatatattc  | tatctcttgg  | 587760 |
| taattttggg  | ctaatacact  | ctcaatagct  | tgcccgatag  | ttgcttcacg  | attgaagcaa  | 587820 |



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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gaggtgatga  | tggaaacttt  | catcagaaaa  | attattttag  | atgttgcaga  | atggctcgtga | 587880 |
| ttataatttc  | tgcttctaag  | aaaaatgttt  | agagttgata  | gcccgtttta  | tcgcatttgt  | 587940 |
| gatataataa  | ggagcatgaa  | tatggttaaa  | caatttttgt  | cagtttacat  | ttccaatact  | 588000 |
| tcggtaaatt  | ttaccgata   | aattaaaatt  | aaacatagaa  | tcggcataat  | ccggttcaaa  | 588060 |
| attatattca  | agagatcatt  | gaaatactgt  | caagaataaa  | tcgtcaagga  | gtaagaaaag  | 588120 |
| ggatgaaaaa  | gatatgctaa  | acagctgaaa  | atcaacagaa  | aaagtatttc  | ataattcact  | 588180 |
| gatttttagt  | aaattagaag  | tacttcacca  | cttttaatta  | tgactaaaga  | atcactcctt  | 588240 |
| atgcaatacc  | aatccgagtg  | cagaaacgct  | ctcgaatcag  | ctgtaaataat | aagcaaattct | 588300 |
| tttcagaaaag | tattcatgga  | tgcaatgaaa  | ttattcatgg  | ctataacctga | ccgcatcaat  | 588360 |
| ttcctacaaa  | tgggacggta  | tggatgtttc  | tcggaacaga  | cataccgcaa  | caatttttgag | 588420 |
| aacgacggct  | ttgactgggt  | ttccttcaat  | gaagccatca  | tcagggaaca  | ccttaaagggt | 588480 |
| ggctcgcaagg | cgatagccgt  | tgatccgtct  | ttcattccaa  | aatcaggcag  | caaaacgccg  | 588540 |
| tggattggct  | atttctggct  | cggttgtgcc  | ggtgaatata  | aacgtggact  | ggaaataacc  | 588600 |
| ggtattggag  | ttatagacgt  | tgacaaccat  | gaatgtatga  | ctttgggctc  | tgtacagaca  | 588660 |
| cctgacaacg  | caacgctgga  | aagctgtgag  | aagaatcttg  | ttgactggta  | cagctcttac  | 588720 |
| cttatcagca  | tacaggaaca  | gctgaaacgt  | atttctggca  | cagtcgtgtg  | tgatgcgttc  | 588780 |
| ttttcaaaag  | caactttcat  | caaaccattg  | tacgataacg  | gtttccacgt  | aataagccgt  | 588840 |
| ttcaggaatg  | atgccgtatt  | gttttatccc  | accttagaaa  | ataggacagg  | aaaacgcgga  | 588900 |
| cgtccaaaat  | tacatgacga  | gaaaattgac  | tttgaaaatc  | tggacatcac  | aagatgtacc  | 588960 |
| gagtacaaaag | tgaacaaggg  | taaactttac  | ggactgaaag  | catactccaa  | agcactcaaa  | 589020 |
| cgttttgtga  | gcctggctgt  | atggtacccc  | atggatggaa  | gaacggacaa  | atggcagctg  | 589080 |
| tatttctcta  | caaacgaaat  | acagaacgca  | caggatgtcc  | tggactttta  | cagaacacgt  | 589140 |
| ttccaactcg  | aattctgctt  | tcgggatgcc  | aagcaacatg  | ccggaatagc  | aaactgtcag  | 589200 |
| tctacagact  | tcaggaaact  | ggcattccac  | tttaatgcat  | cacttgcagc  | gataaacctc  | 589260 |
| gccaaaggctg | cctgtaagaa  | gatgggaata  | aaatattcca  | tatcatcatg  | caagtcagtc  | 589320 |
| atacacaatg  | cttacatgct  | tgaacgattt  | atttgcgtgt  | ctgggattga  | accaaacacg  | 589380 |
| caattaattg  | acaaactttt  | caaagaactc  | attttattta  | ctgccagagc  | cgcttaggct  | 589440 |
| gggctaattt  | ttaacgaact  | attgcatttc  | tttaagtaga  | agtaaattgtt | tcttgacatg  | 589500 |
| tttattttcag | gttattgtag  | gataactcag  | aagtaataat  | tagtgtaata  | ttatgtaaaa  | 589560 |
| gaatatactt  | tttagcaata  | gtttaggatt  | gctcaaaaag  | tgtaatagat  | gacgtttataa | 589620 |
| tttattttttt | atcttgcctg  | tgtatccaat  | ctaattgttat | cttgggtccct | tctatttcgtg | 589680 |
| aaacgggtaa  | attgggagca  | atttctttga  | ttgggttcaa  | attatgaaca  | ttatcagttg  | 589740 |
| tcatattatg  | gaggcgaaaa  | cttgtcatag  | gaaaattaat  | tccaactttc  | tttagtaaat  | 589800 |
| ctccagtcca  | tccagcaact  | ttaaaacacc  | aaaagggaac  | tttaggaata  | tgtattttttt | 589860 |
| ctataacctgc | tatttcatta  | gcccattctg  | ttattggata  | aggttcataa  | tctcctatat  | 589920 |
| aaaagacttt  | tttattttact | ttttctttat  | cagcatttta  | tattgacatt  | atttgataaa  | 589980 |
| tagcattatc  | tatatatcca  | tatgtctttt  | tacatgctct  | tttccccata  | tgaaaataca  | 590040 |
| tatgagaaaag | aacgatatga  | aagaatctat  | tatatggttc  | tccaaacccat | ggtccccata  | 590100 |
| tacttggttg  | gcgtataata  | gtccacgtat  | atttaggatt  | acgtgatttt  | attattttttt | 590160 |
| ctgtttctac  | tttactttct  | ccgtataaag  | tatgtggagc  | ataatcatca  | aagctttttg  | 590220 |
| gcataataccc | tggctcacat  | acatacatgg  | aagaagcaaa  | tattactcgc  | ttcaaatttg  | 590280 |
| atacaccttc  | taaagcttct  | aataaatttg  | aaactccatc  | aataatttgca | ttataatctt  | 590340 |
| ttaaaacttg  | tccatttaaa  | tcagtacgag  | cacctaaatg  | aattacataa  | tcaggttgaa  | 590400 |
| atcttataat  | gctttttgat  | aagtatgctt  | tatctcttaa  | atcaattttt  | tcccaaatat  | 590460 |
| ttcgatgtaa  | ttctatttta  | ggttctgcta  | tatctaaact  | taaaatttca  | ttaaattcaa  | 590520 |
| attgggttag  | atagctaata  | aaattgggtc  | ctataaatcc  | ggaaccacct  | gttacaagta  | 590580 |
| ttttcatttt  | tatttatttg  | atttttaggtt | aaaccacctt  | tctaaagttt  | ctttttataat | 590640 |
| attagcattt  | cctcttacta  | atgggtttaaa | atcaaaaatc  | ttggcttttt  | caatagtttg  | 590700 |

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| gacttgctct  | tgattgtgta   | tgtgttctaa  | accttcaatg | cgtggtacag  | ctataatctt  | 590820 |
| tttcttttta  | tcaatggctt   | ctctcatagc  | tccccatcca | ccttgcacat  | ctattatata  | 590880 |
| agcttcttca  | gaatatTTTT   | gcatactctt  | ttggggacaa | aagtcaaaaag | atatagcatt  | 590940 |
| tttacattca  | taagtagaga   | cgcctttttg  | aatgatgatt | tctgtttctt  | tatgttttagc | 591000 |
| tgcatattga  | tcagctgctt   | taactaacct  | atcaaaaggt | tgtgtgtgtg  | tacctactgt  | 591060 |
| aaataatatc  | atagtactcc   | tatatattta  | gaatttggaa | atatttttagt | taattctggc  | 591120 |
| cattgaacta  | aaaatagatc   | actgagcggg  | taagccttat | agggaactct  | agatggcttt  | 591180 |
| gtgacattag  | ctgaagaaca   | aagaaatatt  | attttacatc | cgaataattt  | tttaccaaaa  | 591240 |
| aaaatagttg  | gataggctac   | acctgcacca  | gaagacataa | taacatcagg  | cctctcctta  | 591300 |
| attaataaat  | ataaagattg   | gatagcattt  | ataatccatg | tccatttctt  | taaagttgca  | 591360 |
| ttgtgtattg  | tataatattt   | gaattttttg  | agcttgtttt | ttagatgttt  | atttttataa  | 591420 |
| caatagtctg  | ttaaaaatta   | gccagccta   | agcggctctg | gcagtaaata  | aaatgagttc  | 591480 |
| tttgaagagt  | ttgtcaatta   | attgctgtgt  | tgggtcaatc | ccagacacgc  | aaataaatcg  | 591540 |
| ttcaagcatg  | taagcattgt   | gtatgactga  | cttgcacgat | gatattggaat | atttttattcc | 591600 |
| catcttctta  | caggcagcct   | tggcgaggtt  | tatcgctgca | agtgatgcat  | taaagtggaa  | 591660 |
| tgccagtttc  | ctgaagtctg   | tagactgaca  | gtttgctatt | ccggcatgtt  | gcttggcatc  | 591720 |
| ccgaaagcag  | aattcgagtt   | ggaaacgtgt  | tctgtaaaag | tccaggacat  | cctgtgcgtt  | 591780 |
| ctgtatttctg | ttttagagag   | aatacagctg  | ccatttgtcc | gttcttccat  | ccatggggta  | 591840 |
| ccatacagcc  | aggctcacia   | agcgtttgag  | tgctttggag | tatgctttca  | gtccgtaaag  | 591900 |
| tttacccttg  | ttcactttgt   | actcggtaga  | tcttgtgatg | tccagatttt  | caaagtcaat  | 591960 |
| tttctcgtca  | tgtaatTTTg   | gacgtccgcg  | ttttcctgtc | ctattttcta  | aggtgggata  | 592020 |
| aaacaatacg  | gcatcattcc   | tgaacgggct  | tattacgtgg | aaaccgttat  | cgtacaatgg  | 592080 |
| tttgatgaaa  | gttgcctttg   | aaaagaacgc  | atcacacacg | actgtgccag  | aaatacgttt  | 592140 |
| cagctgttcc  | tgtatgctga   | taaggtaaga  | gctgtaccag | tcaacaagat  | tcttctcaca  | 592200 |
| gctttccagc  | gttgcgttgt   | cagggtgtctg | tacagagccc | aaagtcatac  | attcatgggt  | 592260 |
| gtcaacgtct  | ataactccaa   | taccggttat  | ttccagtcca | cgtttgtatt  | caccggcaca  | 592320 |
| accggaccag  | aaatagccaa   | tccacggcgt  | tttgcctgct | gattttggaa  | tgaagacggg  | 592380 |
| atcaacggct  | atcgctttgc   | gaccaccttt  | aagggtgttc | ctgatgatgg  | cttcattgaa  | 592440 |
| ggaaaaccag  | tcaaagccgt   | cgttctcaaa  | attgttgcgg | tatgtctgtt  | ccgagaaaca  | 592500 |
| tccataccgt  | cccatttgta   | ggaaattgat  | gcggctcagg | atagccatga  | ataatttcat  | 592560 |
| tgcatccatg  | aatactttct   | gaaaagattt  | gcttatattt | acagctgatt  | cgagagcggt  | 592620 |
| tctgcactcg  | gattggtatt   | gcataaggag  | tgattcttta | gtcataatta  | aaagtgggtga | 592680 |
| agtacttcta  | atttactaaa   | aatcagtga   | ttatgaaata | ctttttctgt  | tgattttcag  | 592740 |
| ctgttttagca | tatctttttc   | atcccttttc  | ttactccttg | acgattttat  | cttgacagta  | 592800 |
| tttcaatgat  | ctcttgaata   | taattttgaa  | ccgatttatg | ccgatttctat | gtttaatttt  | 592860 |
| aatttatcgg  | taaaaattta   | ccgaagtatt  | gtttataagt | tacccaataa  | atttcatatt  | 592920 |
| gattaatttc  | aagagtattc   | attgcaagcc  | ataattgttc | aaaatgtcca  | ccagcactgc  | 592980 |
| atatcataca  | aatttttggg   | ttctttttcca | ttttataatt | taaattattg  | taaataattat | 593040 |
| aattaatcag  | acgatttgac   | gtagtttcaa  | tcttaattat | ttgaacctat  | agatttgatt  | 593100 |
| gggtaagcac  | tcaatttagg   | gcataccctt  | ttgaaaggct | acttttcagt  | gccctaaatc  | 593160 |
| aagttttgtt  | aattaattag   | ttttgaattt  | aacattggcc | agtagccaaa  | gtgatgttaa  | 593220 |
| agatattttt  | gaaaaaagtt   | ccgatgaagt  | tccagacaga | actgtcttga  | agctttaccg  | 593280 |
| tttctattac  | actatgataa   | gtggcagtc   | tctccatacc | ggcatcactg  | cattatggca  | 593340 |
| gtgatgccgg  | tgcgagaggt   | agtcagcttt  | cgaatgggtc | gctcagcaag  | attagtttcc  | 593400 |
| aagctttgtc  | tttcccgtaa   | cctctctttc  | ggggtaaatc | cggcatcatc  | acattttacgc | 593460 |
| tccttcataa  | agaatccctt   | taaaatattg  | gaaaagcgat | cagctgccgg  | ttcaccacct  | 593520 |
| tggttagagg  | ccttgacaac   | ttgttttttg  | catgagacat | acaaacttga  | tgcacgggtat | 593580 |

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|            |             |            |            |             |             |        |
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| ctttaaattg | agctgatttc  | aactcatcat | cgataaatac | ataagcattg  | tatccggttg  | 593640 |
| acatgatact | cttcatttct  | ccagctattc | ccatcgtttt | ataccgcgtc  | gggcgatttg  | 593700 |
| ataaatcgcg | tcgtttcccg  | gatggttctt | ttacttcttg | aggtttggtc  | ttatctaccg  | 593760 |
| agtccatacg | aagtgtatca  | tccgtaccat | catagtcatc | tttctccttt  | tgctcggtcag | 593820 |
| aatcactttt | tctagcttta  | gagtttatcc | tttgacgtct | gtcggtttagc | gtccaatttt  | 593880 |
| gacgtgtagt | atagtgaag   | ccgcttttca | gcggtttcct | attaaaaaaa  | tcaaaaattg  | 593940 |
| aacgtgatta | ttaatatattg | ttagtattaa | ttccaattgt | cataggcagg  | agattttcat  | 594000 |
| aatcctttct | ccctttgaca  | atttcgtgga | agaatttctt | gagatattcc  | agagcagaca  | 594060 |
| gcccgttcat | tcggcatggt  | gagagcagcg | tatgataggc | tgccgataca  | tttgccatgc  | 594120 |
| ggctgccaac | aaagaacagc  | gagttcttgc | gttcacccgc | cagcggacgg  | atgaaacgtt  | 594180 |
| ctgctattga | attgtctatg  | tcataccgcc | catcgttcag | ataggcaaag  | agctgtttcc  | 594240 |
| agaaaacctg | aagataattc  | acagccttgt | ccatgagttc | tccacgggga  | ggatgagtcg  | 594300 |
| gagacagcag | cacatccagc  | ttgcttctta | tgcgccttat | aatttccttg  | gttcgcaatg  | 594360 |
| aatgtcggca | gctggttatc  | tcctgtgctg | aaagcccgtc | taatttataa  | gtatcttcca  | 594420 |
| gccggtaaa  | ttctccgaaa  | cagtctatca | gatatttagc | atcgggatca  | tcgccctggt  | 594480 |
| catatgcata | gacaaattta  | gcacgtgcat | gagccaggca | gcagagatgt  | tccgtgtcta  | 594540 |
| ccagtctttt | gtcgatgtac  | atataaacgt | tgtaaccgtc | cgactgcagc  | gcctttacct  | 594600 |
| gcctgtcctt | gaggatttcc  | ttgagaacct | tacgtcctct | ggaaccgtcc  | tcataacagt  | 594660 |
| agattactat | tttctgttcc  | ttgtttacca | ggcaccagac | atacttcttc  | aggaaatgtc  | 594720 |
| tgttcatctt | cacctgcac   | caggtctcgt | cacagttgag | aatggagtcc  | ttgaccatgg  | 594780 |
| cgcggtcttt | cagtctctct  | atcagagcgc | ttgtaaaagc | ggctcctttg  | gcgagccagt  | 594840 |
| tgaccagcgt | catccggctc  | agagacatct | tatgatccga | tatacggtac  | atttcacggt  | 594900 |
| agtaggggac | attcagcaca  | aatgattga  | atgccagggt | agccagaaaag | tccgccgatg  | 594960 |
| catgagtccc | gggaactacg  | tctatgtagt | ccggttctcc | ggctttcggg  | aagtatccct  | 595020 |
| cacgaatctt | gccgtcggac  | tgcttgtaac | ggattacctg | atattttgtg  | tccaatatat  | 595080 |
| agcttatctg | ctggtaagaa  | tacttgtaga | aggtcttgat | gattacggca  | tctttcggca  | 595140 |
| gccggctgaa | gtctgaatcg  | tgacatactg | acttgctctg | cttcatacgc  | ctgtaagaca  | 595200 |
| ttcccttacg | atagggctct  | tcttcttttt | tctccggtgc | ttgtgaaaga  | gcattcttcgt | 595260 |
| cacttgcgga | gacggatgaa  | ggtcctgaag | ttccgtcaaa | gtcatccttg  | ttctcttcat  | 595320 |
| gagaagggtg | ttcctctttt  | ttcttgctg  | aaatcttctg | gcttttagac  | ccgtacagat  | 595380 |
| tctttctgtc | ctgtttcttc  | tgctctctca | gggccgcatt | ttccttctgg  | agtttttcta  | 595440 |
| ttaggatgtc | ccgactgggt  | atcatctgtt | tcagcccatc | aataaccttg  | acttgagctt  | 595500 |
| gtgagctttc | gttcagattc  | atcagctgct | ctgtcatccg | gtccagcttt  | tccagaagtt  | 595560 |
| ttgcttcacg | ctccttatcc  | gctttacgca | gagcgaagag | ctcgtcaagc  | agcattgatt  | 595620 |
| tttccatgga | attcatatcg  | gaataacgat | ctgtccaagg | ctccgcttgt  | ttttcgcgga  | 595680 |
| gcctcagttg | ttcggccgaa  | gccagtattt | tttcaaattc | acgatcgtcc  | atgtcacctg  | 595740 |
| ttgttatacc | ataaagatac  | tcattttcag | tgacataaac | aaatgtttta  | tataattatt  | 595800 |
| tacctgatat | tcaattgatt  | aattacagga | ttctgtaaca | gcacaactac  | atcctttcac  | 595860 |
| tgtatgctgt | atatggtttc  | atctccctga | cggcataact | gcatgaacct  | gtaaccttca  | 595920 |
| cagaaacgtt | tctcatagag  | gctgaacgaa | cgcctgtcat | agctgaagag  | acggaccttc  | 595980 |
| ctcctgtcct | tggacatgac  | aatgaaaact | tcattcttct | gtggctctcg  | gttcagctgc  | 596040 |
| tggtgaatga | tggatagtag  | ccgttcatac | ttacagcgca | tatcatgaaa  | attacgcaga  | 596100 |
| tagtaaaatc | tgttcattcc  | tgtgacattc | agcataatcc | ctccagtttc  | tctatcagac  | 596160 |
| ttttcaagtt | tcggtaggtc  | aagtttcgtt | gctgtatccg | tattccggtt  | gtcatacggg  | 596220 |
| tgtctatcat | cattcttaca  | ggacagggtt | ccgtattctc | ctttctttcc  | ggagtaggag  | 596280 |
| aagaggacac | ttcctttaag  | gattgtgtat | ccgtttccgg | ttgtccttct  | acctgtaccg  | 596340 |
| gtactatttg | atgtcttgta  | tccttgtagc | atttgtgaaa | gagattgtag  | ggtaccttgt  | 596400 |
| ttctcaaaca | gaaatcctgg  | atggattcac | cttgtggcat | tgcttccgcc  | ttgtagcgga  | 596460 |

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| tgaacagcct | ttcaaaatca | ctgctgctgt  | acatactttt | aatatttttg  | ttacagtagc | 596520 |
| gaaggtcata | ttttttattc | tttgaggcaa  | tacgtcaaaa | ttggatgaac  | tataataaaa | 596580 |
| acttgaatat | atttaacaat | tataagtatg  | tttatgcata | tgtataatga  | aaactcgtcg | 596640 |
| ggcctgactg | ctcagtcctt | tgccgcatgg  | cgctccctcc | gcaggagtga  | ttatggtttt | 596700 |
| actgatataa | atccatcaac | atatggctta  | tcttgtgtaa | caactgcaaa  | ggcctgtctt | 596760 |
| accaatttat | tggcgacagc | aacaacagct  | actttaccag | gtttaccttt  | agatcgtaga | 596820 |
| cgttcaaaac | atgctttaca | ttctgtattg  | cacctaagtg | atgagaatgc  | tgccacatat | 596880 |
| agttgacttc | gaagaattgg | atcgccattt  | ctgtttatgt | gacctttaaa  | gttgacagat | 596940 |
| gttcctgact | gttgatatgt | tgggtataag  | ccaagataac | gcgtaagttg  | ttttgcatta | 597000 |
| tcaaagtatg | taaagccacc | agttgccaca  | attaaagccg | cagctagtgt  | tacaccgata | 597060 |
| ccttttatgg | aagtgagtaa | atccatctgt  | ttcttgaatt | catcattagc  | taatgaagcc | 597120 |
| agttcttctt | ccatatattt | gatttgtttt  | cccagaaaag | caatcgtttt  | ctctattgtt | 597180 |
| ttcttgcatt | tagagtcata | aattggaaga  | acctccatag | aacctttcag  | gttgcttggt | 597240 |
| gctactaact | gcttctttag | ctggcgtagg  | acagtacgtt | tttgtttgag  | aactaaaatt | 597300 |
| gaatcgctgc | gcattctgta | tggagatggg  | tgcattctct | caccgtatag  | tgctataaga | 597360 |
| cgtgcatcaa | tctcgtcaga | ctttatgact  | gaaagcatga | ctttggagaa  | attttttatc | 597420 |
| ttcagagggg | tctccaggct | tactgtaaaa  | ccaaactcgg | aaagcatata  | tacaagcaat | 597480 |
| gtactataat | tgctgtttgc | ttccataaca  | caatgatgtt | catcaactga  | tatcgttttt | 597540 |
| ataaactcac | gaataccttt | agctgtattc  | ttaaaggttt | tggttttact  | gctttttgca | 597600 |
| gaagaataag | caaccacgaa | tgtaactta   | ctaacatcaa | ttccaacgta  | ggtcataagc | 597660 |
| taatggtttt | tataattaca | acgcaacatc  | tatacatctt | tagccatcat  | tgcaaatgcg | 597720 |
| gggtctaact | gcccattgaa | ctatccggat  | tctgatgtaa | aagtgtgggg  | gctgaacatc | 597780 |
| cgatacaatc | taaatgacta | agcttacgtc  | ggtcttattc | cacactttga  | tggtgaaaat | 597840 |
| ttatacaaaa | gtacaacgtt | taattaatat  | acaatgctta | cacaatcttt  | aatttgagaa | 597900 |
| taggttaaaa | tttcttttat | taagaattat  | tttctctatt | ttctttttta  | caatacttcg | 597960 |
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| attggagtta | tagacgttga | caaccatgaa  | tgtatgactt | tgggctctgt  | acagacacct | 598620 |
| gacaacgcaa | cgctggaaag | ctgtgagaag  | aatcttggtg | actggtacag  | ctcttacctt | 598680 |
| atcagcatat | aggaacagct | gaaacgtatt  | tctggcacag | tcgtgtgtga  | tgcgttcttt | 598740 |
| tcaaaggcaa | ctttcatcaa | accattgtac  | gataacggtt | tccacgtaat  | aagccgtttc | 598800 |
| aggaatgatg | ccgtattggt | ttatcccacc  | ttagaaaata | ggacaggaaa  | acgcggacgt | 598860 |
| ccaaaattac | atgacgagaa | aattgacttt  | gaaaatctgg | acatcacaag  | atgtaccgag | 598920 |
| tacaaagtga | acaagggtaa | actttacgga  | ctgaaagcat | actccaaagc  | actcaaacgc | 598980 |
| tttgtgagcc | tggctgtatg | gtaccccatg  | gatggaagaa | cggacaaatg  | gcagctgtat | 599040 |
| ttctctacaa | acgaaatata | gaacgcacag  | gatgtcctgg | actttttacag | aacacgtttc | 599100 |
| caactcgaat | tctgctttcg | ggatgccaag  | caacatgccg | gaatagcaaa  | ctgtcagtct | 599160 |
| acagacttca | ggaaactggc | attccacttt  | aatgcatcac | ttgcagcgat  | aaacctcgcc | 599220 |
| aaggctgcct | gtaagaagat | gggaataaaa  | tattccatat | catcatgcaa  | gtcagtcata | 599280 |
| cacaatgctt | acatgcttga | acgattttatt | tgcgtgtctg | ggattgaacc  | aaacacgcaa | 599340 |

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| ctaattttta  | acgaactatt  | gttttaactt  | tatataaaaa  | tatttttagc  | ttattgatta  | 599460 |
| aaccgatatt  | tgtgtatggt  | ttaatacctt  | taaaaccgta  | tttgatatat  | ttttcctcga  | 599520 |
| agataacaga  | tttaggatct  | atggatgaag  | gttttattaa  | attagggtga  | atacataatt  | 599580 |
| ctttagttgt  | cttgattaag  | tttagtctat  | tcttgctttt  | atcgaataag  | tattgacctt  | 599640 |
| ttgaggatatt | tataataatt  | aatgaacagc  | ctttattgtc  | agcattaaat  | gttttagata  | 599700 |
| atttttccca  | ccccagtaa   | tcagctatgg  | taaaatctga  | tggacgattg  | aaattagtat  | 599760 |
| aatggcattt  | tccacatgat  | gggcgcaaca  | ttaggtgttg  | ataaaaaagt  | attctataag  | 599820 |
| cgtaaatttc  | ctttttactt  | ccattttgga  | atataaatga  | ttcaatatgt  | ccattccacc  | 599880 |
| caatacgcga  | tttatctctg  | aaattttacct | ttataatttt  | ttgtttatat  | tttttttcta  | 599940 |
| tgtatgtgag  | ataatctcgc  | caaacgtagg  | gagcgggcac  | tccatgacag  | acaatatcta  | 600000 |
| ctaggattaa  | tttttctctt  | aatttcttac  | ctatataaga  | ggctaatacca | gctgtttggc  | 600060 |
| agggagttcc  | agaaaataag  | accattaacc  | cttgcttttaa | atcttctttt  | actttgggaa  | 600120 |
| atataatccat | taaatcgctc  | tgtacatatt  | ttgagccctt  | aaattcatca  | cgctcctttt  | 600180 |
| tgttagttgc  | tcgtttatgt  | actactcgaa  | aatgatcagt  | atatccaaca  | ccatatacga  | 600240 |
| cacctccttg  | ctccaaaaca  | taatcagaaa  | tagcgataaa  | ggcagctcca  | cttctacttg  | 600300 |
| tctctatttc  | gtgcatatcc  | ttatgacggg  | cagcgtagat  | ttgaggttca  | gggagattta  | 600360 |
| aacttttatc  | ataattagcg  | tgaaaagcac  | atactttttc  | gcaaagtcca  | caattggtac  | 600420 |
| atttttttgt  | gtcaactttg  | ggatatagaa  | atcctaatgc  | atctggttcc  | atactaattg  | 600480 |
| cgtgatgcgc  | acaaacgctt  | gcgcaagcag  | tacatccaca  | gcaatctgct  | ttgttggtta  | 600540 |
| tttgtatcat  | tttcgagtga  | ttttagattt  | tattgtacct  | aatttttggg  | ggatgaactc  | 600600 |
| tctttcttga  | ttgttgacgc  | cgataaaaata | aatactgcta  | agcgtacaaa  | taatagcaat  | 600660 |
| gaggctaata  | agaataaagt  | tgataaatga  | ttctttaatg  | tagtatgcac  | taatcaaggg  | 600720 |
| aagaataacg  | gctattatgc  | taacaataat  | aatgttcaaa  | taaacatttt  | tcagatatatt | 600780 |
| ggttatggag  | aggccaatca  | ttcctctcaa  | taagattaaa  | cgagcagcca  | gacaacattg  | 600840 |
| tgagatgcag  | attgctatta  | caataacaac  | ctcaggaaag  | tagcctaatc  | gcaagagtat  | 600900 |
| atacgatatc  | ggtaaattca  | tcatttgcaa  | accacctacg  | attattttgg  | aattacgtat  | 600960 |
| ttttccagta  | gcaagcatgg  | ccgtaattaa  | tgggtgtgaa  | atagattcgc  | tcaaagcaaa  | 601020 |
| tattaaaatc  | agttgtacaa  | aaaaaactgc  | atgttcaggg  | actattttta  | gccataatac  | 601080 |
| caagatataa  | tgtgtattta  | ccaatatggg  | taatgatagt  | agaagaagca  | tataaaaagga | 601140 |
| gagacgcgct  | ccttgaaaaa  | ttagagtcat  | catgtactcc  | ttatttcctg  | ctgcgtacga  | 601200 |
| tttggttatc  | tgcggtattga | gtgctgtcat  | aaagtttaca  | acaaactgat  | ttactgcatt  | 601260 |
| atttacttgg  | gaagcgattc  | ctctggctgc  | attaacagct  | ggtccgcaaa  | ataaattaat  | 601320 |
| taccacgttt  | ccaccttggg  | cgcaagcac   | agccgatgat  | gcaccgataa  | aattccatcc  | 601380 |
| ggcaaaaacca | aacatttggg  | ttaatagttg  | tttgtcccat  | acgaaatggg  | aagtgcattc  | 601440 |
| actaaaatgt  | cgtttgcaat  | agttgccgta  | ggtaaagcgt  | accacaagtg  | ctactacgca  | 601500 |
| catcaggatg  | gcataaaaata | tcagcttatc  | tattggagcg  | atggtaatga  | ggtatgcat   | 601560 |
| ggttagtttt  | cctacagcct  | ctaataact   | gatataagca  | aatgctgaca  | tcttttcatg  | 601620 |
| ggcaataatg  | ctggcattat  | agggtatgct  | tatcagggtg  | atagcaaatg  | taagaataga  | 601680 |
| aaattggaat  | accagttcg   | ctgcttccat  | tctcacttca  | ggtatgttca  | tttttagcatt | 601740 |
| caagaaccac  | atacctattg  | tttcggctaa  | taaaatgata  | attcctgaca  | gtataagctg  | 601800 |
| aatagtaact  | gctgatgaaa  | atattttatt  | cagattttcc  | tgattccctt  | ttcctaattc  | 601860 |
| gtatgtaata  | aaacgactga  | tggcggcgaga | aagcgatcct  | gatagaacag  | aaaacatggc  | 601920 |
| tacaactcca  | cccactacat  | tgtaaatacc  | gaaatcttct  | actcctaagg  | cattgagtac  | 601980 |
| tacacgtgaa  | gtgtaaagac  | tgactgccat  | taagaatagc  | atacggaat   | agagcagtaa  | 602040 |
| tgtattcttg  | gctattcgct  | tattgttttc  | tgctgtattg  | ctcattattt  | atagtataaa  | 602100 |
| gttccacagg  | aaagtacggg  | ttctgttaat  | taaacttggt  | cttatgttcg  | tacttcctgt  | 602160 |
| aaataatcag  | gtaacgcttt  | gccttatttt  | ttctgttgat  | tcttattatt  | gttttgacca  | 602220 |

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|            |            |            |             |             |             |        |
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| tcgaatccat | atccataacc | ataaccgtaa | ccatagccct  | taccgtaacc  | atacttggca  | 602280 |
| ccgtaaccgt | agccgtagct | gttcttgctg | ttgtctcatgt | cgatgtcatt  | aatgacggta  | 602340 |
| gccagtttcg | ggaacttatg | ctcgtcacgc | agcacattga  | tgtagcggta  | gccggctttt  | 602400 |
| ggagttacgt | cggcacggca | tacatataca | cagatatccg  | ctacacggcc  | aatgatggcg  | 602460 |
| gtatcggtta | ccataccgat | aggtgcggta | tcgagaatca  | catagtcgta  | aagttccttc  | 602520 |
| aattggttga | tggcgtcatc | tagtacgctg | cgtgccacca  | gttcggtcgg  | gttgggaggt  | 602580 |
| accggtccac | ccggcaggat | gtcgaggttg | ggactgatgt  | ccgaacgctg  | gatcatgtca  | 602640 |
| gtcagcttca | catgttcggg | atcactcagg | tagttggtga  | taccttcggc  | acggcggctc  | 602700 |
| aggttgaaca | ccttgttcag | accgggctta | cggatatcca  | tacctaccac  | gatgaccttc  | 602760 |
| ttaccaaga  | aagcaagact | tacggcggtg | tttcctgcc   | caaacgattt  | accttcaccc  | 602820 |
| ggctgggtag | aggagaagag | aatcactttc | tgactctttt  | ccagcatgaa  | cagcaggttg  | 602880 |
| gtacgcaggc | cgcggaaggt | ttcttccatg | atatcgttct  | tgttctcgcg  | caccacgatg  | 602940 |
| gcaccgtgct | ccggcttttt | gcaacgaggt | agttctgcc   | gaatggatac  | gtcggtcagt  | 603000 |
| ttttccacgt | cttcccgggt | ttctatcttg | tatttcagca  | ggtcgcgcag  | gtagacgata  | 603060 |
| cccaccggaa | tgcccagccc | gaggataagg | gcggcaaggg  | cgatgatttt  | ctttttcggc  | 603120 |
| gataccggat | ctttgtcagc | ctgtgcttcc | tcgatgatgc  | gtccgttggg  | agcagtggca  | 603180 |
| gccagggtag | tggcgttttc | ctcacgcttc | tgacgcagca  | tgatatagag  | ctgtgccttg  | 603240 |
| atttcttgct | ggcgggagat | ggtgagaaac | tccttttctt  | gttgaggggc  | actgctgata  | 603300 |
| cgtccctcga | acttgcgtgc | ctgacggctg | atgtcggcac  | gggtaatctg  | gagtcctttc  | 603360 |
| agtacactag | ccacggtagt | ctgtacgttg | tgacgcacgc  | cctcgatacc  | ggtattcatg  | 603420 |
| ttcaccacgg | ctgggttggt | ttcactcgag | gtgcggagca  | gccgcttgcg  | ttcgatgagc  | 603480 |
| atgttggtgt | actggtcgat | gaccgaactc | aggttctggt  | cctgcaagcc  | tacgttggaa  | 603540 |
| ggaatcacct | cctgttctgt | ggcaggattg | ttgatatagt  | cgcgcaggaa  | ctctaccaga  | 603600 |
| cggatttggg | tctggttctc | gatgcgcac  | tgttcgtact  | tggagttttc  | ctgcagggcc  | 603660 |
| agttgggctg | cgctggtcag | gtcggtcagt | cccgatctct  | gcttgaagtc  | agccagctgg  | 603720 |
| gtttcgggtg | tgcccagctc | ctgggtgatg | atgccgatac  | ggctctcgat  | gaagtcggcg  | 603780 |
| gttttctgtg | ccacctcggt | cttctcgtcg | ttggcatcct  | ggttgtagaa  | ggctaccagg  | 603840 |
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| gtagtggttt | tcgaggcgga | ttctaccgtc | agattttcac  | cgtatgactt  | tgccacggct  | 603960 |
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| tttaccttca | gcttgccctc | aggggtgtag | gtcagtttca  | ggcgggcacc  | ggcttccagc  | 604200 |
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| ttatagccca | gcatacggtc | ctttgccaca | gaggtataga  | gtcccaattg  | ggttaccacc  | 604320 |
| ttgcggatga | gggtgcggct | tttcaggatt | tccacttcgt  | tgtcgaagtt  | attgctcatg  | 604380 |
| gaaagtccgc | tcaggctctg | catggcttcg | agggctcctc  | cggcagctcc  | catgccgcgc  | 604440 |
| ttgctggagt | cgtcttcctt | gatgagtacg | gcggaagtta  | cgttggtacac | gggtgcctga  | 604500 |
| tagcgcagg  | acgcaaaggc | gaggatgagg | cagacaagga  | cgcttgccac  | aaaccaggac  | 604560 |
| cagtaagcaa | ggtatttaaa | gaagatggca | tacaggttga  | tgctttcttc  | gtgctgctgt  | 604620 |
| tcgttggtca | gattctgttc | ttctgtcatg | atgtttgctg  | tatattcttg  | ttttgtggaa  | 604680 |
| agattatcgt | aaaatgttga | ctagcaagct | ggcaatggat  | accagaatag  | acgttgccga  | 604740 |
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| gacatagagg | atgtcgttct | gctgcaggta | gaagtagggc  | gagagtatca  | ggtcactctt  | 604860 |
| ggtgaggtcg | agcagcatga | tctcgcgctt | gcccgtagca  | tcttcacgga  | tcagcttcac  | 604920 |
| attgtcgcgt | acaccgtaca | cggcatgtc  | gcctgccatg  | gcaagggctt  | ccagcacggt  | 604980 |
| cactttttcg | ttgtgacgg  | tgaaggtacc | cggacggttc  | acttcgcca   | gtacggaaat  | 605040 |
| ctttagtatt | gccatgcgca | cggtcacgat | gggtgttttc  | ttgagatagg  | gcttcagtcc  | 605100 |

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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
| ttcgcgtatc  | agatcttccg | cctgattctt | ggtgagtcgg | cctaccttga  | ggcgtcccag  | 605160 |
| tacggggaag  | tctatctctc | cgctgttggt | taccagatat | tgctgcagcg  | tgggctgcgt  | 605220 |
| ggttgatttg  | atgttagtca | gtgccgcgtt | cagtggagtc | tgtacagtca  | ggttgaaggg  | 605280 |
| agccgctgcc  | tgccgggtcg | tggtattgat | tgtgatactg | agcagatcct  | tgggcatgat  | 605340 |
| cttggcatcg  | tagagtggaa | tctcttttcc | gtagttgttg | accgcttccg  | ggttctgcag  | 605400 |
| gtaaggatca  | ttctttagg  | aggtacatcc | cgacagtcct | gccagtagta  | ccagtatcag  | 605460 |
| tgtgaatgct  | ttgaatttca | taagatagat | atgtttgtag | atttgtattc  | ggtgattatt  | 605520 |
| ttcccatcag  | acgggcaaag | aagccttttg | gcttttcggg | ttcgtattcc  | gtttcgtact  | 605580 |
| tgtgcatcag  | gtcttcatag | gaaagcttgt | tgcgtagcat | ttcgtagatg  | gttccccagt  | 605640 |
| cgggcagtc   | gcccagggtg | cggtcgtcga | taaagacgtc | tgcccttcagc | ttgcgcgaat  | 605700 |
| agtgggtgtt  | ctgtcccttt | tcctcttcgg | gatagtcg   | ggtgatggca  | tagaattcca  | 605760 |
| gtccgcgctc  | acggcagaac | tgtacggctt | cgccagcag  | gcgtcccttcg | cgtagcgtcc  | 605820 |
| acagaatcag  | cttgtggcgt | tcggcctgca | gtttcttcaa | tggttcaatg  | gcaaaaggaa  | 605880 |
| tctccttccc  | gatggaagg  | tacttgtgtt | cgacgatggt | tccgtcgaaa  | tctacggcaa  | 605940 |
| taatcatttt  | gtcaaattag | atataaataa | atatttacta | gtaagctgtt  | aataatgcca  | 606000 |
| cagtatgggc  | aacttcatgc | ttggtttcga | gagaagttgc | ttaaataatg  | taagggtgtgc | 606060 |
| atgttgctac  | tttctgtga  | cattgcgtaa | aagcaatatt | tttgaagttt  | cgggcatgga  | 606120 |
| acacaaatag  | tggtatcgg  | acgccagagg | gtttgtaccg | atctatgaat  | aatgagctat  | 606180 |
| ttgtctgtaa  | taaaatttat | tcggagacga | attcgacca  | ggtgtagctg  | actttcagca  | 606240 |
| ggcggtgct   | ctgaggcatt | tcgatggcta | cataatggcg | actgccgtag  | cgcatgagtt  | 606300 |
| tgccggtgat  | gccgaaaagg | ggacctttct | tgatgatg   | taccggcatg  | ccttctttgt  | 606360 |
| ctttcagttt  | ttgtggatca | ataaagcgtg | tgccctgaat | acgggggtcg  | gtggcgcgca  | 606420 |
| tgaaattgtt  | catctctttt | tcggagatgg | tacagtattc | tcggccgtct  | cgttcttttt  | 606480 |
| taagaaaata  | aagcgggtag | ggggaggtct | gcaacaattt | gtagcaccag  | tccttgtcgt  | 606540 |
| attcgcgatg  | tatgaagagc | agattgtgaa | tggcgggcac | cagaacgtgc  | tcacactctc  | 606600 |
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| ggagaaaattc | ggctacctgt | agttccttgt | tgtagatggt | ttgcaggggc  | agccatagac  | 606720 |
| gtctttcctc  | tttttctcct | ttcatgttct | ttgggattcc | tttttgaggg  | ggttgttatt  | 606780 |
| cataaggggca | tatattctct | tctcctccat | agtttgtata | ttgctatgaa  | gcagatagtt  | 606840 |
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| aacgggtagt  | ttttgtgggt | tttaggattt | ctttggtttc | tctttgcttg  | tgtcctcttt  | 607020 |
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| acgcgtgaac  | cggttacgcc | gcaatcgaaa | gcaatgtcgt | tcaagtagtc  | gagttcttcg  | 607440 |
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| atctcaagg   | tacagtcg   | cagaaattct | acttgcggat | atttcttctt  | gagggttgcc  | 607680 |
| actacgtttt  | cgcaactctg | gcggcgcttg | ttgtaggctg | aagatgccag  | ttcgtgctta  | 607740 |
| acgactgagt  | ctaccagtac | cagacggtag | ccttccggac | ggaaggggaa  | gtactgatata | 607800 |
| tccagtgaac  | ggcagtcgag | gcgcacag   | ctgccttcc  | tgccgaatac  | ggatgcaaac  | 607860 |
| tgatccatga  | taccgcagtt | cacaccgcag | tagttgtgtt | cggtagcctg  | acctactttg  | 607920 |
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|            |            |            |            |            |             |        |
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| gtcgactcga | gggcggcaga | agatgacatt | ccggctccca | gaggaacatc | gcctgcaaaa  | 608040 |
| gcggtattga | agcctttcac | gtctactccg | cgcttgatca | tttcgcggca | tacgccgaat  | 608100 |
| atatagcgtg | cccagcttgc | tttgggagca | tcttcttcgt | tcagaccaa  | ttctacatag  | 608160 |
| tctttcaggt | cgatggaata | ggcacagact | ttatcttttc | cgttgggctt | gattttctgcc | 608220 |
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| ccaatcaggt | tgatacgtcc | cggagaagta | taaatgcttc | cgtttgtgcc | gtcgaagtgt  | 608340 |
| ttgatgaaac | ggcttcttac | atattctata | tccataatgg | tataagcttt | aaaggttaat  | 608400 |
| attgttggtc | tagttatatc | agtctatcaa | tctacagga  | tatccttggt | tacattcttg  | 608460 |
| caaccgatca | atccgtagaa | cagcaggtat | gccaacatgg | cgatgatgag | ccagtagctg  | 608520 |
| ttcatgtagc | cggctgagtc | ggagatgaac | tgctgtaaca | gcggcaggat | accaccacct  | 608580 |
| actaccatca | tcatgaagat | accggaagcc | tgtgcggtgt | atgtgccgag | tccttctact  | 608640 |
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| gatacaacga | tgagctgtac | acggctggat | actttaccgc | tgataacgct | acttgccaga  | 608880 |
| cggcctacca | gcatgagcaa | ccaatagatt | gcggcaatgg | ctccaccgat | agctgcaccg  | 608940 |
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| gggataccta | cttcaatacc | tacatagatg | aagataccga | taacgccag  | tacggtgtgg  | 609060 |
| cggagctcc  | acgggctgtg | agagaatttt | tctttctcta | ctttgccttt | gcgcaagtgg  | 609120 |
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| tacacccggt | tctgtggtat | aaacttccag | tgtacgtccg | cttggttggt | caacacattt  | 610080 |
| ggctgcaaa  | acaagtgttc | ctgcttcacg | cttggtgatg | acatagcagt | ggtcgtatcc  | 610140 |
| ggctccgtat | accaactgct | ggaatggctc | gttgatgcgg | ctgcctacgg | tgtgaggagt  | 610200 |
| acggaaatcc | attggagtgc | cttctacttt | cagaatctct | cctgtaggga | tagatacttc  | 610260 |
| atccatagga | gtgtagaagt | cggcgttgag | agtgactata | ttgttttcta | cgctggcggt  | 610320 |
| aggagtgtcc | agaccgga   | gactgaaaaa | tgcgtggtga | gtaagattga | caattgtacg  | 610380 |
| tttgtcggtc | gttgccgtat | aggttatgat | aaattcattc | tggttggtaa | aggtatatac  | 610440 |
| cacagtgaca | tcgaggttcc | cgggaaatcc | ttcttcaccg | tcggccgaga | ggtaatggag  | 610500 |
| cttcaggctc | tgcttgctgg | tctgttcggc | atcccatagc | cgtgcatgaa | aacctgtcgg  | 610560 |
| tcctccgtgt | aatgaattgg | gtccattggt | gatggtgagt | ttgtattctt | ttccgtcgag  | 610620 |
| caggaagctt | cttttgcgga | tgcggttgcc | gtaacggcca | accagggtgc | tgaggaagg   | 610680 |
| ttccggactg | ttgattacgc | tttcgatgtt | gtcatggcct | tgtactacgt | tggccagctt  | 610740 |
| gccgttcttg | tcgggtacca | tgatggcaag | gagagcacct | ccgtaattgg | taactgccat  | 610800 |
| ttcggcacca | ttgtcatttc | tcaggataaa | taaatcggtt | tccttgcttc | cgatgttctt  | 610860 |



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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| ctggaagtcg  | gctcttttca  | ggccgcaaag | gttattttcg  | taataaaatg  | tgttattcat  | 610920 |
| gttttggatt  | ctatatgttt  | atctttatta | taggtataat  | atgtatgcaa  | ataaaaagat  | 610980 |
| tttattcaaa  | atacaciaaac | aatctgttta | ttttattcgc  | tcgggaagca  | ggtagaaagc  | 611040 |
| aaatcggcaa  | cgataaaaact | gcttccgcct | acaaatatga  | agtcgtcggc  | accggcttgc  | 611100 |
| ttctgtgcgg  | cttcgactgc  | tgttttgaca | tcgggatagg  | cctcgcccga  | cagtccgtat  | 611160 |
| gagtttgcca  | gttctttgac  | tttctcggcg | ggcagagcac  | gctgtacgct  | ggcacgggtg  | 611220 |
| aaataatatt  | tggcatcttt  | gggtaacatg | gcaagtacgc  | cgctgatgtc  | tttgtcgttt  | 611280 |
| accattccga  | tgacgatgtg  | gagttgcttg | tatttctgga  | aggacagttg  | tttgacgatg  | 611340 |
| tactggatgc  | ctcctacgtt  | gtgtcccgtg | tcgcatacga  | tagcaggggtg | gctggagagt  | 611400 |
| ttctgccagc  | gtcccacag   | accggtcagt | tcgcatacgt  | gggcgaatcc  | gtttcggata  | 611460 |
| tcagtttcgg  | ttatatggta  | gccttgctgt | tcgagcaggg  | ggagggcagt  | aagcagtgtg  | 611520 |
| ttggatttct  | tttcctgaca  | aagtcgcgcc | agttcacctt  | tcaggtcgtg  | gaaacgggtg  | 611580 |
| gtctggtaga  | ggtaatttcc  | tgcttcatcg | tgtgaggcgc  | tcaacagtgg  | atgttcttct  | 611640 |
| tcggcaaagt  | agatgggggc  | atgtacttcg | gctgccttct  | ggaggaacac  | gggtttgggt  | 611700 |
| tcaggagtgg  | tctcgccgat  | aacgacgggt | acggagggtt  | tgatgatgcc  | tgctttctca  | 611760 |
| cctgctatct  | tggctaagggt | atttcctaag | aactgtacat  | ggtcgaagct  | gatgttgggtg | 611820 |
| atgaggcaca  | ggtcaggatg  | aatgatattg | gtgcaatcca  | gtcgcccgcc  | cagcccgact  | 611880 |
| tcgatgacgg  | ctacgtcgac  | ttgctgactg | gcaaaatagt  | gaaatgccat  | ggcggtagcc  | 611940 |
| agttcgaaga  | aggaaggatg  | aaggggttcg | aagaaagaag  | gatgaagggg  | ttcgaagaaa  | 612000 |
| gaacggtgct  | tttccacaaa  | atcgacaacg | aatgcttggtg | aaacggggac  | tccgttgatg  | 612060 |
| cggatgcgtt  | cgcggaagtc  | gaccagatga | ggagaggatg  | aaagtcctac  | acggtagcct  | 612120 |
| gccgactgaa  | gtatggcggc  | caggggtgtg | gagcaggagc  | ctttcccat   | ggtgcccgct  | 612180 |
| acatgaatgg  | tgcggaatgt  | gcgggtgggg | tgtccgaagt  | attcatcgag  | tgccagtgtg  | 612240 |
| ttttctaata  | cttctttgta  | tgctgccttt | cctacatgct  | ggaacaaggg  | agcgctattg  | 612300 |
| tataagtatg  | tgagagtttc  | ctgatatgtc | attgcgctta  | tgatattttt  | aactatgcaa  | 612360 |
| agttaattta  | tttatcgaca  | tattgatcag | taccaccacg  | gataatcatt  | ttttctgccc  | 612420 |
| tctatgccta  | tactgaacga  | gctgctttcg | cccaccttga  | agttgatcat  | gccgcctatg  | 612480 |
| cggtcggggg  | catagttagg  | aaggggataa | tagtagggag  | agcgtttggg  | gttgaaagat  | 612540 |
| ttgtttccgt  | aggcgtagat  | gctgattcgg | tcggtcagtt  | tataggccgc  | cactccggca  | 612600 |
| atacctactt  | tatggtagcg  | aaggaatccc | cagtccatgt  | tactggcata  | aagtcctccg  | 612660 |
| gctacactga  | gacggtcgggt | cacgggaaca | gcgtacatga  | aggcggcatc  | ctgtccgaat  | 612720 |
| cctactcccg  | aaggggcata  | ccggctgggg | ctgaagggtca | ggttcagacc  | gatggaagcg  | 612780 |
| ttgaatcctt  | tatggagctg  | ccacgtagca | tagccataat  | cgaacgggggt | aatgccgtac  | 612840 |
| ataccgaaaag | gggcgacaaa  | tcccggctgc | ggaatggggg  | aggaaagggg  | aacgctcagg  | 612900 |
| ctgtctttgg  | ctacgggtgag | tgcggtttcc | gttggggagg  | cagctggaac  | ttctgtttca  | 612960 |
| gtggctgcta  | gtttttgctg  | gttttccgtt | tgcgcaacag  | cagtgaagtgg | ggacaagata  | 613020 |
| gcaactaata  | gtagaatgta  | taatgatttc | atctgtttta  | attttttgta  | atggctcgta  | 613080 |
| tcaaagatat  | ggaatttttg  | aaagtgccgt | tcgggctgca  | acagagatta  | acgcagatta  | 613140 |
| acgctgattt  | ataagaaaaa  | agggtacaac | acgacaactt  | tttgggtgat  | agttgccttg  | 613200 |
| ctgtaccctt  | cttttatcgg  | ggaggaagtg | tccgatgctt  | aatcgaacag  | acttctgaat  | 613260 |
| ttcttgaaaa  | tcttctcttt  | caggctgatg | ttgggcttga  | agctttctga  | ttcctgccat  | 613320 |
| ttttcgagtg  | cctgacgttc  | ttcttttgct | agtttctccg  | gaatgtatac  | gctgacgttg  | 613380 |
| accagtaggt  | cgctgtttcc  | ggtgctgtat | ccgtaactat  | tgatgttttg  | caatccctta  | 613440 |
| ccacgcagac  | ggagaacctt  | acctggctga | gtacccggct  | caatcttgat  | cttggctttt  | 613500 |
| ccatcgatag  | taggtatttc  | tacggtagct | cccaaagcag  | ctgtcgggac  | gctcagtagc  | 613560 |
| aggttataaa  | tcaggctcgt  | ttcatcacga | atcaattccg  | gatgcttttc  | ttcttcgatg  | 613620 |
| agaaccagca  | agtcacccgg  | tacaccgttg | tgctttccgg  | cattaccttt  | accgttgatg  | 613680 |
| gtaacctgca  | tgccttcggc  | tacaccggca | ggaatcttga  | cgctgactac  | ttcttcaccg  | 613740 |

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|             |             |             |             |             |            |        |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| tatacgatgc  | cttcgccacc  | gcatttcctta | cattttgtttt | tgatgatttt  | accttcaccg | 613800 |
| ccgcactgag  | gacaaacggt  | ctgagtttgc  | atcataccga  | agatgctctg  | ctgggtgcgt | 613860 |
| gtaacgcttc  | ctgttccgtg  | acaggtagga  | caagtttcta  | caccgccgtc  | gccttcggct | 613920 |
| cccgtaccat  | ggcaatgtga  | gcactgtacg  | tatttcttga  | gtttgaattt  | tttctctact | 613980 |
| cctgtggaga  | tatctttcag  | gttcagttta  | acctttacac  | gtaagtccga  | accacggaac | 614040 |
| ttacgctggc  | ggggctgtga  | acctcctccg  | ccaaagccac  | cgaaacccgc  | atgtccaccg | 614100 |
| aaaatatcgc  | cgaacataga  | gaaaatatca  | tccatagaca  | taccttgctc  | gccaaatcct | 614160 |
| ccgaagccgc  | ctgcaccggc  | tgttccgtct  | acacctgcat  | gtccgaactg  | gtcgtaacgt | 614220 |
| gcacgtttat  | cggggttgct  | gaggacttcg  | taagcctcgg  | ctgcttcttt  | gaacttttct | 614280 |
| tctgcctcct  | tgtcgcccgg  | atttctgtcg  | gggtgatact  | gaatggcttt  | tttacggtat | 614340 |
| gctttcttta  | tttcatctgc  | tgaagctgac  | ttgtcgacac  | ccagcacttc  | ataatagtct | 614400 |
| ctttttgcca  | taatcaacga  | gatttaggaa  | ttactgtgct  | acaacaactt  | ttgcgtggcg | 614460 |
| gattactttg  | tcgttcaatt  | tatatccggt  | ctgtacgcag  | tcgagaacct  | ttcctttctg | 614520 |
| ggcttcatcc  | ggtgccggtg  | ccagtgcgat  | tgcttcgtgg  | tagtcggtat  | cgaaggtttc | 614580 |
| gcctacaggt  | tccattttct  | gaagcccttc  | ctgtgccaga  | actttgtgga  | acttttgga  | 614640 |
| tatcagatcc  | aaaccttcgt  | acatagattg  | tacattgtca  | gctttctgca  | tgttctgtaa | 614700 |
| agcacgttcc  | aaatcgtcaa  | gaatcggaag  | gatagcactg  | atagctttct  | caccgccggt | 614760 |
| cttgatcagt  | tcggcttttt  | ccttcatggg  | acgtttacgg  | tagttatcga  | attctgctga | 614820 |
| aagacgcaag  | tatttgcctt  | tttgccttc   | gatggtcttt  | ttagcctctt  | ccagctcttt | 614880 |
| ttctaacttc  | tgttcggaag  | tgagttcttc  | actttcttct  | tcagtgtgct  | gagcgttctg | 614940 |
| agcttgggat  | tcggtctggt  | ccgatgcttt  | ttcctgctgc  | tccttcagca  | cttcgttttc | 615000 |
| ttcttgtgaa  | tgatgatttt  | ttgttgtcat  | gatgttatct  | gtttttattt  | cttattttct | 615060 |
| ttggtatagt  | atacgtgagt  | tccctataca  | aatttcgtgc  | ccgagtggaa  | taacaggcaa | 615120 |
| atttgttgca  | aaaataactaa | attttgtcat  | actgacagcg  | aaaaaggctg  | ttgacttgcc | 615180 |
| cttcacgccc  | ttcactttgt  | gttagagaaa  | gtaaaaatat  | cggcagggtt  | ctgcggtaaa | 615240 |
| aagcttgctt  | tttgtcttat  | gtgaagggcg  | tgaagggcaa  | aaaaacagat  | ttctttctta | 615300 |
| tttaccggat  | gaaggccgtg  | cgggggaaga  | taatctcggt  | atctttgggg  | gagggggtat | 615360 |
| attttcggtg  | agttagggca  | ctaaaaaacc  | ggctttatac  | attgggttct  | gggggcaatg | 615420 |
| gaacaaaagca | taaaaccggt  | atatgaagaa  | ttatgattta  | tttcagttat  | tttttcaaga | 615480 |
| cttctttgat  | gcgatcgata  | acttccggat  | tgggaagccc  | ttttttctcc  | atgatgaggg | 615540 |
| aagcgaaatt  | gtcggccaga  | atctcttccg  | gattgacaat  | atactccgta  | ttctttccga | 615600 |
| ttttttcgta  | aaagtcttca  | gcctgttcaa  | cgggaacaat  | gattgtcttg  | ccgctttctt | 615660 |
| gtaccggaac  | gaaatgttca  | ttcagaggta  | taagtccagt  | tttcatataa  | tcgaagagat | 615720 |
| tgcttcttct  | atatgggctg  | tcggtatagg  | ttaccatggt  | gtagttttga  | gtggtaccgt | 615780 |
| ttacggtaaa  | aggtgcatag  | ctgtcgtaac  | ggctgatgtc  | cgggttgga   | attcgttttt | 615840 |
| ccatgaggtc  | tgtaggaaaa  | ataatttcac  | gatcgagtac  | cgtaaataccg | atggtctggt | 615900 |
| atactgcctt  | tttgaaattc  | agatcgtagc  | gggtaaggat  | atgaaacagc  | tcgtgtgcca | 615960 |
| ccagcgattt  | taactgtggt  | tcttgtgctg  | tattcagtag  | gttttcgctt  | atcgcaatcc | 616020 |
| agttttttacg | cgtataggca  | tctgtctctc  | cttcttctctg | catggacgtc  | tttatcagaa | 616080 |
| cgatctcatc  | gggataatgc  | aaggtgagct  | tttgcctttt  | gatggaagct  | atgactccat | 616140 |
| tgaagcatt   | tgttaccttt  | ttcttatctg  | catcgctcca  | gttctgtaca  | caactcatgg | 616200 |
| ccagtgtcag  | tagttgtgat  | tttgcctctt  | cattggtttg  | catccggacg  | ttaatgtcaa | 616260 |
| actgattcca  | gccgttggta  | tactggtcga  | tgtctgtaat  | gagcatctgt  | gcttcagctt | 616320 |
| tcgtcgcaaa  | acggaagaga  | ggattgtttt  | gtcccttttg  | ggcaaatacct | gctatcgtag | 616380 |
| tcaggcataa  | gcagacggcg  | aggagtgtgc  | gtgctaattt  | cataatatac  | cctccttgat | 616440 |
| ttattcttta  | tcttttagag  | ctgcaaagat  | caatccttcc  | agttcttctg  | ccagttcagg | 616500 |
| gttgcctga   | atacactgtt  | tggcagcatc  | gcgtccttgt  | cccagcttgg  | tatcgttgta | 616560 |
| gctgtaccat  | gatccgcttt  | tcttgatgat  | accagttcgc  | gctcccaagt  | ctatgatttc | 616620 |

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|             |             |             |            |             |            |        |
|-------------|-------------|-------------|------------|-------------|------------|--------|
| tccgctgcgg  | gaaatacctt  | caccgaacat  | gatatcgaat | tctgcttttc  | tgaacggggg | 616680 |
| agctaccttg  | ttctttacca  | cttttacgcg  | agtctgatta | ccgattactt  | cctctccatc | 616740 |
| tttaataggc  | tggcctttac  | ggatatccag  | acgtacagaa | gcataagaatt | tcaaggcggt | 616800 |
| acctccagta  | gtggtttcgg  | gatttccgaa  | catgacacca | atctttttcac | gtaactgggt | 616860 |
| gatgaaaata  | caggttgtat  | ttgtcttgct  | gatagcggaa | gtcagtttac  | gcagtgcctg | 616920 |
| tgacatgagt  | cgtgcctgca  | atcctactcg  | gttgtctccc | atatcgccct  | caatttcagc | 616980 |
| ctttggagtc  | agggtgcaa   | cagagtcgat  | cacaatgata | tcgatagcag  | acgagcggat | 617040 |
| taactgctcg  | gctattttcca | gagcctgttc  | accgttgtcg | ggctgtgata  | tccacagatt | 617100 |
| gtcaatgtct  | acgcccagtt  | tggcagcata  | aaagcggtcg | aatgcatgct  | cggcatcgat | 617160 |
| gaaggcagca  | atacctcctg  | ccttttgtgc  | ttcggcaatg | gcattggatg  | ccaaagtagt | 617220 |
| cttaccggaa  | gattccggac  | catatatttc  | tataatacgc | cctttggggg  | agccgcctac | 617280 |
| gccaaagtgc  | gcattgagtg  | cgatagagcc  | agtaggtatt | acttctacct  | cctgcacatg | 617340 |
| attatcgccc  | attttcatga  | tagagccttt  | tccaaagctt | ttttctatct  | tgtccattgc | 617400 |
| ggcttgaagg  | gctttcagtt  | tttactgttt  | attgttatta | ggttggggag  | tgtcaactcc | 617460 |
| tccttcgaat  | gctaattcat  | cttttttcgc  | catatctgat | agttttatgt  | gtcaagaatt | 617520 |
| gattgagggg  | taaaagtaat  | aaatttatcc  | caaaatctgt | gcagcatggg  | ctttggtttt | 617580 |
| cacttctttt  | ggggaaataa  | tccgttcgat  | gataccttct | tcattgatga  | tgaaggttgt | 617640 |
| acggaacgtt  | cccatgtatt  | ttcttccata  | catgcttttc | tctccccata  | caccgaattc | 617700 |
| ctgtaccagt  | ttctgttctg  | tatcagcaat  | cagggtaaac | ggaagattgt  | tcttttctat | 617760 |
| aaatttctgg  | tgtgatttct  | gatcgttgat  | gcttacgccg | atcacttcat  | atcctgcctc | 617820 |
| acggagtgcc  | gtatagttat  | cgcgcaggtt  | gcattgctgt | gccgtacaac  | cagaagtcac | 617880 |
| atctttggga  | taaaagtaca  | aaacaacttt  | cttccctttg | taatcgctca  | aacggatttc | 617940 |
| ttctcctttt  | tcgttttaggc | ctaataattc  | gggggcttta | tctcctacat  | tcataaatag | 618000 |
| atagagtggg  | aaatgtttct  | gtttaaatca  | ttgaatgaga | tgtctttatc  | cagattttgc | 618060 |
| tggtggaatc  | cgactaaaac  | tggaaatagac | tataagaatg | tgatgtatac  | ttcttacatc | 618120 |
| acattcttaa  | tttttattag  | ataaaaataca | taccggataa | aataaattac  | ccgcgatttc | 618180 |
| caaagagagt  | attaaagtcc  | gaggtcgcca  | tcgaatactt | cgtgccaggg  | cagtccgtat | 618240 |
| ttattcagag  | catccatgaa  | cggatccgga  | tcgaattctt | ctacgttcca  | tacaccgga  | 618300 |
| cgtttccata  | agcctttcag  | gaacatcatg  | gcaccaatca | tggcagggtac | tccagtagta | 618360 |
| tagcttacgc  | cctgcatgcc  | tgtttccttg  | taagcagcct | gatgtgaaca  | gttgttatat | 618420 |
| acataataag  | tatgttcttt  | tccatctttt  | acgccacgga | tacggcaacc  | gatagaagtt | 618480 |
| tctccatcgt  | agttctcgcc  | cagatcctgc  | gggttaggca | atacggcttt  | caggaactgc | 618540 |
| aacggaacga  | tttccattcc  | attatagttg  | atcggttcga | tacttgccat  | acctatatcc | 618600 |
| tgaatgacac  | gcaagtgagt  | caggtattcc  | tgtccgaacg | tcattccagaa | gcgtgcgcgt | 618660 |
| ttgatggtcg  | ggaaattctt  | gaccaatgat  | tccagttcct | cgtggtacaa  | caggtaagag | 618720 |
| tcacgcggac  | cgatgttcgg  | gtaagtcaag  | tccttatgga | attccagcgg  | tttggttgta | 618780 |
| atccattttgc | cgttttcata  | ataacgtccg  | ttctgggtaa | tttcgcggat  | attgattttc | 618840 |
| ggattgaagt  | ttgtagcaaa  | tgccttatga  | tggtttcctg | cattacagtc  | gacgatatcc | 618900 |
| agatattgga  | tttcatcgaa  | gtgatgtttg  | gcagcataag | ccgtatagac  | accacttact | 618960 |
| cccgggtcga  | atccgcatcc  | caagattgcg  | gtcaggccag | cttcctcaaa  | gcgtttcttg | 619020 |
| tatgccatt   | gccaaactga  | ttcgaagtga  | gcttcgtctt | tcggctcata  | gtttgccgta | 619080 |
| tccaggtagt  | ttacgccgga  | tttcagacaa  | gcttccatga | tggtcaggtc  | ctgataagga | 619140 |
| agagctacgt  | taataacgat  | ttcgggttta  | aaaccattga | ataaagccac  | cagttcgtct | 619200 |
| acattgtctg  | catctacctt  | agcggttttg  | atgttgggat | taccgattgc  | ttttacaatc | 619260 |
| gcgtcacatt  | ttgactgggt  | gcggctggca  | atcatcactt | cgctgaatac  | ttcaggatgc | 619320 |
| tgagccactt  | tgtgtgaac   | aacggtacct  | acaccgcctg | caccgataat  | taatacttta | 619380 |
| ctcatttatc  | ttaattataa  | tcttaaatgc  | ccggtaaacg | ttaccgttca  | atatgcaaag | 619440 |
| ataagaaatt  | ttctaaaacc  | tcattgcagta | ttccgattat | atccgtattt  | ttgtaataga | 619500 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| taaagttggt  | tttggtaaac | tatttgatgc  | catctttgtt  | atttaagcaa  | gagatttgta  | 619560 |
| atattttaag  | ttaatggatt | taatttttta  | atataaatat  | gactgatatg  | aagacgaagt  | 619620 |
| tttggggagt  | aactgctgtt | tgtacaggag  | ctttgatgat  | ggcgatgact  | ggatgcagca  | 619680 |
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| gcgaaaaaat  | aaatacaagt | gaaatgcctt  | atatcggcac  | ggatgtggaa  | gctaagcgta  | 619800 |
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| cgggcgttat  | tcattttact | caagtggcta  | catctcgtat  | gatgtgtccg  | gatatggata  | 619920 |
| ttgaaaaata  | ggtgattggg | gcattgaata  | aggtgaacgg  | ctatgcggaa  | acagcagatg  | 619980 |
| gcgtggcctt  | gaccgatgcc | gatggcaata  | cagtcacatg  | tttgaaaaaa  | cggcaagttc  | 620040 |
| ctgaagtgtc  | tgtgaatgac | ctggcagggt  | agtggatcat  | ttcgtcgggt  | aatggtacag  | 620100 |
| aattgggcaa  | acaggaaaaa | actcctttcc  | tggcattcaa  | cgtagaggag  | aaaacggtat  | 620160 |
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| attcgctgaa  | attctctcag | atgatttcta  | ccatgatggc  | atgtccggat  | atggatacgg  | 620280 |
| aaagaacgat  | tctggaggct | cttaataaag  | tggcaagctt  | tacgttgaac  | gatgataaat  | 620340 |
| catctttgtc  | attgctcgat | gaaggaggaa  | cagaagtgat  | gaaactgaca  | aagaacactg  | 620400 |
| gcgataagtt  | gtctgagtaa | taatcgcttt  | gtatagagat  | aaaaccgatg  | ttgttttccg  | 620460 |
| tagagggaaa  | gaacatcggt | tttttatatt  | ggctggagca  | aatctttagt  | tcattgctgtt | 620520 |
| cagttcgtat  | ttcagagaaa | ccatgacata  | tcctctgagc  | tgctgttcgt  | agtactcata  | 620580 |
| gaagcctgta  | gcaccggcgc | tgccgcgtcag | actctttcgc  | tggttcagaa  | tatctgcca   | 620640 |
| gtaaaaggag  | agctcagctc | gtttttcttt  | caggaaatttc | catgaaagct  | tgatgttcca  | 620700 |
| taatatattca | ttgtcatcgt | tgcccagatg  | gcctgtaccg  | ttacggaaac  | ggtaattggc  | 620760 |
| atcggctctg  | aaaatgaaat | cgccgggcaa  | gttggcggaa  | gtttctagtc  | ccagtgtata  | 620820 |
| gacacgtgta  | taagtgttcc | ggttctgtag  | cgagtttttc  | gactggtaga  | atgtccattt  | 620880 |
| cccgttcaga  | tcgatgtttc | cccacgaggg  | caggtaagac  | aatctcaggt  | cagtgttcag  | 620940 |
| tccggtagta  | tgtgtattgc | ttcgttgagg  | catattgtct  | tcataacctt  | cgtttatcag  | 621000 |
| acttacgttc  | tgattgaagt | tgccggacc   | catgacgtat  | atccggaact  | gattgagccg  | 621060 |
| tttgtcgtag  | gaagcattcc | ccgataagta  | ccagtttcca  | ttgatgttga  | ccggaaacgt  | 621120 |
| ttccctgcct  | ccggtttctg | tattatatag  | ggtggcacgt  | gttactgcgt  | tgatttgctg  | 621180 |
| gttccagttc  | agtcctacca | tgatcccttt  | gcggaaattg  | ctgaacatgg  | catatatata  | 621240 |
| atgtgtatac  | gaagcgtgaa | ggttgggatt  | gctgcgagt   | acattcaaag  | gcgaactgta  | 621300 |
| gtcggtaggt  | gcaattaagt | cgcgcaacgc  | aggctgtgag  | gtgctgccgt  | tgtagctgat  | 621360 |
| catgccatag  | ttatcgccgc | tccggtaggt  | aatggtcaga  | ttgggtctcc  | attccactga  | 621420 |
| gttgatcggt  | gtatcgccca | gctggctgcc  | agtgtttct   | tcgatgggtc  | gcttctgaat  | 621480 |
| agtagcggtc  | agtgaacttc | gcactcccca  | cacttcacca  | ttgtatgtaa  | acaatacggg  | 621540 |
| gagattttgt  | cccgtcgtcc | ggctgttgct  | acgactggtc  | aggctgtcga  | tattgtttga  | 621600 |
| ttcataacct  | ccaggcaatg | ttccgaaagg  | catattcgaa  | acctcccaag  | gacttaaatac | 621660 |
| gtaggtattg  | ctattcagcc | tctctttgtt  | gctgttgaag  | ccataggaga  | actgcaagcg  | 621720 |
| tgacttttca  | gtcagtacct | gtgtatatgc  | cagatttagt  | gtatactgct  | gttccttgcc  | 621780 |
| tggcgtgtgc  | tgatactggt | tacggtagag  | tacagaatct  | tttccagtca  | agttttgcaa  | 621840 |
| ccgatagtaa  | tccgtggatg | acaaggataa  | atatttcgta  | ttgtccgttt  | gctgataagt  | 621900 |
| agaaaaattc  | agactgatat | tgttcccttt  | tttattcagc  | tttcggataa  | ggctcgtact  | 621960 |
| gaagttgtaa  | ttgatattcc | gaccctgcgt  | ctgtgattga  | ctcctgctgt  | cgttgatgcg  | 622020 |
| ggtggccggg  | tcagtttgtt | caaactgggc  | aaacgggcgt  | tgtgtgtcga  | cttccggatt  | 622080 |
| ggtgtcgaat  | gtagcttccc | gattctggct  | gttgcttttg  | ttgttgttgg  | agttgacggt  | 622140 |
| tccggaaaaa  | ttgaaagtgt | tcttgtcatc  | tatcttccag  | gtaacgtccg  | cacttccatt  | 622200 |
| tatccggtag  | cttttgcttc | ggctgctgga  | ctcggagatg  | gcatactggt  | tggcagtggt  | 622260 |
| catgtattgt  | tcactatagg | aactcgattc  | actgccgttc  | cggctcgttcg | aataactgag  | 622320 |
| atttcctgaa  | acctctattt | tatcttttac  | tttagtgatg  | ctgactcctg  | cggatattcga | 622380 |

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|             |             |            |             |             |             |        |
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| attatcaccg  | ctttcattga  | aacgcatgat | tttcccgttg  | atgtcacgcc  | tcttgtgcgt  | 622500 |
| accatatccg  | gcttcggcag  | ataagagcag | tgcattgttg  | acttcctttt  | tgggtctgaag | 622560 |
| atcgagtaca  | taattctttt  | ctgtcgattt | gatgcctgta  | gcttcttcct  | ctttggtcgg  | 622620 |
| cttgtcgtat  | actttcaact  | ggctgatgaa | tttgaccggg  | aggttttcca  | gtacaacctg  | 622680 |
| ctggttgctt  | ttaaagaaat  | ctttcccgtt | gacagtaatt  | tcctttatcg  | tatgaccggt  | 622740 |
| gtacgtgatt  | gtctggctct  | tagaatcgta | cgtcagtcct  | ggaatacgtt  | tgaccagctc  | 622800 |
| ttccagataa  | gccccctcgg  | gagtagggta | ggcaccggcg  | ttgtaaatgg  | tggatatctc  | 622860 |
| cttttgctcc  | atgggtttca  | gcggggctgt | tacaacaatt  | tctttcagat  | gtaacggggt  | 622920 |
| gtcttttagc  | ttgatgggtc  | ccaattgtat | ggtgtctggt  | tttgatggta  | tagactgata  | 622980 |
| tacggacgta  | catcccgtgt  | acgatacctt | tatcaggtag  | cggactgtcg  | gctttcgcaa  | 623040 |
| aaatgagaag  | ataaaccttc  | cttggtcatc | gcttaccggt  | ccctgtgtaa  | aagtgggaatc | 623100 |
| gggcaattgc  | atcaaactga  | tggtggcata | tggaacaaata | tcggctttca  | gggaagtgcc  | 623160 |
| ggatagagcg  | acacgccctt  | ttactacttg | tttttgtgca  | gaaatgcca   | aaggaaacgc  | 623220 |
| cagcagtaac  | attatactta  | ctataaaca  | gtttcgtttt  | ttcattgcgg  | acacaaatgt  | 623280 |
| aagaaaatac  | ttttcaaagt  | cttattcaga | caacatagat  | ataggagttt  | taactattag  | 623340 |
| gctctatttt  | taataaacgc  | tcatttcgtg | gcgaggcagt  | tgctggacgt  | tttaagcttg  | 623400 |
| tgctggctga  | tccgaaaaag  | gaatgcaaac | tgaagtgcct  | atatataata  | aggagaaaca  | 623460 |
| gaccgattgt  | ttcgatcttt  | caaaaaata  | acgggaatcg  | ttggccggtt  | ttttgtacag  | 623520 |
| aaaccggatg  | tctttgtaca  | aaaaacaaa  | acttttgtac  | aaaagcagat  | tggaacctgc  | 623580 |
| ggatattctt  | tatgctttct  | cctcgtgtgc | cagagaatat  | ctggcataga  | ctcggaagaa  | 623640 |
| actgccgaaa  | cggatgatgt  | catgccattt | tatctgtaaa  | ttttggcgga  | gagcttgccg  | 623700 |
| gggctgtcag  | gcttttctga  | caaattgtcg | tttttgcttt  | ttggcacacc  | atttgtctta  | 623760 |
| aatagggcgt  | aatgcttcgg  | cattacagag | taaacttgaa  | taaaaaataa  | ataaaaataga | 623820 |
| tacaattatg  | ggaaagatta  | ttggtattga | cttaggaaca  | acaaactcat  | gtgttgacgt  | 623880 |
| attcgaagg   | aacgaaccgg  | tggtaatgtc | caacagcgaa  | ggtaaacgta  | ccactccttc  | 623940 |
| agtagtaggt  | ttcgtagacg  | gcggtgaacg | taaggtaggt  | gatcctgcta  | aacgtcaggc  | 624000 |
| tatcacaaac  | ccgaaacgta  | cggatatatt | tatcaaacgt  | ttcatgggtg  | aaacttacga  | 624060 |
| tcaggttcag  | aaagaaattg  | cacgtgtacc | ttactcagta  | gtaagaggcg  | aaaataatac  | 624120 |
| tccgcgtgta  | gacatcgacg  | gacgtctgta | tactccgcag  | gaaatctcag  | caatgattct  | 624180 |
| tcagaaaatg  | aaaaagacag  | ccgaagatta | tctgggacag  | gaagttacag  | aagctgtcat  | 624240 |
| caccgttccg  | gcatacttct  | cagattctca | gcgtcaggct  | actaagggaag | ctggtcagat  | 624300 |
| tgacaggtctg | gatgtaaaac  | gtattgtgaa | cgaaccgact  | gctgccgctc  | tggcttacgg  | 624360 |
| tgctcgacaaa | tctaacaagg  | atatgaagg  | tgccgtattt  | gaccttggtg  | gtggtacatt  | 624420 |
| cgatattctt  | atcctggaat  | tcggtggcgg | tgtattcgaa  | gttttgtcaa  | ctaacggtga  | 624480 |
| tactcacctg  | ggtggtgatg  | atttcgacca | ggttatcatc  | gactggttgg  | tacaggaatt  | 624540 |
| caagaatgat  | gaaggtgctg  | acttgacaac | tgatccgatg  | gctatgcagc  | gtttgaaaga  | 624600 |
| ggctgctgaa  | aaagctaaga  | ttgaattgtc | ttcttctaca  | tcaactgaaa  | tcaacctgcc  | 624660 |
| gtacatcatg  | ccggtggccg  | gtgttcctaa | acacttggtt  | aagacattga  | ctcgtgctaa  | 624720 |
| attcgaagct  | ttggctcaca  | acttgattca | ggcttgctct  | gaaccatgta  | agaaagctat  | 624780 |
| gagcgatgct  | ggtttgaaca  | atgcagatat | cgatgaagtc  | atcttggttg  | gtggttcttc  | 624840 |
| acgtatcccc  | gctgtacaga  | aactggttga | agacttcttc  | ggcaaagtgc  | cttctaaggg  | 624900 |
| tgtaaatccg  | gatgaagtag  | tagccgtagg | tgcttgattt  | cagggtgccg  | tattgaacaa  | 624960 |
| agaagctgg   | gtaggcaaca  | tcgtattgct | ggatgttact  | ccgttgacat  | tgggtattga  | 625020 |
| aacaatgggt  | ggtgtaatga  | ccaagttgat | cgatgccaac  | acgactattc  | cgtgcaagaa  | 625080 |
| gagtgaagtc  | ttcttactg   | cggctgataa | ccagacagaa  | gttactatcc  | acgtattgca  | 625140 |
| gggtgaacgt  | ccgatggctg  | ctcagaacaa | gtcaattggt  | cagttcaact  | tgacaggtat  | 625200 |
| cgctccggct  | cgctcgtggt  | ttcctcagat | tgaggttaacc | ttcgatatcg  | atgcaaacgg  | 625260 |

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|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| tatcttgaaa  | gtttctgcta  | aggataaggc  | aactggtaag  | gaacaggcta  | tccgtatcga  | 625320 |
| agcttcatct  | ggcttgagca  | aggaagagat  | cgaacgtatg  | aaagctgaag  | cagaagctaa  | 625380 |
| cgctgaagct  | gataagaaa   | aaaaggaacg  | tatcgataag  | ctgaatcagg  | ccgacagctt  | 625440 |
| gatcttcact  | actgaaaatc  | agttgaaaga  | tcttggtgat  | aagattccgg  | ctgacaagaa  | 625500 |
| ggctcctatc  | gaagcagctc  | tccagaaact  | gaaagatgct  | cacaaggctc  | aggatttggc  | 625560 |
| tggtatcgat  | gctgcaagcg  | ctgaattgca  | ggcagctttc  | caggctgcaa  | gtgctgaaat  | 625620 |
| gtacgctcag  | acaggtgcac  | agggcgggtg  | tcaggctggt  | cctaattgcag | gtcaggcaaa  | 625680 |
| cggcaatgca  | ggtcaggggt  | caagcaataa  | gaacaatgac  | aatgtacagg  | atgctgactt  | 625740 |
| cgaagagggtg | aaataattat  | cgataaacia  | cgataaacat  | ccataagaaa  | agagggtgtaa | 625800 |
| ctcaatgagt  | tgcgcctctt  | ttcttttttt  | tattttttct  | atagttttgc  | ttgtttgttg  | 625860 |
| ttattttatt  | gtatatttgt  | accatatttg  | taccgacact  | taatggtaga  | taatgtgaca  | 625920 |
| cttattttct  | gattaagggc  | ggtttgatat  | aattaaatat  | ttgattttata | aatagatcaa  | 625980 |
| tagttcggtta | aaaattagcc  | cagcctaagc  | ggctctggca  | gtaaataaaa  | tgagttcttt  | 626040 |
| gaaaagtgtg  | tcaattaatt  | gcgtgttttg  | ttcaatccca  | gacacgcaa   | taaatcgttc  | 626100 |
| aagcatgtaa  | gcattgtgta  | tgactgactt  | gcatgatgat  | atggaatatt  | ttattcccat  | 626160 |
| cttcttacag  | gcagccttgg  | cgaggtttat  | cgctgcaagt  | gatgcattaa  | agtggaatgc  | 626220 |
| cagtttcctg  | aagtctgtag  | actgacagtt  | tgctattccg  | gcatgttgct  | tggcatcccg  | 626280 |
| aaagcagaat  | tcgagttgga  | aacgtgttct  | gtaaaagtcc  | aggacatcct  | gtgcgttctg  | 626340 |
| tatttcggtt  | gtagagaaat  | acagctgcca  | tttgtccgtt  | cttccatcca  | tggggtacca  | 626400 |
| tacagccagg  | ctcaciaaagc | gtttgagtgc  | tttgaggtat  | gctttcagtc  | cgtaaagtgtt | 626460 |
| acccttggtc  | actttgtact  | cggtacatct  | tgtgatgtcc  | agattttcaa  | agtcaatttt  | 626520 |
| ctcgtcatgt  | aattttggac  | gtccgcgttt  | tcctgtccta  | ttttctaagg  | tgggataaaa  | 626580 |
| caatacggca  | tcattcctga  | aacggcttat  | tacgtggaaa  | ccgttatcgt  | acaatgggtt  | 626640 |
| gatgaaaagt  | gcctttgaaa  | agaacgcac   | acacacgact  | gtgccagaaa  | tacgttttcag | 626700 |
| ctgttcctgt  | atgctgataa  | ggtaagagct  | gtaccagtca  | acaagattct  | tctcacagct  | 626760 |
| ttccagcggt  | gcgttgctcag | gtgtctgtac  | agagcccaaa  | gtcatacatt  | catggttgct  | 626820 |
| aacgtctata  | actccaatac  | cggttatttc  | cagtccacgt  | ttgtattcac  | cggcacaacc  | 626880 |
| ggaccagaaa  | tagccaatcc  | acggcggttt  | gctgcctgat  | tttggaatga  | aagacggatc  | 626940 |
| aacggctatc  | gccttgcgac  | cacctttaag  | gtgttcctct  | atgatggctt  | cattgaagga  | 627000 |
| aaaccagtca  | aagccgtcgt  | tctcaaaatt  | gttgcggtat  | gtctgttccg  | agaaacatcc  | 627060 |
| ataccgtccc  | attttagtaga | aattgatgcg  | gtcagggtata | gccatgaata  | atttcattgc  | 627120 |
| atccatgaat  | actttctgaa  | aagatttgct  | tatatattaca | gctgattcga  | gagcgtttct  | 627180 |
| gcactcggat  | tggtattgca  | taaggagtga  | ttcttttagtc | ataattaaaa  | gtggtgaagt  | 627240 |
| acttctaatt  | tactaaaaat  | cagtgaatta  | tgaaataact  | tttctgttga  | ttttcagctg  | 627300 |
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| caatgatctc  | ttgaatataa  | ttttgaaccg  | gattatgccg  | attctatggt  | taattttta   | 627420 |
| ttatcggtaa  | aaattttaccg | aagtattgaa  | tagatacaac  | atatgccagc  | tgcaaaat    | 627480 |
| caaatactgc  | gtaaatgttc  | tgtttgcggt  | aatgagttta  | tagcaaaaaac | tatagaatct  | 627540 |
| tactactgct  | cttcagcttg  | ctctaaaatc  | gcttggaaaa  | gacgtaaagc  | tgaagaaaag  | 627600 |
| aaacagcaat  | tacttgatga  | aatcggttaag | acaattccac  | aagataagga  | aatgataacg  | 627660 |
| atttctgaag  | cttttgcat   | gtttggtgta  | agccgagaaa  | ccatatatag  | actaatccgt  | 627720 |
| aaagggatct  | tgtaaaaatt  | taattccgga  | gtacgtaaaa  | cttatgtaag  | caaaacagaa  | 627780 |
| ctgatgaaac  | tttatccttt  | ccgggaaaat  | cccttaacaa  | aatctagggtc | tgtaacccaa  | 627840 |
| ctgtataatc  | tcgaaccaga  | gagctgctat  | accattgggtg | aaattgcaga  | aaaatatcac  | 627900 |
| ttaaatgatt  | ctactgtata  | tttacatatc  | cgtaaatact  | ctatccctac  | gaggcaataa  | 627960 |
| ggtaatttctg | tttatgtacc  | taagaaagaa  | attgatgaac  | tatataaagg  | agcaaagaaa  | 628020 |
| tgaaaaaagc  | gatggcaaat  | acaagagtct  | ctgttaaact  | tagaaaaact  | gaatatcggg  | 628080 |
| atgaatggta  | tctttacatt  | gaggcatatc  | cagtatttca  | gaaaggctct  | tctactccgc  | 628140 |

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| aatcacgtac  | gaatgcggat  | ggaaaaacta | attataaacc  | caaacgcgat  | atgaatggtg  | 628260 |
| ttatactgtg  | taaatacgag  | ttggatcaag | aaaattgtat  | atatgcagac  | aaggtaagaa  | 628320 |
| gcattccggca | aaaggaatac  | gacaatgctg | ccctctattc  | agacactgat  | gcgcagcagg  | 628380 |
| cagaaatgtt  | agaacgttct  | cggttgaatt | tcatcgaata  | ttttaatcat  | gtgcaacaga  | 628440 |
| ctcgtcatgt  | ccgtgggtct  | gaatcgatca | ttgttaactg  | gagacgtgtg  | catgaactgc  | 628500 |
| tgaaaaatatt | tgctgatggt  | gatactatta | cttttgccca  | aattgatatg  | catttggttg  | 628560 |
| agtcattccg  | taattttatg  | atgacggcac | cacaaggcgg  | tggtaaaagt  | ggtacagtgt  | 628620 |
| cacagaatac  | ggctgcaact  | tatttctcaa | tcttcaaggc  | tgcatataaa  | caggcattta  | 628680 |
| tagatggata  | tttgacagtt  | gatatttcag | caaaagttaa  | aggcatccag  | gaaaaagaaa  | 628740 |
| gccgacgtga  | gtttcttacc  | gttgatgagc | tcaatcgtct  | agcccaaact  | ccatgtagcc  | 628800 |
| caatactcaa  | acgtgcagct  | ctattctcag | cccttacagg  | aattcgccat  | tgcatatttc  | 628860 |
| agaaaatgaa  | atggtctgaa  | atcgaagagt | ttaatggaag  | ttatcgtgtc  | aattttacac  | 628920 |
| agcagaagac  | aaaagggtgt  | gaatatatgc | ctatttccga  | acaggcttat  | cagctctgtg  | 628980 |
| gtgaacgcca  | ggattcaaac  | ttgcttgttt | ttgccgggct  | tccggatccg  | gcttggataa  | 629040 |
| gccggccgtt  | aaagaaatgg  | gtagaagctg | ctgggtataaa | aaagcatata  | acatttctact | 629100 |
| gctttcgcca  | ttcatacgct  | accctacaac | ttgctggagg  | aacagacata  | tatactgtaa  | 629160 |
| gtaaaatgct  | tgggcataca  | aatgttaaaa | ctactcagat  | atatacaaag  | gttattgatg  | 629220 |
| caaaaaagga  | aaaggcaacc  | gaaaccatta | aattggattt  | gtcatctaca  | gaatagtgat  | 629280 |
| agcctgtata  | agctatctgt  | atagttaata | ttctggctga  | tataatttat  | ggttttttat  | 629340 |
| gcctcttaat  | ttatggatgc  | tttatgattt | tcttatgatg  | ttattcatga  | ataaaaaaaaa | 629400 |
| acgataatgg  | actgtttcat  | tatatgtatt | gactatcaat  | tatgtgcatt  | tatgttccaa  | 629460 |
| atgaatcgtt  | tatgcttttt  | tatgtgttgc | tctacattga  | taaatcagca  | ataaaaaacct | 629520 |
| gtttttcttt  | gcagtcgtaa  | taactgaaat | aagaaagata  | tggacgagaa  | tagcaacatt  | 629580 |
| acatttgaag  | atttgccaaa  | agcattgtca | tgggtaatat  | ataagcttat  | tcagcttgat  | 629640 |
| atgaaaatag  | acaatctaac  | aagtacatcc | cagctaccac  | ctgctgaaca  | gtggatgaat  | 629700 |
| ttaaaagaat  | tatgtgagta  | cttgccaagt | catccagctg  | aacaaacagt  | ttatggatgg  | 629760 |
| actagtgtgc  | acctgatacc  | attccataaa | aaaggaaagc  | ggatcatgtt  | cttgaaatca  | 629820 |
| gagattaact  | tgtgggttaa  | agaaagcaaa | atgaaatcat  | cgtatgaact  | tgaaaaagat  | 629880 |
| gcaaaagcaat | ttgttcagtc  | aaaaaacgtt | cgaaaattct  | gatgtattag  | ttttttgtcg  | 629940 |
| ttgttgacgc  | tttttagtata | tattgtttct | accgtgactc  | atccatttta  | atttatacag  | 630000 |
| ccagacatcg  | taatctgctt  | atatgtgggt | tagtttagtt  | tagcatatat  | atagctaaca  | 630060 |
| aattaaacta  | aacagtttta  | ttgaagatga | tgacagccaa  | agagaagata  | tttttttctt  | 630120 |
| ttggctgcat  | tttttatttt  | ctttctcttc | ttttttataa  | gtcattttat  | tccgcataatc | 630180 |
| agactttcgg  | ggcttatgaa  | taaaattgag | gtgcaaaggt  | atatgtttat  | gcaactattt  | 630240 |
| aagcaagttc  | ttgtcttatg  | attttcgtac | aaatctccac  | actcctttct  | ggagggttgta | 630300 |
| tttgacttca  | aaaacttgca  | tgaatagcca | taacaccttt  | tgggcaccag  | aatttttaatc | 630360 |
| acccccgaag  | tagttgatac  | tacataaggg | aaataataac  | aatcaaaaaca | ataaaaattat | 630420 |
| gtttgaatac  | gaagaacaga  | cagaaatcat | tgggtgcaaga | tgtactttgc  | atgaagcgta  | 630480 |
| caagggttat  | acagagggaa  | cggttggttg | cgacttcgga  | ctcagaattg  | ttgtccggct  | 630540 |
| cgataacggc  | aaggagattg  | ttgaataccg | tgatgaagta  | actattttacg | actaaataac  | 630600 |
| tatttctgaga | tatgggaaat  | ttcagatttt | atcaagattg  | taaagttacg  | tgctgggaac  | 630660 |
| gagattactt  | taccgttgaa  | gctgataatt | atgaggaagc  | tgaagctatc  | gtgcgttccct | 630720 |
| ggaagtgtga  | tgacgttaca  | aatatcactg | acaagcgtct  | tcatttggag  | agaaacgaag  | 630780 |
| tcctccgtga  | tacttctgaa  | cgtatgtttc | ctgacgagaa  | tgggtggttg  | cccactatgg  | 630840 |
| agatatataa  | tgctgatggt  | tcggctgtta | taaatgacgt  | tccggatttg  | gagcataatc  | 630900 |
| ttaaacccta  | aagcagtagt  | agaaatgaat | gtaataattg  | aacacatatt  | ttgccaatat  | 630960 |
| agcgacgaag  | ctacggctct  | gtatttacgg | attatcaatg  | tgatacttct  | gtcgtctaat  | 631020 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| gaggatgaac  | ttcgcaccag  | catggcaaag | cttaagcaaa  | caaccaatct  | tgataaatat  | 631080 |
| ttcattttacg | gttttggttaa | gcatcatatt | tgggtgtgtc  | agcgcaaacc  | aagtgcacaga | 631140 |
| aataaggtat  | ttgaatatcg  | ggttataatg | gccagttct   | gaaatgttca  | ggtctggatt  | 631200 |
| tcctttccag  | atctgattcc  | ttattttaag | cggattacgc  | ttaaatcctg  | ttttaaccct  | 631260 |
| ttcatatccc  | tttatatccc  | tattgttttc | ttttggctgt  | gcctctacct  | tttttacgtt  | 631320 |
| aatagctcta  | ttaaagctgg  | actgtgaaga | cctgatgtat  | gattcagcac  | agtcctgtt   | 631380 |
| cttttcccc   | ttttttatc   | ccttcttctc | aaggcggata  | tgggtgtcctc | cgctgctatt  | 631440 |
| ccattgccgt  | ccttcagtc   | acctcccgt  | ttcgggcac   | ctttatcgga  | tgtattcctt  | 631500 |
| ttacggcaga  | ttctccgggt  | gttgccgtat | ctccatgggt  | cttcatatcc  | tctgggcctg  | 631560 |
| tgctttctgt  | cctgccttca  | tgatccggct | ggctacagct  | cttgtgaggt  | actctgccgg  | 631620 |
| tggtaacgga  | tttatatccc  | catccttgtc | cgacctgttt  | tcgttctctt  | ttcctgcttt  | 631680 |
| tccattattg  | cttttgccg   | aagtcggcat | cattttccga  | tgcaaagata  | gtgtgcagcc  | 631740 |
| gggagcggcc  | tgtggcctct  | gccaatggcg | tgtctgcgaa  | aatcttcctt  | tatcaggccc  | 631800 |
| gaggtttgcc  | ataaaggcaa  | aataaagagt | atgtgcgcta  | catccttggc  | ctgtccctta  | 631860 |
| aacagcacct  | actttttaat  | gcagcgtaaa | attgatgttt  | aacttctaaa  | agcaattaat  | 631920 |
| catgaaaaag  | gtagaaaaca  | acttcatcgt | aacaggtttt  | gtaggaaagg  | atgcagaaat  | 631980 |
| ccgtcagttc  | accaccgcaa  | gcgtagctcg | tttttcaata  | gcggtaagcc  | gtcaggaaaa  | 632040 |
| gagcggcgag  | gaaagcaact  | atgtatcggc | cttcatgaat  | atcgaggcat  | ggcgaaagaa  | 632100 |
| cgagaacacc  | tcttcgttcg  | agaatctgac | aaaaggtaaa  | cagcttaccg  | tcgaaggctt  | 632160 |
| cttcaagccc  | gaagagtgg   | ccgacaagga | tggcgtcaag  | aagaaccgca  | tcataatggt  | 632220 |
| ggccaccaag  | ttctatccgg  | cccttgaaaa | ggaagaagaa  | gctcctgcgg  | aagctcctaa  | 632280 |
| aggcaaaaag  | agcaggaaat  | aatcctgcc  | tttatacata  | ccagcggctt  | tcggaccgct  | 632340 |
| gtttttttta  | tcgctccgca  | cactttcaga | tattcctttt  | atatctcatt  | attcctggct  | 632400 |
| tctaccaccg  | cagatattga  | atttatacgt | gcaaatttaa  | gaagaagggtg | aaccgtcaag  | 632460 |
| gcgcttatca  | ttttctatta  | agaattatca | actcacttac  | tcgccgacaa  | ttcttaacat  | 632520 |
| aaatgaacca  | gtaatctact  | tattcgcttc | ttccttggct  | tgttcacctc  | ttttcttctt  | 632580 |
| tgtcaaggca  | cgtaaattca  | aaacctgccg | gtgaggtaaa  | acctcaaaag  | tagggaaatg  | 632640 |
| aaacagaatg  | tataacttat  | atttttatat | tatgaaacag  | atgtttattt  | ggtcaagtga  | 632700 |
| agtcgttttt  | gatgaacaga  | caaaatcaga | aatgcaggag  | tctaaacgtg  | aattgttggg  | 632760 |
| tgacgattct  | tatgtactgt  | cagaggaaga | tatagcagat  | gaacttcaac  | aggagcttga  | 632820 |
| agacgaacgc  | tgtaatctta  | acaagacaat | cgacggcggt  | attatagtat  | ttggcgacct  | 632880 |
| cggccttttg  | aatggccgac  | gccaagggt  | tcagatttta  | ggaaataata  | ttgccaatat  | 632940 |
| actgtatagt  | caatgtgaga  | tagctgaatg | gtacgggtgac | ggctataata  | tcagaggacg  | 633000 |
| tatgtcacac  | catgatggca  | ctaactatac | tttatatcgc  | atcgccaaag  | acaatgacga  | 633060 |
| tgacagaaag  | attgcagaaa  | tgatttataa | taacgagatt  | gacgaagccg  | gcttcagacg  | 633120 |
| cagaactcgt  | tctctgtatc  | cacacgtggc | agaggtgtac  | ggatggaaga  | tacgcggacg  | 633180 |
| tagaaatctc  | caacactgac  | agtcatgatg | gacgttgcag  | catgattaat  | gtatattttg  | 633240 |
| ctgcagcgtc  | attttataac  | ccttccggta | ctttcctttt  | gtagttcaat  | tgccctttat  | 633300 |
| atattccggc  | cataccgaca  | aatccgctta | taaactttga  | tcagcatctt  | ccttgatgtg  | 633360 |
| caatccaatc  | cgaaatgcgg  | ttattttgtc | tgcaaagttc  | gattgacttc  | tcttattcct  | 633420 |
| gccaaaggcct | gcttcgagcg  | tgctgctgaa | aaatcttctt  | tccgttttca  | cgtaagcgta  | 633480 |
| tttttcgcat  | catccttgtc  | cggactgttt | gtcaatcttc  | gggcagaaaa  | ataatcagcc  | 633540 |
| ttcgggtccag | gatgcgacca  | gagggaaaat | aaaacaactt  | aaatttcata  | gttatgacat  | 633600 |
| tcagagaatt  | tatgcgtgaa  | aacggttacg | agttacagac  | aaccttttgg  | gaagacttta  | 633660 |
| caatagctga  | cagatttggc  | ttgtcagcaa | ttcaggacac  | attcaaccgt  | gcttttgaag  | 633720 |
| agtggaaaga  | gcattacaag  | tatcttacag | agcttattct  | tgtactcaat  | cacaagatat  | 633780 |
| ggcagtatca  | tgagtcgtgc  | cccaggtttg | cgtcgctgta  | taacagtcct  | tggggacagg  | 633840 |
| cggacttata  | tgccgttgaa  | aacctcaagg | gagaagaatt  | ggagtatttt  | tatgaagtaa  | 633900 |



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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| ctgattaatt  | tacaaagaaa  | tgaaaacaat  | tacagagcag  | gcaacggaaa  | atggccgttt  | 633960 |
| gacagttgaa  | gagatagtaa  | accgagacaa  | gacattccgg  | tatatgttat  | tatcacgcct  | 634020 |
| ccagtctgat  | tgtgactatt  | atcttcacta  | tggaggcagg  | taccggaagg  | ttttgtgggc  | 634080 |
| aggcgatgaa  | actcggcaga  | tagaatttat  | gaccggactt  | tatgatagtt  | gcggtgctga  | 634140 |
| cgaaaagccg  | gaatggctga  | caatggaaca  | aatccggcaa  | tatgcgtccg  | aaatgttggg  | 634200 |
| cgcagattca  | tgaagtttgc  | gacagctgca  | tatatgcaac  | catccttttc  | aatgctgcat  | 634260 |
| caaactatgt  | atggtttggc  | agcattgatt  | gttatcaaag  | ttgtcagcct  | gactccaggt  | 634320 |
| tatgtttgtc  | agcaaggccc  | agaaattcct  | gttatatttt  | cacttgtcat  | ccttaaagtt  | 634380 |
| actttttccg  | taacctctaa  | gcagtgcctt  | tacgattttt  | gcaaatatcc  | atacggctgc  | 634440 |
| aattactatt  | ataattttcca | tacactttta  | tataattata  | tatttatatt  | attatataat  | 634500 |
| tgcataattg  | tataatttaa  | taattgtaca  | actatataat  | tatataatgc  | attctgttat  | 634560 |
| accgttattt  | tttttagctg  | gtttgtaaac  | acttataggc  | tctctagttt  | ttccttgttt  | 634620 |
| tcttcaatat  | atgtcattat  | gatcgccgat  | gcaagggttc  | tgagcggaat  | atttctgctt  | 634680 |
| gagtttacac  | ggattttctc  | cagtttcctt  | ttcacttctt  | ttggcagcca  | gattgcttcc  | 634740 |
| ccttgtccac  | cgactccggt  | gtatttggct  | atattttctt  | caaatagttt  | tttacttggt  | 634800 |
| ctttttgatt  | tggctttctt  | ttcggcgctt  | accttttcat  | cctgttcctg  | ttcatcttgt  | 634860 |
| atatctttag  | atacctttgg  | ctgcgcttat  | ccacgtacta  | tctggctcgag | gcccatattg  | 634920 |
| gccaaagggg  | tgtctatagt  | aggtctctca  | ttctttttca  | tactcctcta  | ttatttgata  | 634980 |
| atttccataa  | tcttgctgaa  | tgccggctca  | acgatgtcca  | gttgagtctt  | ttccagtgga  | 635040 |
| tataatgttg  | tatagcgttt  | cactgcgaca  | ctttgtttta  | ttgtagggtg  | gacggttccc  | 635100 |
| accagcccaa  | gcaattctgt  | tgtctgggcc  | ctctgcctca  | attcttctga  | tttcctctcc  | 635160 |
| gaagtgataa  | ttcggttggg  | tataaacaca  | agttgtgctt  | ccgatacgct  | tttcagggct  | 635220 |
| tttataaaaa  | taccagttgc  | gtctaccgta  | tccggatcaa  | atgaaatcgg  | aattatggct  | 635280 |
| gtatctgcat  | ttttgtagat  | atattcaagg  | ttacggctcat | tcagattttc  | gggacaatcg  | 635340 |
| ataaggacaa  | ctccagggaac | ctttttaagt  | tgcgccatta  | ccttttttag  | ttgcttgctg  | 635400 |
| tctgcagtat  | caagcaaadc  | tacattccat  | ggagcctgta  | cttctacagc  | tacatcctgt  | 635460 |
| tctctttggc  | ggtggcggtg  | gagcgacgcc  | tgaaggctcag | cgtcaatggc  | tattaccggg  | 635520 |
| atactatttt  | cagcaagata  | acttgcaaat  | agtgcacaga  | gggtagtttt  | ccctacacct  | 635580 |
| cctttaaatgt | tactgaacaa  | tacaatttta  | ttttccatgc  | cactttgggt  | ttaggtttct  | 635640 |
| acattgttgg  | caaataataag | taatactctt  | ataatctcaa  | aatattttatt | atataattat  | 635700 |
| ataaaatcga  | taatcatatt  | tatataatta  | tataaccata  | ttattatatg  | taaaatatatt | 635760 |
| atatataata  | tattataaag  | aatattttcat | ttcaaacatt  | gtaatttttaa | ttatttatat  | 635820 |
| tgtattatat  | aattatatta  | taagataagt  | ataaaattgc  | attattctat  | tccacaacaa  | 635880 |
| ttttcttttt  | tacttatttg  | aagcatatat  | ggaactcacc  | tatgcatttc  | cgcaataagt  | 635940 |
| ttttcggctc  | atgatttgta  | attctgatat  | ccttgtctaa  | ggcagcattt  | ttctgaatgt  | 636000 |
| ttttcaacat  | cagccaatga  | cgtgtctgcg  | acaatctttt  | ttattatacg  | aatctcttat  | 636060 |
| atccccgattg | cattataccc  | gttgtcgcgc  | gttaggtgat  | gtcatttttat | ctgcaaagtt  | 636120 |
| agtttgcccc  | tgaacgtttt  | gccaagtgat  | gctttgcttt  | tcattttgaaa | aatcttcctc  | 636180 |
| ctttggagag  | tatttttcaa  | gaaacacttg  | tcttcacttt  | aatgcaaact  | ttggggcaga  | 636240 |
| aaaatcgaca  | ataccctccg  | ggcagagtaa  | accgggacat  | gagggaaaca  | aatatttttt  | 636300 |
| aattaacttc  | ttaataattat | ttgttatgag  | taccttaaaa  | caaactgaga  | aagtacgtcc  | 636360 |
| tctttccgaa  | cgtggagttt  | atgcttatcc  | agtcaatcgt  | tttagccgcg  | atgcgtctga  | 636420 |
| tgaagatatt  | ctttctgatt  | atgagaatag  | taccaacaat  | gaagattcgg  | tcaggaaata  | 636480 |
| taccgttgaa  | gaattttctgt | cttgcaccaa  | cgacgagagc  | tttaatatgc  | tggaactattg | 636540 |
| ggttcgtttg  | atttagtaac  | cttgggtgatt | caatgttcat  | tgttttatat  | taattggata  | 636600 |
| attttatgag  | tttagagaat  | atcgataaga  | aacagctttt  | tcgggagata  | gaggaactta  | 636660 |
| tgaaccattt  | gtatttcctt  | gtaccctatg  | atgaagataa  | tatccggaca  | ttggcccaac  | 636720 |
| acgagtatga  | gctgttttagt | aaagtaatat  | cagtaaggta  | cggtttcgat  | attgataagt  | 636780 |

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|            |             |             |            |             |             |        |
|------------|-------------|-------------|------------|-------------|-------------|--------|
| acgtatttga | gcatgacggc  | cattctccgt  | ttgatgctgt | acacgaagat  | gtcatttgtg  | 636840 |
| aactgaaatc | ccgtatgctg  | agagaccctt  | tcctgcttca | gagtgaagcc  | attcggcagc  | 636900 |
| gtcttgtcac | actggtacgt  | caggctgttg  | tccgagccgg | aggatgtctt  | ggaacttttt  | 636960 |
| acaagaatct | ccagattcat  | cacatggaat  | acaaatccgg | agacatgtac  | gatgatgttc  | 637020 |
| cggctgtagt | ttttcgtgga  | gggtgtggctt | gtactgccgg | tggatatgag  | agtgtctatgc | 637080 |
| tgtacgatat | ttatcttgca  | cctgatgaca  | gcctgatgtg | tacagttgat  | gacaagaatt  | 637140 |
| gcagcgagaa | tgatgttcca  | cttgatacac  | ttcttcttga | aagcctgttt  | gaggtcgttc  | 637200 |
| attggttgcg | tattaatcat  | tttttgccgg  | acacagacgc | tcccgattgg  | gtttgcgagg  | 637260 |
| agtgcggttc | ttcggatgtc  | gaaacccttg  | cttgggtcag | gccaaacgaa  | aataatagct  | 637320 |
| tcgccgatta | tcttgggaatt | gatgacaatg  | gcaacaactg | gtgtcatcat  | tgtgaggaac  | 637380 |
| acacctctct | ggtacagttt  | acaggtggcg  | aagacagcaa | gtcttcttca  | gtcagttaag  | 637440 |
| gcctatggat | agtatatata  | tcaggaattt  | cagcattgaa | gtgacacgcc  | gttgcaatat  | 637500 |
| ggcgtgttca | cattgtatgc  | gtggcaatgc  | tatggcactc | gatataagtc  | atgcttacat  | 637560 |
| caggaacata | ctaagtcgtg  | ttcgtggggg  | tcacaacatc | aatattaccg  | gtggtgagcc  | 637620 |
| gtccctcaat | gtcaaggcta  | tgcggtacct  | cctttcctgc | ctcaaacgtc  | gtggcataacc | 637680 |
| tgttgaccgt | ttctacattg  | ttaccaatgg  | ttcactgtct | tctatctcct  | ctgacttcat  | 637740 |
| agaaacctgt | tgcgctctgt  | atgattacca  | gacagagaag | gtcgaagata  | ccggcaggca  | 637800 |
| catgctcgaa | ctcagcgatg  | accgtttcca  | caacagtgca | gagcgtgaaa  | aggtaatcac  | 637860 |
| ctgtttgtct | ggtttgcctt  | ttttcgggat  | gcgtggccag | tccgaacaca  | tgttcctttt  | 637920 |
| caaggaagga | agatgcacag  | tcggttttga  | caatccggtt | tatcccattt  | acatgaacgg  | 637980 |
| ggatggagtc | gttcacggcg  | atgtttatct  | caatgccaaa | ggcatggtct  | gcagtaatgg  | 638040 |
| agacatgagt | taccagcgcc  | aggagtctaa  | tttcctttgc | acttcctttc  | gcttttatag  | 638100 |
| ttatctgaag | tcaacagtcg  | gtaagtattg  | aatttaagtt | atgaagacag  | ttaatagttt  | 638160 |
| gtcaggagga | aaaacatcct  | cttacatcgc  | cgtgcattat | ccggcagata  | tcgaagtctt  | 638220 |
| tgccctttgt | tgcattgatt  | gtcacaatgc  | cggggctacc | atcgacaagc  | gcatgaagca  | 638280 |
| gatggtcaat | gacaggttgc  | agaagtattg  | ttctcattat | cccgaatttg  | ttgctacttc  | 638340 |
| cgaagatccg | aaagtcctca  | aggttatttt  | cgacctcgaa | cagcgtatag  | gtcgggagat  | 638400 |
| tatctgggtg | cgtgggtatg  | gctgggagga  | aatgatacgc | cgtaagcgtg  | ctattcccaa  | 638460 |
| tcggaccaaa | cgcttttgca  | cgacagtctt  | gaaaatgcag | cctatctttg  | agttttcttta | 638520 |
| ttcataccac | gagttgcccg  | ttcgtatgag  | gataggttac | cgttacgacg  | agcaggaacg  | 638580 |
| cgctttgcgt | tttaccgaga  | atttcaagtt  | cgcttatatg | gccgagtggc  | aggagcggtc  | 638640 |
| atgccgctgg | attaaccgct  | ggcaggatat  | tactggcgt  | gtgggagagt  | ttcctctcat  | 638700 |
| tgaagaccgt | atcaccact   | atgacatcaa  | gcgctactgg | caggacaaag  | gaatcgactt  | 638760 |
| ttccgaagat | tccaactgtc  | tcaactgctt  | ctggaaggct | cccgcacagt  | tgcgcaagaa  | 638820 |
| tttcgataca | tgtcctcccg  | tcagtgtgtg  | gtcagctata | caggaggatc  | ttcaaggcaa  | 638880 |
| taccttcaag | gacaagatga  | gtcttttatc  | catatccagg | ctgccgcttc  | agctcgactt  | 638940 |
| cttttatggg | acaggttcag  | gctgtcaggc  | gggcttctgc | acagattgac  | gcagtttttc  | 639000 |
| cctattggac | ctgtcggcag  | cttgccgacg  | ggcctttttc | taccatttgt  | atgccgttat  | 639060 |
| tcctggaagt | tcctatatata | ctcgttgccg  | gttagtatca | tcaatgccc   | aaccggttta  | 639120 |
| ttttccctgc | aaagttcgat  | tgccatctct  | tcgtcctgtc | aaggcctgct  | ttcagcgtgt  | 639180 |
| tgtgaaaaa  | tcttcctttc  | cgcttcagcg  | aaagcgtatt | tttagcacca  | tccttggccg  | 639240 |
| gactgcttgc | caatcttcgg  | gcaggaaaaa  | tccacctttt | ggcaaaaagat | atacgaccaa  | 639300 |
| agggaataa  | ataattta    | gttcaattta  | atcagataat | acaatgggaa  | tagaagaaat  | 639360 |
| tttacagcgt | gattcaaaat  | tcagatatat  | gttgcttggg | cgtatgcagt  | cagattgcga  | 639420 |
| gtactatctt | ggtttcggta  | ataggaatca  | gtcccgtcta | tgggcaggca  | acgaagaaaa  | 639480 |
| tcagatagaa | tacatgaaac  | ggattcatga  | aagtttcagc | gatggagata  | aaccgcaatg  | 639540 |
| gctttctatg | agtcagattt  | tggattacgc  | cagacagatg | ataccgtctg  | cagaataaaa  | 639600 |
| tcctctatct | aatcccgcag  | atgttgattt  | tatgtcaatg | cctgcgggtg  | acatttcatt  | 639660 |

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|             |            |             |             |             |            |        |
|-------------|------------|-------------|-------------|-------------|------------|--------|
| atccttttat  | attagcatat | ccattttata  | tttccacacc  | ccgttgtagt  | tgttgtttca | 639720 |
| acattcattg  | ttcacatcgg | gagtaacat   | tcatttcact  | gcaaagttct  | attgatgcca | 639780 |
| gccatatctt  | tacaagggtc | ccttccagtt  | atgtcagaaa  | tcttcctttt  | tcctgaagaa | 639840 |
| aaagagtatt  | tcagccataa | accttgcaga  | tattggcatc  | catacattaa  | gcagtaaaat | 639900 |
| tgaattaatt  | actccttatt | gataaacaat  | gaaattataa  | tagggaaaag  | ttgaacataa | 639960 |
| atttttaatg  | gttatggctg | aaaaggtttt  | taaagtaggt  | ggttgcaa    | tcattttatt | 640020 |
| gagatgggg   | gataagtg   | tatttcctct  | tatttcctac  | tatttgtag   | gtaaagatag | 640080 |
| tcctattttac | atggctcttt | tttcttgga   | tctgaaggaa  | ggcaaatttg  | tgaaggaaac | 640140 |
| tacagttact  | attaattttt | ctaagaaacc  | gcgtggcttt  | tgttgccagt  | tcgttgacac | 640200 |
| ccaaaaaaat  | ggttcttcaa | ttattgattg  | gctttagat   | aacggctttg  | gttcactgac | 640260 |
| gaaacgttct  | gtaacatcag | gcctctctac  | gtatcccga   | ttttacttcg  | ttggtggcgt | 640320 |
| taattttcat  | aaatacaaga | gattttgtga  | tgaccatccg  | gaaattagta  | aattcctgcg | 640380 |
| tatttgattt  | tcctgtctgt | tttccagtc   | aaattaagg   | actggaaact  | tttggctttt | 640440 |
| agctgattcg  | cttctgtttt | tatacatata  | tcttcacttt  | tatagtacgg  | tttcttgaag | 640500 |
| tcattgattat | acagtagatt | tggtagactt  | caggagtttc  | tgaaatttcc  | attattcttt | 640560 |
| tttagtggtta | cagcacattt | attccctttt  | tatttatattc | gaatgtattt  | attcattcgt | 640620 |
| ttataggaga  | aactgttacc | tcttctttgt  | cgttttaagg  | atttaattgtt | ataggaaact | 640680 |
| ttacacccaa  | tttttccaaa | cgtttcataa  | ttgcttgggc  | atggtctata  | tattcaggag | 640740 |
| tacccaattt  | gttatctaca | atgttttgta  | ccataaaggc  | aagacttatt  | ccacttttac | 640800 |
| caacataata  | tgggtctgca | ttatattcgt  | tccataataa  | atccaccagc  | tctaaccctt | 640860 |
| ttgctattac  | agcaaattga | atgggtgtca  | atcctccaaa  | ttcttgattt  | acttttgctc | 640920 |
| catgctctat  | taaaaaacga | actttttttg  | tgtctttccc  | tgagtgtttt  | atgcagggtg | 640980 |
| ctaattggaga | taaaatagta | tcattaacat  | ttgctccatt  | ttcaaccaac  | aacttcatgt | 641040 |
| atttaataagg | ataccaatta | tgctgacaga  | tacagtatag  | gggtaataat  | ttctctatac | 641100 |
| tacctgatgg  | atgcgtgact | atagataata  | tgtaggggtc  | cgcaccattt  | tccagcagaa | 641160 |
| ctttagccac  | atcatattgt | tcaatataaa  | cggcatat    | aagaaatgta  | aaacctgcct | 641220 |
| ttccgggtct  | gtttatatcc | actctgcctg  | tattgatata  | gtctctgaca  | agttttttct | 641280 |
| cgccataata  | gattgcatct | gccattgcca  | tttcaagggtc | aaccttacgg  | ctaaaatatg | 641340 |
| tatccgggtt  | aaagtctttt | actgccatat  | tgctacaact  | taaaagaagc  | aacgtagatg | 641400 |
| ccagataaga  | aaataaattt | cgtatttttg  | atattatcaa  | attcacatcc  | atttccattc | 641460 |
| cgttttgttt  | tcgtctgttt | tacattgatt  | catattgctt  | tcgtttgaaa  | tggatgtact | 641520 |
| atcttcttca  | acccttttgc | ttttagttac  | tggaatttta  | atgccatttt  | ttttcaaacg | 641580 |
| ttctattatt  | tcttccgcat | gggttaaata  | ctctggagtt  | cctaatttgc  | gctctatttg | 641640 |
| ttgctgtaat  | ttatagccca | agctaacccc  | atctttatta  | atatgattag  | gctttgcacc | 641700 |
| attatccaaa  | aaatattcta | ccaaatcaag  | ctctctgaca  | atagctgctg  | taatgatagg | 641760 |
| tgtatctcct  | gaattatcag | ggacattcaa  | atccaaacca  | tgattcatca  | aatatttgat | 641820 |
| tcgctccata  | tcgcctgctc | caccaacaat  | aagtctgtga  | atcgggtgta  | atgggatagt | 641880 |
| tgcggtttaca | tcagcaccgt | actctattaa  | caactttatg  | tattttatat  | cccaatcagg | 641940 |
| atgccacaaa  | acaaaggaaa | gtggcattaa  | cctaaatgta  | ccctcttccc  | gtttaatata | 642000 |
| atcagggtta  | tccccttcga | cgggatgggt  | tacataagat  | aaaagatttg  | ggtctgctcc | 642060 |
| taatttttagc | aagagttttg | ccatatcata  | cttttgata   | tatatggcat  | acataaggta | 642120 |
| ggtaaatcca  | tatttcccgg | gggtattttat | atcaactcta  | ccattgttaa  | tcatttcttt | 642180 |
| tatctcactt  | ttattcccat | agtagatatt  | ttctgccata  | gataattctg  | cgcctcttga | 642240 |
| aaaatatttt  | tccggtatat | atttagactt  | gttcatattg  | caacttggtta | acattaaaaa | 642300 |
| aatacaatat  | attatcaaag | atttcataac  | tcttcgtttt  | aaaaatcact  | tgtaaacacc | 642360 |
| aacaaatcag  | gattgttttc | tttttcgtcc  | ttgagggtct  | ttaataaatt  | agattctttc | 642420 |
| aggaaatgac  | catcaattat | attggaattg  | gtttcaagtc  | caattttttc  | tcctgctact | 642480 |
| tgtggtaaat  | tatccccag  | tatcaacccg  | ctacctaaat  | atgcaagaaa  | ggcattgcca | 642540 |

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|            |             |             |             |             |             |        |
|------------|-------------|-------------|-------------|-------------|-------------|--------|
| ctacttgcca | atagagagcc  | taaaatactc  | cggttatfff  | gtatcatatt  | caaagggtcg  | 642600 |
| tctgttgagt | aatatgcctg  | tatatgtccc  | atgctgtfff  | cactcagttt  | ttgggtctttc | 642660 |
| aatgttttag | aatgtagtcc  | tgctgcatta  | aatgtataag  | ccttggaacc  | tgtaacggca  | 642720 |
| gaagctatgg | aagcaagccc  | acctcctaaa  | gaatgtcccg  | taataatcaa  | attcttttgt  | 642780 |
| cctgtatat  | cttgtacctt  | atctgcta    | tctgccgcct  | tatggatttg  | tccttttttc  | 642840 |
| ccatcatcca | atccaactcc  | ttgccgaata  | tcagtaatcc  | aatcttttag  | gtcctctgtt  | 642900 |
| cctgcaaatg | ccagtatata  | aagtttttct  | ttttcattgt  | aatacagact  | tgcttttaac  | 642960 |
| cccgatctgt | tttcccatct  | ttctttttct  | atgtttatat  | cctctgtagt  | ttctttccaa  | 643020 |
| ccttcgggta | attcagcatt  | actatccttt  | tttttataac  | agtaatcact  | aatcagcagg  | 643080 |
| cagtcgatag | ctaattgaat  | acttggcaga  | acaatagata  | ccatgccgcc  | caaaagacaa  | 643140 |
| ttcagtttgg | catcgggcat  | cagagccatt  | tggttttggga | tgagcacgct  | gttcttttacg | 643200 |
| ctcgtccatt | tgcccggcct  | ggtcagacag  | gcgcatatac  | atggcattag  | tgagagcagt  | 643260 |
| tttccgctga | ttgagccagt  | cagggcactt  | gtccccacag  | ccgccataat  | gccgcctatg  | 643320 |
| gcagctccac | ctgtaaagat  | tgctcctgca  | gcaatggctg  | cacctacgat  | agcacctacc  | 643380 |
| atagctcctg | cggaaacccat | cttcaggcaa  | taaaaattgt  | tatccatgcg  | gtcattcatg  | 643440 |
| gtcgccacga | gtttcccgtg  | tgcaaaaacc  | gttttctggc  | tcttgaccaa  | catgcgctgc  | 643500 |
| atacaagttc | cttccgaaca  | aataagccag  | ttaccgtcaa  | ttaaaaattt  | acgtgccata  | 643560 |
| atctactctt | ttggaattaa  | actgaaagtt  | acagtctttt  | tgtgtacaaa  | cctgtcactt  | 643620 |
| gactgttcct | ttatacaagc  | ctctattttc  | tgaaccctat  | gttcagaatt  | gaatacgtat  | 643680 |
| tcaatgtcaa | tggtaaaacc  | atagtcaaat  | tcgctttgcy  | tcaatggcct  | aatctgcttg  | 643740 |
| tcgtaggctt | tcttcattgc  | agactgatga  | tgaacgtagc  | ctttgccgta  | aaaatgctgc  | 643800 |
| ctgtctcttt | ccgaaacggg  | actctccaat  | tcgatgtcta  | taagctcccc  | ttcattcagc  | 643860 |
| acggaagaca | gttctatatt  | aaacctgttc  | tctcccctgt  | agcgaactaa  | gaatatgagg  | 643920 |
| tgcagcagtg | attgcatcag  | tgtgccttca  | caggcataat  | aagcgtaatc  | caactttttcc | 643980 |
| accatctttt | taacctgctt  | aattccttcg  | tattcggata  | gaagctcctt  | tcttacattt  | 644040 |
| tcccatttgt | cctgaatttc  | cttccggctg  | accaccgaat  | acagttttcc  | gtcattgtca  | 644100 |
| atgcacaaat | gcaaatgctg  | gaatatggag  | ttgagctgat  | tgaacagttt  | gtatgtcggga | 644160 |
| tggacttccg | gtgcattgct  | atgcggaagt  | tcaacgacat  | caatgacaat  | gttccggtaa  | 644220 |
| cgtttttcgt | cataaaaata  | gtgaacgctc  | cattttttgac | tggttatttc  | atcgtagagc  | 644280 |
| ggctgatgat | tgattttccgt | aagactggca  | atttctattg  | catagtccaa  | agtcattggtc | 644340 |
| ttcatcgtct | tatccataag  | gtcaaatgga  | ttgatgtggt  | tttcaaacat  | acgaaaaaaa  | 644400 |
| aaggagaagg | aagcattttg  | atatgttttt  | tttcagatac  | ttatgcttaa  | gcataagcat  | 644460 |
| tgtatatata | ttaaacgttg  | tactttttgta | taaattttca  | acatcaaagt  | gtggaataag  | 644520 |
| accgacgtaa | gcttagtcat  | ttagattgta  | tcggatgttc  | agccccaca   | cttttacatc  | 644580 |
| agaatccgga | tagttcattg  | ggcagttaga  | ccccgcattt  | gcaatgatgg  | ctaaagatgt  | 644640 |
| atagatgttg | cgttgtaatt  | ataaaaacca  | ttagcttatg  | acctacgttg  | gaattgatgt  | 644700 |
| tagtaagtta | acattcgtgg  | ttgcttattc  | ttctgcaaaa  | agcagtaaaa  | ccaaaacctt  | 644760 |
| taagaatata | gctaaaggta  | ttcgtgagtt  | tataaaaacg  | atatcagttg  | atgaacatca  | 644820 |
| ttgtgttatg | gaagcaacag  | gcaattatag  | tacattgctt  | gtatatatgc  | tttccgagtt  | 644880 |
| tggttttaca | gtaagcctgg  | agaaccctct  | gaagataaaa  | aatttctcca  | aagtcattgct | 644940 |
| ttcagtcata | aagtctgacg  | agattgatgc  | acgtcttata  | gcactatacg  | gtgagaagat  | 645000 |
| gcaaccatct | ccatacagaa  | tgcgacgcga  | ttcaatttta  | gttctcaaac  | aaaaacgtac  | 645060 |
| gtcctacgc  | cagctaaaga  | agcagttagt  | agcaacaagc  | aacctgaaag  | gttctatgga  | 645120 |
| ggttcttcca | atttatgact  | ctaaatgcaa  | gaaaacaata  | gagaaaacga  | ttgcttttct  | 645180 |
| gggaaaacaa | atcaaataata | tggaagaaga  | actggcttca  | ttagctaattg | atgaattcaa  | 645240 |
| gaaacagatg | gatttactca  | cttcataaaa  | aggtatcggt  | gtaacactag  | ctgcggcttt  | 645300 |
| aattgtggca | actggtggct  | ttacataact  | tgataatgca  | aaacaactta  | cgcggttatct | 645360 |
| tggcttatca | ccaacatata  | aacagtcagg  | aacatctgtc  | aacttttaaag | gtcacataaa  | 645420 |

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|             |             |             |             |            |             |        |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| cagaaatggc  | gatccaattc  | ttcgaagtca  | actatatgtg  | gcagcattct | catcacttag  | 645480 |
| gtgcaataca  | gaatgtaaag  | catgttttga  | ccgtctacga  | tctaaaggta | aacctggtaa  | 645540 |
| agtagctgtt  | gttgctgtcg  | ccaataaatt  | ggtaagacag  | gcctttgcag | ttgttacaca  | 645600 |
| agataagcca  | tatgttgatg  | gatttatatc  | agtaaaacca  | taatcactcc | tgcggaggga  | 645660 |
| gcgccatgcg  | gcaagggact  | gagcagtcag  | gcccgcagag  | ttttcattat | acatatgcat  | 645720 |
| aaacatactt  | ataattgtta  | aatatattca  | agtttttatt  | atagttcatc | cgataaagta  | 645780 |
| cacattgtat  | ttttcataaa  | atagaaaact  | cttcttatca  | acaagtataa | agttgactgg  | 645840 |
| aagagtttac  | tatttctatt  | agacttcaat  | tggattttcg  | ttggacttct | tcaacttcca  | 645900 |
| aatattagga  | agcagttccc  | ggatattttt  | acaggagtgtg | tttcatgata | gtacaagtca  | 645960 |
| ctggattgtt  | gtcattttata | atccccttata | aatcctgttg  | taatccgtat | tatattcgct  | 646020 |
| tgaataataa  | aagatttgaa  | aagtgttgga  | atactctgtc  | attaaataaa | tttatatctt  | 646080 |
| cagaaatatc  | tattcagacc  | agaattgtat  | atccgaaaac  | aaaaaataat | tcataaaaat  | 646140 |
| tttataacga  | tgattcgttt  | ttcttagttc  | atcttcgatg  | gctactttat | ctttcccttt  | 646200 |
| tttcataatt  | tccaaaataa  | tttgagtctt  | ttctataagg  | cagcttcgta | tagtccctct  | 646260 |
| atataagcct  | ggacaacaat  | cttttaagct  | ttcaataata  | aagataccct | tttgtctatt  | 646320 |
| ttctatgtct  | aaatacaaca  | atgctgcttt  | attaattaaa  | atataatatt | cataatatga  | 646380 |
| atctgcaatt  | ggttttattta | gcttttctgc  | tttatctagt  | aaactgattg | aatatagctt  | 646440 |
| atcattaaat  | ttttcatatg  | aaataattgc  | aatagtaata  | taaggтата  | tttttgtagg  | 646500 |
| actttcagat  | attgaatcta  | atatattggg  | caatacttcg  | gtaaattttt | accgataaat  | 646560 |
| taaaattaaa  | catagaatcg  | gcataatccg  | gttcaaaatt  | atattcaaga | gatcattgaa  | 646620 |
| atactgtcaa  | gaataaatcg  | tcaaggagta  | agaaaaggga  | tgaaaaagat | atgctaaaca  | 646680 |
| gctgaaaatc  | aacagaaaaa  | gtatttcata  | attcactgat  | ttttagtaaa | ttagaagtac  | 646740 |
| ttcaccactt  | ttaattatga  | ctaaagaatc  | actccttatg  | caataccaat | ccgagtgcag  | 646800 |
| aaacgctctc  | gaatcagctg  | taaatataag  | caaactcttt  | cagaaagtat | tcatggatgc  | 646860 |
| aatgaaatta  | ttcatggcta  | tacctgaccg  | catcaatttc  | ctacaaatgg | gacggtatgg  | 646920 |
| atgtttctcg  | gaacagacat  | accgcaacaa  | ttttgagaac  | gacggctttg | actggttttc  | 646980 |
| cttcaatgaa  | gccatcatca  | gggaacacct  | taaagggtgg  | cgcaaggcga | tagccgttga  | 647040 |
| tccgtctttc  | attccaaaat  | caggcagcaa  | aacgccgtgg  | attggctatt | tctgggtccgg | 647100 |
| ttgtgccggt  | gaatacaaac  | gtggactgga  | aataaccggt  | attggagtta | tagacgttga  | 647160 |
| caaccatgaa  | tgtatgactt  | tgggctctgt  | acagacacct  | gacaacgcaa | cgctggaaag  | 647220 |
| ctgtgagaag  | aatcctgttg  | actggtacag  | ctcttacctt  | atcagcatac | aggaacagct  | 647280 |
| gaaacgtatt  | tctggcacag  | tcgtgtgtga  | tgcgttcttt  | tcaaaggcaa | ctttcatcaa  | 647340 |
| accattgtac  | gataacggtt  | tccacgtaat  | aagccgtttc  | aggaatgatg | ccgtattgtt  | 647400 |
| ttatcccacc  | ttagaaaata  | ggacaggaaa  | acgcggacgt  | ccaaaattac | atgacgagaa  | 647460 |
| aattgacttt  | gaaaatctgg  | acatcacaag  | atgtaccgag  | tacaaagtga | acaagggtaa  | 647520 |
| actttacgga  | ctgaaagcat  | actccaaagc  | actcaaacgc  | tttgtgagcc | tggctgtatg  | 647580 |
| gtaccccatg  | gatggaagaa  | cggacaaatg  | gcagctgtat  | ttctctacaa | acgaaataca  | 647640 |
| gaacgcacag  | gatgtcctgg  | acttttacag  | aacacgtttc  | caactcgaat | tctgctttcg  | 647700 |
| ggatgccaag  | caacatgccg  | gaatagcaaa  | ctgtcagtct  | acagacttca | ggaaactggc  | 647760 |
| attccacttt  | aatgcatcac  | ttgcagcgat  | aaacctcgcc  | aaggctgcct | gtaagaagat  | 647820 |
| gggaataaaa  | tattccatat  | catcatgcaa  | gtcagtcata  | cacaatgctt | acatgcttga  | 647880 |
| acgattttatt | tgcgtgtctg  | ggattgaacc  | aaacacgcaa  | ttaattgaca | aacttttcaa  | 647940 |
| agaactcatt  | ttattttactg | ccagagccgc  | ttaggctggg  | ctaattttta | acgaactatt  | 648000 |
| gattgggtata | ttgtgtcaat  | aattcctttg  | gaattatcat  | gccagcacga | aaaaatgcta  | 648060 |
| ttaaaatatt  | atttaaggaa  | tatataatca  | tttttttatt  | atttgaacaa | taaaaaacat  | 648120 |
| ctagatgaca  | atataataat  | ttcgcgaaatg | ataatgcgac  | atcgttttct | ccaagattca  | 648180 |
| ataaattacc  | aatgtgattt  | ataacagcca  | tataatatct  | atttattaat | ggagtctttt  | 648240 |
| caaaaataaat | aatgctcttt  | tcggtttttt  | gtacagcaag  | ctctatttga | tgaagcgtg   | 648300 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
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| tagaaatatt  | gtatattaat  | tcccgcctcaa | tcctttgagc  | tgctccataa  | tctcctgtta  | 648420 |
| tattaatgat  | aaatgagatt  | aaagttaatg  | agcttggttc  | atataatgca  | atagataaat  | 648480 |
| ctttacttct  | aagctgtaca  | tctttcatat  | ataacaatgc  | attatcaaga  | tcttcattat  | 648540 |
| ttcttgaaag  | tttgaatac   | aatagttcgt  | taaaaattag  | cccagcctaa  | gcggctctgg  | 648600 |
| cagtaaataa  | aatgagttct  | ttgaaaagtt  | tgtcaattaa  | ttgcgtgttt  | ggttcaatcc  | 648660 |
| cagacacgca  | aataaatcgt  | tcaagcatgt  | aagcattgtg  | tatgactgac  | ttgcatgatg  | 648720 |
| atatggaata  | ttttattccc  | atcttcttac  | aggcagcctt  | ggcgagggtt  | atcgctgcaa  | 648780 |
| gtgatgcatt  | aaagtggaat  | gccagtttcc  | tgaagtctgt  | agactgacag  | tttgctattc  | 648840 |
| cggcatgttg  | cttggcatcc  | cgaagcaga   | attcgagttg  | gaaacgtgtt  | ctgtaaaagt  | 648900 |
| ccaggacatc  | ctgtgctg    | tgtatttctg  | ttgtagagaa  | atacagctgc  | catttgtccg  | 648960 |
| ttcttccatc  | catggggtag  | catacagcca  | ggctcacaaa  | gcgtttgagt  | gctttggagt  | 649020 |
| atgctttcag  | tccgtaaagt  | ttacccttgt  | tcactttgta  | ctcggtacat  | cttgtgatgt  | 649080 |
| ccagattttc  | aaagtcaatt  | ttctcgtcat  | gtaatttttg  | acgtccgcgt  | tttctgttcc  | 649140 |
| tatttttctaa | ggtgggataa  | aacaatacgg  | catcattcct  | gaaacggctt  | attacgtgga  | 649200 |
| aaccgttatc  | gtacaatggt  | ttgatgaaag  | ttgcctttga  | aaagaacgca  | tcacacacga  | 649260 |
| ctgtgccaga  | aatacgtttc  | agctgttcct  | gtatgctgat  | aaggtaagag  | ctgtaccagt  | 649320 |
| caacaagatt  | cttctcacag  | ctttccagcg  | ttgcgttgct  | aggtgtctgt  | acagagccca  | 649380 |
| aagtcataca  | ttcatgggtg  | tcaacgtcta  | taactccaat  | accggttatt  | tccagtccac  | 649440 |
| gtttgtattc  | accggcacia  | cgggaccaga  | aatagccaat  | ccacggcggt  | ttgctgcctg  | 649500 |
| attttggaat  | gaaagacgga  | tcaacggcta  | tcgccttgcg  | accaccttta  | aggtgttccc  | 649560 |
| tgatgatggc  | ttcattgaag  | gaaaaccagt  | caaagccgtc  | gttctcaaaa  | ttgttgcggt  | 649620 |
| atgtctgttc  | cgagaaacat  | ccataccgtc  | ccattttag   | gaaattgatg  | cggtcaggta  | 649680 |
| tagccatgaa  | taatttcatt  | gcacccatga  | atactttctg  | aaaagatttg  | cttatattta  | 649740 |
| cagctgattc  | gagagcggtt  | ctgcactcgg  | attgggtattg | cataaggagt  | gattcttttag | 649800 |
| tcataattaa  | aagtgggtgaa | gtacttctaa  | tttactaaaa  | atcagtgaat  | tatgaaatac  | 649860 |
| tttttctggt  | gattttcagc  | tgtttagcat  | atctttttca  | tcccttttct  | tactccttga  | 649920 |
| cgattttattc | ttgacagtat  | ttcaatgatc  | tcttgaatat  | aattttgaac  | cggattatgc  | 649980 |
| cgatttctatg | tttaattttta | atttatcggt  | aaaaattttac | cgaagtattg  | taatatgcaa  | 650040 |
| gaccaacata  | gtaatctttt  | actaacatta  | ataatggaga  | atctattttct | gaataagtgt  | 650100 |
| ttaaaattga  | aacagaattc  | tcaaaatttt  | gatttttgaa  | atttaaaaag  | aaaatctcca  | 650160 |
| tcgttttttaa | gtattcaata  | cgatgaaact  | tatatgcata  | tttgtctaat  | tttagttcta  | 650220 |
| gctcagtggt  | gcatttaatc  | ccattttttt  | tatagttgag  | ccatataaga  | ataaggagat  | 650280 |
| cacaagcctc  | gcttaacatc  | tcggaacttg  | atttttccaa  | aaaaaagagt  | ctaacttcat  | 650340 |
| aattagaagg  | ataaagttca  | gaataagcat  | ctgaaatttt  | tttattttatt | acacgtttgt  | 650400 |
| acttagtta   | tctttcaaaa  | tattgacgga  | caaataatatt | agcaaatttt  | acagtatcgc  | 650460 |
| tatcttttat  | tgtaaagattg | tatttctctg  | atatttctag  | agtatcttca  | acaaatgatc  | 650520 |
| tatcatgggtc | tattactttt  | atcaatggta  | ataaatcaat  | aatttctcct  | aattctgatg  | 650580 |
| ctgtcgataa  | aactctcaaa  | acgtccctag  | aatgatctcc  | tattgcacgt  | agcttatttg  | 650640 |
| ataaaattac  | atttattgca  | ttttcaaaact | tttggttgagt | gaatccaatg  | gctgtttcgt  | 650700 |
| tggttatatt  | gttcaatagt  | tcgttaaaaa  | ttagcccagc  | ctaagcggct  | ctggcagtaa  | 650760 |
| ataaaatgag  | ttctttgaaa  | agtttgtaaa  | tttaattgcgt | gtttgggttca | atcccagaca  | 650820 |
| cgcaaataaaa | tcgttcaagc  | atgtaagcat  | tgtgtatgac  | tgacttgcat  | gatgatattg  | 650880 |
| aatatttttat | tcccattctt  | ttacaggcag  | ccttggcgag  | gtttatcgct  | gcaagtgatg  | 650940 |
| cattaaagtg  | gaatgccagt  | ttcctgaagt  | ctgtagactg  | acagtttgct  | attccggcat  | 651000 |
| gttgcttggc  | atcccgaag   | cagaattcga  | gttggaacg   | tgttctgtaa  | aagtccagga  | 651060 |
| catcctgtgc  | gttctgtatt  | tcgtttgtag  | agaaatacag  | ctgccatttg  | tccgttcttc  | 651120 |
| catccatggg  | gtaccataca  | gccaggctca  | caaagcgttt  | gagtgccttg  | gagtatgctt  | 651180 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| tcagtccgta  | aagtttacc  | ttgttcactt  | tgtactcgg   | acatcttgtg  | atgtccagat  | 651240 |
| tttcaaagtc  | aattttctcg | tcattgtaatt | ttggacgtcc  | gcgttttcct  | gtcctat     | 651300 |
| ctaagggtggg | ataaaacaat | acggcatcat  | tcctgaaacg  | gcttattacg  | tggaaccgt   | 651360 |
| tatcgtacaa  | tggtttgatg | aaagttgcct  | ttgaaaagaa  | cgcacacac   | acgactgtgc  | 651420 |
| cagaaatacg  | tttcagctgt | tcctgtatgc  | tgataaggta  | agagctgtac  | cagtcaacaa  | 651480 |
| gattcttctc  | acagctttcc | agcgttgcgt  | tgtaggtgt   | ctgtacagag  | cccaaagtca  | 651540 |
| tacattcatg  | gttgtcaacg | tctataactc  | caataccggt  | tatttccagt  | ccacgtttgt  | 651600 |
| attcaccggc  | acaaccggac | cagaaatagc  | caatccacgg  | cgttttgctg  | cctgattttg  | 651660 |
| gaatgaaaga  | cggatcaacg | gctatcgct   | tgcgaccacc  | tttaagggtgt | tccctgatga  | 651720 |
| tggttcat    | gaaggaaaac | cagtcaaagc  | cgtagcttctc | aaaattgttg  | cggtagtct   | 651780 |
| gttccgagaa  | acatccatac | cgtcccattt  | gtaggaaatt  | gatgcggtca  | ggtatagcca  | 651840 |
| tgaataattt  | cattgcatcc | atgaatactt  | tctgaaaaga  | tttgcttata  | tttacagctg  | 651900 |
| attcgagagc  | gtttctgcac | tcggattgg   | attgcataag  | gagtgattct  | ttagtcataa  | 651960 |
| ttaaaagtgg  | tgaagtactt | ctaatttact  | aaaaatcagt  | gaattatgaa  | atactttttc  | 652020 |
| tggtgatttt  | cagctgttta | gcatactttt  | ttcatccctt  | ttcttactcc  | ttgacgattt  | 652080 |
| attcttgaca  | gtatttcaat | gatctcttga  | atataatttt  | gaaccggatt  | atgccgattc  | 652140 |
| tatgtttaat  | tttaatttat | cggtaaaaaat | ttaccgaagt  | attgattgtt  | tataaaatac  | 652200 |
| tccattttct  | ttaaattccc | atcacaaagt  | tgaatatgg   | ctttttgaaa  | atctttttct  | 652260 |
| aaattatctt  | tcccaaaaac | gtgaaatatt  | tcaacaatgt  | tttcttcttg  | aggttcttta  | 652320 |
| atctcaaaaa  | catcatttat | gtcattatag  | aaaatgtcat  | caaagttatc  | agatagatat  | 652380 |
| actagtgtaa  | gattttttta | tttgggggtat | tcttctataa  | atttataatt  | ttgtatataa  | 652440 |
| tttaataatt  | gtttagagta | ttcatcgaat  | aaatgtggat  | atttacacac  | aagatacaca  | 652500 |
| ttacctttga  | aggatatcag | tttgactaac  | gtattttacaa | taccctgagt  | tttttcatct  | 652560 |
| aaaataaaat  | ctctattatc | aatattttct  | atgatatact  | tcagggtttc  | tgattgagtt  | 652620 |
| aaatcaacaa  | caagattgct | taatagagat  | ttaaatgaga  | atgattcaaa  | gttatattta  | 652680 |
| taatatcat   | taagactttc | atagaatgga  | aagaaaggca  | aattaaaagc  | attcttttcc  | 652740 |
| atttgaatta  | cagtagataa | ttcagaaaaa  | atgtcatata  | aaaacaattg  | ttcaaaatct  | 652800 |
| aaattaacac  | ttttaatcgc | taaaagttta  | ctctgttgaa  | ttttttcatt  | aataatattt  | 652860 |
| ttatcatgcc  | tctgccaact | aaataacaca  | tttttcttac  | gtgaattatc  | cataatttta  | 652920 |
| agttatcgg   | tattcatacc | ggtatatttc  | ctggtgatat  | ccactttctt  | cgggtgctttg | 652980 |
| tatttctttc  | ctttgcaaaa | ctttaatata  | taccagaatg  | aaagaagtaa  | ttgaacagca  | 653040 |
| gagaagttat  | acagctatta | aaaatgtgat  | gagtgacttt  | ttgtctcatt  | gtcgatatga  | 653100 |
| aaaaagacta  | agtgaaga   | caattaaagc  | ctataaggta  | gatggatttc  | agtttgagac  | 653160 |
| ttttgtcaac  | ggtgatttta | atgttaccta  | ttttgaacac  | ataaccaaag  | aaatgataaa  | 653220 |
| aagatatata  | cagactatat | ctacatttaa  | gccaaagaca  | attaaaagaa  | agatagcatc  | 653280 |
| actgaaagcc  | ttattctcgt | attatgaata  | cgagaatgat  | ttatttgtaa  | atcctataag  | 653340 |
| aaaaattaga  | ctccaggtaa | aagagcctaa  | agtattgcct  | gtcgttatgc  | actataatga  | 653400 |
| ggtcgagcag  | attctcagat | atttgtacga  | aataagggaa  | gagaatgtta  | aacctcaaag  | 653460 |
| ctacacttat  | ttggccagaa | cacgtgatgt  | atgcatgatc  | gaagtcctgt  | ttgctacagg  | 653520 |
| aatacgggtt  | gcagaactat | gcagtctgtc  | ctgtaatgat  | atagatcttg  | agaatggtgt  | 653580 |
| tctaaaagtg  | aatggtaaag | gcagtaagga  | gcgaataata  | caaatatgct  | catcggaagt  | 653640 |
| acttgatatt  | ctaaaagagt | attatgtttt  | agtacagcct  | cagacttttt  | tcttcgtgaa  | 653700 |
| tcgtttagg   | aatagaatgt | ccgagcagtc  | agtttagattg | ttaatcaaaa  | agtgtgtaac  | 653760 |
| cgttctgcag  | atgaacaaga | gagtaacccc  | tcatacattt  | cggcatacat  | ttgctacatt  | 653820 |
| acttttggaa  | agaggggttg | atataaaata  | tatccaaaat  | cttctcggac  | atagcagtat  | 653880 |
| tgttacgacg  | caaactata  | cgcattgtaa  | tatgaatatg  | cagaaagaaa  | tactacaaag  | 653940 |
| caaacatcca  | agaaatggat | tgagacttat  | cgttttcaaa  | agggatattg  | atacagaatt  | 654000 |
| gtagctatat  | ttataaccta | tctttatatt  | gctcaattat  | ttgatttata  | caaaaatgct  | 654060 |

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|-------------|------------|------------|-------------|-------------|-------------|--------|
| tatgtagttt  | tatagggcaa | gtcgattgaa | acagtttctt  | atgaaaaagg  | gaaccttttt  | 654120 |
| tagtattgct  | taccaaactt | tgaaaggaat | aatcagcgaa  | cataccaata  | aaaaaagccg  | 654180 |
| gctaataaac  | aattagctgg | ctctcttttt | cacactatta  | attaatccaa  | ttagctcaaa  | 654240 |
| atggctgttt  | ttatttcctc | tctttccata | aaggattatc  | aataaatatc  | caggaagaag  | 654300 |
| attcccagac  | agcatattca | ccattgctta | cagattgtcc  | ttcatacgta  | acctttgcct  | 654360 |
| tgccatcttt  | gaaagggag  | gcaaatttat | agcttggagg  | gatgattacc  | ttacccatag  | 654420 |
| tatctgcaaa  | tccgatgggt | ccatcttcgt | ctatgattct  | gaataatcct  | tcttgtgggt  | 654480 |
| agtcgggtcc  | attgtcatac | ttgaatacgt | taaaaagctt  | attgcctttt  | ttgtcaaggc  | 654540 |
| atactatttt  | tccgtttcct | tcagccacaa | atccaatatg  | gttgattgtg  | tcggtatagg  | 654600 |
| caaatggata  | catacatggt | attacagtat | caccgttttc  | tgagacatat  | ccgaataaac  | 654660 |
| cattatcttc  | gaccacgaac | aacttctcgt | caggcgttct  | cgtacaacat  | gcaagcccga  | 654720 |
| ttgtgcagat  | gaatgaaaaa | tacaatagga | ttctgttcat  | gattctctct  | cttgattatt  | 654780 |
| gtaatacata  | gagctcaaca | tcaccgcaat | ccgtaaaata  | agcttttctt  | tccacttttt  | 654840 |
| caccgttaaa  | caaatccacg | tgtccggaag | cgtcgctcca  | attacagttc  | ctgaagatta  | 654900 |
| tgattccctt  | ttttcctttg | aaatcttcca | gttttttccc  | ttttatcggg  | gtgccacctt  | 654960 |
| tcttttgctt  | gatgaagcta | agcatgtcag | ttactctata  | aagataccat  | ttcttgtcct  | 655020 |
| ttcccgaaga  | tgtggcaccg | tcatagcgcg | atatgggcat  | acccgaatag  | ttaaaggcat  | 655080 |
| acgacagacg  | tattgcacag | gcgttagtga | agaagccggc  | ctttatgttc  | tcttctactt  | 655140 |
| ttccgccgat  | tagtttaccg | accgctgatg | ttggtagatc  | cttaactttg  | ctgaagttgg  | 655200 |
| aactcagtgt  | tgaataagta | atgctcataa | tgtccttttt  | tagttcggtt  | aacattttatt | 655260 |
| ctagaatagc  | ttcaagtggg | cagcttcatt | ttgaaagggt  | cggtaaagag  | taatcattat  | 655320 |
| cttgtctata  | atgatcagta | acgcaaactt | tatataatag  | ttttcataaa  | cagagtctat  | 655380 |
| gccggaaaaga | atttccaacg | agggtctgtt | ttgctgggat  | gagggtcagat | tatgggcaca  | 655440 |
| cctgtttctg  | tgaatgtaca | gacagctata | catttcatat  | agtccttttt  | ttatggtaca  | 655500 |
| tgtaaattgg  | ttgttgctat | catttttatg | ggtacaatta  | ctacagtttt  | tgaagaatgc  | 655560 |
| agaaatgtca  | agacaatctt | ttcctatgct | gctgaagatt  | tccacatatt  | cctgatactc  | 655620 |
| tctttcacaa  | aaccccatat | tgcttgattt | tgtatgaaac  | tcgtccagga  | tatcttttgt  | 655680 |
| gctgttccat  | atttcattgg | tgtctattgt | cgagatgtta  | aagtcttttt  | tctgtttgac  | 655740 |
| aattgcctgt  | cttagaaagt | ttagaacttt | tcttttatca  | gtcattcggg  | aacatttcctt | 655800 |
| caattcccaa  | gggaagtata | tatcacgtcg | caaatacaaa  | tctatgggtg  | cgatttccca  | 655860 |
| gcataatacat | ttcatttttt | gctcttgccg | acctgtcatt  | ttcatgaaga  | tagattgcat  | 655920 |
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| tgtatcacac  | aggatatccg | atacaggtgc | taatatgaag  | tcagaatgca  | cactcatggc  | 656040 |
| ctacttaaat  | atttttgata | tatctcaatt | gatttggaaa  | ttctttcacg  | cagatatttg  | 656100 |
| aggcacgcag  | gagatttcgt | atgcagattg | ttatttctct  | ttatgtccct  | gattgcgctt  | 656160 |
| ttcaattctt  | cctctaattg | ttcttttctg | gatgtatcta  | atgtcctctt  | ctcaaaagct  | 656220 |
| atgaaataga  | taagtccgaa | aaaataaata | tccagatcta  | tgattgactg  | aaaccgtctc  | 656280 |
| ttatagccaa  | gttctgtaat | gagggtgtca | atgctattca  | gatattggctt | gtagtcctta  | 656340 |
| ttggggaaaa  | tattagtaaa | tctaccaa   | atttgagagt  | ctttgtcgcc  | aacaacagag  | 656400 |
| taaatgtatg  | tttcataata | gctctccatt | ttgcttgcat  | atccatatcc  | gatacttctt  | 656460 |
| tccgaaccct  | ttttcttgta | ctgcgagagt | aatgccgcat  | atcttacaaa  | gtccatgctg  | 656520 |
| ctttttcggg  | atttatcaac | gacactgctt | gatatttctt  | tgcagaatcc  | gggatcaaac  | 656580 |
| catttcttga  | gctgatgggt | caggaagtag | aggggaagctc | ggctttccag  | tacgtaaagt  | 656640 |
| gactttccgc  | gtatattgat | gtttctgaat | aagggtggaga | aaaacttctg  | ttgttcttct  | 656700 |
| tccgtagtag  | ttgatggaac | gatataggca | aaaccaagga  | aattcttggt  | aaagaaatca  | 656760 |
| tcgtccagat  | gttcaaggct | ttcatatttt | tcttgaggac  | atttagccat  | aatttcttcc  | 656820 |
| ttgctattac  | ctttggccaa | tagctcttta | aaagtcattt  | caatcatatt  | ttcctgttca  | 656880 |
| tcgtcatccg  | agtcatcatc | gttttcattc | gcaaggcttt  | ctatattccc  | agaacctgcc  | 656940 |



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| tcttttttgg  | ggaaacgttc  | gatgtatgcc  | aggagtacgg  | atgtaagtct | ctgctggcca  | 657000 |
| tcaatgatca  | ggttatcttg  | tccgtttgct  | gttttataag  | ctccgatagt | cacaggaggg  | 657060 |
| atgaattggt  | tttctttgaa  | tgagtcaatc  | aggttggtat  | agtcattctt | gttccataca  | 657120 |
| aatgtacgct  | gatattcagg  | caacactatg  | ttgcgcttca  | gtatcatctg | tatccagtag  | 657180 |
| gctagtgaat  | actcgccata  | atatgtccgg  | ttgttattca  | ttttaaacta | caaagggatt  | 657240 |
| aaagggtata  | tttatatggt  | tataaagatg  | cgcataatat  | aagaaaactt | attgatactt  | 657300 |
| gaaatatatt  | caggaactta  | ttaatgttca  | atacttcggt  | aaatttttac | cgataaatta  | 657360 |
| aaattaaaca  | tagaatcggc  | ataatccggt  | tcaaaattat  | attcaagaga | tcattgaaat  | 657420 |
| actgtcaaga  | ataaatcgtc  | aaggagtaag  | aaaagggatg  | aaaaagatat | gctaaacagc  | 657480 |
| tgaaaaatcaa | cagaaaaagt  | atttcataat  | tcactgattt  | ttagtaaatt | agaagtactt  | 657540 |
| caccactttt  | aattatgact  | aaagaatcac  | tccttatgca  | ataccaatcc | gagtgcagaa  | 657600 |
| acgctctcga  | atcagctgta  | aatataagca  | aatcttttca  | gaaagtattc | atggatgcaa  | 657660 |
| tgaaattatt  | catggctata  | cctgaccgca  | tcaatttcct  | acaaatggga | cggtatggat  | 657720 |
| gtttctcggg  | acagacatac  | cgcaacaatt  | ttgagaacga  | cggctttgac | tggttttcct  | 657780 |
| tcaatgaagc  | catcatcagg  | gaacacctta  | aagggtggtcg | caaggcgata | gccgttgatc  | 657840 |
| cgtctttcat  | tccaaaatca  | ggcagcaaaa  | cgccgtggat  | tggctatttc | tggtcgggtt  | 657900 |
| gtgccggtga  | atacaaacgt  | ggactggaaa  | taaccggtat  | tggagttata | gacgttgaca  | 657960 |
| accatgaatg  | tatgactttg  | ggctctgtac  | agacacctga  | caacgcaacg | ctggaaagct  | 658020 |
| gtgagaagaa  | tcttgttgac  | tggtagagct  | cttaccttat  | cagcatacag | gaacagctga  | 658080 |
| aacgtatttc  | tggcacagtc  | gtgtgtgatg  | cgttcttttc  | aaaggcaact | ttcatcaaac  | 658140 |
| cattgtacga  | taacggtttc  | cacgtaataa  | gccgtttcag  | gaatgatgcc | gtattgtttt  | 658200 |
| atcccacctt  | agaaaatagg  | acaggaaaac  | gcggacgtcc  | aaaattacat | gacgagaaaa  | 658260 |
| ttgactttga  | aaatctggac  | atcacaagat  | gtaccgagta  | caaagtgaac | aagggtaaac  | 658320 |
| tttacggact  | gaaagcatac  | tccaaagcac  | tcaaacgctt  | tgtgagcctg | gctgtatggt  | 658380 |
| accccatgga  | tggaagaacg  | gacaaatggc  | agctgtattt  | ctctacaaac | gaaatacaga  | 658440 |
| acgcacagga  | tgtcctggac  | ttttacagaa  | cacgtttcca  | actcgaattc | tgctttcggg  | 658500 |
| atgccaagca  | acatgccgga  | atagcaaact  | gtcagtctac  | agacttcagg | aaactggcat  | 658560 |
| tccactttaa  | tgcatacatt  | gcagcgataa  | acctcgccaa  | ggctgcctgt | aagaagatgg  | 658620 |
| gaataaaaata | ttccatatca  | tcattgcaagt | cagtcataca  | caatgcttac | atgcttgaac  | 658680 |
| gatttatattg | cgtgtctggg  | attgaaccaa  | acacgcaatt  | aattgacaaa | cttttcaaag  | 658740 |
| aactcatttt  | atttactgcc  | agagccgctt  | aggctgggct  | aatttttaac | gaactattga  | 658800 |
| atgttaataa  | tgaatttggg  | tatttttgta  | gaagaaatta  | aaaaaataat | gcaatggata  | 658860 |
| taaggcaaat  | aataaaggaa  | aagcgtgata  | tttttaaagc  | catggatcag | gcaatagaca  | 658920 |
| aaacattaaa  | tgtacaagat  | gctcaaatgc  | gtaaggaagg  | tagattggag | ctggataaac  | 658980 |
| tacggggcaa  | agaccgggca  | gtaccttttt  | ttatcggtta  | tgcgtatgaa | tttgaatatg  | 659040 |
| attgttctaa  | agatacaaag  | tatgcccata  | aagcaataga  | agagtataat | aatcttatta  | 659100 |
| attatgaata  | tgctttttta  | catgcaaata  | ttgaacgggt  | gcagagtgtc | gtaaatagtg  | 659160 |
| taaagccata  | aatgtataaa  | gaatctatat  | tcttgaaaag  | atgtttgctc | ggggtaagaa  | 659220 |
| cagacatctt  | ttttattgtg  | agttttgcta  | tatgctgaaa  | acggttgata | tccgttcacc  | 659280 |
| caaaacggtg  | atatccgttc  | acttttcatc  | ctctaaacct  | atggcgatgc | aaattttattg | 659340 |
| attttcgtct  | gtaatgttat  | attttggatg  | ttttttttga  | cgcatactgc | tgccttctaa  | 659400 |
| ctcgaagcgc  | acacttgtgt  | gcaccagcct  | gtctaataat  | gcatacagcg | cagtcgtgtt  | 659460 |
| gcctttcatc  | acatcgtacc  | agttagcaac  | cggcagttgt  | gatatgatga | tagtagcttt  | 659520 |
| ctgtccatgt  | cggctcttcta | taatctccat  | aaagtcaagc  | agctgttgct | cgtcaagaac  | 659580 |
| tttcataccg  | aagtcgtcca  | gtataagcag  | atcagtcgtg  | gccaacctgg | cgaagaaacg  | 659640 |
| atgcagggta  | ctggatatgc  | gggcaaggct  | tatttcctcg  | aagagcctgt | acaggttata  | 659700 |
| ataggcaacc  | ttatgtccgt  | tcattgcaggc | ctgatgacca  | aacgctgtac | ccaaccagct  | 659760 |
| tttacctgta  | ccggaagctc  | ccgtaataag  | tatggacacc  | ccgtttttca | catagtcaca  | 659820 |

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| acttatggaa | gcgtgataac  | ggaagtgtgc | tttttttatc | agacgggcat | tccggctttg  | 659940 |
| attccggtta | tccagttcgg  | cctgtataag | cagttgcagg | ccgtccttca | aggagagcga  | 660000 |
| ctctgcctgt | cgctgtcctt  | gcacgttagc | ccagtaatgt | gccattccgg | gcactcttaag | 660060 |
| gtttcttaga | gcattgataa  | tttcatccat | cgttattggt | tttgagtgtt | agaagtctgt  | 660120 |
| catttgaact | gtgatttccc  | acggatatta | cagtgttgcg | gaggagcaaa | ggaagatgta  | 660180 |
| ggctgcccc  | caccggcaca  | cttgctttcc | accagtgcgc | gtataaagcg | gtaactgcat  | 660240 |
| ctgtctacgt | tcagggctgt  | ctcgcaggct | ttctggaaaa | cggccggatc | actgctcctt  | 660300 |
| tgcaggttta | gaagcccgtc  | gcaggtcctg | taatgagtct | ccggaggcat | tgtggaagaa  | 660360 |
| taaaaatgc  | ggcggattac  | atctccaagt | atgccggatg | cacgctcggc | acgctctatg  | 660420 |
| tatgattttg | cactcattcc  | tctgtattcc | cgggagttgc | ttgcaagatg | ctcctttaca  | 660480 |
| atagtatact | ttcccctggt  | gtaatcacgt | atgtgagtgg | ctacaagttc | accgtccaca  | 660540 |
| tatactttta | ccagtgtgcg  | tgtatatgca | acatgtgcag | ttttggatat | atactgatac  | 660600 |
| ggcactgtat | aatagtgtcg  | gtcacgtccg | agatagatac | agcagttggt | tgacaccttc  | 660660 |
| aaatcgggat | atgacacaat  | ctcaaaatcc | ctgtcaggca | gcggcataag | atttggcctg  | 660720 |
| tctacggcaa | ggaaccgttc  | ctcacgcgtg | taaggatgct | tctgcatgcg | tttctgggtg  | 660780 |
| tgcgctttca | ttttgagcga  | ggctgcccgg | ttaagctctt | ccagtgaatg | gaaggtttca  | 660840 |
| ttgcggagtt | cggcaaacac  | acgcatatag | acaagcctca | cggctccctc | cacgttgctt  | 660900 |
| ttatcttttg | ggtgtgcggg  | acgtgccggg | atgatgaccg | tgccataatg | attggccata  | 660960 |
| tcctccatta | cacggttaag  | cgaaggctca | tatctgtctg | tcttgacaac | ggcagcttta  | 661020 |
| aggttgtcag | ggacaagcat  | ctttggtacg | ccgccaagat | gtttcaggca | ctgtgttatg  | 661080 |
| gcataataca | agtcttccgt  | gcgttgtgaa | cgtacgaaga | ggatataacc | gtagtgcgtt  | 661140 |
| gcaggcagag | tggctacgaa  | agcctggcac | tggacgacct | caccggtttc | catatcaacg  | 661200 |
| tatcccatgg | tatcaccggc  | aaaatcgagg | aaaagctttt | caccgccagt | acgcatgtca  | 661260 |
| gcaagtatgg | tagatggcga  | ttcctttccg | gcctctgtgt | tctgttttga | atgaaaacgg  | 661320 |
| aactgtgtca | ggctgtagtg  | gttgtcagga | tgctcattac | ggtattcctc | caaagaagc   | 661380 |
| ttcagcgtga | catgcttgcg  | cttcatctcc | tcctgaagat | atggaagaag | ggttttgaat  | 661440 |
| gtttcaaagc | gtttgtcact  | atatgcagga | ttgccgccct | tgagacggtg | ctcaagaatg  | 661500 |
| ggatcgtcca | gcctgataag  | ttcatcaagg | ctcaggctgt | cagcgtgac  | cttgttcatg  | 661560 |
| tagttgttca | ctgtctcctt  | gttcatgccg | attatatcgg | cagccttgcg | gttggagact  | 661620 |
| ccattcttct | ttaatagaag  | aagttgtttg | atctggctca | tattcttact | ttttcctgcc  | 661680 |
| atagtcgtat | tgtatgaaga  | ttatatcttg | catacaagat | acgggaaaga | gtggaaagtg  | 661740 |
| aacggacatg | ccccgttttt  | tatgcaggca | tcgtcgtttc | tatgagaaag | tgaacggata  | 661800 |
| tgtccggttt | tccgaatgta  | aacaactgat | tattgtatta | ttacattccc | atcactgaac  | 661860 |
| ggatatactc | cgatttttgt  | atagtaaaac | ggatatttta | tcgtaatcac | aaaccactga  | 661920 |
| acggatatgc | tccgtttttt  | gagcgacttt | gggcattttt | tagcaaaaaa | gaacggatat  | 661980 |
| gctccggttt | ttatgccctt  | ttcaagccca | ttttagcaat | aattgtgggt | ggattatgcc  | 662040 |
| gttctaagtg | ggtgggtatg  | ctccgttttc | gccagctata | ttcaatgaag | attgataaga  | 662100 |
| ttgtcaaata | tcttaattct  | aacacaatta | tgggaaataa | tataaatctt | tgtgatagtg  | 662160 |
| ttgttgacat | aatatcattg  | atattatgga | tattactaat | gatgttatta | gtaacaatgt  | 662220 |
| gttctggcaa | caaattcatg  | catcgatttt | tacctattgg | atttgtagaa | agtaaagtga  | 662280 |
| aatatttcct | tatatctttt  | atcttggctt | ttgtgttgat | ttttttctta | cttcttgtat  | 662340 |
| gcacttttaa | tgaaggggag  | tttttctgga | tagtgaataa | gaatatctca | acagaatggg  | 662400 |
| aaacttgggg | aggtttttgcc | acttgcttgt | ctgcaatctt | tacgttgata | actgtctttt  | 662460 |
| atgcctatac | cgcattttacg | aattccaata | gggctttgaa | gtcacaacag | aaagctgccg  | 662520 |
| aaagggcctc | atttgatgcg  | acctttacac | agatgtttgc | acagcataat | atattgtatg  | 662580 |
| ccaaaaacag | atgtttgagg  | cacaagcatt | gtcattttgc | agagtttggt | gagttctttg  | 662640 |
| aacgaatgtc | tgtaaagcag  | gacataagta | tatccaaaat | ttggagtaaa | tataacgaag  | 662700 |

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| tacataagga  | gctgactttc  | atacgtggaa | aaatagaagc | tcaaaatggt | ataaatggaa  | 662820 |
| gttcttcctg  | ttgttctaac  | cgacaatatg | aagcgaatcc | gatgcctgct | ttcttggctg  | 662880 |
| attccataaa  | ggaatacgtg  | aggttaatag | aggggcagat | gaataatgac | gagttgttct  | 662940 |
| gctatttcat  | aaatcagttg  | gattattatg | aaaatcatcc | taatgaagag | aaggaactgc  | 663000 |
| agtggatatt  | tcaatactta  | atagatatgt | cattcttcaa | ggagatatgt | aaagatacat  | 663060 |
| acaagtatca  | taatatgggt  | agacgggctg | ttctgatatt | tatgataaat | ggcggtcac   | 663120 |
| atcaaaaaca  | tcttcccata  | aagttagagt | ggataaacta | atagcgagta | atccttctcg  | 663180 |
| ctgttagatt  | attctgcttc  | tatgagttca | agaaagcaat | gatttcatcg | ctgcaggttg  | 663240 |
| ctgcctgttt  | gaatccattc  | ggtaatacca | ttaggcatcc | attgtcgcta | tatagggcat  | 663300 |
| ctgtttgtga  | gttttccttt  | ttatatagtt | gacggataac | ttcattttaa | tccccacaat  | 663360 |
| tggtcatgcy  | acaaagaaat  | tgtcccaa   | tcttgcttaa | ccaatattct | ccatgcatta  | 663420 |
| tatcttcttt  | ggaaatcttc  | caaaagtcaa | taagcacgat | acgctttagg | tcgccatgca  | 663480 |
| agaaattcat  | tctttccagg  | aggttattac | aatacaaatc | tcaaagcta  | tatcctgcaa  | 663540 |
| ttaccagttt  | gtgatttctg  | atgatacagt | tggtcatatt | ggcatgataa | aagtcaaattg | 663600 |
| gaacgcagtt  | tagcttatcc  | gttttacgca | atcctgtaac | gattggagaa | gaataatatg  | 663660 |
| tttctcctga  | ttgggtacaa  | ggctggcttt | gtcctcgttc | catcaccaat | cctttaacta  | 663720 |
| tctcatagtc  | aggatattta  | tataagtc   | ttgatagata | attataaata | tcagtattcg  | 663780 |
| gatctttata  | tgactgaaag  | tagtaattta | tacatccatg | cagatgattt | atagtagata  | 663840 |
| agccattcgg  | attttcaa    | aacttcttgg | gattgaaccg | taggaatgca | tcttgaattt  | 663900 |
| catccagttc  | aaatccatcc  | tcataatttt | ctattgattt | ctcaattgta | gtgtcatagt  | 663960 |
| ttaatacaaa  | gaagtcactg  | ttttcgccaa | actgttgata | aaatctccaa | taccattcat  | 664020 |
| tcacctgttc  | tttcatgatg  | ttggaatcat | accattttac | aatatccatt | attctgagga  | 664080 |
| taaattggtc  | catgacagaa  | cgaagtgtat | taggatcaaa | gtctatattc | ggtttgggtga | 664140 |
| aaggagcaaa  | aaccggatat  | ctattcggat | tattacattt | tttgttccat | acccaactgt  | 664200 |
| aagcatctaa  | catctcta    | acgtgaaaca | aatgttcaaa | atgaatatag | ggggcagggtg | 664260 |
| ttccacttat  | atatggatta  | gaacactctg | atggataatt | ttccatgagc | cagttgtaga  | 664320 |
| tatcattttac | aatagttata  | gtatccctt  | gagtaagata | atttttgtaa | ggtctgcaaa  | 664380 |
| catcttctgt  | gatttttgtg  | gttgacaggt | taatcacatc | ttgtggtaaa | accaagtcta  | 664440 |
| gcggcggttc  | tgcgccctatc | aaaaatgttg | tacgattatt | ttccataatt | tgctatattt  | 664500 |
| actcattgaa  | acatttcagg  | aactatatct | tcaatttcaa | ttccatctat | aaccttgcc   | 664560 |
| gagagttttt  | tgccaaagtc  | gcgtacttta | tcacctgcat | acttatcaaa | gatataagta  | 664620 |
| cttttgtggg  | cgaaatcaaa  | gttttccaat | atcattttgt | taattccttc | gtctttacat  | 664680 |
| ccatatccta  | tgattatcag  | tttttctgca | tttcgcaggt | tttttctgaa | tttttgaag   | 664740 |
| agtttcttga  | aaagtaaagg  | attgttgtat | ctttctat   | tagaggttgt | gccggtcaga  | 664800 |
| aaatcggcgt  | ggttaagcaat | cgggcaactt | tcataacc   | ttttgcttcg | tattcctctt  | 664860 |
| aataagtcac  | ttacgccaat  | accttccctt | attttcacat | acttgatggg | tatcatgaaa  | 664920 |
| ttattctcaa  | cggctcttga  | ataaggcaca | tagtctaagc | tgccatgtaa | tttataaagc  | 664980 |
| cttataggag  | tgcatatct   | ggctgtgtat | ctttcta    | ggcaatgata | agtaacattg  | 665040 |
| tctctattca  | gtattccgta  | aaactcagag | ccatattcat | caaaaccgtc | ggaaatgcta  | 665100 |
| ccattgat    | attcagctt   | attaaaagat | tcaaaaaata | aatcatggtt | cagtgtatgc  | 665160 |
| acatcaatga  | tgtaatcttc  | tttcaagtga | cttaggtatt | tcagaaagcc | atcgtaatgc  | 665220 |
| tccacataac  | ctacatggaa  | tggctgggtt | tcgtaaaaag | aattaccatt | tttatctctc  | 665280 |
| agcaaatatc  | tcaccatctg  | attatagatg | tcggggaggc | tgaagacgaa | acttccatag  | 665340 |
| tctgtatatt  | cgtccaataa  | atcattacac | aatgtttcat | agcatgagtt | atatacttct  | 665400 |
| tcacttttta  | tgaagtcata  | aaactcttca | tagtcgaact | tatgtgtctc | tgcatacttt  | 665460 |
| tttattagac  | gcttacaaaa  | tacgaaatgt | ttctgatgct | gattaagaac | accttcatct  | 665520 |
| tgaaaaacag  | gtttttctcc  | agttgttgaa | cagcataata | caccacttgg | tgaaaaatct  | 665580 |

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| tgtggcgag   | aaaagcctgc  | tccaattaag  | atggagatgt  | gctttctacc  | tgtcataggc  | 665700 |
| ttttctggta  | tctcatagcc  | caaactcata  | tcttttttca  | ttactagtcc  | tttcttttta  | 665760 |
| atataaactt  | atttacctaa  | taatttatgt  | atctgaaata  | taatttatta  | ctaagtgtat  | 665820 |
| attttacttt  | agacattata  | tcgaataaga  | ttttagggtta | ttgataacca  | atagccctgt  | 665880 |
| ttcttattct  | gtataaactc  | ttttgataat  | aggctgttaa  | tactcaaaga  | atttacgata  | 665940 |
| taaaaaaatc  | cttagataaa  | tcataattta  | atgagtaatc  | ttgattcctt  | atgtattgat  | 666000 |
| ataattcagg  | atctctaact  | tttaatttat  | taatatctgg  | atctataaat  | aaatcattat  | 666060 |
| ctatacaaat  | tgcatcttta  | tttatttgta  | attccttctga | gactagctct  | aaaaatgaat  | 666120 |
| tcataaaaaat | ttcaaaagaa  | gatgatatta  | tatatataatc | ttctggctgc  | gatgcattat  | 666180 |
| aaaagcctat  | ataatggctc  | cctctttcat  | tcttatgatt  | gatataacca  | tagaattcat  | 666240 |
| ttccttctat  | gcatgcaaaa  | gccagaaac   | ggaatacaag  | agaattgtca  | caaagccata  | 666300 |
| aattgaggat  | ttcatcataa  | atactcttat  | cacctaattt  | tttgtttttt  | ataccaaaaa  | 666360 |
| agcaatagtc  | aagtatggat  | gccccattgg  | taaactttta  | aaaacctaca  | taaggagaat  | 666420 |
| ctatgtcacc  | agaaattctg  | ttaatatagt  | gtgatataaa  | atcttccccg  | aaatttctat  | 666480 |
| ataatgtaat  | agcgggggat  | aaagtttcta  | atcttcttctg | gtaatcggtc  | atcttatagg  | 666540 |
| ttttatgtat  | tcaattattc  | ttttatctat  | ttctattgca  | tttttgagaa  | cttgcgctct  | 666600 |
| acttggctga  | ggattatatt  | tagtaaaagt  | tttccaagca  | ggagctataa  | ccattttata  | 666660 |
| gatataacga  | ggtaataaat  | atctattaga  | acgcccagata | ttcatttctt  | ctggaaataa  | 666720 |
| tttattctct  | ccaataaaat  | tatcggaat   | tctataatgc  | atctccaaat  | tatttgatat  | 666780 |
| tatattgctt  | gacatgatgt  | taaagtttat  | atattaaaga  | accattgttg  | tttttattta  | 666840 |
| taaattcata  | taattcagag  | tctgttaagg  | aaagtttttt  | tatatctgga  | ttaaaaaacc  | 666900 |
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| gaaatttatt  | tataaaaaata | ttgaacgaag  | atgatataat  | ataaaacttca | tccaatttca  | 667020 |
| ttggatcata  | ataaccaata  | tagtgatttc  | cattttttgtc | tttgatcttt  | aaatatccaa  | 667080 |
| aaattagtc   | atctttttgta | cgtgcaactc  | cccaaaactg  | agaacaaagt  | ataaaattgt  | 667140 |
| cgtcatatag  | tgccctcata  | aaatcataaa  | catttttact  | aagtgcccta  | ttttttatac  | 667200 |
| ctaaaaaggt  | atatacctaaa | atataatgctc | cattttgtatt | tttttaaaat  | tctatgtatt  | 667260 |
| gattatcgat  | ttcttccaca  | atctttccac  | aatgatgtag  | tataagtttt  | ggaccgaact  | 667320 |
| ctttataaaag | tttaattctct | tgagttaacg  | tgataggtta  | ttctagatga  | tttaattatag | 667380 |
| ttttcataatc | aattttaattt | ataatgttaa  | tatatcttgc  | tgctatttta  | tccatctgca  | 667440 |
| tagcaaat    | tagaacttca  | gaacgagttg  | gattaggatt  | attccttcta  | aaattagccc  | 667500 |
| aatatccact  | tatcatccta  | tgatttttga  | cagataaggc  | ttgtaaattt  | gataatgatc  | 667560 |
| tacgcatact  | tggtggaaat  | aatttatatt  | ttccaatgta  | cattttgtgga | atacgggtgat | 667620 |
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| tagaataata  | actttctaaa  | cctcaatagt  | tcgttaaaaa  | ttagcccagc  | ctaagcggct  | 667740 |
| ctggcagtaa  | ataaaatgag  | ttcctttgaa  | agtttgtcaa  | tttaattgcgt | gttttggttca | 667800 |
| atcccagaca  | cgcaaataaa  | tcgttcaagc  | atgtaagcat  | tgtgtatgac  | tgacttgcac  | 667860 |
| gatgatatgg  | aatattttat  | tcccatcttc  | ttacaggcag  | ccttggcgag  | gtttatcgct  | 667920 |
| gcaagtgatg  | cattaaagtg  | gaatgccagt  | ttcctgaagt  | ctgtagactg  | acagtttgct  | 667980 |
| attccggcat  | gttgcttggc  | atcccgaag   | cagaattcga  | gttggaacg   | tggtctgtaa  | 668040 |
| aagtcaggga  | catcctgtgc  | gttctgtatt  | tcgtttgtag  | agaaatacag  | ctgccatttg  | 668100 |
| tccgttcttc  | catccatggg  | gtaccataca  | gccaggctca  | caaagcggtt  | gagtgccttg  | 668160 |
| gagtatgctt  | tcagtccgta  | aagtttacc   | ttgttcaact  | tgtactcggt  | acatcttgtg  | 668220 |
| atgtccagat  | tttcaaagtc  | aattttctcg  | tcatgtaatt  | ttggacgtcc  | gcgttttctt  | 668280 |
| gtcctatttt  | ctaaggtggg  | ataaaacaat  | acggcatcat  | tcctgaaacg  | gcttattacg  | 668340 |
| tggaaaccgt  | tatcgtacaa  | tggtttgatg  | aaagttgcct  | ttgaaaagaa  | cgcatcacac  | 668400 |
| acgactgtgc  | cagaaatacg  | tttcagctgt  | tcctgtatgc  | tgataaggta  | agagctgtac  | 668460 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cagtcaacaa  | gattcttctc  | acagctttcc  | agcgttgctg  | tgtcaggtgt  | ctgtacagag  | 668520 |
| cccaaagtca  | tacattcatg  | gttgtcaacg  | tctataactc  | caataccggt  | tatttccagt  | 668580 |
| ccacgtttgt  | attcaccggc  | acaaccggac  | cagaaatagc  | caatccacgg  | cgttttgctg  | 668640 |
| cctgattttg  | gaatgaaaga  | cggatcaacg  | gctatcgctt  | tgcgaccacc  | tttaagggtg  | 668700 |
| tccctgatga  | tggttcatt   | gaaggaaaac  | cagtcaaagc  | cgtcgttctc  | aaaattggtg  | 668760 |
| cggtatgtct  | gttccgagaa  | acatccatac  | cgtdccattt  | gtaggaaatt  | gatgcggtca  | 668820 |
| ggtatagcca  | tgaataattt  | cattgcatcc  | atgaatactt  | tctgaaaaga  | tttgcttata  | 668880 |
| tttacagctg  | attcgagagc  | gtttctgcac  | tcggattggg  | attgcataag  | gagtgattct  | 668940 |
| ttagtcataa  | ttaaaagtgg  | tgaagtactt  | ctaatttact  | aaaaatcagt  | gaattatgaa  | 669000 |
| atactttttc  | tggtgatttt  | cagctgttta  | gcatactctt  | ttcatccctt  | ttcttactcc  | 669060 |
| ttgacgattt  | attccttgaca | gtatttcaat  | gatctcttga  | atataatttt  | gaaccggatt  | 669120 |
| atgccgattc  | tatgtttaat  | tttaatttat  | cggtaaaaat  | ttaccgaagt  | attgaaacct  | 669180 |
| aagatatcaa  | tccatatatt  | tgtatcataa  | acatacgcat  | aaatattagt  | tataacctcca | 669240 |
| tttagtctta  | ttggatcttg  | tgaaatatac  | atctccattt  | gcggcgagta  | gtacctgaac  | 669300 |
| cgattgtatg  | ccagctcagt  | ctcccgggtca | tagtactgcc  | cctggaatag  | gaacgggtatc | 669360 |
| attcctacgt  | ttccagctctc | ctcaatgacc  | tctccgttca  | tgtccagcgt  | cctgctccac  | 669420 |
| acctctttgc  | cttccgcgtc  | gtatgcttcg  | gtaggcgtac  | ccagatgggtc | tgtcagtatg  | 669480 |
| gaataggcct  | ttccttcctt  | tatcatggcc  | gcaggtgcga  | aggattcctc  | ctcgaatagc  | 669540 |
| caaagcgtgc  | ggtctttgcg  | ttcttcctca  | ctctgccacg  | catcttggtc  | ccttgaatag  | 669600 |
| tttctctttt  | gcttccactg  | gtgcagtggc  | acgtttccgt  | tccacatcca  | gcgtgtcacg  | 669660 |
| gtcgttccga  | agctcttgga  | gagtcctctt  | cccagcgcgt  | cgtattcgaa  | tgtcacttcc  | 669720 |
| tctccgtcgg  | gccgtaccac  | ctttgccagc  | gatccgtcag  | cgttccatct  | atatttccag  | 669780 |
| tgttccttct  | ttccgtccag  | ccatcttccc  | gtaccgatgt  | atcgtttctgt | caggttccca  | 669840 |
| tccttgatcat | actcgcatg   | ccactttccg  | tcctgttcca  | tgggtccgcc  | cttcaggaag  | 669900 |
| cggcgtaccg  | tgcagtcggg  | atcgggggtac | agatttccca  | ggctgtcact  | ctttctccac  | 669960 |
| tgttccgttc  | cgtctccgta  | ctcggcatat  | tccagctgtc  | cgttcggggg  | gtaccctgtac | 670020 |
| tgggtcgttc  | cccgtctgct  | gtcttcgggt  | gcgagcagcc  | ggtcagcctt  | gctccagcgg  | 670080 |
| tatcggcgca  | tgtggcgtgt  | ctgcgcgtcc  | tttctcgtgc  | gtgcgtccac  | gaggcggcca  | 670140 |
| atgttatcgt  | aagcgaact   | tcgcactacg  | cctccgggca  | gcatacgttc  | tacctgaat   | 670200 |
| cccagcgtgt  | cgtagctgtg  | ctgcgacttc  | caaggcattt  | caccgtttcc  | actgctgtct  | 670260 |
| ccggctctga  | actccatcag  | ttctccgaac  | tcgtttctta  | tatattctag  | attcgccccg  | 670320 |
| agtgtgctct  | gcagggacag  | tatctgtccg  | gtcttgctgt  | agggtcgtgt  | gatggtctca  | 670380 |
| ccgttcgcag  | tttccgttac  | tggcagtccc  | agtgcgttgt  | aggcgaactc  | cactcggctt  | 670440 |
| tcaccccggtg | ttgttccac   | gagccttccc  | gatattccat  | attggtaggt  | ctggtcgggt  | 670500 |
| tcacccgtcg  | tcacatacga  | cacccttgct  | acccttgatg  | cgttggtcata | ttcgtattcc  | 670560 |
| cgcacgattc  | cgctcggcag  | cctttcgtg   | gttacacgtc  | cggccatgtc  | acgtcgggat  | 670620 |
| atcctcgttc  | cccgggtcaaa | ccctgtttcc  | cggattacgt  | tgcctacgtc  | gtcaagggtcg | 670680 |
| aactcatagt  | attgcatccg  | ctcgtttatc  | acgtggcgta  | gccgttcttc  | cctgtcataa  | 670740 |
| tggaaacctta | cgacacctcg  | gctgtctttg  | cgggtgtgtca | gcttccacat  | acctgagtaa  | 670800 |
| gtgtattcca  | ctttctgcag  | gtcgtcccgg  | tattccagca  | agttgtctat  | tccgtcatat  | 670860 |
| ctcaggtgta  | tgtggttgcc  | gtcgaagtcc  | tccacttccg  | tcacgcgtcc  | tatggcatca  | 670920 |
| tagtgccttg  | tctgtacggc  | tcccttcgga  | tttgtcacct  | ttgtgcagcg  | tcctagtcgg  | 670980 |
| tcatagcggt  | agcttgaggt  | gttgccgcgg  | ctgtctgagg  | cttctgtcag  | gttgccgtcc  | 671040 |
| ttgtcgtaac  | tcaatacggg  | ttttacacca  | tacgggtcag  | tgatactttc  | gaccagtcct  | 671100 |
| tcgctgtatt  | ctatctgcgt  | ttcagcccct  | ttcggattgg  | ttcttttggg  | cacatttccc  | 671160 |
| tttgtgtcgt  | aatcgaactt  | ccatgttccg  | ccgtcagccg  | tggtcacgct  | cagcgggtctg | 671220 |
| ttgcgcaatg  | ctcccttgcg  | gaagaacgcg  | gccgatatgc  | tgccgcctcc  | cggatccgaa  | 671280 |
| ctgtcgggtac | agtttcccca  | gcggctgcat  | ttgtacaggc  | tgctgttgcc  | tgccgggtcg  | 671340 |

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|            |            |            |             |             |             |        |
|------------|------------|------------|-------------|-------------|-------------|--------|
| gtttcctgca | gcagcttgcg | gtccgagtc  | tatttccatc  | gggtgttcgcc | tccgttggcg  | 671400 |
| tccaccttca | ggtacaccag | tccgttcttg | tggtgatata  | ccgtcggctt  | gtcatggctg  | 671460 |
| tcgagcacgc | tggtcatttc | gtccatgaac | tgtagcttgt  | ggtcgtatat  | gcctccgtct  | 671520 |
| ccccatgtat | gtatgcatcg | ggatccgatt | tcgctgccgt  | catattcgaa  | gaaccagttc  | 671580 |
| agtccgtttc | tccatgtttc | ctttacgatc | agcctttctt  | ggatttcgta  | ccgcatggca  | 671640 |
| tcacccacag | cattacgctg | gcatgtcatg | tttccctccg  | catcatattc  | gtaggatgcg  | 671700 |
| agtattgttt | cttctccctt | gctctcggga | tgagggcctt  | ttatttccag  | aatgtgtccg  | 671760 |
| ttacgctcgt | cgcattctac | ggtaagcttt | cttcccgcac  | tgtcggtaat  | ctccttcagg  | 671820 |
| tatcccttgt | tgttgtaacc | gaaccgtatg | gcgaatccgt  | tcgcatccga  | tacgctttcc  | 671880 |
| agcagatgta | cggagtcgta | ttccttctgt | gtgaagcggg  | agtatagggt  | ttcgtccatg  | 671940 |
| tcccagatgc | agtatccgtc | cttttctttt | cgtgcttctt  | tgctgttctg  | acggatgaac  | 672000 |
| gagggcttct | tctcagtagg | tagcgggaag | gctacgggta  | ttccgtcggg  | cattcgttaag | 672060 |
| gtgaggatac | cgtcttccac | tacgataccc | atgtcgtatg  | catgatgcca  | tccattaccc  | 672120 |
| agcggccctt | ggtaatcgct | ccggctgtac | caggtacgtt  | cccaggagag  | agggaccgga  | 672180 |
| ccgtctatcc | agaaatcttc | ctcgtctgtg | aagaatgtgc  | cgcttgccac  | gtccaccggg  | 672240 |
| tgtccggtta | cggtagacat | ggcttctgtc | agcatatcct  | tcagcttgtc  | gctttttatc  | 672300 |
| tttttgttta | cggctccatg | cagtttgtct | gccagcttct  | cggttttttt  | cttgtacagt  | 672360 |
| cttccgaaag | ccccatgca  | cttgcgtgag | agagcagcca  | tcgggttaag  | cggcacgggc  | 672420 |
| acggggctgg | tcagaatctg | tctggccgga | ggaatcgggt  | tgattacccc  | agtcggcagg  | 672480 |
| aacagtcccc | gcactttgtg | tacgctcgac | atgccaggt   | cgttgcagtc  | cagatgcatg  | 672540 |
| tgtgttcctc | ctcccacag  | cggaaagtcc | tcggcaagta  | cggtcagact  | tcccatgaag  | 672600 |
| gcatgtccgt | tgtttttggg | tatgggcac  | gagtttgccg  | caaatccggc  | tcccatcggt  | 672660 |
| acatgcggta | tgctgcgtgt | gggggtggaa | gccacggcac  | gtggaatgaa  | tccgccgatt  | 672720 |
| tttacggtgg | cacccatcat | acctacggcc | atggctcagt  | ccgtgtggcc  | tatctctgcg  | 672780 |
| agcttggccg | agtctgcatc | cccggtttct | tccgctgtgg  | gcggaggggg  | atatacagg   | 672840 |
| ctaccgccgc | cgtcatgaag | tcctgcggac | agagcagtgt  | ccctacatat  | gggtgaggca  | 672900 |
| tcggcacgct | tgtggccggt | ggtagtttca | ccagggtgaat | atccactccg  | attacagggg  | 672960 |
| cgaagtgttt | ggagatgggc | aggcacgcct | gtcctttcat  | ccccagtgtc  | ccgagcacgg  | 673020 |
| ggagtacggc | tgctctgctc | acgttgtctg | ccagactgcc  | caaggctgtg  | gctgccttca  | 673080 |
| gtccggtgtc | aagcgcgttg | acggacgggg | atacaccgcg  | ctccgcattg  | gcggaagctc  | 673140 |
| ccgaaaccac | acccgacatc | tgtactccta | cggtaggttc  | aagctgtgcg  | cttacctggt  | 673200 |
| cgaaataccc | tgttcctgat | gacatagttt | atagttgttt  | ttagagtggg  | ttcaagtttt  | 673260 |
| gaaaaacaga | taggccgaca | atagtatggc | cagcactacg  | atgactccga  | gccagaaacg  | 673320 |
| gaatccgttt | ggcccagca  | ggtaagcca  | gaagtttctt  | ccccagcttc  | cggggcgggc  | 673380 |
| ataggtccat | ttccagtcca | gtatcagtc  | tgtcagccat  | accagcagaa  | tcaggatgac  | 673440 |
| tacaaggtag | cccgatttgg | ggttttcctt | gatgtaccct  | gggccttcac  | tgaacatttg  | 673500 |
| ctgaagggcc | gtccatattt | tgttgatcca | ttccatgata  | ttttcctaga  | tttcgtttgt  | 673560 |
| attcatacag | aaagtcctcc | cagtctttgc | ctataacacg  | gctcagcacg  | gagttaattt  | 673620 |
| cctcattgct | gactgacggc | tggcgtttcc | ggctttccag  | cagcttgagc  | agtagcaaa   | 673680 |
| ggtaagacga | atgctttatc | aggtctgacg | acagtttgtc  | tgccagatgg  | aatccctcaa  | 673740 |
| tgtagcactc | cgttgccctt | tccgtatcgt | atgctttctc  | ccagcaccat  | ccgcacatcc  | 673800 |
| tcagcgtttc | ggcttgcatg | aggtaatcct | tgcagtttgc  | gtaggcgtct  | gctcccatcc  | 673860 |
| ggtaggtttc | tgccgcatcg | ttccagtccg | attttcgcac  | ctgtatggat  | gctttcccta  | 673920 |
| caagcgagct | gccgagaaga | tgccccgaaa | gagacgggtc  | tagttttcct  | tctcccatcc  | 673980 |
| ttgccgcttc | taccgcttta | ttggcaaaat | acagagccat  | gtccagatcc  | ttatgattaa  | 674040 |
| tgcggtctgt | atataggatg | gtatataccg | ttacgaactg  | gcttagccag  | tttatgtctt  | 674100 |
| tttttacatt | ggcaagtgcc | atctcgaggc | atttgcgtgc  | gtataggctt  | gtttgggcag  | 674160 |
| cgtctccttt | ctttacgctg | ctcatgagtc | tggtcagtcg  | cagctctgaat | tctgagggcg  | 674220 |

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|            |            |             |            |            |             |        |
|------------|------------|-------------|------------|------------|-------------|--------|
| cagggtcgct | ccggtcttcg | ttggctgcct  | gttctgccag | tttttcgggt | gccccgtcca  | 674280 |
| tatctatcgg | gggatagatg | gaagccgttt  | ccttcggata | ggtcgccatg | agttttccga  | 674340 |
| attgttcctg | gccggtgata | tctccggttc  | cccataccat | ctgtttgtca | aatgggtggg  | 674400 |
| agagtgcctg | attgagccat | tgccggcatc  | cttcatagtc | cgcagtgctt | tccagatcga  | 674460 |
| aaatgaagct | gcatttcatg | tcggtaccgt  | tgacaagtcc | acgggtcagc | cggttgagat  | 674520 |
| tttccactac | tgcttgggct | gcatttcggc  | tatttatgga | gctgtcggtt | gcctgccatt  | 674580 |
| ccactttttc | aaaaatgatg | ccttcaggct  | tcttggagtt | gttccagtac | tcaatttggt  | 674640 |
| tgctgatata | ttgcagtaca | tctttgctga  | actccattgc | ggatgtaaat | gggagagcga  | 674700 |
| tgatgaagac | catatcttct | tcttcgctgt  | cgatggccag | catgtagtca | tagaaaagcct | 674760 |
| tgagcatggg | ttcgtcaccg | ggattgatga  | caatgcgtat | catctttacc | ggttgtgcc   | 674820 |
| cggcattctc | ccaaaggtag | agcatattgt  | ccgctatttg | ttgtatggca | ttgctcatag  | 674880 |
| gtcagttcag | ttttacgatt | gtacctgcta  | tgccggttgt | tccgctggag | tccacggttg  | 674940 |
| cctgcgtggg | acccgaaagg | gttgcgtgtt  | tgcttccctg | agcggtcacg | tcaattcctt  | 675000 |
| ttatgttata | tgcttcttcg | gcactgctgt  | ttattgtttt | tgcaagtctg | gtgatttcgt  | 675060 |
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| gttcaatgct | ggttttgcct | acgcacagca  | tgatggattt | ggatgcggaa | atcttgatat  | 675180 |
| ttcctttttc | gtcggcggca | tagctgttgc  | cggcctgata | cgtcatgggt | atgctgcctt  | 675240 |
| cgtcatcatc | tatggtgagg | gtacatccgc  | tccgggttgt | caggcgcttt | ttcttgttgc  | 675300 |
| cgtgtcacc  | gcctgtgcct | gtcttccggt  | tgaacaggct | gccattacg  | aacggacgtt  | 675360 |
| tcgggtcgtc | ataccggaag | ccaaccagta  | cgatgtcgtc | cttttccggg | atgaagacaa  | 675420 |
| aacctctgtt | cgttgatact | ttattgctta  | ttccggcatc | aggtgtcatg | acgcgtatcc  | 675480 |
| atgaggttgt | catgccatcg | ccctgccagt  | tcatctttac | ctgtacgcgt | ccctgtttct  | 675540 |
| tggggtcatc | gttgcttacc | actaccgcct  | gctgcgtctg | tgccacgggt | agaggtactt  | 675600 |
| ccggggcagg | aagacttggt | gtctgcgaat  | agagtgcggt | aaagtgtgtg | ttgtagcttt  | 675660 |
| ctccggttcc | ggctatatgg | gtaatttctg  | tgatgaaata | ttcacctaaa | gtcttttcaa  | 675720 |
| taaaatcaaa | ttggaagttt | tggattgcgg  | tttgtatttc | cactacgctg | ccgagtgtta  | 675780 |
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| tcttttgga  | atggttttct | gcctggctgt  | cgttggcaac | cctgatttcc | gtatgttgga  | 675900 |
| atgctttcga | tttgaagagt | ttgacagaag  | cgtcaaaagc | tgtttgtccc | agcatgttca  | 675960 |
| tgccggtagg | aacattggaa | gcggcacctt  | tgctgaattt | gccgttggcg | gagtcgtatg  | 676020 |
| agtttccctc | taccgggcgg | gcaagcgtct  | ggattccgat | gttcaggctg | gatatttcgc  | 676080 |
| gtccgtagct | cagtggatag | gctgatggca  | gtttgtcagg | cttgccgaat | acaagtgtgt  | 676140 |
| tcccgtcata | gtacagccat | tcgtgatatt  | gtctggccag | cctgcggata | aagtcgaagt  | 676200 |
| cgttttccat | atactggcat | tcgtattcta  | tgctcagctg | atattccggc | ttgatggcac  | 676260 |
| aaggcacacc | ggccctgtcg | catatttcct  | ttactatgct | gaatagcgtg | gtattggtcc  | 676320 |
| acgaagcaca | gtttagttct | gtttcaagga  | ggaaggctca | tgaatacccc | tggaataagca | 676380 |
| gatagccgtg | attgcctttc | gagcgggtgca | gtcccacatg | tgctactatc | cctttgaagc  | 676440 |
| tgttgccgcc | caaaaggatt | tccgcttgct  | tgccatcca  | gttcatgctg | ttgtcaagcg  | 676500 |
| tatgagtctt | gtagaattca | ccggactcta  | tatccatgtg | aacttcaaaa | taatgatggt  | 676560 |
| cattgatgca | ctgtttcaac | acaacctgaa  | aaaaggaagg | aagaggaaca | tcatcaatat  | 676620 |
| tgacggttgt | catcttctgc | tcaagcataa  | cggcaatgat | tttttaggtg | aataaataaa  | 676680 |
| attgccgctt | gacggattga | gcccttcaag  | cggcaatatc | ttacattccg | cttaggggcg  | 676740 |
| ttgccccgga | gcgttttagt | tttcggccat  | ctgttgtcaa | gcgcagcggt | gcccacattg  | 676800 |
| ataagctcag | cggagaatgt | gagtgcgatg  | gtcatcggca | cgtcgttgtt | cacgtcaaga  | 676860 |
| gtttccttgt | agtgtacgat | gtaggcggtc  | ttgaactcga | tttccttcat | cttagcatcc  | 676920 |
| tcttcaatct | tcttgtacac | gatttttcct  | tccacctgct | tgaactggct | gttcagcatg  | 676980 |
| gcttcgatgg | tcgcagtgtc | gtcagttgat  | tcgataacta | ccgaaacacg | tcctccctgg  | 677040 |
| atgtttgagg | atggttttcc | cttcgcgtct  | gttgtacgac | tgaattcata | ctcagagtgc  | 677100 |

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|             |             |            |             |            |             |        |
|-------------|-------------|------------|-------------|------------|-------------|--------|
| agtacgtcat  | actcttttcc  | tgcaaattcc | aatgtagctc  | taaatgatgc | cataattgat  | 677160 |
| agaattttaa  | agtttaacaa  | taaatttgaa | tgactccgtt  | tcccttttct | gaatcctgcc  | 677220 |
| ggcttccgtc  | agaaaacaaa  | aaaagagaaa | acttcaaaaa  | cgatcttttg | aaatttcctc  | 677280 |
| cggttcttcc  | agacgatttc  | tgttttat   | gtggaaaaag  | aagaagaaaa | ataaaacatc  | 677340 |
| atctttgtca  | atcgcaatta  | tagggaaata | aaatcatata  | tccaaatatt | tctccaactt  | 677400 |
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| tcattgaaat  | actgtcaaga  | ataaatcgtc | aaggagtaag  | aaaagggatg | aaaaagatat  | 677580 |
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| gagtgcagaa  | acgctctcga  | atcagctgta | aatataagca  | aatcttttca | gaaagtattc  | 677760 |
| atggatgcaa  | tgaaattatt  | catggctata | cctgaccgca  | tcaatttcct | acaaatggga  | 677820 |
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| gacgttgaca  | accatgaatg  | tatgactttg | ggctctgtac  | agacacctga | caacgcaacg  | 678120 |
| ctggaaagct  | gtgagaagaa  | tcttgttgac | tggtacagct  | cttaccttat | cagcatacag  | 678180 |
| gaacagctga  | aacgtatttc  | tggcacagtc | gtgtgtgatg  | cgttcttttc | aaaggcaact  | 678240 |
| ttcatcaaac  | cattgtacga  | taacggtttc | cacgtaataa  | gccgtttcag | gaatgatgcc  | 678300 |
| gtattgtttt  | atcccacctt  | agaaaatagg | acagggaaaac | gcggacgtcc | aaaattacat  | 678360 |
| gacgagaaaa  | ttgactttga  | aatctggac  | atcacaagat  | gtaccgagta | caaagtgaac  | 678420 |
| aagggtaaac  | tttacggact  | gaaagcatac | tccaaagcac  | tcaaacgctt | tgtgagcctg  | 678480 |
| gctgtatgg   | accccatgga  | tggaagaacg | gacaaatggc  | agctgtattt | ctctacaaac  | 678540 |
| gaaatacaga  | acgcacagga  | tgtcctggac | ttttacagaa  | cacgtttcca | actcgaattc  | 678600 |
| tgctttcggg  | atgccaagca  | acatgccgga | atagcaaact  | gtcagtctac | agacttcagg  | 678660 |
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| aagaagatgg  | gaataaaaata | ttccatatca | tcatgcaagt  | cagtcataca | caatgcttac  | 678780 |
| atgcttgaac  | gatttatttg  | cgtgtctggg | attgaaccac  | acacgcaatt | aattgacaaa  | 678840 |
| cttttcaaa   | aactcatttt  | atttactgcc | agagccgctt  | aggctgggct | aatttttaac  | 678900 |
| gaactattga  | ttatatggat  | ttatcttggt | gtagtattat  | gttttgctct | ttttctttga  | 678960 |
| acattattgt  | ttctttggca  | aaactataac | ggataatttg  | tagttcagat | aaaaaacaat  | 679020 |
| agatttgcaa  | atgtcacaa   | ctgaaatttt | ggaaatatat  | gaaagagaac | aatacattcg  | 679080 |
| tggtctctat  | tacggagtct  | tttactttca | atcatgccgc  | aatatgttct | gttgctatgg  | 679140 |
| tgaaagtgat  | taattctgta  | atagtgcagg | agttcaattc  | gcttatcaga | ccagttgccg  | 679200 |
| gtaaaggaaa  | catgctggac  | acgtttctct | ccgtattttg  | tggtagtaag | tatgccaatg  | 679260 |
| caccgaagt   | cccgggaagt  | ttacgtttga | tggaatatatt | tacagataat | tgtaagggtg  | 679320 |
| tggtttacga  | tgagaaagta  | attgtacgg  | tgcgtaaaaa  | ctgtagattc | tttggcgctg  | 679380 |
| agagcacctc  | tttttttact  | aatgagtttt | tttgtatttc  | ccgtatgccg | ggagaggagt  | 679440 |
| tgagggaatc  | atgtgagtgc  | tacaagatta | agctgaaagt  | tgattgttct | ttgcttgata  | 679500 |
| aggcacgtgc  | ctgtgccgga  | ttgtatatga | aagtcgggca  | ggctcatagg | ctgtcttcaa  | 679560 |
| atgaattgtg  | cgatgcttgg  | gaactttttt | caatgggtaa  | ggaggatttg | tataatttgc  | 679620 |
| ttccggatca  | tgagattaca  | aacaggaata | caatatttta  | taataagcat | attttttatct | 679680 |
| ccggtatttt  | ttcccgatata | ccggatatca | atgtcttgct  | ttccaaactg | cataagttcg  | 679740 |
| gagccattaa  | cttgttttca  | ttttcttata | cagccgatata | ggttgttctc | ggaaaagggg  | 679800 |
| ctgaccgctc  | ggtttgggaa  | aaattaagac | aagataataa  | tattcaaata | cttacggaaa  | 679860 |
| ttgcattata  | tgatattctg  | gatgatattg | aaggacgata  | gaattatgct | ttcggtagtt  | 679920 |
| ggatttccc   | ttctatttta  | gcagacagtt | cttttgagtc  | tgcttgccag | tcctcgccat  | 679980 |



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|             |             |             |             |             |            |        |
|-------------|-------------|-------------|-------------|-------------|------------|--------|
| aaaggttttc  | catccgtctt  | gctatttctt  | cacgtttctt  | tccatccaga  | gaatatattt | 680040 |
| tatcaatgta  | ggtgcttgca  | atgaaagaaa  | ggtttacggt  | tttcagttca  | ttgtcatcaa | 680100 |
| gtgcataatc  | gtattcaaag  | gcttctgtaa  | ggattgggtc  | ataaaaaagc  | ctgtcttttt | 680160 |
| taagtgcggc  | aagcagtgca  | tagccatatt  | ggttgactgc  | tatggatttc  | aattcctctt | 680220 |
| tcttggcaat  | ttcagctcct  | ttaaggaagc  | attttacagc  | ttgtttggta  | tctcttgaaa | 680280 |
| gattgaatgc  | gataccctta  | tagtcatata  | gctgtatcag  | aatctgggtg  | cattccttgg | 680340 |
| tttcttcttt  | agccgtttgt  | acaatgctga  | ttcctctatc  | cagtatttta  | tgagtaaagg | 680400 |
| cagattcggt  | tttgaaactc  | agcatgaatc  | ctccataaat  | cagataggct  | gaagcccaca | 680460 |
| ttaccgttcc  | tccaatttca  | cggcatatat  | ccacaagctc  | ttctcccaaa  | tttttcaact | 680520 |
| cctgcttttt  | gcctgcattt  | gcagcttctc  | ccagttcaaa  | taggcatttt  | ctatatctca | 680580 |
| cttgtggatc  | atgagggtct  | ccttgtgtgg  | ctatttcctt  | gtaggctcct  | gacatatctt | 680640 |
| ggttgggtat  | tttaatcagg  | cacgcctttt  | ccttaagctt  | ctctagcagt  | ggtttgtata | 680700 |
| tttctcggcc  | gttatagtct  | gttaatatca  | gactggactg  | ggttggaaga  | atctccgcca | 680760 |
| gttcctttat  | gcacttgttt  | agtgattcca  | catctgctat  | tttgtaaaca  | atgactgtta | 680820 |
| taccagtat   | attatccgtg  | atcccggcaa  | aggttttgaa  | actggttacc  | agacggacat | 680880 |
| aaaatgattt  | catttcgtca  | atatcgatcat | agttcagttc  | ttttgcttcc  | tgtttcagtt | 680940 |
| gttcgaagtc  | cgtccatttc  | cattccgggt  | attttttcat  | atcagtctca  | aaggacgtaa | 681000 |
| tccattcagt  | tatcagaaaa  | gcatataatg  | cctttggcga  | ttcataatcc  | gtcatgaatg | 681060 |
| caagaataat  | gtcactgctt  | tttccgtaag  | cagatccttc  | cagacggata  | aatccttcca | 681120 |
| ctagtgggta  | gtcttcctga  | ttacaagtta  | ggcaatatac  | ctttgcatct  | ggacattcct | 681180 |
| gcctttttctc | catccaaaga  | ttctgtatat  | agcctactct  | gatagctatc  | ggattatgtt | 681240 |
| cgttatttat  | catatcggat  | tatatttcta  | ttgttttagc  | aaactttgta  | ctcgttattg | 681300 |
| tatattcttt  | gttcaaagat  | aaagtcatgt  | cagtaaataca | tgagcccggga | tattggcgaa | 681360 |
| tattttctgt  | ggtttccgga  | aagcctgtaa  | tgatttcgtg  | tagtgttctt  | gatacatacg | 681420 |
| attccttgaa  | gaataccaga  | tcgttggttg  | gcttggtgat  | gtctgactgc  | aaagttttgt | 681480 |
| tggcatagga  | caggatatct  | cggctctctgc | tgttatcatg  | ctttccaatc  | cgtcctgaag | 681540 |
| cagcgagttg  | aaacgcagtt  | tgaatgggtg  | acgggtaatc  | ttcgcattct  | tcagatagaa | 681600 |
| tcggatattc  | accattttgt  | agatgtatct  | catgagtaca  | ataatcttca  | tgattgtact | 681660 |
| cttacagctg  | acagacttgt  | cgataaatac  | ggtcagtggc  | ttgatataatc | ttatttccac | 681720 |
| ttctttaagt  | gggcctaagt  | ttttgatgat  | tatggattct  | ttcattattt  | gaagtcgttt | 681780 |
| tcttatagac  | aaagatacgg  | ataattaatg  | gattacgggt  | gtgtggggac  | tgatttttca | 681840 |
| atattttaatt | tgtttgcctc  | tgtctcaaac  | ggtttttagtg | tttgtttgac  | tacatgtgcc | 681900 |
| aacgtacatt  | agaacagtta  | atagcctgtt  | ttcttggttg  | ttttcaggta  | aaaggctatc | 681960 |
| tttghtaacca | aaatacattg  | attatgtgca  | aattctctga  | atctactaaa  | cagaaacttg | 682020 |
| gtaatgcgat  | tatatatatt  | gcgcgtcata  | catccagtct  | cagcaagaca  | aagctgctga | 682080 |
| aacttttgta  | tctgatggag  | gaacgatggt  | cattgaaata  | tcatgtccct  | ttcattggta | 682140 |
| ttccgtttga  | ggtatggcag  | gcaggccctg  | tagcgaagga  | tgtctttgtt  | gacctttcgg | 682200 |
| acggcccgtg  | tcttctgaag  | tcttttgtaa  | agacagattt  | caaggatggc  | ggtaccttca | 682260 |
| ttgaggcggg  | agccgatttt  | gatgatagcg  | aattctcaga  | atgtgagata  | gagatgatgg | 682320 |
| acgagatact  | ggcaaaaatat | ggcaatatga  | ctgcatccga  | cttggttgca  | gagacacaca | 682380 |
| aggagggtac  | gctttggtat  | cgggtggctg  | ctcgcacggg  | attgctggaa  | gcattcaata | 682440 |
| agcatgaatg  | caacaactcc  | gaccggcaga  | tcgactttgc  | tgaagcaatg  | actgattgtg | 682500 |
| cggcagagga  | ttatcgcgat  | agtttgaata  | tacggcagac  | agctaacctc  | ttaaatgcgg | 682560 |
| aatcccatgt  | ttgaagaagg  | taatttgttg  | tttttccgtc  | cttttttggt  | caagaacgga | 682620 |
| gctgagccgc  | agaacaagtt  | tttccttgtg  | cttaaaaaaa  | tggaaagtga  | tattttgctt | 682680 |
| gccagtttgc  | ctacatctaa  | agaccatgtt  | ccatcagatt  | tggagggttaa | gtatggatgc | 682740 |
| ttgaacattc  | cggagaggat  | gctgaatatt  | tttgtgttta  | tggctgggtga | aaatgtggct | 682800 |
| gttaaggatg  | acggtacacc  | ttttgctttt  | gatgagaata  | cttttattta  | tggctctgat | 682860 |

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| agcaaaatgg  | tgaagaataa | attcagaagg | atactgcaag  | gtagacgta   | tacttatgta | 683040 |
| aatctctatg  | attgatttaa | atactattgt | ggccaaagag  | ggatttggtg  | agggaggcaa | 683100 |
| ttggaaagta  | tatagatgcc | tgttgcagga | ctgttcatct  | gtgattgtca  | aggagtctaa | 683160 |
| aggttttgtt  | gatatggcca | taaaaggcag | tataaagaaa  | tatcagctta  | tcaaggcttt | 683220 |
| agttattcct  | accacatcgt | ttctggaagt | atcttctctg  | gatggcaagt  | ctgtactggt | 683280 |
| tactgaggat  | ttgaatagt  | ataacctatg | tttcgtatct  | cctaatagtg  | ttaagactga | 683340 |
| gaaagacgaa  | ctcttggcct | gcttgaggga | gaattttatt  | ccttgtttat  | cttctgaaag | 683400 |
| gatagattct  | aagtctgagc | agtattttta | taagaataaa  | ataaaggaaa  | tttcaaactt | 683460 |
| tccgtctttt  | ttacaacgtg | ttaaagaaga | cattaacaag  | gctgcatgtc  | ataatatatc | 683520 |
| tattgccttc  | gattcttatt | tcttctctat | cgagaaaggt  | aaatcctgtt  | ccgttattga | 683580 |
| ttataggatt  | gcagattggg | ataatataga | ggaatgtgaa  | gatatagatt  | tcaaggaatt | 683640 |
| attgaatgct  | aatattgtgg | agtttcagga | ggctatgttt  | aagtttcttg  | agttatttgt | 683700 |
| tcaggcagga  | gaaaaaagg  | aactttatca | attattgact  | tcaaactctga | ctccgtaata | 683760 |
| ttgtaataaa  | cttactgata | tattttaaat | tgattattgg  | tttgatatat  | ttatgaataa | 683820 |
| cttttggatt  | gtttttttta | agactttgaa | tcagacatta  | aacatgctga  | ctttgggttc | 683880 |
| tgtcatcttt  | gttttttgtt | tggacatgtg | gctttttgat  | attcctgctc  | cctgccagtt | 683940 |
| ctttgctgct  | tgtggaaaat | tcttttacgg | aatcgggctg  | tcgttcattg  | ccgcctacat | 684000 |
| attctacctc  | ataacagttc | attatcccga | agtaaagaag  | gcaaggactg  | tttataaggt | 684060 |
| ttctgacttt  | ccggctatgg | cagtagttac | gaatatcgaa  | cggatattca  | ttgatatggc | 684120 |
| agagaagcaa  | ggaatggata | ttaagagaga | gaatctgaat  | gaagagctga  | ttaagaatat | 684180 |
| tctttcttct  | acaagatgtt | atggtgattc | aactctcaat  | gatattgatt  | ctcaagggaa | 684240 |
| aacaaaagca  | aaaaactggc | ttgggtatat | tgtttccggt  | gaaaagactt  | atcgctcatt | 684300 |
| tattaatggt  | gtcaaaccac | tctattctca | gcttgattca  | gaatatgttg  | ctgctatatc | 684360 |
| tgagattgaa  | caatgcgatt | tttctcagcc | tattatggcg  | atgcttccct  | ttttaatat  | 684420 |
| acgacaacag  | gcacaacagg | aatcacaaca | aaatacagat  | tcaattactt  | ttgagtttgg | 684480 |
| tctagaggat  | ttttttctta | agttatataa | taaatctcaa  | gttttgcgta  | agattattga | 684540 |
| agaacgtcgg  | ctgagatata | aatattaatt | ctccccgtat  | gaggtttccc  | accgagtcgt | 684600 |
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| gcaccattcc  | cgtgtcgtca | tagtccgtgg | ctatgcgtat  | tcctcctgtg  | gcgaagcggt | 684780 |
| ccacctcgcg  | tccggcatcg | tcacgtctga | tgccgctttc  | ccatttgga   | ttgtcttcc  | 684840 |
| tgccgcagct  | tgcaactact | ccgcttacca | gcccgaatcc  | gtcatagtcc  | agtctcacgt | 684900 |
| cagcgccag   | cgaactccgt | actcttgtgc | ggtttccgta  | gtcgtcatat  | tccgattcca | 684960 |
| cggaaagtcac | ttccacaggt | gtgtctccgg | caggcagttc  | catgctttcc  | ctgatgatgc | 685020 |
| gtcctgccgc  | gtcacgttcc | agccggatgc | gtgccgatgc  | gtttgccgcc  | attaccaggt | 685080 |
| taccgttctt  | gtcgtaggag | tattcttctt | ttgtaccgtc  | atggtatgat  | acggtacaca | 685140 |
| tgcgtcccct  | tgcgtcatat | tcgtaggcag | tacttcttcc  | tccgggacgt  | tccacaagta | 685200 |
| cggctctctc  | ggcacgggtg | cgtatgtagt | tgcgcgtcat  | gccgtcaaat  | cccctttccg | 685260 |
| tgcatacctg  | tccggcatcg | ttacggacga | agctgtatga  | gtcgccacgt  | tcgttcacca | 685320 |
| cgtccgtcag  | cctttccatt | ctgtcataaa | ggaattttac  | ctcacgttcg  | ccttccgcac | 685380 |
| gtgtggcaag  | gcttcccagc | ggagtgtatg | tcattccttac | gtggcggtgt  | gcatcccgtg | 685440 |
| cttccgtcac  | gctgtcgtat | gcgtcatatc | ccagttccac  | cgtgttgccg  | tcatgtgcgt | 685500 |
| acacgcgtgt  | gacacgtccc | agcgcatcgt | attcgaagcg  | gtcaggacgg  | agcatgggcg | 685560 |
| agtgttctgc  | agtcacctgt | cccttgtgg  | catagtccca  | ccgtctcaag  | gtctttccat | 685620 |
| tttcggtcca  | cgagacgagg | ttgtaccact | gtattttaat  | tttaataaat  | attagtcgtc | 685680 |
| atatgcgtct  | ccataccctt | taaaatcatt | ttccagccaa  | aaccagtatt  | cccctttact | 685740 |

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|------------|-------------|------------|-------------|-------------|-------------|--------|
| ttccaataat | cgcttaagaa  | gttctgtaaa | agactttgcg  | ataatcatgc  | ttgatcctgg  | 685800 |
| attagcgtga | gtttctaaaa  | aactatcata | acaataccct  | ttcctttctt  | cactcgtatc  | 685860 |
| tatactgata | tattgatcta  | gttcttcaga | tcttgcaatc  | atataccaat  | gttcgcttat  | 685920 |
| atctcctgct | aattcttccc  | atattacatc | atcctctggg  | tataacacct  | tattagttat  | 685980 |
| ttgaaactct | tcatatggaa  | caatttcaat | gccataaggt  | ttgtccataa  | aaaatttaat  | 686040 |
| acttttgtaa | tttgaaaaat  | aaaaatctaa | atcttttaggc | aaattgtgat  | ttgggataga  | 686100 |
| gatagtatgc | tctcttttaa  | ttaaactaca | accttgtgta  | gtttcaatac  | tgtttaaaat  | 686160 |
| ttcaaaaatt | tccatattac  | ctacattttg | tgtatatata  | ttcattaaat  | tgtctataat  | 686220 |
| agtcacttct | gatttgttct  | ggaacacctg | cagcatcaaa  | cataatttca  | gaaagttcaa  | 686280 |
| atatttgttg | aggagtattt  | ttattccaat | tacctcttac  | tttgccaaat  | gtttttttca  | 686340 |
| tccatgtcct | ttctgcctca  | tgagcggcgt | catgcagttc  | ttttgtcaat  | tgtatggttg  | 686400 |
| gttgagaata | ttgtctactg  | atgtatccag | gaatattatt  | tctagcccaa  | gcatccataa  | 686460 |
| tattatggtg | attatatagg  | cctctatatt | tttggccata  | ttccactatg  | tcaaaaagat  | 686520 |
| ttccatataa | tccacataca  | tcaattctta | tattaatatc  | atggacataa  | ctataaagtg  | 686580 |
| ttggattatt | tcctgctagt  | ccaattggat | cttgcgagat  | ataattccct  | tgatctggat  | 686640 |
| taaagtatct | gaacctattg  | taatataact | ctatttcggt  | atcctcgtat  | tgtccctgat  | 686700 |
| atctgaacgg | gatgaagcat  | ttctcaccag | cacattcctt  | tgcgtttccg  | tacacgtcta  | 686760 |
| gcagcatttc | ccagacaagt  | tttccttgc  | tgtcgtaagc  | ctgcgtaggg  | gttcccagat  | 686820 |
| agtcatgcac | aatcgtgtag  | cgttcctgtt | ccgtcacttt  | ggccacgggg  | gtgaagctct  | 686880 |
| gtccgtcata | cacccatgtg  | atgatatttt | caaatgtcac  | cttacggtcg  | tagctttccc  | 686940 |
| gtcccatgtc | gtctgtcaca  | agtcttgggc | gttcatcatc  | cctgcactcc  | cattcgtgca  | 687000 |
| gcagcacgtt | ttcgtcccag  | cagaacatcc | ttgccgttcc  | gtcggagatc  | tttgccgtgc  | 687060 |
| gtctgccag  | cgctcgtac   | tcgaatgtca | cggcctttcc  | atccggtgtg  | atgacgcttt  | 687120 |
| ccagcatacc | gtttgccagc  | cacgtgtagt | agggtgtctc  | cggctgccat  | gcctgtgcat  | 687180 |
| tgtctgcttc | tgcttttctca | ctacccgtga | aaatgctcag  | aaagccatgc  | cttgccctgtg | 687240 |
| cctttggtgc | ttctgtcaga  | ttccttcggc | tcttgtgtac  | gaggtttccc  | tcacagtcac  | 687300 |
| agccgtagt  | gaactctccg  | tcgtcagca  | gccgtccgcc  | tctgtcgtag  | gtgcggtctt  | 687360 |
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| acataccgta | ttctccccgt  | atgaggtttc | ctaccgagtc  | gtagtcaaag  | attaccggtt  | 687480 |
| ctgccgacag | gttgacgcgc  | atcgacatca | gccttgcgcc  | cacgtcccat  | ctgtagcttc  | 687540 |
| ggaatcccgt | atgccttccg  | cctgaataca | cgtggcgcca  | gcgcaccatt  | cccgtgtcat  | 687600 |
| catagtccgt | ggctatgcgt  | attcctcctg | tggcgaagcg  | ttccacctcg  | cgtccggcat  | 687660 |
| cgtcacgtct | gatgccgtt   | tcccatgcgg | ggctgtcttc  | cttaccgcag  | cttgcgttta  | 687720 |
| ttccgtttac | cagcccgaat  | ccgtcatagt | ccagcctcac  | gtctgcgcc   | agcgaactcc  | 687780 |
| gtacccttgt | gcggtttccg  | tagccatcgt | attccgattc  | cacggaggtc  | acttccacgg  | 687840 |
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| ccagccggat | gcgtgccgat  | gcgtttgccg | ccattatcag  | gttgccgttc  | ttgtcgtagg  | 687960 |
| agtattcttc | tttcgtaccg  | tcatgatatg | atacagtaca  | cacgcgtccc  | cttgcgtcat  | 688020 |
| attcgtaggc | ggtgcttctt  | cctccagggc | gttccacaag  | tacggtctct  | ccggcacggt  | 688080 |
| tgcgtatgta | gctgcgtatc  | atgccgtcaa | atcccccttc  | cgtgcatacc  | tgtccggcct  | 688140 |
| gttcacggac | gaagctgtat  | gagtcgccac | gttcgttcac  | cacgtccgtc  | agcctttcca  | 688200 |
| ttctgtcata | aaggaaatttc | acctcacgtt | cgctttccgc  | acgtgtggca  | aggcttccca  | 688260 |
| gcggagtgt  | tgtcatcctt  | acgtggcggt | gtgcatcccg  | tgcttccgtc  | acgtgtcgt   | 688320 |
| atgcgtcata | tcccagttct  | accgtgttgc | cgtcatgtgc  | gtacacgcgt  | gtgacacgtc  | 688380 |
| ccagagcatc | gtattcgaag  | cgggtccggc | ggagcatggg  | cgagtgttct  | gcagtcactt  | 688440 |
| gtcccttgtg | gtcatagtcc  | caccgtctca | aggcttttcc  | attctcggtc  | catgagacga  | 688500 |
| ggttgactg  | ttcgtcgtat  | gccagctcgc | ttacctggtc  | tccctgtgtc  | attctgacga  | 688560 |
| gtattccatg | ttcatcgtat  | ccaaagaccg | tcacctctcc  | ggtcggtcct  | atggttctgg  | 688620 |

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| cccgtattat  | ggggcgtccc | tgttcgtcat  | atacgtacat | ttcaccagtc  | ccgtcagggg  | 688740 |
| gggttactcc  | cgtgaggttg | ccttccgcat  | catagctgta | gcctgttacg  | cgtccttcgg  | 688800 |
| gatcggttac  | gcgatacagt | tccgaatgtt  | cggtatatct | atatcgggtg  | atgttgccca  | 688860 |
| gagggcttcc  | ttccgaagtg | acgattccgt  | ccgtcctgta | tttgtaggtg  | gttactccac  | 688920 |
| ccgtggcatc  | agtcaccagg | ttgtagccct  | tttccggatg | gtactcgatg  | cgtccctcct  | 688980 |
| gaatgccgtc  | cttgccccag | gtatgcacgc  | agcgttcctt | gccgtcatat  | tcccagtgga  | 689040 |
| aggtatctcc  | gttgccgtct | gtcttttctg  | tcatcagatg | tccctcgtac  | acgatgcgtg  | 689100 |
| tggtctgtcc  | gagtgcgtca | gtgatggccg  | tcatgtttcc | gtccctgtca  | tagtcgtagg  | 689160 |
| ccaccagtgt  | ctctgttcct | ttgtctgtct  | caagcgatag | ccgggtgatg  | aagccgcgtc  | 689220 |
| gttctgtttc  | tatacggatg | cgccttcctg  | atgcatctgt | cattccagac  | ggctttccat  | 689280 |
| tgctgaagcc  | tattgtggta | cccagtcctg  | ccgggttcac | cgcctttgtc  | atgcggaaac  | 689340 |
| tcagtccgtc  | gccttcgcac | atatcaaaca  | cataggtcat | ccatgtgtca  | tggtcgtatg  | 689400 |
| cctcgtagcc  | tgtttttgta | tgcttttagg  | tgattcgttc | ttcacggagg  | tagaattctt  | 689460 |
| caccttcagc  | tatggccgga | aatgccacgg  | ccggtccgtc | ttccatgcgg  | agtgccactg  | 689520 |
| catcatcttc  | gggcagttcc | tgtacgggtac | ggcatagac  | actatgcaca  | ccgtgccccca | 689580 |
| gccatcccgt  | gtagtgggag | tctgagtacc  | atgaccgttc | ccaagacaat  | ggcaccgggtg | 689640 |
| aaggaaaccg  | gaagtccagc | ccttcgtaaa  | ccaccacgcc | gcttaccaga  | tcgaccggct  | 689700 |
| cgaagcccat  | cttacagaat | ttttcggaca  | gtttctttgt | gcctggcact  | ttctgcatta  | 689760 |
| ccttgctttt  | aagtaccttg | tggttgaatt  | ctgtcagtat | cttcttgcca  | atcttgctgc  | 689820 |
| cgttttttac  | agcggctctc | agcacggaac  | tgaaccgat  | gcttgaaagc  | agtcccatgg  | 689880 |
| ccgcccctcc  | gatgtccggg | atgtatggac  | cgcctacaaa | tacgggcttt  | ccggtcgggg  | 689940 |
| cagggatgga  | gaatgatgtc | ggcgcgaaga  | gcgtaggctt | cagcttcttt  | tttcctgcct  | 690000 |
| tgctttttcc  | catggtggca | gacagcggaa  | gccccgtatc | gttacagggtc | attaccatgt  | 690060 |
| atcctttcgg  | actcaggcgg | ctgccgtcag  | agaagacact | ctgcgatgag  | aaaaagttca  | 690120 |
| tgctttcatg  | tccgatgacg | ggtgccatcg  | taaaggctcc | caccagtggg  | atatgcgaca  | 690180 |
| tggtaaagcag | catgccgtc  | gtatcggaca  | cacctctttt | cattccgttt  | acgggtgacat | 690240 |
| ttgtcccag   | aaacggaatg | tagtcggccg  | ggtcaatcac | tatccctatg  | tagggatgga  | 690300 |
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| gtgtgtccgc  | cagtaacata | ggctgttgct  | ctgatttata | ttgttgtttt  | attttacata  | 690420 |
| ttcaagttca  | atatgccacc | tttcacgttg  | gtcattgttt | taccgtccac  | atcaatcata  | 690480 |
| gttcctttga  | tggcaacgct | ctgttttccc  | tctgcttcga | tggtaggagc  | gttttctttg  | 690540 |
| attacagtag  | agcttttgat | tgcagtttcc  | gtagtcccg  | caatcttgat  | tttgtcactt  | 690600 |
| gtcatgcttg  | cttctgtctt | accgttgga   | tctatctttt | catcggcatg  | tatttcgatt  | 690660 |
| actttggaat  | gtagtgtaat | cttctcttcc  | gagtcgatgg | tgatggtttt  | gtcaccgccc  | 690720 |
| agcagcactt  | tacttccgct | cggatctgtg  | atgagaatac | ttcctttgtc  | gtcatcaatc  | 690780 |
| gtgatggtac  | atccgctccg | ggtggtcagg  | ctctttttct | tggtgccact  | gtcaccgcct  | 690840 |
| gcaccggtat  | ttccgttgaa | caggctgccc  | attacgaatg | ggcggttcgg  | gtcgtcatgt  | 690900 |
| cggaagccta  | ccagtacgat | gtcgtctttt  | tctgggatga | agacaaatcc  | cctgttggtta | 690960 |
| gatactttgt  | cgctcattcc | tgcattccgg  | gtcatgacac | gtatccatga  | ggttttcata  | 691020 |
| tctcccgaact | gccagttcat | ctttacctga  | acgcgtccct | gcttcttttg  | gtcatcgttg  | 691080 |
| cttaccacta  | ccgcctgctg | ggtctgtgcc  | acgggtagag | gtacctccgg  | agccggaagg  | 691140 |
| cttggtacag  | ttgcgctcag | tgccgtaaag  | gtattgtaat | agctgttgcc  | cgaccctatg  | 691200 |
| atatgggtaa  | tttccgtaat | gatatacgag  | ccgagtgtct | gttctgcaaa  | actgaagttt  | 691260 |
| tctatttgta  | tggccgtttg | tatgtcaacc  | acacttccta | ctgtcaggct  | gtagcagtcg  | 691320 |
| ctttcgctgg  | taatgtagtg | tgaagccgca  | gtatcgcttt | gttgtttctt  | ttggaaatag  | 691380 |
| ctgtcaagtt  | cccctttgtt | ggatatacgg  | ggttcggccg | actgattggc  | tggtgatttg  | 691440 |
| aacagcccta  | tggaagcctg | aatgcccga   | tgtcctaata | ttccgagacc  | ttttggggca  | 691500 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| tcaggagatg  | ttgattcata  | tttttgtccg | tctggcgaat  | gataggattg  | accagccagt  | 691560 |
| gggcgggcaa  | tggtttggat  | ggagatatcc | aggctttgca  | gattacgtcc  | atacatcagc  | 691620 |
| ggtatgcctg  | ctgggtacagc | cggcttgccg | aatacagatt  | gcttgccgtc  | gtagtacaac  | 691680 |
| cattcatggt  | attgtctggc  | tagcctgcgg | ataaagtcga  | agttgctttc  | cctgtatttg  | 691740 |
| cattcgtact  | ctattttctc  | tgtatattca | ggtgaaacct  | gtgcggttac  | gcctgctttc  | 691800 |
| tcacaaatth  | cgctgacgat  | attggccaga | gtcttgtcca  | gccacgaagc  | gcaggtcttg  | 691860 |
| tccgattcca  | gaaggaatgt  | atttgaatat | ccggtcagaa  | gcagacagcc  | gtggtttccg  | 691920 |
| tcagctcggg  | gtagcgaaac  | atgagtggtt | attcctacga  | agggtgtttc  | acccatctgt  | 691980 |
| atgactactt  | ttttcccccag | ccagtttttc | gcctgttcca  | gcgaatgcgt  | ggcatagggt  | 692040 |
| tctcccacct  | ctatatcaag  | actgatctcg | aaatagtgat  | ggtcattgat  | tacttgtttc  | 692100 |
| agcatgacct  | gcagaaaaga  | gtgcagcggg | tttccatcta  | tgctgattga  | tattttcttt  | 692160 |
| tcttccagca  | tggcacagta  | tgtttaaagt | tcaacaaccg  | gaattctctt  | actgaaatat  | 692220 |
| gtcagtgcat  | aaaagcaaaa  | aagagaaaac | ttcaaagcct  | gatcttttga  | aatttccccc  | 692280 |
| ttgtccttca  | tgcgatttca  | gttttattta | gaagaaaagg  | agaaaaataa  | aacatcatcc  | 692340 |
| ttgttaatcg  | caaataatc   | aaaaagaatt | cagtaaaaca  | aaacttggat  | acttttttgc  | 692400 |
| ataaaaacaaa | aggtagaaag  | gaattctttt | aaaatatatt  | atcctttcca  | cctttttgaa  | 692460 |
| taagcttata  | gcctcattta  | taattgttat | gcttctgaat  | tacttatgct  | aaacgcatat  | 692520 |
| tccactttcc  | cgattatgga  | ataaaatgga | tgtatagaga  | agtgtacctt  | gcctgttctt  | 692580 |
| gtatcgagt   | ttgtagatat  | gatagcattg | ttatctttac  | tatctgtacg  | atcgagcctt  | 692640 |
| tcatgttctt  | ctctatagcg  | tttcaaagc  | ttttccttga  | aatcaccaac  | aagacattcc  | 692700 |
| gcttccggaa  | atthtgattc  | gtctattcgc | tttagattat  | tgaattcctg  | actattgatg  | 692760 |
| atthtctaata | aaatattttc  | aatttcttca | tctgatttat  | caagagtgca  | tatccgccat  | 692820 |
| gttctcctta  | tttttattgt  | tgctttgtca | ttgaattgtg  | cagctttctg  | caaagcgtht  | 692880 |
| ttgtctcgct  | tcaatgccat  | aatagaagga | aattgaagt   | cggthttgtc  | ctttattttt  | 692940 |
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| atgaatttaa  | taaagtcttt  | cttgthtaat | ttattcccgt  | tcttatcttt  | gaagttatcc  | 693060 |
| catctaagat  | tcgttacatt  | taatgcttgc | ggagtgaatg  | gcttctcaga  | acctgcacag  | 693120 |
| gcaacattaa  | atthttactgt | ctcattagt  | tataaataaa  | attctacca   | caagaataag  | 693180 |
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| ttttatttca  | attctattgt  | aatctcttcc | gagtatatga  | atcattcgcc  | tctattatat  | 693300 |
| ctgatgcttt  | aacgacatac  | caccaggaat | tattttgcaa  | taagacctct  | aataatttta  | 693360 |
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| ttttctcgct  | atcggtagag  | ccaagaacat | ggcctgcttt  | ttgagctaca  | tacaatgctg  | 693660 |
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| tactthttagg | atcctgattt  | aaattatttt | ccataggctt  | tttttattta  | tagttgttct  | 693780 |
| caacaaaact  | acttgattta  | aaaattttgc | aaagatacag  | attatctgta  | aattacaagt  | 693840 |
| gctthtaagga | aataattcaa  | ccaaagccat | gctataatcc  | ttggaatgtt  | tcatgcttht  | 693900 |
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| gtgtaaggaa  | actccatagg  | tgccgtagag | aattthaaata | gggataaaaag | attattatat  | 694020 |
| gtgagtattt  | tgcattttta  | agatacgatt | ctthttgatga | taaatgataa  | tgtatttctc  | 694080 |
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| tcatcggcac  | gtcgthgttc  | acgtcaagag | tttcttthga  | gtgtacgatg  | taggcgthct  | 694260 |
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| ttgtacgact  | gaattcatac | tcagagtgc  | gtacgtcata | ctcttttcct  | gcaaattcca  | 694500 |
| atgtagctct  | aaatgatgcc | ataattgata | gaatttaaaa | gtttaacaat  | aaatttgaat  | 694560 |
| gactccgttt  | cccttttctg | aatcctgccg | gcttccgtca | gaaaacaaaa  | aaagagaaaa  | 694620 |
| cttcaaaaac  | gatcttttga | aatttcctcc | ggttcttcca | gacgatttct  | gttttatttg  | 694680 |
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| ttgataaaaa  | acaaatattt | attatccgtt | ttattgattt | aacaatatta  | aagaaaaggc  | 694800 |
| ctatgattgc  | aaataagtac | ggaatgaatt | gttcatcttc | tgttttcata  | tcagttccgt  | 694860 |
| tttccataacc | acgctatcag | gagtgaacta | gctatcagcg | ttgttatgcc  | gataatccac  | 694920 |
| agataaatgt  | ggttctcacg | ttggttctgt | tcgataatcc | gtgtctgata  | tctgttatat  | 694980 |
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| ctctctataa  | taggtggagt | gatgtcttcc | ttttgggcat | aatgattgaa  | gcagagtatg  | 695220 |
| ccgataagta  | tgccgctcaa | aagaaaggca | atgagtgc   | taatgacata  | gaacaggtag  | 695280 |
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| gcttttcttt  | tgctcatttc | aataaactct | cgtttgttta | tctggtactt  | gtcgccttga  | 695460 |
| tataggacta  | cctcattttt | taccagccag | tccaaggctt | cacgtacgct  | gcgttccgta  | 695520 |
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| tatccttcct  | catatttgca | aagtgttgaa | tctggtatgg | aaagttttgt  | gaaataagtg  | 696120 |
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| ctgataattt  | cttttaggtc | atttgtcgga | cggctcctta | atgttcccag  | tttgctttca  | 696240 |
| tgatattgca  | aggattccag | caatgtttca | tttgtcattt | ggatattcat  | gttgatagaa  | 696300 |
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| cctcctgctg  | aaaggctctt | cgagggtacg | tcaaacaaaa | agatattggc  | ctcgtctgtt  | 696420 |
| tccatattcc  | ggaaaagttc | cggtttgacc | agcttgtcat | ctacgatata  | gttggctata  | 696480 |
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| cccgtctg    | ctatcaggct | ttcattttat | ttcaggtttt | gattgctgcc  | taatatgata  | 696660 |
| aacagatttt  | tatcaaagac | atttccgctt | attgtattca | tgatattgct  | caaagcgctg  | 696720 |
| tttagtcctg  | tatttccg   | tggggatgaa | aattgaatgc | tgtcagtcgt  | aatgaaatcg  | 696780 |
| atccatttgg  | aaaaatcgga | aagtacttgg | gagtaacgg  | tacctgtatt  | ggatatacat  | 696840 |
| gtggcggtga  | atctgtattg | tacatccggg | gataatttca | ttttcatgtt  | ttgcagggtga | 696900 |
| ttgcaaagca  | tatttgcacg | ttgtgtctca | tgctcgaaat | aaaggaaatg  | gatgtttacc  | 696960 |
| agattatttt  | ctttttccat | acgtctgata | tcagaagaat | ggatgtttcc  | tcctttgatg  | 697020 |
| tttatcagat  | tattccatct | gctgttccat | accagaactg | gaatattgat  | atccgtgtat  | 697080 |
| ccggattccg  | acaaaccgga | ttgtcgtgca | ttccctgtat | agtcaaacag  | tatccttgac  | 697140 |
| tgacggctgg  | cttcctgtat | ctgaatggta | tcatgcattt | gggttagtcc  | gggaattgaa  | 697200 |
| tcggtataat  | ccccgtcact | cagtaggaat | gacctgttct | ggccgacttc  | tgcaatcaag  | 697260 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| tcagaaggta  | tccatccgaa | tacttttcgg  | gaatcatcgt  | ccagagtggg  | acaatctgat  | 697320 |
| accagtacgg  | agcgcttgct | tttgtcgtac  | ttgtaggcat  | agacgatttg  | tccgcttaat  | 697380 |
| aggccgcctt  | ccatcttggt | tttcaggaga  | ggctcgccga  | atacgctcaa  | cgtgtctcct  | 697440 |
| ctgaaatatc  | tgcccatgtc | tagcaatcgt  | ttcggctgtg  | tcagtcctac  | acggaatttt  | 697500 |
| actggcagat  | tgtttccttt | atcaatgtag  | gcatgggtcaa | acatcagaat  | attgtctgca  | 697560 |
| gggatccatc  | cggcatattc | gaccttcgaa  | ggttctttga  | aatgcctttt  | cttgataac   | 697620 |
| aggaagctgt  | aaaacacctt | gggcttacct  | ataatgtcct  | gatcggcacg  | gacaagactg  | 697680 |
| tagttcccgt  | tttcttcac  | aatgatgtag  | tatgggacac  | caatttcctg  | tttccctctt  | 697740 |
| ttacgctgga  | aataagcatc | ctcgtacgcc  | tggttaccat  | ttctgtcaga  | gtagacaatc  | 697800 |
| agattgcttc  | tgtctttttt | gactgcagga  | ttttttccgg  | catctggcag  | atagttgaat  | 697860 |
| atattttttc  | ctgttggtct | ggttctgttc  | catgcagata  | cttgccctga  | tacttgtagc  | 697920 |
| ggcatactgc  | atgcggccca | caccagaaat  | aatatggcta  | tggatttgta  | atatttctgt  | 697980 |
| ttcatctctc  | tgtgtaactt | tgggttattt  | gtatagttga  | tacacaatga  | agtttgctga  | 698040 |
| taagtacttc  | atcaatacgg | acgcgacgtt  | tggtattgct  | ttcgaggaaa  | tgaagccctt  | 698100 |
| ggcaataacc  | ggtaaagtca | ttgtatttgt  | ctccgtttac  | cacgactgcg  | accctgtcag  | 698160 |
| cagggataca  | gaagtatttg | ttccgtatgt  | agttatagtg  | ttcgtaatag  | acagagtgtc  | 698220 |
| gtgaaacgcg  | cgcactctga | atggccttgca | aatgtttgct  | gatgtcgttc  | tgtgccagca  | 698280 |
| cgagtgaatc  | tactgttact | atttcttctg  | ctttttcaaa  | gcgtggcagg  | attgttatgt  | 698340 |
| gatgttttac  | aggatactgc | gttgatttcg  | tttgcagttt  | tacagtatat  | tctccaggat  | 698400 |
| tctcataggt  | atagactacc | tgtggtcgt   | atgcatccac  | agtaccgggt  | tctccaaatt  | 698460 |
| cccattgcca  | ggaattcatg | ccatatccct  | ctgccgcaaa  | gacaagttct  | tctccctgat  | 698520 |
| agccttcaga  | cacaccatag | atatgcgga   | cagaatcaat  | ggctgcgcgt  | tcagttccgg  | 698580 |
| atattacttt  | tatgtatttg | ttgatgggat  | aactgttgct  | tattttcaag  | gttaccagat  | 698640 |
| atttaccggg  | agattcatag | ctgtatttca  | tattgctttt  | atcgcttatt  | gcatcaccgt  | 698700 |
| ttcccatctg  | ccacaacagt | tttcttcctt  | ttacggcaac  | tgtatcgttt  | atcataaatt  | 698760 |
| ccagtttctc  | attcacctcg | taatgatagt  | tgtcgttgga  | gtcaaataca  | taaaagtcga  | 698820 |
| tggtgctcag  | ttgggatttg | gagggaaca   | gcagaatgat  | gataatacct  | cctatggcaa  | 698880 |
| gtatgcccaa  | ggcggtgata | ataatttttc  | tcttggtatc  | catattgctt  | atagattagc  | 698940 |
| tttacattct  | tccaggtcct | tttctattag  | ctcattgttg  | tgtttcaggg  | cactcagttc  | 699000 |
| ttcttgtagt  | tcaaactgga | atcttaatgt  | cttggaagtc  | agtgcaccga  | acatgaatct  | 699060 |
| cgaattcatt  | ccgttttttg | tgtagatttc  | ctgaaggcca  | tatatatttc  | cttttatttc  | 699120 |
| atccatacgc  | tgtacctggt | atgcgttgaa  | atccaatgaa  | tcgatttggt  | tccatattac  | 699180 |
| cgaagatctt  | ttggcatggt | ccttttggtc  | ggtaaataatg | gtttccgagt  | ggttgatgtc  | 699240 |
| cttgattagt  | tccgagcttt | ctttcattgg  | aacatcaaac  | acataattgc  | ataggatgat  | 699300 |
| aaaggtcagc  | actacggtaa | acaccagcaa  | tatcgcaaag  | cgtacattac  | cccatatatt  | 699360 |
| ttcgtctttc  | gtcatggttt | ctgcaatttt  | tcttttgtaa  | attcctgata  | cttattcctg  | 699420 |
| catttctcca  | attgctcaat | attggattct  | cttttttttag | cttcacggtc  | aagggttatcc | 699480 |
| atggtaacct  | gtatctcttt | tatctggctg  | agcattacct  | tgtataacct  | atagttctgc  | 699540 |
| ttgttggtatg | cgaagctggt | tatctcattc  | tccatcagct  | ggcgcttctt  | ggttatcaga  | 699600 |
| ttttgcaaat  | gcttggtgtc | gctcgcattt  | cgcttcttggt | ttttcagact  | gttcagttca  | 699660 |
| cggaaacagtt | cttcaatttg | aaaattgagt  | tcggcctggt  | tcttgaacac  | ttcgtcgtat  | 699720 |
| tccgactttt  | tgttttcaag | tagtgcgatt  | cctctctgtg  | ctgtcacaat  | cgagatactg  | 699780 |
| ccgcataagg  | caatgaccag | taaagtgcag  | gcgaatatga  | tggagaattt  | ccacttggcg  | 699840 |
| cttttgcgct  | cttctatggt | cattgcttcc  | ataattcaga  | ttttttaatt  | acatgaaaga  | 699900 |
| ccatttcttt  | ttcttctctt | cttgaggtga  | agcagtactt  | tcttctccga  | ctacaatatt  | 699960 |
| ttctctcaca  | aggccgatat | attccagttc  | ccccattttg  | tggaaacatcc | gttccagaag  | 700020 |
| agaaaggaat  | gcacctgaag | tatgcagtga  | agaactgata  | tccgtatgct  | cgtatgtaat  | 700080 |
| accggcaact  | ttttcaatac | tgtgcataaa  | gtctgatgga  | gtaatatggg  | tccactcgta  | 700140 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| ataatattgc  | agcagctcct | cacgcatggg  | ttcagacaag  | gtctgtaagg  | cggaaacgaa  | 700200 |
| tccgtttgcc  | aattcattga | ctgcccggat  | aagaaaaata  | ggaggctgtt  | cttgagctat  | 700260 |
| ctgttctata  | aagaagatat | ggctgttata  | aaaactgctg  | aatgcattgc  | acaggacaaa  | 700320 |
| cgtattattg  | gccagcgcat | ccctgcgttt  | gtccgacagg  | tttcggctgt  | atatcgctct  | 700380 |
| tatatcttcc  | cgtatgttgt | gcaggatatg  | cgtcagttga  | tttatgaacg  | atttcaagcc  | 700440 |
| gtcatgatag  | acagatttct | gtaatggcgg  | tatatattgg  | cggtttacag  | caaatgcgtt  | 700500 |
| tccatgggat  | tttatttctc | cgattatcag  | aaagtttttg  | ttgtaaaaag  | ccttgttcgt  | 700560 |
| ttggcttttg  | ggtataatat | gcattctttat | gctcggcagt  | acgtgaggat  | gatgcaaggg  | 700620 |
| tacaacttcc  | ggatctgggt | cacctatggg  | tatcatctca  | taaggattga  | ttgatacaag  | 700680 |
| aataaggaat  | acattgtcct | caatagcgag  | agggttgctg  | tctggcaatg  | tcgctgtcgg  | 700740 |
| tacataatct  | ccatatagcc | cttcatagaa  | gatgattgga  | ataccgcctc  | ttgtcagttc  | 700800 |
| gttacatttc  | ttcagccgta | cacacagggt  | atcaagggat  | tctccggtta  | tatcgaattc  | 700860 |
| tacattgtca  | tttgagttgt | caaatgccct  | cccgattcca  | taattatagt  | ccgtgagttg  | 700920 |
| gccttcaatg  | cttccatata | gagattctat  | catgttataa  | taattcccga  | agaaatgata  | 700980 |
| ctttgtcaac  | tttactccgt | tgaccaatt   | aatcggtaaa  | tgttctatct  | tcatatgctt  | 701040 |
| actcttttgt  | tgaagttaat | tttactcttc  | tgatataata  | aggtcggttg  | tttctgattt  | 701100 |
| tgttctgctt  | gctgtccttg | tgtggatcaa  | gaatccgtat  | cagcagcgga  | taactgaacc  | 701160 |
| attttgtcgt  | ataaaaagtc | catcccacct  | tgtaacctgc  | ttttcctgtt  | tcaatcctgt  | 701220 |
| tctgtggaaa  | tctgcggttc | tggctcttcta | taaaccagtt  | gaaccagttt  | cccagagaaa  | 701280 |
| tgccgtccgg  | cagttttaca | accagcgaag  | cgtaattctt  | atctcctatc  | ttgctggtga  | 701340 |
| ttttcacttt  | tacggacttg | aattcaaagc  | tgtcaatatt  | gtcccagtag  | ttacggtcga  | 701400 |
| aagtcccga   | ttccaattcc | cacggagcat  | agatgggagg  | aggtataaag  | agaaacagtt  | 701460 |
| ttctgcccag  | cataatcatg | taaggactta  | tgaaccagag  | tacattcagc  | gctcccaaaa  | 701520 |
| tggcatcacg  | aagattgctt | atcttctcaa  | atataaggta  | atatatccat  | cctccgagta  | 701580 |
| tgccggatac  | agacaacagc | agtattgtcc  | ctccggtgga  | ttctccaagt  | ccgattgctt  | 701640 |
| tgaagaatc   | tgattctgtg | tacttcaga   | aaataaaaacc | cagtcgatg   | tagcatagga  | 701700 |
| ttgtcagaag  | aagtccgccc | catacgaatt  | cattcctgag  | aagtcccaac  | aggcagggaa  | 701760 |
| gggcaattat  | caaagctgaa | ataagtatga  | agataatggc  | ttttttcata  | ctcagcttcc  | 701820 |
| gttttagatt  | tttcatgccg | ttcaggaaaa  | acagcatgac  | cgttacgagc  | agtgggtgcta | 701880 |
| acaggatatt  | aaagaaaaaa | gataataaca  | tttccatatt  | ctaacttttt  | tatctgttgt  | 701940 |
| ttatagattc  | atatcataat | ccaagcggtt  | tttcccaaaa  | atacagtctg  | tacgtccatg  | 702000 |
| tatcagggtg  | tttatatgta | tttctctgaa  | tgaagata    | aagaaactca  | gtatctttgt  | 702060 |
| tacaatatg   | tcgattcgtg | attgtccgtt  | gtagtcttct  | gaattttcag  | actgtccgaa  | 702120 |
| gactatgggt  | gcttccatat | catcaccttc  | acattccact  | tctccgttca  | atccaagggt  | 702180 |
| ttctcctaga  | ataccttcat | tgataggcga  | atattgtgaa  | atggtaataca | catgtggtat  | 702240 |
| atacctgagc  | ctgacttcaa | gatcaagaac  | aacagaaaac  | atcctttcaa  | tggccgggag  | 702300 |
| attctccatg  | tattcatccg | aattgcaaag  | aaaaaggaac  | agcttgtact  | tttgatgggtc | 702360 |
| agtgatatcc  | aatgatatgc | caagcatcgt  | ttctacaagg  | tggttcagat  | tttcacgcac  | 702420 |
| tgttggattt  | gaaaagaaat | tcaaatacag  | gtcgaatgatt | ttgacacggt  | ccttgaagaa  | 702480 |
| ggctgtatcg  | aatggaataa | aaaaagaaat  | cagctccttc  | tccttttttt  | tgttgtcacg  | 702540 |
| tatcgcatcc  | acaatttctt | tgttgcctat  | tcccgggtgtg | cttatgacaa  | ggggatggaa  | 702600 |
| caggagtccc  | ggaagctgat | gatacatact  | gttccttgca  | agatgcaggg  | taacaacttc  | 702660 |
| cttgatgaa   | tttggcgtag | aaaaataacg  | taaagaagcg  | ctcagaatgt  | ctttggagtg  | 702720 |
| gacacgcgga  | ttcatcccat | gacaaattat  | catgagagaa  | tccagcagggt | cttccttgag  | 702780 |
| gatgaactgc  | aattcttcaa | aaaagacttc  | ggcaatgtaa  | ttgtttgcac  | tgctgcgttt  | 702840 |
| cagttcggtt  | attttttctt | tcctgtctat  | tggagttccc  | atacaagttc  | gttatttctg  | 702900 |
| agattgacta  | caatattgtc | acctggtttg  | atttcttccg  | aaacgataag  | tcttgatacc  | 702960 |
| gttttttttaa | tatacgttct | tataactcct  | gctataggac  | gtgcaccgta  | ttttggtgag  | 703020 |



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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| aatccttttt  | gtgagaggta  | ttggagtgtc  | tcttccgcc   | gttcaagggt  | gatgttcttt  | 703080 |
| tggttctaata | gctgcttttt  | caatcttgaa  | aaatgcaata  | ggaagatttc  | ttttgccaca  | 703140 |
| ttttcatttta | taggagaaaa  | tggtaccacc  | tcagtcagtc  | gtccaagaaa  | ttcaggtctg  | 703200 |
| aaatattggg  | ccataacctc  | aataagtttt  | gcagatgttg  | gggtatggcc  | ggcctgtatc  | 703260 |
| tgatccacaa  | tccattgact  | tccaatgttg  | gatgtgaaaa  | tgattatcga  | gttggaaaaa  | 703320 |
| tcaccttctc  | taccagttt   | gtcatgtatc  | ttaccttcat  | ccatcatttg  | aagaaataca  | 703380 |
| tcatatacgc  | tggaatgtgc  | tttttcgatt  | tcatcaaaaa  | ggactacgga  | atatggcttt  | 703440 |
| tgtctgattt  | gtgtcaccag  | cagaccacct  | tcttcataac  | cgacatatcc  | cggagggtgt  | 703500 |
| ccataaagca  | gggctgctga  | atgctcttcc  | ttgaattcgg  | acatatcaaa  | cctgatcatg  | 703560 |
| gcagattcat  | tgtcaaaaag  | cagttccgcc  | aatgatttag  | tcagctcagt  | tttaccagtt  | 703620 |
| ccggtagggtc | caaggaaaaa  | gaaggagcct  | atgggctttt  | tggggctact  | caatccgctt  | 703680 |
| cgtgattcga  | taatggcatc  | agacaagggtg | gcaatcgctt  | tgtcctgacc  | tttgactctt  | 703740 |
| tccctgagct  | ttgattctat  | accgagaagt  | cggctctttt  | ctctggcctg  | tatttttctt  | 703800 |
| ataggaatat  | tggtacattc  | ggccacgatt  | gcttcaattt  | ccgctgctgt  | tacagttcct  | 703860 |
| atgggtgcgga | gtgatagatt  | ttccagctct  | gtcaggattt  | tattaatcca  | atggattttt  | 703920 |
| acctcatatt  | tgtcttcatc  | attccatgta  | taggtatctg  | aaagttttga  | tgttatgaca  | 703980 |
| gaacctattt  | tattgaaaat  | catccggtaa  | agcaattgta  | aatcggagct  | ctgaattggt  | 704040 |
| tcttctgtat  | tctcctgtag  | gcgttcgaat  | tccgcccgga  | tattttctat  | tgtatttctt  | 704100 |
| gcatttttgt  | tgcaaagccg  | tactgcgga   | gaagtctgt   | ccaaaagatc  | aattgctgca  | 704160 |
| gatgggagac  | tgcgttcctt  | gaaatatcgg  | cgtgataatt  | gtattacatt  | aggaatgcag  | 704220 |
| tcttctgaaa  | tttcaagtcc  | gtaatggctt  | tctatttctt  | ttttgtgcag  | gtgtaaggca  | 704280 |
| cacaatagag  | tggaataatc  | cagctcttcc  | gcatttatga  | caaccagttt  | gctttctata  | 704340 |
| gatttgctttt | ctatatgttt  | acggtatgca  | tcttttgtaa  | ttgtaaatat  | gagattgcag  | 704400 |
| gctccttcac  | caatctgggc  | attgagaata  | tttatcagag  | ttgtcgattt  | acccgtatta  | 704460 |
| ccgtttttcca | gcaacacctg  | gaggctcgtct | atcacaagaa  | ctacctgctc  | aatttggtttc | 704520 |
| agtttatgta  | tcagggccac  | agtcttttgg  | gatattctcat | tttccgatga  | tgttccggcc  | 704580 |
| agtaatttgg  | ctgtattcat  | tcctacaaca  | gaaacctgtt  | gcagcatttc  | gtctttattg  | 704640 |
| taacataattt | cttttacaaa  | ggcgttgatt  | atggatgttt  | ttcctatacc  | ggaatcgctt  | 704700 |
| attatcatta  | tggcttttatt | ttctgagcgt  | tccaggcatt  | caagcatggg  | tctgatttct  | 704760 |
| ttgtccctgc  | ccaccactat  | acttccgttt  | ttgatgggtg  | cttctgtttt  | cagattttca  | 704820 |
| gcgtatggga  | acgaggccag  | tatctgggtt  | tcttccccct  | gaaaggaata  | ggctgggtgta | 704880 |
| agggcatcat  | aataattttag | aatatcctct  | tcgcttacc   | caagtaattc  | tatttgctgg  | 704940 |
| tgcgaaataga | tgacaccttc  | tctggatatg  | gccgtaaaca  | cacaaagagc  | atcaatgtga  | 705000 |
| tcgcttccca  | gctttatttt  | ggagcgttcc  | gcttcatcca  | gtactttgga  | tagttcgtca  | 705060 |
| tccgcacata  | tttcgtcaga  | gtcactttcc  | gacgatgtgt  | acatttcttt  | gcgcgtgtca  | 705120 |
| aaccaatcca  | tcagataggc  | aacgtccttt  | tgcatggatt  | gtaggatttc  | tttaagacct  | 705180 |
| gtactttctg  | tcagcatggc  | taacaccaga  | tgtgggacac  | cgtatgtact  | ttgtcgttcc  | 705240 |
| tgcttgccca  | ttgattgggc  | caattttatg  | gcagaaacaa  | gactggggct  | gtagtcgttg  | 705300 |
| tttatcataa  | gaatacaatt  | ttataagatg  | aattgcatac  | ggacttttca  | gtcagatcct  | 705360 |
| tttcaagaaa  | atgagcgaaa  | acggacagat  | ccaagaagtc  | tcctatatatt | tgttttaatt  | 705420 |
| ttatctcaac  | ttgaactatg  | cggacgaatc  | cttttttctt  | ttccggagaa  | atggcaacac  | 705480 |
| catccttaat  | ctgtatatc   | tctacgttgt  | ttcctatctt  | gtggtagata  | tagttatata  | 705540 |
| tatcctgctt  | tgatacgatc  | ctgtctctgc  | tgacaagtcc  | atatctcagg  | ctgtgtacca  | 705600 |
| gattggattc  | ttcgggtatgc | acgattccgc  | cttgaacggg  | agttctgaaa  | acaagacttg  | 705660 |
| ttgcatcata  | tttctccata  | ttgaactgtt  | ggataaatgc  | cctttcatca  | agtccggttag | 705720 |
| ccagtcgtcc  | tgaagtaatc  | cagaatttta  | cttccgcact  | cgtagcattg  | ggggctggta  | 705780 |
| ctgtcagagc  | aaaaatgcgt  | tgtcttttct  | catccctgtt  | tacgctttct  | acacttttct  | 705840 |
| ctatctcggg  | aagttttgag  | aacaactctt  | tcagttgcgc  | tgtcagcaaa  | tcaggattta  | 705900 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| atgcggaaaa  | ggcatttccg  | tcttctctga  | ttctttgcag  | aatctggctg  | atcagggtcaa | 705960 |
| tggcactatc  | cgaatcaaag  | cgttccaggt  | caccgaaata  | caagtcaaaa  | atacctgtcg  | 706020 |
| gattttcttc  | aaactgctga  | agcctgttgg  | gatactcctt  | tccagtattg  | tcacaaatgg  | 706080 |
| agcgtatgtt  | aaggaaataa  | gccccctttg  | gacatggaag  | aggacataa   | cgcccgttag  | 706140 |
| ttgcaaaatt  | atgttgttta  | taaaccaatt  | ttctgtttac  | tacagggtat  | gtgttcagat  | 706200 |
| atatgttcag  | tgaatcaagg  | gaatcttgcg  | aattgaacac  | ttcaggtaaa  | cggagtttta  | 706260 |
| accaaaaagta | tctgttcttt  | atatctatat  | cctgagtcct  | ctgattgggtc | tgaggatga   | 706320 |
| tttgtagtaa  | tgtttttagt  | gatttgtctg  | cttctgccag  | attgatttta  | ataaaaataat | 706380 |
| cattgtagaa  | gtcttttatt  | tcctcaaaat  | aatgggcgtt  | attgaacgga  | tcctccactg  | 706440 |
| aaagacctga  | ttgggatggg  | atctttttcc  | cgttggaatc  | gaaaaaacgg  | gccatttgca  | 706500 |
| agaatgggac  | aaaggatgtg  | tcacaggaa   | tcaggcaaag  | tgtcatttcc  | tgtgtttctg  | 706560 |
| ccagatgttc  | ttcgtctata  | tcaataccga  | gccagatgac  | gtatgattca  | atctgatctt  | 706620 |
| tacggctgag  | gaatacattg  | gaagcaatac  | ttttctcaga  | aatagttttg  | atagtatcac  | 706680 |
| cgtgggcaat  | gaaacggagc  | cgggcattca  | ccagaggata  | attgaaaaga  | ggagtaaaga  | 706740 |
| atacttgcac  | gctttcttta  | ccgaagatga  | atttttctgt  | atagaagtga  | tcttccgcat  | 706800 |
| taagtatgca  | ggctctcatca | ttattggggg  | ctacagacat  | taatgctgta  | gccggaatag  | 706860 |
| gcaaaagcca  | tttgttgtct  | ataagtatac  | gtgacaactg  | ataaagcaaa  | cgggagtccg  | 706920 |
| acgcttttat  | ttcctgatgc  | agacggggcg  | ttcatatgct  | gaagacatcc  | aataacaaat  | 706980 |
| caaccacggg  | gtccatatta  | cgtgagtcac  | tgatacccca  | tagttccata  | gcgaatctca  | 707040 |
| gaattctttc  | ctttatttca  | atatgtcttt  | tgtctggcat  | agtctttact  | gtttatttta  | 707100 |
| ttgtgataac  | ggacttatat  | aaacaagcgt  | gctgaaatag  | aacggttggg  | ccgttgaact  | 707160 |
| tatttttcct  | ctcactgtta  | tttgagcttt  | tctgcgtaca  | tgagtctctt  | tcttattctc  | 707220 |
| atcgtcaatc  | tcggataaaa  | ccacattttac | agttacctct  | ttcaagcgct  | gttcatacgt  | 707280 |
| cgttatggct  | tgtaataaag  | attcctgaac  | cttattctcc  | caatcgctga  | tttttaccaa  | 707340 |
| ttgactgaat  | tccagctccc  | atattacaga  | gccgtaactt  | tctttaccgg  | ttacctctcc  | 707400 |
| atagcgtgaa  | acaatcagca  | acataatctg  | ctgtgcaatg  | gattcctcat  | aagaacacct  | 707460 |
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| ttcttatatc  | aattattttat | ttatgttttt  | cgcaaataa   | cggtttttta  | ttaaaaacac  | 707580 |
| taagtttttt  | cataagattc  | ttctatgtaa  | atltgatgaa  | acaaaaataa  | attcgtatat  | 707640 |
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| atgggaacaa  | tagttcgtaa  | aaaattagcc  | cagcctaagc  | ggctctggca  | gtaaataaaa  | 707760 |
| tgagttcttt  | gaaaagtttg  | tcaattaatt  | gcgtgtttgg  | ttcaatccca  | gacacgcaaa  | 707820 |
| taaactcggtc | aagcatgtaa  | gcattgtgta  | tgactgactt  | gcatgatgat  | atggaatatt  | 707880 |
| ttattcccat  | cttcttacag  | gcagccttgg  | cgaggtttat  | cgctgcaagt  | gatgcattaa  | 707940 |
| agtggaatgc  | cagtttctctg | aagtctgtag  | actgacagtt  | tgctattccg  | gcatgttgct  | 708000 |
| tggcatcccg  | aaagcagaat  | tcgagttgga  | aacgtgttct  | gtaaaagtcc  | aggacatcct  | 708060 |
| gtgcgttctg  | tatttcgttt  | gtagagaaat  | acagctgccca | tttgtccggt  | cttccatcca  | 708120 |
| tggggtacca  | tacagccagg  | ctcaciaaagc | gtttgagtgc  | tttgaggtat  | gctttcagtc  | 708180 |
| cgtaaagttt  | acccttggtc  | actttgtact  | cggtacatct  | tgtgatgtcc  | agattttcaa  | 708240 |
| agtcaatttt  | ctcgtcatgt  | aattttggac  | gtccgcgttt  | tcctgtccta  | ttttctaagg  | 708300 |
| tgggataaaa  | caatacggca  | tcatttctga  | aacggcttat  | tacgtggaaa  | ccgttatcgt  | 708360 |
| acaatgggtt  | gatgaaagtt  | gcctttgaaa  | agaacgcac   | acacacgact  | gtgccagaaa  | 708420 |
| tacgtttcag  | ctgttctctg  | atgctgataa  | ggtaagagct  | gtaccagtca  | acaagattct  | 708480 |
| tctcacagct  | ttccagcggt  | gcgttgtcag  | gtgtctgtac  | agagcccaaa  | gtcatacatt  | 708540 |
| catggttgtc  | aacgtctata  | actccaatac  | cggttatctt  | cagtccacgt  | ttgtattcac  | 708600 |
| cggcacaacc  | ggaccagaaa  | tagccaatcc  | acggcggttt  | gctgcctgat  | tttggaatga  | 708660 |
| aagacggatc  | aacggctatc  | gccttgcgac  | cacctttaag  | gtgttccttg  | atgatggctt  | 708720 |
| cattgaagga  | aaaccagtca  | aagccgtcgt  | tctcaaaatt  | gttgcggtat  | gtctgttccg  | 708780 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| agaaacatcc  | ataccgtccc | atttgttagga | aattgatgcg | gtcaggtata  | gccatgaata  | 708840 |
| atttcattgc  | atccatgaat | actttctgaa  | aagatttgct | tatatttaca  | gctgattcga  | 708900 |
| gagcgtttct  | gcactcggat | tggtattgca  | taaggagtga | ttcttttagtc | ataattaa    | 708960 |
| gtggtgaagt  | acttctaatt | tactaaaaat  | cagtgaatta | tgaataactt  | tttctgttga  | 709020 |
| ttttcagctg  | tttagcatat | ctttttcatc  | ccttttctta | ctccttgacg  | atttattcct  | 709080 |
| gacagtattt  | caatgatctc | ttgaatataa  | ttttgaaccg | gattatgccg  | attctatgtt  | 709140 |
| taattttaat  | ttatcggtaa | aaatttaccg  | aagtattgat | gggaatgtac  | aattacggaa  | 709200 |
| ttggtggcaa  | tgaagttaag | gtcgatgcga  | atgaatctat | agccgagatc  | ccttccaacc  | 709260 |
| gaactttaat  | tgtccagaaa | ctgacagacg  | atgctccttc | tgagcctgag  | tgtgtttacg  | 709320 |
| gtttgcagac  | catagaagat | gtgtttgagc  | gttttgaacc | taccgtgcaa  | ctggaacata  | 709380 |
| tagatgcaga  | aggtaacgaa | gtaaaagagg  | tcatgacatt | caaaggcctt  | ggagattttg  | 709440 |
| gagcgggtaa  | aattaaggag | aacagcgagt  | tcttgagtga | attggatatc  | gaacgtgaac  | 709500 |
| aaagtatcaa  | aattgcccgt | caactttctt  | ccaataaggc | tctccagaaa  | gtgattgaaa  | 709560 |
| atcctgcttt  | gaggaagct  | ttggctgaag  | ttctggaaat | ctctatgcaa  | gagattaatg  | 709620 |
| aagctcaatc  | taagtctaaa | atttaaaatt  | gagatttatg | aaacctgaaa  | atgaacaaaa  | 709680 |
| actacaaccg  | gctgcaacgg | ctacttctac  | ttctgtccaa | acaacctctc  | aaggtaaggc  | 709740 |
| cgcttctgcc  | tccgcgatag | atcgccgtga  | agaattcggg | ggattttcat  | ttttgaaaaa  | 709800 |
| tattattgac  | gggtattcaa | acatgaatcc  | caacaggaag | gctcgtcgaa  | atattttctt  | 709860 |
| gactgatgca  | cagtgggatg | ctgagcgtaa  | agctctcgtc | agacgtttag  | gtgtgtgggt  | 709920 |
| ggatttgctc  | cgcaacaata | ccaccacaga  | gcaaatgcgt | gataaggcta  | aggaaacagc  | 709980 |
| tcttcaggct  | gaagaactgt | tgaataagaa  | tttgaaagcc | gcattggctc  | gtacccatga  | 710040 |
| tttggaagta  | gcttaccgtt | ccgttgcata  | tttctataaa | aatacggaaa  | atgacaaggt  | 710100 |
| caagaatgtt  | acaattgtta | atgccagtat  | ggaacagttg | cgtgattttg  | ataatactgt  | 710160 |
| ttttgctgac  | tatatcaaca | aagaattgaa  | acagaatttt | gaccgtctgg  | atttacgccg  | 710220 |
| taattattct  | ttgcttgttg | tgcctgggta  | tttgggctct | aatgctattt  | tggacaaatg  | 710280 |
| gtctaagatg  | gcttatgaca | acaaggcatt  | ccttattaca | gacttccaag  | acttgagctc  | 710340 |
| tcctgatgat  | gtaattgata | tattctttta  | tgcagatcac | acaagtgggtg | atgctttcaa  | 710400 |
| gtcaaataca  | gtgatgacat | gtaactggct  | gcttggccgt | gcaaaggagg  | attccgtagg  | 710460 |
| agaagaagag  | aatctttatg | ttccgccatc  | aacagcactc | gccggtaaaa  | tctatgggac  | 710520 |
| attgatgtct  | caggttggtg | ccggaaagaa  | atttgaggga | ctcaatgaag  | ttgaaagtgt  | 710580 |
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| ggtaaatgaa  | tatagcaaag | taatggcttt  | ctctgccaaa | actttgttca  | atggagataa  | 710700 |
| cctcggtttg  | cagacttatt | ctgttgtagc  | tgtgttcgac | tatattacga  | aagtattgtt  | 710760 |
| tgacttcctc  | aaccgtcgtg | catttgaaaa  | ctggaacact | cgtacagaag  | cggattttacg | 710820 |
| ctctcagatt  | gtaaagttcc | tggatagtgt  | aatggggccc | aacaaactta  | tcgaacgctt  | 710880 |
| taagggtggtg | aagattgaac | aggatccgaa  | ccagaaagac | cgtatcttgt  | tggatataca  | 710940 |
| tattacaccg  | ttcttccctg | ctaagagttt  | cgtcattcag | cttgccgggtc | acaaagggtga | 711000 |
| cgggtccggaa | gaagctgttt | gggaaagtga  | atatcgtcag | gaataatttt  | gtcaagttag  | 711060 |
| tagatgggca  | tttaatgtcc | atctacttta  | tttataattt | tcttcgctat  | gacagatcat  | 711120 |
| tgggaacaac  | taaaccaaca | agaactgcac  | aatagattac | aaagtaatct  | taactttaaa  | 711180 |
| ggaaaggtaa  | cttttgataa | tcaaaaaaca  | gcggctatag | agattgatcc  | tttaggaact  | 711240 |
| cacgatattc  | taagaaatca | agatggtagt  | tatgggctta | tttctttttc  | agattcagtg  | 711300 |
| ccattgtggg  | ttaataaacc | tgctttaatt  | gataatgaga | aggcaaaaac  | atacatgtgg  | 711360 |
| catgaaaata  | ctgcaaattc | tatatccaca  | ataggaacca | tagctagttt  | ggtagaacta  | 711420 |
| tcaaatatta  | aagctacagc | aagattctat  | aaggctggta | aattttctcc  | taaaatttat  | 711480 |
| ggtaatgggt  | ggcagggagg | aagtcgtgct  | cgtattaaaa | catataaagt  | aacttctttg  | 711540 |
| gcaaagaata  | tgggtcgaaa | aatatttttt  | gtcggagtgt | ttattgatta  | tgcaggagca  | 711600 |
| aaagatggac  | aaatttctta | tggaaaagct  | acggtaataa | ctcttgatc   | tggagctgct  | 711660 |

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|-------------|-------------|-------------|-------------|-------------|------------|--------|
| gctattattg  | gtggctggat  | aggtccttaca | ataggttttg  | tgtattgggg  | attagattcg | 711720 |
| ttaggcgc    | ttgaaagacc  | taatatttct  | atcaatccga  | ataattatgg  | tacaataacg | 711780 |
| cagcctttag  | ataatttgcg  | tgtagtattt  | cctatattgc  | cttcacaaga  | gcaaattata | 711840 |
| aaacgtcatt  | acaaacataa  | acagacatat  | atcggacctg  | cccctgctaa  | aagatattag | 711900 |
| taatgttaaa  | agaaatttca  | tactggacat  | attatttttt  | tttgaagcgg  | aagtatctaa | 711960 |
| aggatggtag  | acataaatca  | gactctgtta  | tgtttatatc  | agtttgttta  | ttttttaatt | 712020 |
| ttgcttctat  | aattcaaata  | atagaatatt  | atgcccattt  | tacattgcca  | aggtttccta | 712080 |
| ttacaacaaa  | atgggagttg  | tcatcttgga  | tatatgcaat  | aattatatta  | actccattta | 712140 |
| tattttttgt  | atataataga  | tatttttaac  | aggaaaagtt  | acaggctctt  | cttgaagagt | 712200 |
| attctagaaa  | atcagaaatt  | cgattgttga  | taggccgggtg | tcttttcttt  | gcctattgta | 712260 |
| tttttacatg  | gattggttca  | tatgtaattt  | tagcatattt  | tcatcattga  | actatattga | 712320 |
| aagtatttaa  | tctctattta  | taatagaaaa  | tggtgtatga  | agttctataa  | ttcatatgcc | 712380 |
| atttttttat  | taaaataggt  | atgatattct  | ttcccttatt  | tctctgagat  | aatttccatt | 712440 |
| ttactccgaa  | cgttcccttt  | tctgttctag  | actccgtact  | aattgtatct  | catctttatt | 712500 |
| ttgctctttt  | ggcgttattg  | tcggctggat  | tttattatgc  | aaaggtacag  | cttaggggtg | 712560 |
| actacatgta  | ccgctttgct  | aattttacgtc | acattttttc  | agaagtcttc  | cacaaatcat | 712620 |
| agattttggg  | attctaaaaa  | aatactcctt  | aattttacatg | tctgaacatc  | ccttatcgct | 712680 |
| ggtatttcta  | gcatataaaa  | ttcattcccg  | acaatgaagc  | taagagcttc  | aaagaagagg | 712740 |
| gaaaaagatg  | tttaacaatt  | aaaaacttag  | aattatgcca  | aattgggtgca | gtagcagtta | 712800 |
| tgtcttggtg  | ggcagtgacg  | acgaagtga   | aaaactttat  | ggaataatga  | aaaagctgga | 712860 |
| acgaagaaaa  | aaagcattcg  | ttgaaaacgg  | tttcggaata  | acctggcttg  | gctgtcttgt | 712920 |
| tgatgctttg  | ggagaagatt  | ggaaaaaagt  | gtcttgccgt  | ggggaatgga  | atgcagctcg | 712980 |
| caaaaagagga | aatacactga  | ggtttacgac  | agagacggca  | tggggacctt  | gtaatcaggt | 713040 |
| atttgacctt  | atttgcagaa  | aatatccttc  | aatcagatat  | tattttcaga  | gtgaagaacc | 713100 |
| gggaatgggt  | gaatacctta  | ccaatgataa  | ggagggaaaa  | tattttcaagg | ataagtattg | 713160 |
| tgtcgatggt  | tatactccgg  | aaaaagaatt  | taagcataag  | catttttttag | atgaacaaag | 713220 |
| tctgtataaa  | tggcttgag   | atatacttgg  | tattatcggt  | acttctgccg  | atgatattga | 713280 |
| aaaacagaat  | aaacgatgg   | atgatactga  | caattcggct  | ttttgccaca  | tttatgagtt | 713340 |
| caggaaaaata | tgaatatatt  | gcgagtggaa  | caggaaatgac | attatcctgt  | tccacttttt | 713400 |
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| atctgatttt  | accggcagcc  | ttccacaaat  | caaagatttg  | ggtattccaa  | caaaatcatt | 713640 |
| actgcttact  | tggcttacca  | tcctttcacg  | cttttgtttt  | cggcatgtaa  | aattcattcc | 713700 |
| cgacaatgaa  | atggagctaa  | aaaagcttca  | agtaaaggga  | aaataaaatg  | tttaacaatt | 713760 |
| aaaaacttga  | aattatgcca  | aattgggtgca | gtagttcgta  | tgtcattgaa  | ggtgacaaga | 713820 |
| aagaggttaa  | gaaactttat  | ggtattatgc  | atggcctcga  | aaaaaggaag  | acaccagccg | 713880 |
| ttaaaaacgg  | attcgggtaca | gcgtgggttag | gatgtctggt  | aaacgctctt  | ggagctgatt | 713940 |
| ggaataaagt  | ctattgcaga  | ggagactgga  | gtaatcttga  | aattggagcaa | gatactttga | 714000 |
| aattctcgac  | agaaacagca  | tgggggcctt  | gtaatgaagt  | ctttgacctg  | ataaggcaaa | 714060 |
| agttcccttc  | attgagttat  | tattttctga  | gcgaagagcc  | aggataggga  | gtgtttcaga | 714120 |
| caaatgatag  | ggatggaaag  | tattttacag  | ataaatttcg  | tgccgatatt  | tgtactccag | 714180 |
| aagaagagta  | ccagtgcgaa  | tattttgagg  | ataagccaag  | tatgttcaaa  | tgggttgaag | 714240 |
| agatattcgg  | acagccagtt  | acttcggatg  | aagatattga  | aaaattaact  | gatgaatggg | 714300 |
| agaatgccaa  | tgagaatgcg  | ttttgcaaca  | ttgatgaatt  | tatagtata   | gaatagaaat | 714360 |
| tggtagagca  | gggttatgaa  | cattagcatg  | actctgcttc  | ttgttcttta  | caacatagcc | 714420 |
| tttataccct  | ttttattacc  | ggcctgtacg  | gattttcttt  | tccctctttt  | tatttaccgc | 714480 |
| ttataagtat  | tctgctcatg  | cttttacgca  | gccatcgccc  | gatccttgct  | gctgaatttt | 714540 |

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|-------------|-------------|-------------|-------------|-------------|------------|--------|
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| aattttgtcgg | cagccttccg  | caaatacacag | atgttggtat  | tccgtcaaatt | tcgtatgcca | 714660 |
| tttacttggt  | tttaccatcc  | attgaatgct  | gtctggattg  | catataaatt  | tcctcctgca | 714720 |
| aggaagccgc  | aaggcttcta  | ctggagggaa  | aaacaaagtc  | taacatttaa  | ttttttgtat | 714780 |
| tatgcacagc  | aaaatttttc  | agattaccca  | gacaatgggt  | gataaggaca  | gttatttgaa | 714840 |
| tgaagacact  | cttatgcaag  | gtgaaggcag  | tttttttgac  | tattgtggag  | aaattgatga | 714900 |
| tgaggaacgt  | cagttacata  | ttgagaactt  | ggtgaatgag  | gtattgcca   | aaggatatgt | 714960 |
| cgagttcgtt  | tctgaaaaca  | cgatacgcta  | tatgggcggt  | gcggaagagt  | ggaaaaagaa | 715020 |
| ttttatcgca  | ggtattcgtc  | taagggtcga  | ggctgtgact  | cccgcacaaa  | tacaggattg | 715080 |
| gattggcccc  | gtctatcagc  | ttgaaaagta  | cctgaaagac  | cctttggaga  | ctggatattg | 715140 |
| gttttatacy  | gacgagaatg  | gcatacagtc  | ctatgcggag  | caatcttatg  | aattcttgcg | 715200 |
| tgaagtttgc  | gctcttgagc  | caggtacttt  | gctttatatc  | ggaggtgtca  | tcgattatca | 715260 |
| tttctgattt  | ttgtcatata  | ggtggcttgc  | tggtgttcat  | tgccggcagg  | atgcaccttg | 715320 |
| tgcattgata  | aaagaaaata  | cagccttttt  | tattgtcact  | tcctttttta  | tatttcttcc | 715380 |
| ttttttacat  | ctttaagaaa  | tctctgattt  | agcaataagc  | tcgcgtcatt  | ttgtttttta | 715440 |
| ctcagcaaat  | gtacggcgga  | tggaaatggc  | gtccaagtac  | cgctccgcta  | catcgctcga | 715500 |
| tttttccgaa  | actttccgaa  | atcagagatt  | acggtatttc  | ataaaaattt  | atcctctgtt | 715560 |
| ccttgttgcc  | attctttttt  | ccgccgtgat  | gttcgcacgt  | aaaaaatcaa  | ccttacggcg | 715620 |
| agtctaaaag  | ctcaaattaa  | gggaaataaa  | taaacttaat  | aaatatttgg  | attatgggaa | 715680 |
| aatacgaatt  | tatcaaggaa  | ggaaatgttt  | tggtctggca  | tgaccctgac  | aaaggactct | 715740 |
| ctgacggagt  | ttatcaagtt  | gtttctgttc  | cggaggttat  | agaggacgat  | agtattattc | 715800 |
| ttattgcagc  | ttcaggctct  | gaagcagagg  | tttatcccac  | tgaactttct  | ccgataaatt | 715860 |
| caggcagaag  | ttacaagaaa  | gcattcttac  | gttggaagc   | agaacgggaa  | gctgacggaa | 715920 |
| aggtgtttta  | taacagactt  | tcagaggcca  | tgaaaacgga  | tagtaaaatg  | aaagttggcg | 715980 |
| atatggttgt  | tttcacaaat  | gatgccggcc  | ttgtatttgg  | tccttatgag  | gtattggcat | 716040 |
| tcgagaaacc  | ggacaatatc  | aaagacagat  | gcgtatttat  | tgaccatgat  | agttattggg | 716100 |
| tctcagaacg  | tcccgaataa  | ttgttgcttg  | ttcagatagg  | aggtgagtta  | tgacaaagga | 716160 |
| tgataagtac  | ctatggcggt  | tatgtaaaaa  | cattatcgca  | gggcgtttca  | attggcgcag | 716220 |
| atactacagg  | cagcagagtt  | attacggtcg  | tgagatctgt  | gtgacaccgc  | ttttctgttc | 716280 |
| ctatggacag  | attgggttaca | ctgtaaactt  | cccttattca  | agaatgccgg  | atgtagaata | 716340 |
| tgactgggaa  | cttgacgaac  | tgaccattga  | tgaaatggat  | tataaggaat  | attttgagca | 716400 |
| ggaacagggg  | tgaaaaacaa  | gaggggcgga  | aaaacgctac  | cgtccctccg  | ttggtaattg | 716460 |
| cctgttttac  | ctcctgaatc  | cgcttcgttc  | catttcttcc  | tcctcgcggt  | attcttccat | 716520 |
| attttccagt  | ttttcattca  | cctccgtcag  | gttgtcatcc  | agcgccttat  | catggttata | 716580 |
| ttcaaagctg  | tgctgtaccg  | ccagtcctgc  | attgggttaca | gagcctacgt  | ccaatgtgtc | 716640 |
| tttttccctg  | ttatagctga  | tatacagcac  | ttcgccattg  | ggcatttcaa  | aggccggaat | 716700 |
| attcttttgt  | gatatttccg  | caaattgttc  | tgctaccata  | gtttttgcca  | cctctttcac | 716760 |
| atcattgctg  | gctctgccta  | taccgtacct  | gcggatatgg  | tctcgaactt  | cctgttctgt | 716820 |
| gtatttcagc  | atcacgtcaa  | aggttccgcc  | tacactgcca  | ttataaacta  | cagcaaaatt | 716880 |
| ctcgtcttca  | atcagcaggt  | catcgccacg  | attctgtaat  | ggtgaggcat  | atgtgtactg | 716940 |
| ttcatccatg  | ccgttaccgt  | cataatactc  | tttggcgaga  | gcaagcagac  | cattatagtc | 717000 |
| gcccttgtcc  | ttcagctctt  | ccaattgcct  | ggtatcatcg  | gacatttgca  | gataggctac | 717060 |
| agaagcataa  | tatacctttt  | ccttcggggg  | ttccgcccgt  | tcctgatttt  | ctgtcttttc | 717120 |
| cctttctata  | tccctggcaa  | tctgggtctat | cttctgcgta  | atcatggatg  | atgctttctt | 717180 |
| cacatccata  | agtacggtct  | taatgtactg  | gggcgactcc  | ttcagattat  | ccaaccacga | 717240 |
| tttcagatac  | ggacaactgt  | cctcttttat  | atgtttaacc  | atgccgtagc  | gttgtgagat | 717300 |
| cagtgcaccg  | cacaattcgg  | ctacaagttc  | ttcatcgcta  | tactcctttg  | aaccgaaaga | 717360 |
| ggtcggtttg  | aaacggttta  | gtacaccttc  | cgcaccagtc  | gaatgcccc   | tttcatggaa | 717420 |

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| cagtgttcca  | tagaatgctt | ccccgtcctt  | gaactgcacc | ttctccggtg  | cgggtgatttc | 717480 |
| attcttgctt  | attgaataaa | aggcatcatc  | ctgatgtttc | acgttgatgg  | ggcagatcca  | 717540 |
| cagattgtcg  | cgatatcatc | tgtccgccgg  | ttcgaagctg | aacatttcgc  | cttcatgaac  | 717600 |
| aaatgggcgg  | ccgttttcct | tttccagttt  | ttcccacagt | tccggacgtg  | cttctttcag  | 717660 |
| attcgtctgg  | gcgacgttga | acacacggaa  | aacctgcatt | ttgggataca  | cattatactg  | 717720 |
| ttcctttctca | tcgttcgaca | gattcttgta  | atcatcatac | ttgatcttct  | ccttagtttc  | 717780 |
| cttgtggata  | caggtgaagg | tagtcagcat  | gacgggaaac | gattttctcac | ctttcagtac  | 717840 |
| cgaaaccctc  | ggcagttcct | cgccgtcctt  | gcccggcttg | ttcagttctt  | gcacgcaatc  | 717900 |
| gaagggtgcag | aacctcgga  | tagtatatcc  | ttccttttcg | cagtgcagca  | tgagcatcag  | 717960 |
| cgcattcata  | ccattgtatt | cgccggccgga | aagattacgg | ggccactgga  | gtgccccctc  | 718020 |
| ggtgaaccag  | ggcttcttcc | agtccttacc  | gatggtctcc | agcttttcaa  | tcatcatttc  | 718080 |
| agcgaacagg  | tcaagagcct | tgtcttcgct  | gttggggccg | tctgtattgc  | gtttcctgta  | 718140 |
| acttgccata  | tcatcgtcag | ttattgtttg  | gtgtcggtag | atactgggtt  | acctcctgac  | 718200 |
| aacggcatgt  | aatatcaacc | ttgccgttat  | accaggacaa | atcaatttca  | ccttttgctt  | 718260 |
| ctatcttggt  | agaaggctgt | aaccatgctt  | ctcgttgctt | gtcaaagcaa  | aagaatctta  | 718320 |
| cccacaagta  | ttcgaaattc | tcattttacct | tttctgcgct | gaaagctgaa  | aagctgaaga  | 718380 |
| acggtttgcc  | gtttttgtca | gttcgttcat  | caactgtttt | tcccactttg  | ccgcggaatg  | 718440 |
| tgagttcacc  | ctgcaggctg | tctgtgtcgc  | ctgctccggc | tggtagtata  | ctttctgccg  | 718500 |
| acaggttgaa  | gtacgttttg | tcaccctgtt  | gcttcggtag | cagtatgcct  | gttaccttta  | 718560 |
| cacgcatacc  | gtttcgcaga | cgtgtgctt   | cttctgtgtt | tccgtccatg  | ctgacgctga  | 718620 |
| tttccacagc  | tccgccctgg | ccgtcctttc  | cctgaatggt | ggtctgtacg  | gtcatactga  | 718680 |
| caaactgttt  | cccttctttc | ccgtttctga  | ggatggcatc | acggctgatt  | aagccgcata  | 718740 |
| ccgttacatt  | gcatttgatc | ataaagtgtc  | ttgtttatta | gtgttacatg  | tccacagacc  | 718800 |
| atgtatgtgc  | tgaatgctga | atattgatgt  | tgaatgctga | aaatggtgct  | gcctaatacg  | 718860 |
| gggcacgtat  | ttttatatag | actatacata  | cggcgatggc | cacctgtacg  | gctacgatga  | 718920 |
| cagccgtacc  | gatccagccg | accagccttt  | ggcataccat | aatatgcatt  | gccagtgccg  | 718980 |
| atagtccgag  | taaacatctg | cttattgtta  | tcaccacgcg | ttttgtcatg  | tctgttatgt  | 719040 |
| gttagtcata  | tctatctttt | catggtttcc  | gcctgtgtct | gctgttgcca  | catgccttgc  | 719100 |
| tcgaaattcc  | gggaggcggc | ttccgaaaga  | atcacggtat | tcagcagtc   | ggtcacccgc  | 719160 |
| atccttttgc  | tttcttctga | aagctcgttg  | ctgtttaata | ctacagacag  | tcggctcaac  | 719220 |
| tcggctgatg  | ttagtctctg | ggatattttc  | agttccccgt | tatccgcttt  | caggatggcc  | 719280 |
| ttgccgtttt  | cttctatgct | cagttcgcaa  | gttttcatgc | ccggcatcag  | ggatgtcagg  | 719340 |
| tcaatcctgc  | gcctatccat | agcagcagaa  | attgcggcat | tctgttcttc  | ttcactcttc  | 719400 |
| gcattctatct | gtgcagccaa | aagcatcaga  | gatgtgaaag | cggatcatagc | catctctacg  | 719460 |
| atgggatcat  | tgcaaccgga | tataccgaca  | ccgctatctt | ccgaggacag  | cagttttttc  | 719520 |
| atccaggcat  | caggtgccat | ggtcttgtca  | gtgttaatgt | tctcgttatc  | cctgtacttg  | 719580 |
| gccaaagggt  | cacttccggt | gtacatcacc  | tgctgtttga | tatttccttt  | ctgggcaatc  | 719640 |
| tctgccagat  | aggctgccgg | atccacctcg  | cgtttcgtcc | cgctcgtgta  | tatgtttggt  | 719700 |
| actccgaaat  | gcagatgctc | gccggttggt  | ctatttcccg | tattgccgga  | agtaccgagt  | 719760 |
| cgttgtcctg  | catttacgct | gtcaccggct  | tttacggtaa | tgctcgtcag  | gtgcatgtag  | 719820 |
| gtacattgta  | ccttgttacc | gtccggtctg  | ctgtattcta | ctgttaccgt  | ctttcccccg  | 719880 |
| gcggagtcca  | cattattggt | caccgacact  | acttttccgc | cattttccgt  | tgccagtact  | 719940 |
| gcataccctt  | tgcacgtgat | atcaagtcct  | ttgtgcatct | gctgcttctc  | cttgttcatc  | 720000 |
| ggatcctggc  | gcataccgaa | ggccgatgtt  | acaaagagaa | actcctcgcg  | ttccaccgga  | 720060 |
| aacgaatatt  | cttctgccat | tcctgctttt  | tcctcgtcgc | gcaaaggatt  | ctgttctatt  | 720120 |
| ccgaatgttt  | ttccctgtgc | ggccatttcc  | tgcatgacct | gacggtcgta  | tttgtcaaga  | 720180 |
| ccattctggt  | caatgatttt | ctgtagtgta  | gctgcgtagt | ttcctccggt  | tgcataatccg | 720240 |
| gcttttgcta  | tgctttctgt | ccatccttta  | taatcatccg | gcttgagttt  | gaaacactcg  | 720300 |

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|-------------|-------------|-------------|------------|-------------|-------------|--------|
| gcatagcggc  | tggtctcttt  | caagaacttg  | gaatgatgtt | cgaatgattc  | acctacattg  | 720360 |
| tcatagctgc  | agaatttttc  | attaggtttg  | tcgtccgtgt | atagaccgta  | acggccaccc  | 720420 |
| tgtgcaatcc  | agtcaggcgt  | agccttgatc  | ccgaaatggt | tggtctcggt  | cagtgccagt  | 720480 |
| cggctctgtc  | cgttactgct  | ctccagaata  | ccctgggcaa | gtgttacgga  | tgcaggaatg  | 720540 |
| ccgtagcggc  | gcatctgctc  | catggcatac  | tctgcatact | tgtctgcata  | ttctctgttt  | 720600 |
| ttaccagcca  | tattattatc  | tccttaatgt  | tgtacgttgt | tccactgatt  | cttcgtttcc  | 720660 |
| gtcttttccg  | gatgcttggc  | ctgtttctct  | ggctgtccct | tcggattgcc  | tcccgtcggg  | 720720 |
| catgcttcca  | gactgttgca  | aggacttgct  | tcttgctttc | tccattttccg | gtgcgtcaca  | 720780 |
| gatgactaca  | cgttctccgg  | ccctgatcag  | cttgggcagg | tagtcgtcca  | gtttgtggta  | 720840 |
| aggaaactct  | gccgattgtg  | caaatccccg  | ttcacctcct | tccgaaagct  | tttgtatggt  | 720900 |
| aactcccagt  | atgctggctc  | ccttttcggc  | atcatcattg | tacatacggg  | aaaagtcacc  | 720960 |
| tttccgtacc  | aattgcaggg  | catcaggatg  | ttttgccttt | atcctgtccc  | aggattcccg  | 721020 |
| ctgtgcagac  | gtttcattct  | gtaccgtctt  | ttcagcactg | tcttttgtgg  | tctcggcagt  | 721080 |
| ctgctgtctt  | tctgcacctt  | tttctgtttt  | ctctccggca | tggtcgtcct  | gtgtctgtcc  | 721140 |
| ctgttgacgt  | atgtctgcaa  | acagcgttgc  | ggcaagattg | cgttttatact | cgttcttgtc  | 721200 |
| ctctgccagc  | cacatgcgtt  | gccactgctg  | cggagtcagg | cttctcgggt  | gcatacgggt  | 721260 |
| accgtctatg  | gtagccgtac  | actggatacc  | gtctttcttc | gtcttgaata  | cgcagactct  | 721320 |
| ctgtatgcgg  | ttcagggtcta | tgtccctggg  | ctctgtgctg | aacagatcaa  | ccttcagggtc | 721380 |
| tggtttaatc  | tcagccagcg  | cataatactt  | gtgtgccagt | tccatgcgta  | ccttgtcaat  | 721440 |
| gtcatccatt  | gcctgtttca  | gcgtggtgaa  | gaaacggttt | acgtcctcct  | tgtccggata  | 721500 |
| aacgctgtat  | cccggttcgt  | tctccggttt  | cagatacagg | gccagcgggt  | tcttgtcgtc  | 721560 |
| ctgcaccatc  | tgtatcttgt  | caaagcattt  | ttcattgggt | tgttttacgg  | ctggagtaac  | 721620 |
| gtccagcgtg  | gagagaactt  | ccattgtcca  | gtttttcaga | cggggccagcg | atacctgttt  | 721680 |
| ttctgcaaaa  | tacgcatcat  | cgggtcggta  | gccaaggca  | ccgtccggat  | tgaagaaacg  | 721740 |
| cacgttttct  | ataccttcca  | gtcgcgaaggc | acgttcgata | cgagccttgt  | tcatgcccgg  | 721800 |
| cacctatta   | tccacttccg  | tagaagctcc  | tgcgggcagt | accacgtcgg  | ccttcttgcc  | 721860 |
| ctgacggtct  | atgacaagca  | cgatgttctt  | gtcttctctg | cttgggtatc  | tgctgatttc  | 721920 |
| atctgctaca  | aagtagtgct  | tccggagctg  | gtcgcgcagg | tccgttgtct  | tttgcctgtt  | 721980 |
| gcgcaagggtg | gcatattcta  | ttttttcggc  | tttttccgct | ttgtgaatca  | cctcaagggc  | 722040 |
| attgttcacg  | tcactttcca  | atgcgtcaat  | caggatagta | ttctccttga  | gttccctgtt  | 722100 |
| ccagtagtcc  | accatcttcc  | tgctttcttc  | cgtcaggcgt | gcaggcaggc  | caagttcaag  | 722160 |
| catcttgatt  | ccggatgcta  | tctctaccac  | cagcctttcc | tgtttcaatg  | catcttccga  | 722220 |
| aggtagcata  | ccgtttttca  | tcaccatacc  | ttcgcgtgca | agcctctgct  | gatgcccggg  | 722280 |
| tgcactcact  | atctgtctca  | aagcttctctg | tacatagtca | tggtaatgct  | tgaactctcg  | 722340 |
| ctggcggggc  | atatacaccg  | catcacggtc  | tgtctcatag | tgaggcatac  | cgcttccgtc  | 722400 |
| cgaacgtaca  | ggaacaagat  | tgtcccgcac  | tttcagcagg | aagtcgttga  | atcggatgtg  | 722460 |
| cagtttgctg  | tcatcggatt  | ccgaatatcc  | attctctgta | atcccgcctg  | ctgttttcag  | 722520 |
| tgctatgtca  | tagcctcttt  | cgtccacata  | agggaatgtc | gtctgatcga  | tggtgaacag  | 722580 |
| tggtcgaatc  | tccctgttgt  | gaatgccttt  | gtactgttcc | ttcattttccg | gctccaacag  | 722640 |
| gagataatcc  | cgtcgggtga  | tgatgtcctc  | cggattgttg | cggttcacgt  | agcggttcca  | 722700 |
| gttgtagtag  | agaaacggta  | caccctgtct  | atgttccctt | accgatgtac  | cgcgtgcctt  | 722760 |
| ggcatcggtg  | tacagggtaa  | acagatttgt  | cttgcacctt | ttgctgtccg  | aatgtagagc  | 722820 |
| cataaacaag  | gcgttgaacg  | gactggccga  | aactccttgc | ggatagagtc  | tccgatatgtg | 722880 |
| cttgccggca  | gcattgagcc  | agtggccgtc  | ggcttccgaa | gcgccactca  | atgccgatga  | 722940 |
| aagcagttct  | atttgctttt  | gtgcggcatt  | tttctctatt | tgcgactttt  | ctttcatatt  | 723000 |
| tggatgtgtt  | tgtgtgtgtt  | atgtttttta  | tagttcttac | tggatacctc  | tgcttctggc  | 723060 |
| cgcagtttcc  | tggtgtccgc  | tgctgtagtt  | ttccgcagcc | atctgacgca  | gcctgtcgtc  | 723120 |
| ttgggcaagt  | atggcattgg  | ccagtgtgtt  | caggggcacc | gcgccgctac  | ggtaggcatc  | 723180 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
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| gcagccctgc  | aataaccggat | ttacgatacg  | tggattcaat  | ggttcgtccg  | catagcgttt  | 723300 |
| gtattgtacg  | tttccgcttt  | ctctacgtgg  | atatccgtca  | acttcgctct  | gttggtttga  | 723360 |
| caatgcttcc  | ttgccggcct  | tgttcagcag  | atgtgcaccg  | ccaagtccca  | tgagcagcat  | 723420 |
| cttcagcagc  | gggttccgga  | caaataaggcc | tgctacgata  | ctggctatcg  | gcaaaagggt  | 723480 |
| gtccttcagt  | ccgagggatt  | tcgtcttgcc  | cgtaaagagc  | cccagcagca  | tatccggcag  | 723540 |
| catggctatg  | atataaccca  | ggttaccggc  | cacttttccc  | attccgtcaa  | gaccgaatga  | 723600 |
| gtgcaaaagc  | ccgtcccagc  | cgtttgattt  | ggtatgttcc  | gcttgttctt  | ccgtttcttc  | 723660 |
| ccgcgtacct  | acagcagctt  | cgtcgtcttt  | cacattttgt  | ccgttgatc   | cgcttgctcg  | 723720 |
| tgtttccgta  | tttttcattg  | tctgttccct  | tacttcgctt  | tccgtgttgt  | ccttcagcat  | 723780 |
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| gtactgctct  | ttgcgttctt  | ttcccggcat  | actgtagttc  | ttcatccatg  | ccggcttttc  | 723900 |
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| tacagattgt  | tcccggggag  | tttcaggcac  | aagactgtca  | gctgcagcgg  | tcagtaccac  | 724140 |
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| ggccaggatg  | cgttccttac  | acattcctat  | atactcttcc  | gtagtctttg  | agttccattc  | 724620 |
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| actgagaata  | ccgctggcag  | aggtcgagta  | ttctttcatt  | tcctcgacct  | gcttacgggt  | 724740 |
| gagaaaagcc  | tgtgtttcat  | tcattaccgg  | taccaggtaa  | cagcggaaat  | aactgcccgt  | 724800 |
| gagagcctcc  | atttccgcaa  | accgtctgct  | attgattccg  | tccatatctt  | gtcattgttt  | 724860 |
| cgctatacca  | tgtttatctg  | tttgagcagt  | tgctccttgg  | tctgctcgat  | ggcatgggtga | 724920 |
| tatacttcca  | tctgtcttgg  | aaaatattct  | tccagccatt  | tgctccttct  | tatgttgtcc  | 724980 |
| tgccaggaaac | gaactgcctg  | ttcacgttcg  | atgtccgaacc | tgccaggata  | tacagaaact  | 725040 |
| ttgttgaacc  | atgcctttgt  | ccaccagcgt  | atgccgaacc  | tgccaggata  | tacagaaact  | 725100 |
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| cctccgctgg  | ctactgcttc  | gttacggagt  | ttttttttaa  | gccctcatca  | gtcgtactta  | 725220 |
| gaaatatttc  | gtatctgagt  | gccagatagt  | tcagaaaatc  | cccagataagc | aggttctgta  | 725280 |
| ccttgccggc  | cagtgggaagg | gctctgtgtc  | cgagtcctag  | aggattggcc  | aggctgggca  | 725340 |
| ttctctcata  | gaaatactcc  | tttacggctc  | ccatggtgaa  | cagatgacgt  | aggctctgtt  | 725400 |
| ccgtatgctc  | cggtagtgtg  | tatgcacctg  | atctcaggct  | ttccatataa  | aggggaagga  | 725460 |
| agcggagcat  | tagtttttct  | atttcctctc  | tgctattctc  | atagtcgggt  | gctacgggtc  | 725520 |
| ttccttcctc  | gtcaaagtct  | gccgcgctgc  | cggttgcttg  | tctggctgcc  | cggatgtttc  | 725580 |
| cgtacagcat  | ggtcagaaat  | tctagcggat  | tcagttcttc  | tcccttaaag  | cgggtttcca  | 725640 |
| gatgcagcag  | gtcgcgcgta  | agtgccactg  | tctgtccggc  | ttttacacgc  | tgcccgaact  | 725700 |
| gggcgaacac  | attcgacaga  | tgtccgtatg  | tcacttcgta  | gccgccatat  | cggatggtct  | 725760 |
| gacagatacc  | gtgtaccgga  | ttgttgga    | cgcccagcac  | gataccgtcc  | gcaagggctg  | 725820 |
| acagcatccg  | gcagcgcacg  | ctgaagtcaa  | tgccgtgatg  | aaagaacttt  | tctccagttg  | 725880 |
| tcggatgtac  | ctgttcgcca  | tatccaagcg  | acatttccac  | atcttttccc  | tgtacttcc   | 725940 |
| caaacggcat  | acagtagccg  | cttttcgagt  | gcaggatcat  | ttcttctgta  | tatttcatat  | 726000 |
| cttgtattgt  | tttttagtcc  | tatcttctca  | tgccccccgg  | tcgcacttgc  | tcttcttccg  | 726060 |



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| aacggccgaa  | tacaaggaat  | gcggccgcta  | ccagtcctgc | gatactcagg  | cctgatacgt  | 726240 |
| ttccgcgtcc  | cagattgccg  | aaaaagtttc  | ctatcatcgt | tccaagtcct  | ccgcttggtg  | 726300 |
| tttctttcag  | gaagtttgat  | actccgtcca  | gttttccgtc | aagtccggat  | acagcttctg  | 726360 |
| ttacagtatc  | cattgctgct  | ccggctttct  | ctttcagggc | tttcatctcc  | tcggtcgttc  | 726420 |
| cagcaagagt  | atccgtagca  | tttttgcccta | ctacagcttc | gctcacgatt  | cttgctacac  | 726480 |
| ttttgtccga  | gtcagttttt  | tcccagcccta | catacccac  | ggcacctccc  | acgggtggcg  | 726540 |
| tcttgattgc  | ctgaccggct  | ccgcgaagag  | tctttgtggg | gtgaagtacc  | gcctccccgg  | 726600 |
| cacttttccc  | ggttgcaact  | gcggtttttc  | cggctccttt | ggcagccttg  | ccgccgtatt  | 726660 |
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| gcctgtttcc  | aacgtctttt  | tgccgcttcc  | acaatgtctc | gcttgtctgc  | taccggccgt  | 726780 |
| gcgccttcgt  | ctatctccag  | ccagatgtca  | ccaagcgttg | tgtacttcac  | ggctttcgtg  | 726840 |
| agccgttgca  | gcttctgggt  | catcatcctg  | agtttgggac | ggatgccgaa  | tacgatttcc  | 726900 |
| atccgttcct  | tttcgggtcat | cttggtgtcg  | gaaatacaga | cagaccgtat  | gtcattttaca | 726960 |
| atttccacac  | tgttcagtat  | aagttccctg  | tatatggcat | tccgtctggc  | tgatagggcc  | 727020 |
| acggctacgg  | cgttcggaga  | gttccgtgcc  | agttgccggc | tgaaatcacc  | catattgtcc  | 727080 |
| gtcagtttgg  | atacctcgtg  | gtagaatccg  | tatgtctgtg | ccgcatagct  | gactatcgag  | 727140 |
| cggaacgagt  | ccagatagtt  | gttgaactca  | cgctgcaggt | tggtcgtggc  | ttccacttct  | 727200 |
| tccttggtcc  | agatatgtcc  | ggttgtctgc  | atcagcatga | ccttctcctg  | gttcttcagt  | 727260 |
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| gggccacttc  | ttcgttattc  | cgttctatca  | ttcctgccgt | cacgctgttc  | cacacgtcat  | 727500 |
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| gtgtctgccc  | cttaatctgc  | ttttctatct  | gtccgtttat | caggctcattg | ccctcggcca  | 727980 |
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| ttattgtatt  | ccacacgttc  | gcgtatcaga  | gtcacgattc | tgctactgcg  | tttcattccc  | 728160 |
| agcagggtcaa | gccgtggcgt  | gttccgggtc  | atcgagagga | tgcttaccgt  | tttcagtcgg  | 728220 |
| catatctggt  | gtaagatact  | ctgtttctcc  | tggaagtcca | cgatgcggta  | cagttccata  | 728280 |
| taatccacct  | ttcttagcag  | aataccgcgc  | tcgcatacta | gctgttcggc  | tgttattttcg | 728340 |
| taacgtattc  | tgcgaggtga  | gatgtaccgg  | taaagcagta | caagaagtgc  | aagtgcagat  | 728400 |
| attgtggtcg  | ccatgcttac  | gagaggcatg  | ttttccatgc | ctccgtatat  | cagtccagca  | 728460 |
| acacagaccg  | acatcagcgg  | cagttcattg  | atgacaaact | gcaccggatg  | cggccggaag  | 728520 |
| ttgatgatata | cgtaatgtgt  | catttgcata  | ggctggctct | gtttatcggg  | gaaaccgtgg  | 728580 |
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| ttcaaaggag  | aatatgattt  | tgtccgcacg  | ctcaattctc | tgctgtaccg  | ccttataatc  | 728760 |
| cgcttcgtca  | tacgtcccaa  | tacggatatg  | ttcaggattg | acttccggca  | atgcagccaa  | 728820 |
| agcgcgattc  | agagtggctt  | taccgcttat  | ctcctgaagt | tcgccctgct  | tttcttctat  | 728880 |
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|            |            |            |             |             |             |        |
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| agtaattgcc | ggctcttctt | cctgtttcac | aaatgctttg  | attatcttgt  | cgaagtcaaa  | 729060 |
| gggttccagc | tttatttcat | gacgtggatt | tcctttgccg  | ttttcctgaa  | ttacaagcaa  | 729120 |
| atccgcttct | ggggtaaagc | tggtaaattc | catcccggca  | tgggttaggg  | caaaggttat  | 729180 |
| tgcatagatt | tttcccgcac | ggtcacggtc | aaagcaaaga  | tgggtgcgaag | cttgtggcgt  | 729240 |
| tgcttcaaac | attcctctga | actgctggcg | gctcggtgaa  | cctccggtag  | atacaaacac  | 729300 |
| ggcctttctc | aattccctgt | ttgttttctg | gttttagctga | taataggcca  | ttgcgtcgta  | 729360 |
| tgcgctttca | aaccagtaga | tgtcgtttgc | atcagccggt  | ttggtctgtg  | caggactggc  | 729420 |
| ggcccagact | ccttcgttcg | aattgctccc | ttctgccttt  | cctttgtagc  | ttccgcttcc  | 729480 |
| gtctggctgc | ggacggcccc | tttcttcaaa | tcctacagtc  | ttctccggct  | cttttggcag  | 729540 |
| gataagcggg | aacgacaagt | tggtataagc | tctcccgtct  | tccagatgtc  | tggttgccag  | 729600 |
| acagaaattc | ctgtgaaaag | catattgggt | gtacagatct  | atacctctgt  | ttttgaaata  | 729660 |
| aggatagaat | cttttctgtg | tttccctgtc | ctgcgggttg  | aatttatgca  | attcgtattg  | 729720 |
| ttcaatgtca | aaaggctctg | tatcacgttt | gggctgtagg  | atacgggcac  | tgcgttcctc  | 729780 |
| tatgggggtg | ttgagcagac | ggcagcacac | cagatttacc  | agtctgtcag  | gcgagacacc  | 729840 |
| ggttttgtat | tccgcaaaaa | gctgcggatg | ctccttgatg  | aatgatatta  | tattgtagag  | 729900 |
| tttctgctgc | ggtggctgga | aacaacattg | tccgttggct  | gtcactatga  | acttgtcgcc  | 729960 |
| acggatacgc | cgtccgtcgc | tgtccgtgcg | gacatacgaa  | ggatagcgaa  | ggccgtcccg  | 730020 |
| cctgttcagg | cggtaaccgg | catcgatcag | tacatcctga  | atattcagtc  | tgcgcagata  | 730080 |
| gtcgtcgtat | gtaaggctc  | cgtctctcat | attttacctt  | cctaattctca | tgtctgtaat  | 730140 |
| ttcccggttc | atttctgctt | cgaataaacg | tattgccaca  | tcccttggag  | tgtcaactcc  | 730200 |
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| gcaccgcagg | ttgtgtgcc  | cttccgaagc | taccaccgta  | cctgccgaca  | atgccgcaag  | 730320 |
| tatcttcact | ccaagtccct | gtcgggcttc | cggacgcatt  | ttcatgtcca  | cttcgtcaaa  | 730380 |
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| cagatccatt | tcccgtggat | tggtatttgt | tcgtatcgcc  | atagtccggt  | gtgtagtctt  | 731700 |
| ttgttagttg | tttttctatg | cttctccggt | ttccatcgca  | gcttcaagtt  | cagcatcttt  | 731760 |
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| cgctattcaa   | atattttaatg | gtgttgactt  | atgtgtgaag  | ggctgccgca  | cggtttcttt  | 732000 |
| ctccgctttt   | tttctgttca  | ttccacagtt  | cttctgtgta  | ctcctcttcc  | ggtacatagt  | 732060 |
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| attcacgttt   | gtcacgctct  | ttccattttt  | gtccgtcacc  | ggaacagaat  | cggatgccgg  | 732180 |
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| gatctccgtg   | ttgcatactc  | tttattttcca | ccgtctccag  | acgcagctct  | tctgcaagaa  | 732300 |
| cctgaagggt   | gcgcccgatg  | atgggtgtgg  | gtactgacat  | tacctgggtt  | gtacccggat  | 732360 |
| caatctgcac   | gaaagccttt  | ccgtgtctgc  | cgtcagcctg  | tattacatct  | gcaatgatgg  | 732420 |
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| attttatcct   | tgtaatcata  | ttctaataat  | aaaataatca  | tatttttaatc | agatagtttt  | 732900 |
| gctgaaattg   | gagctgttat  | tttatctcca  | ttatctttgc  | ttcatgagaa  | aattttatatt | 732960 |
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| ttaaagaggc   | cgtttatttg  | aagacagcct  | cttttagata  | aacttacata  | cgttttttct  | 733860 |
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| cttacaggca   | gccttggcga  | ggtttatcgc  | tgcaagtgat  | gcattaaagt  | ggaatgccag  | 734160 |
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| agccaggctc   | acaaagcggt  | tgagtgcctt  | ggagtatgct  | ttcagtcctg  | aaagtttacc  | 734400 |
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| tacggcatca   | ttcctgaaac  | ggcttattac  | gtggaaaccg  | ttatcgta    | atggtttgat  | 734580 |
| gaaagttgcc   | tttgaaaaga  | acgcatcaca  | cacgactgtg  | ccagaaatac  | gtttcagctg  | 734640 |
| ttcctgtatg   | ctgataaggt  | aagagctgta  | ccagtcaaca  | agattcttct  | cacagctttc  | 734700 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cagcgttgcg  | ttgtcaggtg  | tctgtacaga  | gccc aaagtc | atacattcat  | ggttgtcaac  | 734760 |
| gtctataact  | ccaataccgg  | ttatttccag  | tccacgtttg  | tattcaccgg  | cacaaccgga  | 734820 |
| ccagaaaatag | ccaatccacg  | gcgttttgct  | gcctgatttt  | ggaatgaaag  | acggatcaac  | 734880 |
| ggctatcgcc  | ttgcgaccac  | ctttaaggtg  | ttccctgatg  | atggcttcat  | tgaaggaaaa  | 734940 |
| ccagtcaaag  | ccgtcgttct  | caaaattggt  | gcggtatgtc  | tgttccgaga  | aacatccata  | 735000 |
| ccgtcccatt  | tgtaggaaat  | tgatgcggtc  | aggtatagcc  | atgaataatt  | tcattgcatc  | 735060 |
| catgaatact  | ttctgaaaag  | atttgcttat  | atttacagct  | gattcgagag  | cgtttctgca  | 735120 |
| ctcggattgg  | tattgcataa  | ggagtgattc  | tttagtcata  | attaaaagtg  | gtgaagtact  | 735180 |
| tctaatttac  | taaaaatcag  | tgaattatga  | aatacttttt  | ctggtgattt  | tcagctgttt  | 735240 |
| agcatatctt  | tttcatccct  | tttcttactc  | cttgacgatt  | tattcttgac  | agtatttcaa  | 735300 |
| tgatctcttg  | aatataatth  | tgaaccggat  | tatgccgatt  | ctatgtttta  | ttttaattta  | 735360 |
| tcggtaaaaa  | tttaccgaag  | tattgattta  | tatcttattg  | ttatagaaaa  | ttctcgtcgg  | 735420 |
| tctaaaagat  | ttttttgata  | tatattataa  | tctcccgaat  | ataagtgtat  | atattctcta  | 735480 |
| ttagtattaa  | gaatgtcact  | tcctcttaat  | tcaaggctta  | aagcatcttt  | aaagaaactt  | 735540 |
| tttctaagtg  | aaagatctat  | acttctgtt   | gggtgttcca  | tatatatatt  | ttgatatgaa  | 735600 |
| cctttacttt  | gaatacttgc  | atctaactct  | aaaataaatt  | ctaattggtta | ttcaaaagtg  | 735660 |
| ttattaaagt  | tggcaatata  | tataggtgag  | gacattttat  | atggaatacc  | aaaattttct  | 735720 |
| actgttagcc  | attgtttctt  | aagtccaagt  | ccaataacag  | gtgaccagca  | tccaattttc  | 735780 |
| ggtgaagctg  | atatgtatgc  | agttaatgct  | ggtattgatt  | tatcccaatt  | tcgatatccc  | 735840 |
| agtaaggttt  | gagaaccatc  | ttcattttat  | aaatctcccc  | aataataaat  | ccaattcttt  | 735900 |
| gtttgattgt  | aagatatact  | aaataaaatc  | catttccata  | ttgtcgcaaa  | tgaaatatcg  | 735960 |
| tgtataagtg  | tatatcgcaa  | agttggattg  | cctttctgta  | aagtgaagcg  | gtctaaataa  | 736020 |
| ttaacattgt  | tgcttaattg  | acggtaaaga  | ggccttactg  | tttttgctgt  | ataactaagt  | 736080 |
| tgagtttgta  | ttttgccc aa | tttgcttgac  | aatgatatat  | tgggaaatat  | attattaaat  | 736140 |
| attcgacttt  | ggtcgtcaat  | atgtttttca  | ttctcaaaat  | aatcaaatct  | tatgtttctca | 736200 |
| tatctaaggc  | ctgctgataa  | tctgccccat  | gcgaatttat  | aatttatatt  | agcaaaacct  | 736260 |
| gctaaattta  | attccttaat  | tttactaaat  | gtgagaggga  | cataattttc  | ttggttttata | 736320 |
| taatcatcat  | ttctgtgggt  | atatgtcatt  | tcagtaccaa  | tagctaattg  | gctattacct  | 736380 |
| agtggaaatg  | aaataatcaa  | ttttccagca  | gctaattctat | tcttgacatt  | gcctaataaa  | 736440 |
| ttaacattcc  | tgttttcata  | attatcacta  | atctcttggt  | taaaagaatt  | ttttttactt  | 736500 |
| ccattttgaa  | tgtaatctgc  | gttgaaatca  | aggttggcaa  | cacctatttg  | tgcaattata  | 736560 |
| tacacattta  | actcatgagt  | taaatcatat  | ttagtactat  | tattcaatac  | ttcggtaaat  | 736620 |
| ttttaccgat  | aaattaaaat  | taaacataga  | atcggcataa  | tccggttcaa  | aatttatatt  | 736680 |
| aagagatcat  | tgaaatactg  | tcaagaataa  | atcgtcaagg  | agtaagaaaa  | gggatgaaaa  | 736740 |
| agatatgcta  | aacagctgaa  | aatcaacaga  | aaaagtattt  | cataattcac  | tgattttttag | 736800 |
| taaattagaa  | gtacttcacc  | acttttaatt  | atgactaaag  | aatcactcct  | tatgcaatac  | 736860 |
| caatccgagt  | gcagaaacgc  | tctcgaatca  | gctgtaaata  | taagcaaata  | ttttcagaaa  | 736920 |
| gtattcatgg  | atgcaatgaa  | attattcatg  | gctataacct  | accgcatcaa  | tttcttacia  | 736980 |
| atgggacggg  | atggatgttt  | ctcggaaacg  | acataccgca  | acaattttga  | gaacgacggc  | 737040 |
| tttgactggg  | tttccttcaa  | tgaagccatc  | atcagggaac  | accttaaagg  | tggtcgcaag  | 737100 |
| gcgatagccg  | ttgatccgtc  | tttcattcca  | aaatcaggca  | gcaaaacgcc  | gtggattggc  | 737160 |
| tattttctgg  | ccggttgtgc  | cgggtgaatac | aaacgtggac  | tggaataaac  | cgggtattgga | 737220 |
| gttatagacg  | ttgacaacca  | tgaatgtatg  | actttgggct  | ctgtacagac  | acctgacaac  | 737280 |
| gcaacgctgg  | aaagctgtga  | gaagaatctt  | gttgactggg  | acagctctta  | ccttatcagc  | 737340 |
| atacaggaac  | agctgaaacg  | tattttctggc | acagtcgtgt  | gtgatgcgtt  | cttttcaaag  | 737400 |
| gcaactttca  | tcaaaccatt  | gtacgataac  | ggtttccacg  | taataagccg  | tttcaggaat  | 737460 |
| gatgccgtat  | tgttttatcc  | caccttagaa  | aataggacag  | gaaaacgcgg  | acgtccaaaa  | 737520 |
| ttacatgacg  | agaaaattga  | ctttgaaaaat | ctggacatca  | caagatgtac  | cgagtacaaa  | 737580 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| gtgaacaagg  | gtaaacttta | cggactgaaa  | gcatactcca | aagcactcaa  | acgctttgtg  | 737640 |
| agcctggctg  | tatggtaccc | catggatgga  | agaacggaca | aatggcagct  | gtattttctt  | 737700 |
| acaaacgaaa  | tacagaacgc | acaggatgtc  | ctggactttt | acagaacacg  | tttccaactc  | 737760 |
| gaattctgct  | ttcgggatgc | caagcaacat  | gccggaatag | caaactgtca  | gtctacagac  | 737820 |
| ttcaggaaac  | tggcattcca | ctttaatgca  | tcacttgcag | cgataaacct  | cgccaaggct  | 737880 |
| gcctgtaaga  | agatgggaat | aaaatattcc  | atatcatcat | gcaagtcagt  | catacacaat  | 737940 |
| gcttacatgc  | ttgaacgatt | tatttgcgtg  | tctgggattg | aaccaaacac  | gcaattaatt  | 738000 |
| gacaaacttt  | tcaaagaact | cattttat    | actgccagag | ccgcttaggc  | tgggctaatt  | 738060 |
| tttaacgaac  | tattgattat | tatcttcgga  | gtttatatta | tcataatatct | tatcattttac | 738120 |
| aaatattgag  | gtatttgttt | gcgaccaagt  | tttatccacc | aaatcttttc  | ctagcttgta  | 738180 |
| ttttactcct  | aaatattgat | tttcttcaat  | ttgtaaattg | aatcctattg  | aactgttttag | 738240 |
| caattttgat  | aatgattctg | atgatgtatt  | tgtgttatga | gtccataatt  | gtgttccttt  | 738300 |
| tttcagtaat  | attatatcac | tattgtttta  | tgaagccatt | ctattatagt  | ttatggttcc  | 738360 |
| gaaaaatatca | aaatttttat | gtctataatt  | aatattggct | tgttcaatta  | aatcaacatt  | 738420 |
| attagattgg  | taataacttg | agcgcagatt  | aaatccaatc | ccgtcacctt  | ggcgttta    | 738480 |
| agtttggata  | cgcacaactg | ctttggctgt  | cgcatacatc | cttgatcctg  | gattatttat  | 738540 |
| aattttctaca | ctttttatat | catctgagtt  | aagtgtttca | agttcactta  | aatcacgtat  | 738600 |
| tttctacca   | ttacataaa  | taagtggtag  | tccttttcca | aatacttcaa  | aattgtctcg  | 738660 |
| aacttttatt  | attcctggta | ttttccctaa  | tacatcattg | gcagagccta  | ttttacttaa  | 738720 |
| gatactattc  | tcaacatttg | taagaatgga  | ttctccttta | atttgagtta  | taggcagatt  | 738780 |
| cgtttttacg  | attacctcat | ttaattgttg  | agtagaaggt | gaaagctcaa  | tagttcctat  | 738840 |
| attatctgaa  | tttacttcgc | tatatatagt  | tttatatccc | acggaggata  | ttctaattat  | 738900 |
| ttgtttttta  | gtggtcgtcg | ctaattgtaa  | cattccatta | ttatcactta  | ttgtaccagc  | 738960 |
| gacaaaagt   | gaatcaggta | aagataatag  | tactatattt | acaaattgaa  | atgggtctttt | 739020 |
| gttttcgtcc  | actatttttc | ctttcaatat  | ttgtgcaaaa | atgcttattg  | gaaaaaaaaa  | 739080 |
| gcaataaaca  | ttattgatac | tattgcttta  | gctctcttat | ccataatttt  | atatttttagt | 739140 |
| taaaactgaa  | ttttgatatt | tcacaaatat  | agcaataaag | aaatcgattg  | aacaataatg  | 739200 |
| tctttttcta  | atttctgaaa | gacgtaaata  | tatgttcaat | tatagtatcc  | ccatgactat  | 739260 |
| atggatatgg  | gaaaaaaaaa | agaaccccca  | agagtgttat | aagtattatg  | ataattaata  | 739320 |
| ttataccagc  | attaacaaga | gaagatggta  | tattttccat | tatcttttga  | actttttctg  | 739380 |
| atcgtagttc  | tattctgtta | ttgtcaattt  | tcttttccat | aattagtttc  | caagttctaa  | 739440 |
| ttgattttta  | acaagattat | aataaaaagca | ttttttatca | attaaagttt  | gatgcttacc  | 739500 |
| tattttctact | atttttccag | aatctagaac  | aataatttgg | tctgcgtttt  | ttactgtact  | 739560 |
| aagcctgtgt  | gcaactacta | caactgtacg  | tcccttgtaa | aaattatcca  | aattttcaac  | 739620 |
| tatttgtttt  | tcgttttttg | catctaaggc  | atttgttgct | tcgtctagaa  | aaataaaaatc | 739680 |
| aggattttta  | tatacggctc | tagctattaa  | aatacgttgt | ttttgtcctt  | gacttaagcc  | 739740 |
| aactccatca  | tgtccaattt | gtgtattata  | ttttaatggc | aaggacataa  | tataattgtg  | 739800 |
| tatatttgca  | attgaagcag | ctttttctaa  | gcgttctatg | tctatatctt  | catcattaac  | 739860 |
| agcaatgttt  | cttgctatag | attcagagaa  | tataacgcca | tcttgcatga  | ctactccaca  | 739920 |
| atgcctacgc  | caccatttca | tgttatactc  | attaatattt | ttatctgcaa  | gtctaataga  | 739980 |
| ccctcctgac  | acaggataat | atccaagtat  | caattttata | agagtgggtt  | taccacttcc  | 740040 |
| agaggctcca  | acaattgctg | ttactttgcc  | tttaggaatt | tctaataaaa  | tattatccaa  | 740100 |
| tgtctttttt  | aaagcgtgag | gatcgtat    | aaaatcaaca | ttttccaccg  | ttatagaaga  | 740160 |
| attgggatta  | ttatattctg | tcatacaaat  | tgtgttattg | tcttcattgg  | tggtagtatg  | 740220 |
| aatctcattt  | attctttcca | atgaaatttt  | aacatcttga | agagaatata  | taaagttcat  | 740280 |
| taattgttct  | actggagaat | ttaattgccc  | aataatatat | tgaatagcta  | acatcatacc  | 740340 |
| taaggtcatt  | tggccattta | taactgatgt  | agcagctaga | actgttatga  | gtatattttt  | 740400 |
| tatttcatta  | ataaatatgc | ttcctgcttc  | ttgagtttgt | tgaagtttta  | gagattgcat  | 740460 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| ttgtactgaa  | aataaatcgg | cttgtacgtc  | ttcccattcc  | catcttcttc  | gctgctcaca  | 740520 |
| atcctgcaat  | tttatctctt | gcattgtcgt  | aataaattga  | taggttttat  | ttttatttat  | 740580 |
| tgcttggtgt  | tcaaacaaca | tataatcaag  | tattttccta  | cgatgaagaa  | aataaataat  | 740640 |
| ccataatcca  | tatagtgtac | taccaaggaa  | aaagattccg  | aatatcatcc  | tattatatac  | 740700 |
| aaagagaaca  | atgccaaaga | ttataaaact  | aagcattgaa  | aacatcatgt  | taagaacttg  | 740760 |
| acttgtaaga  | aaagactgta | ctcgcgaatg  | atcgttcatg  | cgctgcaata  | aatctcccat  | 740820 |
| caattttgta  | tcaaaaaacg | acataggtag  | ctttaagagc  | ttaatgaaga  | aatcacttac  | 740880 |
| taaagaaatg  | ttaattcgca | tgctaatatg  | taataataac  | catctacgaa  | tgaaatctat  | 740940 |
| agaagtctt   | ccaatagtta | tcatacaattg | tccaagtaaa  | ataagccaaa  | tgaagcctat  | 741000 |
| attctgggtg  | ttaatgccta | tatctacaat  | tgcttggtga  | agaaaaggta  | aaaataattg  | 741060 |
| taataaacia  | ccaagaatta | atccaatgat  | aatttgacca  | aaatatTTTT  | tatatgtact  | 741120 |
| aaagtatcca  | aataaaaaag | caaagtgcg   | tttattttta  | atttgaacac  | tttccttttg  | 741180 |
| ataaaaaata  | ggggttggtt | ttaaaatcat  | cgctatacct  | ttttcttcat  | tattggatat  | 741240 |
| tgtgctgata  | caatgttctt | ttaacttttc  | taaaggatag  | gtcaataagc  | cttttcctgg  | 741300 |
| gtctgcgata  | taaaatgttt | ttcctttttac | tttataaagt  | acaacaaaaat | gattctgatt  | 741360 |
| ccaatgtaaa  | atgcaaggaa | gctcaatttt  | tgataaattc  | tcaatcttta  | attttccaca  | 741420 |
| tattgtatga  | aatcccaaat | tctcagcagc  | ttcacttatt  | cctaacatag  | aaacaccttc  | 741480 |
| agccgttgca  | aaacaaaatt | gagataaagc  | atctaaggag  | aattctttgc  | cataatgttt  | 741540 |
| acagatcatt  | tgtaacaag  | tgatgccgca  | ttgcatagaa  | tcatgttgct  | gataaaactt  | 741600 |
| aaacatatata | aacttataat | tttaggaaa   | actattggaa  | atacaaattt  | aacatatattc | 741660 |
| attaaactct  | cattgcacta | caataataat  | tgttcataga  | gaatataatt  | catcatttag  | 741720 |
| taattgaata  | aataaagatt | tgaaagttag  | aataattttac | tttttgttac  | agtaagaaac  | 741780 |
| atgtgtataa  | aaactttggc | cattataaat  | cggtttttaa  | cgacaatttt  | tcataccaca  | 741840 |
| aatcttatta  | ttcttacaat | ctttacatcc  | ttcaattttc  | cctagtgttg  | tttttcctct  | 741900 |
| aaatatgtac  | catttatctg | ataaccatat  | gtctgataag  | gattctgttt  | tgagattccc  | 741960 |
| catattaaat  | tcactaaatc | catttcata   | aacacaagga  | taaacatcta  | gattttcgtc  | 742020 |
| aattgatata  | gaattattgc | ctgctgcaca  | taccaatggt  | gtatcattag  | atattggagc  | 742080 |
| atcatttttt  | atggtatact | cctctgataa  | taaggcatca  | tctgataatg  | taatttttcc  | 742140 |
| attaccataa  | agattaacta | acttttccac  | ccgattttat  | acatccttat  | actctgtgtc  | 742200 |
| tgataaaaaa  | atgttatcat | ttgttttagc  | tcgtccaagc  | ggcttttaatt | gattttataaa | 742260 |
| tactctttga  | acaccaagtt | cttcaatagc  | aaattttgag  | agttcttcaa  | tttctaataa  | 742320 |
| attaattcta  | tttacagaca | ttgtaatgct  | aacattagct  | tttgcttttt  | tttaattcata | 742380 |
| aagtttttgc  | attaatatat | caaaagccc   | tttacctcgt  | aaaaaatcat  | gactttgttt  | 742440 |
| tttatatcca  | tctaaagata | ttcctaattt  | tatagcacct  | tctgaaatta  | tatctataag  | 742500 |
| ttcttcatct  | agaagcatag | cattcggtta  | tatgatacat  | tcgaatcttt  | tattggatat  | 742560 |
| ttcttttaga  | atatctttta | tgtttgata   | tgtaagtgg   | tctcctccag  | taatttttaa  | 742620 |
| agttcttaca  | ttcagtaagt | ccatttggtt  | gaatacgttg  | aataaatctt  | ccaaagcaat  | 742680 |
| ttttccattt  | tttatagttg | gagaagcatt  | ttcaaaacag  | tgtttgcat   | ttaaattgca  | 742740 |
| atgctttgtt  | attaaaaaat | ctattctctc  | tggggtatat  | tctgtatatg  | aagatatatg  | 742800 |
| tggtatatat  | ttatatatac | tatctacttt  | ttccattttg  | gaaactggaa  | taaataatttc | 742860 |
| ggagaagtct  | ttattattta | taaattctac  | aagatcatca  | attgcaattc  | cctgttttga  | 742920 |
| aagatatgtt  | aacattatat | ctaagttgaa  | atttccttct  | ttatagaggt  | aaaggaaatt  | 742980 |
| aaagagtttg  | ggcgatatgg | tataaactac  | actctttctt  | ttattataaa  | gtatatattt  | 743040 |
| attatttgct  | tttttcctta | aaagataatc  | ttttgaaagt  | atttgatatt  | gactcataat  | 743100 |
| aatataaatt  | atttttcgat | tataatttta  | gggtatacta  | aaaacaatac  | ttcggtaaat  | 743160 |
| ttttaccgat  | aaattaaaat | taaacataga  | atcggcataa  | tccggttcaa  | aatttatattc | 743220 |
| aagagatcat  | tgaaatactg | tcaagaataa  | atcgtaagg   | agtaagaaaa  | gggatgaaaa  | 743280 |
| agatatgcta  | aacagctgaa | aatcaacaga  | aaaagtattt  | cataattcac  | tgatttttag  | 743340 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| taaattagaa  | gtacttcacc  | actttttaatt | atgactaaag  | aatcactcct  | tatgcaatac  | 743400 |
| caatccgagt  | gcagaaacgc  | tctcgaatca  | gctgtaaata  | taagcaaatac | ttttcagaaa  | 743460 |
| gtattcatgg  | atgcaatgaa  | attattcatg  | gctataacctg | accgcatcaa  | tttcctacaa  | 743520 |
| atgggacggg  | atggatgttt  | ctcggaaacag | acataccgca  | acaattttga  | gaacgacggc  | 743580 |
| tttgactggg  | tttccttcaa  | tgaagccatc  | atcagggaac  | accttaaagg  | tggtcgcaag  | 743640 |
| gcgatatccg  | ttgatccgtc  | tttcattcca  | aaatcaggca  | gcaaaacgcc  | gtggattggc  | 743700 |
| tattttctgg  | ccggttgtgc  | cgggtgaatac | aaacgtggac  | tggaataaac  | cgggtattgga | 743760 |
| gttatagacg  | ttgacaacca  | tgaatgtatg  | actttgggct  | ctgtacagac  | acctgacaac  | 743820 |
| gcaacgctgg  | aaagctgtga  | gaagaatctt  | gttgactggg  | acagctctta  | ccttatcagc  | 743880 |
| atacaggaac  | agctgaaacg  | tattttctggc | acagtcgtgt  | gtgatgctgt  | cttttcaaag  | 743940 |
| gcaactttca  | tcaaaccatt  | gtacgataac  | ggtttccacg  | taataagccg  | tttcaggaat  | 744000 |
| gatgccgtat  | tgttttatcc  | caccttagaa  | aataggacag  | gaaaacgcgg  | acgtccaaaa  | 744060 |
| ttacatgacg  | agaaaattga  | ctttgaaaat  | ctggacatca  | caagatgtac  | cgagtacaaa  | 744120 |
| gtgaacaagg  | gtaaacctta  | cggactgaaa  | gcatactcca  | aagcactcaa  | acgctttgtg  | 744180 |
| agcctggctg  | tatggtaccc  | catggatgga  | agaacggaca  | aatggcagct  | gtattttctt  | 744240 |
| acaaacgaaa  | tacagaacgc  | acaggatgtc  | ctggactttt  | acagaacacg  | tttccaactc  | 744300 |
| gaattctgct  | ttcgggatgc  | caagcaacat  | gccggaatag  | caaactgtca  | gtctacagac  | 744360 |
| ttcaggaaac  | tggtattcca  | ctttaatgca  | tcacttgcag  | cgataaacct  | cgccaaggct  | 744420 |
| gcctgtaaga  | agatgggaat  | aaaatattcc  | atatcatcat  | gcaagtcagt  | catacacaat  | 744480 |
| gcttacatgc  | ttgaacgatt  | tatttgcgtg  | tctgggattg  | aaccaaacac  | gcaattaatt  | 744540 |
| gacaaacttt  | tcaaagaact  | cattttatct  | actgccagag  | ccgcttaggc  | tgggctaatt  | 744600 |
| tttaacgaac  | tattgttcct  | tatatatagg  | tactaaatta  | aactgaatta  | tatagagggc  | 744660 |
| cgcgcgtggg  | attttttaatt | ccaaacatta  | ttatgattta  | tgtaatatgt  | aagaataacc  | 744720 |
| ccattatcgg  | gaataatcat  | atttgtgaca  | taaaaagatt  | attttttaact | ccaagggtat  | 744780 |
| tctagaaaac  | agtgcacctt  | tgttcttgca  | actccatata  | aatgtttgca  | gctttacatt  | 744840 |
| ctacttctcg  | aaagaataga  | ttctttgttc  | tgatttttcc  | tgaatacaat  | ataaatttta  | 744900 |
| tttcaccttt  | acaaacttca  | attcgatgat  | ccggatataa  | acttaatgtt  | tgatgaatag  | 744960 |
| gatcagaatt  | tacgtcaagc  | attaattgcc  | gagtttcgta  | gtcaagggtt  | ataattgtct  | 745020 |
| tgaagatatt  | atattcttta  | tcccagcata  | tagttgtact  | tgaaaattat  | gcattgctta  | 745080 |
| taaattttacg | aactgatgat  | tattcaatgg  | aagtgtgaagc | caagaaacga  | tttttttttc  | 745140 |
| gtataattgc  | tctatctttt  | tttggggctt  | tttattccta  | ttcttagctc  | taaaaagcat  | 745200 |
| cgttataaga  | tgcccatatt  | tgtaccaaga  | tacgcataac  | taattgattt  | acagtgtgtg  | 745260 |
| ttacttttga  | ggaagttaaa  | taatatcggg  | aaataaacga  | taaacatcca  | taagaaaagg  | 745320 |
| tgtggaaatc  | agacgattcc  | acaccttttt  | ttgttggtat  | atttgggtgt  | tttctatcta  | 745380 |
| tgtttattgt  | ttttttatgg  | cttattttgta | ccacaacaaa  | ttagtagata  | atgtgcaaca  | 745440 |
| aacaatcata  | taaatcattc  | aattacagta  | tattaagatc  | ttaattagac  | accgcatttt  | 745500 |
| aatggcatat  | tctttacgcc  | ttcttagtaa  | agaatagctg  | aataaagtta  | gattgttctc  | 745560 |
| caaattctaa  | ttaattttac  | tctttctcct  | gcttaattac  | ttcatatatc  | atttgataag  | 745620 |
| cctatatattg | atattaattt  | acgcttataa  | ctattttata  | ttcaattatt  | tattaggtaa  | 745680 |
| ctttacattt  | tacgcagtgg  | aattttttat  | tgctttttaca | atgagatcat  | aatttttcgat | 745740 |
| aaaaacgaaa  | ggtttcttag  | tacaaaacac  | ttcataatac  | cttaataatc  | gtcttcttgt  | 745800 |
| aaagaactaa  | tagcagacaa  | actgtaagta  | agcattgtat  | gtcgctttat  | ttttccttct  | 745860 |
| gttttgccta  | actgctacca  | tctttatatt  | tctgtcatgg  | atgcaacaaa  | gaacaaccaa  | 745920 |
| gtaaagctga  | acggaaaaat  | acgttaatcg  | cttacaatag  | agaggaatat  | ttttcagttc  | 745980 |
| atccctatga  | ttgtcaatcg  | gcattatcag  | aattgtgacg  | ggcagggtatt | ttcgcaataa  | 746040 |
| aataactctg  | cctagggtgt  | acagctgaat  | ggtgaaacat  | gggataaaaag | agttctgttt  | 746100 |
| ataacaggaa  | agtgatatgc  | aatatagaaa  | gaaacgagaa  | aagctgatga  | tttttttgta  | 746160 |
| aaacagaaaa  | aatgtgttac  | ttttgcagca  | acatgcttac  | cccgtttccc  | ataagaacag  | 746220 |

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| ttatcccaag  | catctcatat  | cttttatcgg  | ccagataaac  | ctgctcaaac  | aaagaggaat  | 746340 |
| ggttttcgga  | gatgagccaa  | aagccctaca  | cttggtgcag  | aatatcagtt  | attatcgtct  | 746400 |
| gagcggttat  | tggatcctc   | ttctggctga  | caaacaacaa  | catattttca  | aaccgggcag  | 746460 |
| tacatttgaa  | acagcctata  | atatttataa  | gtttgacagt  | gaactccgaa  | aactgattat  | 746520 |
| tgcagagatt  | gaaaagatag  | aggtagcagt  | acgtacgcag  | acagcatata  | ttctttcttc  | 746580 |
| gcagtacggt  | gcatattggt  | ttgaagattc  | ctcgcttttc  | tcaagccccg  | ttcgacatgc  | 746640 |
| aaagttattg  | tcaaaaattg  | acgaagaata  | cagccgcagc  | gatgaagagt  | tcataaaaagc | 746700 |
| gttcaagacg  | aaatattcca  | accattttcc  | accaagctgg  | ataacaatgg  | aaataacctc  | 746760 |
| attcggaaca  | ctctccatat  | tgtacgaaaa  | tttgttacca  | ggaaagacca  | agcgttccat  | 746820 |
| agccgcatac  | tttgggctgg  | ctgataaggt  | tttcgcatca  | tggttgcata  | gtgttggtga  | 746880 |
| cgtacggaat  | atctgtgcgc  | accacagccg  | tttgtggaac  | aaaactttta  | gtatccgtcc  | 746940 |
| attgatgcca  | cgctctccgc  | gcaatacttt  | catcaaattg  | ccagctaacg  | gcacaccgca  | 747000 |
| gatctatttt  | gtattaagca  | tgattatata  | cttgctgaat  | acgatcaatc  | caaaccattc  | 747060 |
| gtttgttttg  | aggttcaaag  | atcttttgaa  | ccgttatccg  | tcaattgaca  | tccatgccat  | 747120 |
| gggattttcca | gacgattgga  | agaatgagag  | tctttggaaa  | gactgaaagt  | gaaataactt  | 747180 |
| tcataacaca  | ctgacaattg  | agtaagccca  | gtgtcgtttc  | atcttatcta  | ttattcaatg  | 747240 |
| taattggtag  | tagcctaatt  | atcaaaaaaa  | tcccataatt  | tcgccatgcc  | ttattttgag  | 747300 |
| attcaaaatc  | cattttttat  | agtgtttttt  | acccattttt  | ttgtctctaa  | atagttacgg  | 747360 |
| tataaaatta  | ccatatttgt  | atcatgacgt  | ttgtaacctt  | ttgataatca  | gctaaagtgt  | 747420 |
| ttttagaaga  | ggtaagtaa   | gtaacgataa  | ataaaccttag | gtttcacacc  | ttttttgttt  | 747480 |
| ttatattgtc  | agtcaccaag  | tatttctgtg  | ttcatccgat  | tgagagctat  | cctttcccca  | 747540 |
| aatgttattt  | tgatatcctc  | gctttatgct  | gaaaagacta  | tttattatat  | agaatagcca  | 747600 |
| actttatctt  | tatctgtgat  | tttccttaat  | acacggcaag  | gattttccggc | agctaagaca  | 747660 |
| cctgaaggta  | tgatcatgagt | tacgatacta  | ccggcgccaa  | taacactatc  | atcacctata  | 747720 |
| gtaactccgc  | tgagaattgt  | gctaccgcct  | ccaatccaga  | ctctgtttcc  | tatggtaata  | 747780 |
| ggcttaggta  | ctaaggcacc  | ggctgttcgt  | tctgtgcat   | cgagtgaatg  | attaccgcga  | 747840 |
| tatgcactta  | cattagagcc  | taatagtgtg  | tgattgccta  | ttgttatctg  | tccgcaatca  | 747900 |
| agaagtgtac  | acccgaagtt  | gatatagaca  | tcgtttccaa  | ttgtaatgtt  | tttaccgaat  | 747960 |
| tcgcaggtaa  | agtcgggttc  | catccaaaca  | cgttcaccta  | ctttcttgaa  | gagttgtcgc  | 748020 |
| atgatttctt  | ggcgtcgttc  | aatctcttcg  | tcttcggtgc  | ggttaaattc  | tttaaatagt  | 748080 |
| ttttttgctt  | taactcttag  | ttcaaacaaa  | tcaggatcaa  | aatcattgta  | gatttgatgc  | 748140 |
| ttctgcattt  | tatcccatgc  | tgtcatattc  | aattttgctt  | tgagtaagta  | attaaaatat  | 748200 |
| tttatgttct  | gaacaaaata  | ttatagtttc  | atatagctat  | atcccatttc  | tatcagtatc  | 748260 |
| catgtagaaa  | gaataatcct  | tctgcgtaat  | gataaatgtg  | atggttattc  | gattaatcta  | 748320 |
| tcattcctaa  | tctttttgct  | ttatgacacg  | cctcgatggt  | gttattttact | cgtagtttgg  | 748380 |
| ttatgatatt  | ctgtctatgg  | cggctctacag | tatgttttact | gatttttcaat | tgctctgcaa  | 748440 |
| tcgttttact  | ggatgttcca  | gtttgtatca  | tttgcaatat  | aattttttcc  | cgagcagaaa  | 748500 |
| gaagttgatt  | ctcgtccgtc  | agaaggattt  | ttctctctcc  | cgatcatcgta | tttatcaaat  | 748560 |
| aagcagcttc  | gctattttcg  | gatgtcaaat  | tatataagca  | gagagaataa  | cttattcctt  | 748620 |
| gttgtccgtt  | gcctgagaag  | taaaagatac  | gatgcttcca  | atagtggaa   | ttaccatctt  | 748680 |
| ttccacacat  | tcgcatcgta  | ttttcaaggt  | accatgagaa  | tgattctttt  | gaatgagatg  | 748740 |
| aagatatctt  | acggaaaaaa  | agttaattct  | tgcaggcatc  | gctttttcca  | gtcatccgga  | 748800 |
| tgaattcgat  | tgtaaattct  | ttcctcccat  | acagaatcaa  | ccgtctgaat  | ggtgtttggt  | 748860 |
| ttacctaatc  | ccaatatact  | gcaagactta  | ccgaaaaaaa  | tatggctttt  | ccctatacgc  | 748920 |
| aaattactta  | atacggcaat  | ggagtcttca  | caaataagagt | atgactgcgc  | aataagacac  | 748980 |
| aggcgttggt  | cctcgtcttg  | tgcatatatt  | ccatccattt  | gttggtggaa  | cttttcgctt  | 749040 |
| aatctatcat  | ctatttctat  | catacattca  | agtttacaga  | gtaacaaaag  | tagacaaaag  | 749100 |



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|            |             |            |             |             |             |        |
|------------|-------------|------------|-------------|-------------|-------------|--------|
| tttttcgaac | taaaatgaaa  | tgataatggt | cttgatagtg  | tatgggtata  | aatcagtata  | 749160 |
| ggaaatgttt | ttcttattct  | tttatcaata | cgggtcaatg  | tcccatattg  | atatgtttgtg | 749220 |
| gttagtattt | tctatccttg  | tttagacttt | ttctatgttt  | tatcattagt  | gtccaataaa  | 749280 |
| aatggactag | ttaaaaaaatt | aatcaaatag | tccttcaaaa  | aggggataat  | cgagttcttt  | 749340 |
| gacatcggtg | aaatcagtct  | tatcgaacag | ttcacgcaag  | ttagttttgt  | ccgttagaga  | 749400 |
| gatgcttaga | atctgcaaaa  | cttcataagt | tgagcgcttc  | aattgcatat  | cgtgttggac  | 749460 |
| aatagccact | agacagtaag  | tgatgattgc | tacactgatt  | tgaatgcgga  | cagcattttc  | 749520 |
| cgttgtgccc | cagaatcttt  | ttattttaag | gtgctgcttg  | agccatttga  | agaatagctc  | 749580 |
| gaccaaccat | cttttcttgt  | agagattagc | aacgtccaat  | gcagaaatat  | gtgttgcggt  | 749640 |
| tgtcaggaaa | gtgaactcac  | ggtcaccctc | ttcatcatag  | taacgaatga  | gtcggaaatga | 749700 |
| ctcgggatat | ttcttctctg  | agaggtatcc | ggtcagtttc  | acttcagcat  | ctgtaagtac  | 749760 |
| atacttaggc | atcctacgct  | tccatttaac | cattgtgtat  | ttcaagttcg  | tcttagctct  | 749820 |
| gacaacgaaa | aaggaacctg  | tcaggtgtat | cctatatagt  | tccttaaaaag | agtcataagc  | 749880 |
| cctgtcgaat | atataataag  | catttggttc | ataatggatt  | gaacacatcg  | ctgtagagtc  | 749940 |
| gtgcttcgat | gctgtgggta  | cagtatagaa | ggcaggaaact | tgtgcttcaa  | tgtcatataa  | 750000 |
| gacatgagct | ttgacacctc  | ctttctttct | tcggaacttc  | gcccattgga  | atgtggctag  | 750060 |
| acacaacgga | atagttgttg  | aatcaaaagc | atacttattc  | cctggaatat  | ccaagatgtt  | 750120 |
| ggtcgctcgc | ttttcacaag  | cttccttcat | tatatagaat  | gcgaagtctt  | caaagattct  | 750180 |
| gtagtcacga | ttctgattag  | cataagcgag | ggtaggcttg  | gctattggat  | tgcgtcccag  | 750240 |
| accaagatga | tattgcttgg  | cttgatgcgc | ttcaaaagct  | acaattaagt  | cggaagact   | 750300 |
| ctcacgattg | ctcagttgtc  | cgaacatcat | agcaagtaac  | tgattccagc  | aggtgaattg  | 750360 |
| tttcacgtag | cgattaccat  | tatacttgcg | aacaaagtta  | ttgaattgtg  | ttctgttcat  | 750420 |
| aaaagcggta | agttgagcga  | atacgtatct | atcttggttc  | ataagcggca  | ttcaatttga  | 750480 |
| ccgctaagct | acgaattcaa  | atccgtttca | ttctaaaata  | ctgcttaaaa  | gactgtatct  | 750540 |
| caacaatttc | aaaggcccat  | taaccaactt | ttattggaca  | gtgggtgatgt | tttatatgta  | 750600 |
| ccatatattg | gtttaaatat  | acattccatg | ccgcaattac  | ggaagattaa  | gggagtacat  | 750660 |
| tattatataa | ttttcttttt  | tcattcagaa | taagaaatat  | tttgatacta  | attatggggt  | 750720 |
| tgaatcttaa | aaaaactatc  | ttttagtgt  | gaaattatct  | taatgtttat  | gctatgaaga  | 750780 |
| aatctctcat | gatgattgca  | ggactgtttt | tttcagtctt  | atctgtagcc  | gggcaaggct  | 750840 |
| tttctatgga | tcgggtgaat  | gccgatttcc | agaaaaagaa  | ggaggcattg  | cctacagggt  | 750900 |
| atttgtttag | tgtcttccgg  | caacagctta | cacaggaaga  | gcgcgacgca  | cttactttct  | 750960 |
| tttatgctta | tatgtcggta  | ggggatatta | ccgattattc  | cgggtgattt  | tatctggaaa  | 751020 |
| atgtacggag | ctcgtgaca   | actcgaaagg | aaaccacatg  | gggtaagaca  | attcccgatg  | 751080 |
| atatttttgt | ccattttgtt  | cttcctatac | gtattaataa  | tgaaaatctg  | gaccgtgcgc  | 751140 |
| gcatggctct | tcacgatgaa  | ttgatgcctc | gtgtgaaagg  | attgtcaatg  | cttgatgctg  | 751200 |
| tgcttgaagt | gaatcactgg  | tgtcatgaaa | aagtgaacta  | tcagcctgct  | gatgcacgta  | 751260 |
| ctagtgtccc | tttggctacc  | gtaaagactg | catacggacg  | ttgtgggtgaa | gaatctactt  | 751320 |
| tcctgggtgc | agctcttcgt  | tcggtaggta | ttcctgctcg  | tcaggtttat  | accccgcgct  | 751380 |
| gggcacatac | cgacgataat  | catgcgtggg | tggaagcatg  | ggttgatggg  | gaatggcact  | 751440 |
| tcttaggcgc | ttgtgaacct  | gagcctgtac | ttgatttggg  | ttggtttaat  | gctccggcta  | 751500 |
| gtcgtggctt | gttgatgcat  | acaaagggtg | ttggttatta  | tcagggaccg  | gaagaggtaa  | 751560 |
| tgcgtacgac | agccaattat  | actgagatta | atattattga  | aaattacgcc  | aagtttgctc  | 751620 |
| cgttgacagt | aactgtgggt  | gatgaacagg | gaaaaacggt  | ggaagggtgca | tgtgtgcagt  | 751680 |
| ataagattta | taactattca  | gaatttttta | cggttcatac  | agttgtaacg  | aaacaggatg  | 751740 |
| gtcaggcaag | tttgtcggct  | ggattgggtg | atatgatggg  | tcttgcaacc  | aaagggtgacc | 751800 |
| ggtttgcat  | tcaaaaagta  | agtttcggca | aggaacgtaa  | tgtgacgatt  | gatctccgct  | 751860 |
| atcgcgtagg | tgaagagttt  | tcatttcctg | tagatttggg  | tccgcctccc  | acaaaaccaa  | 751920 |
| atattccgga | ggttaccctg  | gaacagcgtg | caaagaatga  | tatccgtttc  | aatcaggagg  | 751980 |

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| attctatcag  | aaacgcttat  | gtcgccttctt | tcccggatgc  | ttcagccatt | gaaaagtttg  | 752040 |
| ctggagaaac  | tggctataag  | actcaggata  | ttaccaacta  | tatcgttggt | tcaagaggta  | 752100 |
| attatgcaga  | aattatgaat  | ttcttgcaga  | atgcagctaa  | aaagaactat | gcatcacgtg  | 752160 |
| cacttcagtt  | actggctaca  | ctttctgaaa  | aggacttgcg  | cgatacgctt | gaagctatat  | 752220 |
| tgaatgacca  | tctgtataat  | acagatctct  | cggctgatgc  | taccaaggta | cttgctccgc  | 752280 |
| gtattgccgg  | tgagatgttg  | actgcttatc  | gttcgttctt  | ccagaaagaa | atttcgaaga  | 752340 |
| aagatgctaa  | acagttctgt  | gccgatccaa  | atgtcttggc  | tgaatggtgc | cgtaagaacc  | 752400 |
| tcacattgcy  | tgatgatttg  | tgctgtgtgg  | gaactttcat  | ttctcctgaa | ggcgtatggc  | 752460 |
| gtagtcgtac  | agccgaccgt  | gtatcacgtg  | atatcttttt  | tgttgcgcta | gctcgttcgt  | 752520 |
| tgggtattcc  | ggcatggata  | gatggagtta  | caggaaatgt  | attctatcag | aagaacgggt  | 752580 |
| cggatattca  | actggatttt  | gaaagtgggtg | tttctggagc  | tgctgaaacg | ggtcagttgc  | 752640 |
| aattgagtta  | ttcagctatt  | ccgcagctgg  | atgatcctga  | atatcttcgt | catttttagcc | 752700 |
| tttctaaata  | caatggaaca  | ggatttacct  | tggtgaatta  | tccggatttt | gctaaatgga  | 752760 |
| gtgctttatt  | caaagacgct  | tctccgttgg  | atgaagggtta | ttatatgatg | gtatcaggta  | 752820 |
| gtcgccttagc | cgatggcggg  | gtattgggac  | aagtttcttt  | cttcaatatc | cgaaaagggtg | 752880 |
| aacagaccag  | tggcgaatta  | ctggtacgtg  | ataacacaga  | agctgttaag | gtcattggta  | 752940 |
| atttttgattc | tggatcgaaa  | tttgtgaatg  | ccgaaacagg  | tgaagaaaca | accgtcttga  | 753000 |
| agtctgcggg  | tcgtggcttg  | ttcgtactag  | ctatttttggg | agtaggtcag | gaacctaccg  | 753060 |
| accatacatt  | gaaggataatc | gcagtgaagg  | caaaagaatt  | tgatgcttgc | ggacggaaga  | 753120 |
| tgatattggt  | attcccaagt  | cgtgctgctt  | atgaaaaata  | cttgacggct | ccggctccag  | 753180 |
| ggcttctctga | acataattgtc | tggggatttg  | atactgatag  | taagatacaa | aaacagttgc  | 753240 |
| tggaggcatt  | gaatctggaa  | gctaatacac  | agttgccaat  | atttattatc | ggtgatacat  | 753300 |
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| agacgttttt  | ttaatatatt  | gcaacaaagc  | tcgataaaaa  | aataatctga | taataccata  | 753540 |
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| gctaaatgtg  | atttatagat  | gctatttctt  | tgattattag  | tatagttaca | attgttcgtg  | 753660 |
| ctaataattg  | acattgttaa  | taaagattaa  | tagtgtaaat  | atattaaagg | ttttataaat  | 753720 |
| aacaataactt | cggtaaattt  | ttaccgataa  | attaaaatta  | aacatagaat | cggcataatc  | 753780 |
| cggttcaaaa  | ttatattcaa  | gagatcattg  | aaatactgtc  | aagaataaat | cgtcaaggag  | 753840 |
| taagaaaagg  | gatgaaaaag  | atatgctaaa  | cagctgaaaa  | tcaacagaaa | aagtattttca | 753900 |
| taattcactg  | atttttagta  | aattagaagt  | acttcaccac  | ttttaattat | gactaaagaa  | 753960 |
| tcactcctta  | tgcaatacca  | atccgagtgc  | agaaacgctc  | tcgaatcagc | tgtaaatata  | 754020 |
| agcaaatctt  | ttcagaaagt  | attcatggat  | gcaatgaaat  | tattcatggc | tataacctgac | 754080 |
| cgcatacaatt | tcctacaaat  | gggacgggat  | ggatgtttct  | cggaacagac | ataccgcaac  | 754140 |
| aattttgaga  | acgacggctt  | tgactggttt  | tccttcaatg  | aagccatcat | cagggaacac  | 754200 |
| cttaaagggtg | gtcgcgaaggc | gatagccgtt  | gatccgtctt  | tcattccaaa | atcaggcagc  | 754260 |
| aaaacgccgt  | ggattgggcta | tttctgggtc  | ggttgtgccg  | gtgaatacaa | acgtggactg  | 754320 |
| gaaataaccg  | gtattggagt  | tatagacgtt  | gacaaccatg  | aatgtatgac | tttgggctct  | 754380 |
| gtacagacac  | ctgacaacgc  | aacgctggaa  | agctgtgaga  | agaatcttgt | tgactggtac  | 754440 |
| agctcttacc  | ttatcagcat  | acaggaacag  | ctgaaacgta  | tttctggcac | agtcgtgtgt  | 754500 |
| gatgcgttct  | tttcaaaggc  | aactttcatc  | aaaccattgt  | acgataacgg | tttccacgta  | 754560 |
| ataagccgtt  | tcaggaatga  | tgccgtattg  | ttttatccca  | ccttagaaaa | taggacagga  | 754620 |
| aaacgcggac  | gtccaaaatt  | acatgacgag  | aaaattgact  | ttgaaaatct | ggacatcaca  | 754680 |
| agatgtaccg  | agtacaaagt  | gaacaagggt  | aaactttacg  | gactgaaagc | atactccaaa  | 754740 |
| gcactcaaac  | gctttgtgag  | cctggctgta  | tggtacccca  | tggatggaag | aacggacaaa  | 754800 |
| tggcagctgt  | atttctctac  | aaacgaaata  | cagaacgcac  | aggatgtcct | ggactttttac | 754860 |

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|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| agaacacggtt | tccaactcga  | attctgcttt  | cgggatgcc   | agcaacatgc  | cggaatagca  | 754920 |
| aactgtcagt  | ctacagactt  | caggaaactg  | gcattccact  | ttaatgcac   | acttgcagcg  | 754980 |
| ataaacctcg  | ccaaggctgc  | ctgtaagaag  | atgggaataa  | aatattccat  | atcatcatgc  | 755040 |
| aagtcagtca  | tacacaatgc  | ttacatgctt  | gaacgattta  | tttgcgtgtc  | tgggattgaa  | 755100 |
| ccaaacacgc  | aattaattga  | caaacttttc  | aaagaactca  | ttttattttac | tgccagagcc  | 755160 |
| gcttaggctg  | ggctaatttt  | taacgaacta  | ttgaaataat  | atatttaata  | tttaattaca  | 755220 |
| tttgtactca  | ttagtgtcca  | ataaaaatgg  | actagttaaa  | aaattaatca  | aatagtcctt  | 755280 |
| caaaaagggg  | ataatcgagt  | tctttgacat  | cgttgaaatc  | agtcttatcg  | aacagttcac  | 755340 |
| gcaagttagt  | tttgtccggt  | agagagatgc  | ttagaatctg  | caaaacttca  | taagttgagc  | 755400 |
| gcttcaattg  | catatcgtgt  | tggacaatag  | ccactagaca  | gtaagtgatg  | attgctacac  | 755460 |
| tgatttgaat  | gcggacagca  | ttttccggtg  | tgccccagaa  | tctttttatt  | ttaaggtgct  | 755520 |
| gcttgagcca  | tttgaagaat  | agctcgacca  | accatctttt  | ctttagagaga | ttagcaacgt  | 755580 |
| ccaatgcaga  | aatatgtggt  | gcgtttgtca  | ggaaagtga   | ctcacggtca  | ccctcttcat  | 755640 |
| catagtaacg  | aatgagtcgg  | aatgactcgg  | gatatttctt  | ctctgagagg  | tatccggtca  | 755700 |
| gtttcacttc  | agcatctgta  | agtacatact  | taggcacctt  | acgcttccat  | ttaaccattg  | 755760 |
| tgtatttcaa  | gttcgtctta  | gctctgacaa  | cgaaaaagga  | acctgtcagg  | tgtatcctat  | 755820 |
| atagttcctt  | aaaagagtca  | taagccctgt  | cgaatatata  | ataagcattt  | ggttcataat  | 755880 |
| ggattgaaca  | catcgctgta  | gagtcgtgct  | tcgatgctgt  | ggttacagta  | tagaaggcag  | 755940 |
| gaacttgtgc  | ttcaatgtca  | tataagacat  | gagctttgac  | acctcctttc  | tttcttcgga  | 756000 |
| acttcgcca   | tggaaatgtg  | gctagacaca  | acggaatagt  | tggtgaatca  | aaagcatact  | 756060 |
| tattccctgg  | aatatccaag  | atgttggtcg  | ctcgcttttc  | acaagcttcc  | ttcattatat  | 756120 |
| agaatgcgaa  | gtcttcaaag  | attctgtagt  | cacgattctg  | attagcataa  | gcgagggtgg  | 756180 |
| ctttggctat  | tggattgcgt  | cccagaccaa  | gatgatattg  | cttggcttga  | tgcgcttcaa  | 756240 |
| aagctacaat  | taagtcgcga  | agactctcac  | gattgctcag  | ttgtccgaac  | atcatagcaa  | 756300 |
| gtaactgatt  | ccagcaggtg  | aattgtttca  | cgtagcgatt  | accattatac  | ttgcgaacaa  | 756360 |
| agttattgaa  | ttgtgttctg  | ttcataaaaag | cggttaagttg | agcgaatacg  | tattttatctt | 756420 |
| ggttcataag  | cggcattcaa  | tttgaccgct  | aagctacgaa  | ttcaaattccg | tttcattcta  | 756480 |
| aaatactgct  | taaaagactg  | tatttcaaca  | atttcaaagg  | cccattaacc  | aactttttatt | 756540 |
| ggacagtagt  | gaatgataat  | tataaataaa  | taacaaagct  | ttttcttggt  | tttttgaata  | 756600 |
| aaataagact  | tgtccttata  | tatatgaaga  | ctatttttcta | actatattaa  | atgttaaatac | 756660 |
| tatgagaatt  | ggtaggtttt  | cacaaatgtt  | tttgttgctg  | atggcctctg  | gatggggagc  | 756720 |
| cgcattgggt  | actcctgcac  | aagtaatgga  | tgcgtctaca  | ttgcaacagt  | cagctaaaat  | 756780 |
| tactactcaa  | ggtacaattg  | tcgacacaaa  | gggtgaacca  | ttgatcggtg  | tgagtattct  | 756840 |
| tgaagtgtgt  | actacaaatg  | gtacgataac  | ggatatcgat  | ggtaagttta  | cgttgcaagt  | 756900 |
| cgttctgtgt  | gcaacattgg  | aaatttctta  | tatcggttat  | aaaacacagc  | aattaactgc  | 756960 |
| aaagccagat  | ttcgggacta  | ttaaaatgtc  | agatgacaca  | gaggtgcttc  | aagaagtagt  | 757020 |
| tgtaacagct  | ttgggtatca  | aacgtgaaaa  | gaaggcattg  | ggatatgcta  | tgcaggaagt  | 757080 |
| aaagggtgaa  | tctttggttg  | ctgctcgtga  | aacaaatctt  | gctaattgcat | tgtctggtaa  | 757140 |
| aatttcaggt  | gtacagggtta | ttcgttctag  | taatggctct  | ggcggttcat  | caaagattca  | 757200 |
| attgcgtggt  | gcaaactctg  | taacagggtt  | gaatcagccg  | ttgattgttg  | tggatggtgt  | 757260 |
| cccaatggat  | aactttacag  | gatctgatgg  | tggtgatggt  | ttctacaatg  | ttgggttgga  | 757320 |
| tatgggtaat  | ggtctttctg  | atatcaatcc  | ggaagatatt  | gaatctatgt  | ctgttttgaa  | 757380 |
| aggtgcatct  | gctgctgcct  | tatatggatc  | tcgtgcaggt  | aatgggtgta  | tcttgattac  | 757440 |
| gactaaaaaa  | ggttctaagc  | gtgaaggact  | tggagtaact  | gtttctgctt  | ccgtatctgc  | 757500 |
| tgaactatc   | tttatgaagc  | cagacttgca  | gacttctttt  | ggccaaggta  | ccaatggagt  | 757560 |
| atatgacggg  | gaaagtactt  | ccagctgggg  | acccgcaatg  | ggcttcgaat  | acaatttcaa  | 757620 |
| cggacaaaac  | cgtgttatgc  | agtattacga  | taatatagat  | tcttatttca  | aaacaggtac  | 757680 |
| aaacttaaca  | gaaagtgttt  | ctttccagca  | gcaatttgat  | aaaactgccg  | tatatgcac   | 757740 |

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|------------|-------------|-------------|-------------|-------------|-------------|--------|
| tgctacacgt | atggatgatg  | ctagtaaaat  | tcctgggtgca | aatctgaatc  | gtacaaactt  | 757800 |
| tacgttgcg  | gcttcttcta  | cttttggtaa  | agatgatcgt  | tggagcttag  | atgccaaaat  | 757860 |
| acagtataat | aatacaggag  | cagaaaatcg  | tccattggta  | ggtaacacag  | attctaatac  | 757920 |
| attcttgact | atttataagc  | ttcctgcttc  | attggatatt  | cgtgattata  | gtaatccatt  | 757980 |
| aactgatgaa | ggtaaaatgt  | attgggtggc  | gccgaatgga  | ctgaatcctt  | attggttgga  | 758040 |
| aaaatataat | ctgaatgccg  | ataaccgtag  | ccgtttcttg  | atgaatgctt  | cattgaagta  | 758100 |
| taagataaca | gattgggtga  | atgttgaaat  | tagaggcggg  | agcgatatgt  | actttacaga  | 758160 |
| atctacagaa | aagacttatg  | ctgggtgtag  | tacattgaat  | aacggaaata  | gtgcatatag  | 758220 |
| cttgaacgaa | caacgtttct  | atgaaaacaa  | tttcagtttc  | ttgtttactg  | ctcagaaaaga | 758280 |
| caatttgatt | gacaagatcg  | gtgtaagtgc  | tacctttggg  | ggtaacctga  | tggaaagaaa  | 758340 |
| atctacaggt | ctgaagaacc  | gtgcttctaa  | attgactgta  | cctaacttgt  | tcaatatcaa  | 758400 |
| taatagtagt | aaatctgacc  | gtgatgtaac  | agaaacatac  | agtcacaaaa  | agattaattc  | 758460 |
| attgtatgga | actatcggtt  | tgaattacaa  | tggatgggta  | ttcttggtatg | ctacattccg  | 758520 |
| taatgactgg | tcatctgcct  | tggcaaaaga  | aaatcgttca  | ttcttctatc  | cttctgtttc  | 758580 |
| tctttcatgg | gttatcagtg  | atatgatgaa  | taaatttaat  | aagccattac  | cagaatgggt  | 758640 |
| tacatatgcc | aaagcacgtg  | cttcatttgc  | tcagggttgg  | aatgatattg  | atccatatca  | 758700 |
| gttgatgat  | tcttatgaaa  | ttgggttctga | ccagtggggt  | aatactacag  | ctaaacctgg  | 758760 |
| tgaacaaaa  | tatgattcaa  | ctgtaagaag  | tgagttgatt  | tcttcttggg  | aagctggttt  | 758820 |
| ggaaatgaaa | ttcttgaaca  | atcgtttggg  | atttgatata  | gcgtgggtata | aatcaaatgc  | 758880 |
| aaaaagacaa | ttgatgaaga  | ttcctgtaaa  | cgagatgtct  | ggttacaaaa  | ataagattat  | 758940 |
| taatgctgga | aatatccaga  | atacaggtat  | tgaattgatg  | attaatgctc  | gtccggtaga  | 759000 |
| aactgagtta | tttagttggg  | atactcaaat  | caacttctct  | aagaacaata  | ataaaaattt  | 759060 |
| ggatttaggt | ccgggtattc  | ctaaatacga  | attaggtgga  | gcggaagagt  | tgaagggtata | 759120 |
| tgcagttgca | ggaggtaact  | acggtgaaat  | ttgggggtact | aaatttgctc  | gtgtagaaga  | 759180 |
| taagtcaagt | ccatattatg  | gtaaattgat  | tctgaatgaa  | gcaggtcttc  | cgacaacaga  | 759240 |
| tggcgaacgc | tataagattg  | gagatcaaca  | acctgattgc  | atgattggat  | ggaataacac  | 759300 |
| attgagttat | aagaattttg  | catttagctt  | ccagtttgat  | ggacgtatag  | gtggtgatata | 759360 |
| ttattcgtat | actaactata  | tgttacaaac  | tagtgagcgt  | gctgctgtta  | cagctcctga  | 759420 |
| tggaagacgt | gatgagtttg  | tattggatgg  | tgtagtatct  | gatggaaatg  | gagggtataa  | 759480 |
| gcctaataca | actcctgtta  | ctcaggaagc  | ttattggaaa  | aatgggtatag | gtacagggtaa | 759540 |
| tcagggtatt | gctgaagcca  | atatttatga  | tggaaaccaat | ttccgtctgc  | gtaatgtagc  | 759600 |
| attgaactat | acattccac   | gcgaaatgct  | gaaaaagact  | tgcttccaac  | aagtaaaatt  | 759660 |
| gggtgatca  | gtaaacaatg  | tatggatgat  | ttatagtgc   | atgaacggta  | ttgatccgga  | 759720 |
| atctgtaatg | gtaactagta  | ccaatgctac  | cggtttcgaa  | ttcgggtcgt  | ctcctacatc  | 759780 |
| acgtacttac | ttgtttaatg  | taacccttgg  | tttctaata   | ctaaaatgag  | aatagaatga  | 759840 |
| aaacaataaa | taaaattttt  | ataggttttg  | ggtttagtcg  | aatgagtggc  | ttatactcat  | 759900 |
| gttctgattt | cgatgaagta  | aacacagatc  | catcaaagac  | tccgatagaa  | tctactttgc  | 759960 |
| cagagtactt | cttaaataat  | gccattagta  | aaattcagat  | ggacccgagt  | acaggagAAC  | 760020 |
| gtatctatta | tttgaactgg  | ggagatgctt  | ctcgtgcatt  | tgggtgaggct | ggaatgttat  | 760080 |
| gtgtaggatt | gtatgatgac  | tcttatatgt  | caaacttcta  | ttatccttgt  | cttgcaataa  | 760140 |
| ccataactta | tgtgactaca  | gccatcaacg  | aagctgcaaa  | gagagctgga  | tctgaaccat  | 760200 |
| tctataataa | cctgcaacag  | tttggtcgta  | tatggagagc  | tttagttata  | gctcagttcg  | 760260 |
| ccgattcttt | cgggtccatat | cctttgaatt  | ctggttcagg  | agaaaatcct  | actttttaatt | 760320 |
| ctgaaaaaga | aacttatcgt  | tttatttttg  | atgagttgaa  | ggatgctgtt  | aataaaaattg | 760380 |
| atacatctat | tactccgacc  | gaagatcaag  | ctaaatgtga  | tcctgcttat  | gggtatgtag  | 760440 |
| ctgataaatg | gcaaaaattg  | ggtaattcat  | tacgtatgcg  | ttatgctatg  | cgtttgacta  | 760500 |
| ataccgatat | ggctagcgaa  | gcaaaggctg  | aattcgaaga  | tgcttgtaaa  | ggaggaaact  | 760560 |
| atatcaagag | tcagtcagat  | atgttatggg  | tcaaatcaga  | taatggctgg  | aatgactata  | 760620 |

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| ccagtcctta  | tacacgtact  | tggaacttac  | aggcattgtc  | ttcaacaatg | gctaattctga | 760680 |
| tgactaattt  | aggtggagtt  | tcagttgctg  | aacagcgtgc  | agacttagct | aagtatacga  | 760740 |
| aacctaatac  | ctatttagga  | tataaatatg  | atcagcattt  | tgtagcta   | actgataatc  | 760800 |
| ctactaagca  | atattgggtg  | gatgggtatac | ctgaaaatct  | tgatccgcgt | gcattgaaaa  | 760860 |
| tgttctggct  | tgtaaagtat  | acacaggctg  | aaaatatgat  | tgatccatca | agcaaaggta  | 760920 |
| ctaagataaa  | tccggaagga  | agtgaattac  | ttttggatgc  | tgatggcaaa | aacacaatca  | 760980 |
| agatttctgg  | ttcttttact  | tggaacgggtg | ttcctagtgg  | agcttctacc | agctgggtcac | 761040 |
| ctacactgtc  | taagaacaag  | ctgattacta  | cttcaagtgg  | tattcgttct | tgctatcctt  | 761100 |
| tatggggtaa  | agaatattgt  | acaggtgggtg | aagaaggctt  | tggacgagtt | gtatttttatg | 761160 |
| gtgcatggga  | atcttatttc  | ttgctggctg  | aagcagctgt  | tcgtggctgg | aatacagcag  | 761220 |
| gtgtaagtga  | tgaacaagct  | tatggagacg  | gtgttcgtgc  | tagctttgaa | tattttggag  | 761280 |
| tcggtgaata  | tgctgatgct  | tatcttgaat  | caactgacta  | taaccgtgtt | ggtacttctg  | 761340 |
| taaaattcac  | tcatactaca  | gagccttctt  | catttgaagc  | tacttatatt | gatggttata  | 761400 |
| caaaacagga  | aaagaaggta  | acttatcaat  | atcctgttgc  | ttcgaaaaca | ttgtatggag  | 761460 |
| tagcattgaa  | tgataaattg  | actaagatta  | ttactcagaa  | gtatttagca | cagatgcctt  | 761520 |
| atcttgttca  | ggaagcatgg  | tcagatcatc  | gtcgtctagg  | tttgcctttc | ttcgatttaa  | 761580 |
| caggaaatga  | aagtgttatg  | actgggtgctg | atatgacaga  | attgaaacct | aattcatggg  | 761640 |
| aatctggaca  | gagctggaaa  | tatttcccac  | agcgtatgcg  | ttatccaatg | tctctgttaa  | 761700 |
| cttcagatga  | agcagaatat  | aatcatgcgt  | tggaaattgct | gggtggtaat | aataactacta | 761760 |
| tgattccatt  | gtggtggta   | ttaggaagta  | atcagaaata  | attataatta | ataaaatagc  | 761820 |
| ctgacagcct  | gttagcagat  | actttgtctg  | ccctagaatg  | gttgttgggc | tatttttgtt  | 761880 |
| tatttaagga  | aataagtttt  | tataatgtat  | gagatgtact  | ttcttcgttg | gagtgaagtat | 761940 |
| gtcacattag  | ctataatgaa  | ttttaatcat  | atataagaat  | gagtaaacga | ttatttgcag  | 762000 |
| cactattttc  | tattagtgtg  | attgttgctc  | ctgtgatgag  | tcaaacacaa | cctaaggacc  | 762060 |
| aacaggatat  | acagaaagaa  | aaaagaatgg  | agtggtttgc  | aaatgccaa  | ttaggtatatt | 762120 |
| tcatccattg  | gggtatttat  | tctgtaaaag  | gagtttctga  | aagttggtct | ttcttcaata  | 762180 |
| agtatctgcc  | ttatgaggag  | tacatgagtc  | agaaagatgg  | atttactgct | tcaaagtatg  | 762240 |
| atccgaaagc  | atgggtggat  | ttaattaagg  | agagtggcgc  | acgttatacg | gtgatcacga  | 762300 |
| ctaagcatca  | tgacgggtatg | gctttgtggg  | atacgaaggc  | aggggagctg | agtactgtaa  | 762360 |
| aatgtacacc  | ggctaagcgt  | gatttaatca  | gtccttttgt  | aaaggaagta | cgtaagcagg  | 762420 |
| gattgaaact  | cggattttat  | tattcattgt  | tagactggctc | acatcctgat | tatccgaata  | 762480 |
| agacacgtac  | agaggttcgt  | tatacaaatg  | attctgtacg  | ctggaaacgg | tttgtagatt  | 762540 |
| tcaacatggc  | acaattgtcg  | gaactgaata  | aaacatggaa  | acctgatttg | tattggttcg  | 762600 |
| atggtgactg  | ggaacaaact  | gcggaagcat  | ggaattcgaa  | aggtatcggt | gaattattga  | 762660 |
| gatcagacaa  | taagaatgtg  | attatcaatt  | ctcgtattca  | gggttatggg | gactatgcta  | 762720 |
| ctccggaaca  | gggagtgcct  | atcgtacgtc  | ctgaagataa  | gtattgggaa | ttgtgtatga  | 762780 |
| cgatgaatga  | ttcatgggga  | tatcagcata  | cggatacaaa  | ttataagtca | ccgtttatct  | 762840 |
| tattgcgtag  | gtttgttgac  | tgtttgagta  | tggttgga    | tctgttgctt | gatatcggtc  | 762900 |
| caaagaaga   | tggaaactatt | cccgaagagc  | aggttgccat  | actgaaagaa | tttggccgtt  | 762960 |
| ggactaaaaa  | acataaagag  | gccatctatg  | atactcgtgc  | aggtattcca | actgaacatt  | 763020 |
| tccagggata  | tacaacattg  | aacaaggctg  | gtgatatttt  | gtacctttat | ttgccttata  | 763080 |
| aaccgaacgg  | tccaatcgaa  | gtaaaaggat  | tgatgaataa  | agtgaataga | gtttgggttg  | 763140 |
| ttggcaacgg  | gtcaatgttg  | tcatataagg  | tctataataa  | gaattattgg | agcgaggtag  | 763200 |
| cgggtaaatct | gtatattgat  | gtgccggagc  | atgtactcga  | tccacagata | acggtagttg  | 763260 |
| ccgtactctt  | ggacggaccg  | gtaaaattgt  | atcggggagc  | aggtcaggta | atagaaagta  | 763320 |
| attaattaaa  | ataaccatga  | gaaaacaact  | attatgtagt  | ttgcttgcgt | tgacaatggg  | 763380 |
| cggacagctc  | ctggcgcaga  | atttgtattc  | gaagtatgag  | cgtatgctta | ctttgccagc  | 763440 |
| agggtatgta  | tgttaccgta  | ctgatgggaa  | aataaagatt  | gatggaaagc | tgaatgaagc  | 763500 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| agattggcag  | aaagcacagc  | caacttcctc  | ttttgtggat | ataagtggag  | aagggtttgc  | 763560 |
| caagccttgt  | tatgacacat  | cagctaaaat  | gttatgggac | gataagtatc  | tttatgttgc  | 763620 |
| tgctacgttg  | caggaggacg  | acattaaagc  | aaagttaagt | cagcgtgata  | ccattattta  | 763680 |
| ttatgacaat  | gattttgagg  | tttttcttga  | cccggatggt | gacggtcaga  | attattttga  | 763740 |
| gattgaaacc  | aatgcaaaag  | ctgttatttt  | cgatttaatg | ctggataagc  | cttatcgttc  | 763800 |
| tgaggagaaat | ttcatgattc  | agtgggattg  | tccgggactt | caattggctg  | tacatcgatg  | 763860 |
| cggacacattg | aataattcaa  | aggacaaaga  | caagcagtgg | accgtagaaa  | tggtatttcc  | 763920 |
| tcataaagca  | ttgactgtaa  | atttctctaa  | tccgggagaa | gccggtaagt  | attggcgtat  | 763980 |
| caatttctct  | cgtgtgcaat  | ggctgaagcc  | ggggcagcgt | gaagaaaact  | gggtatggat  | 764040 |
| gccgacagga  | aaaattgata  | tgcacatgcc  | cgacagatgg | ggattcttgt  | atctttctga  | 764100 |
| taaagtagta  | ggacagggaa  | ccgatacttt  | taagtatcct | tataatatgg  | ctgcatataa  | 764160 |
| attgctgtgg  | gcgatgtttt  | atgcacagca  | ggatttctat | tcaaaagaaa  | agagatactt  | 764220 |
| gcgtgagaaa  | gaaagtttct  | tcctgactgc  | ggatgaacta | aatggcttgc  | cagctggttc  | 764280 |
| tgatatttct  | gtagaggcta  | ctactcatag  | tttccgtatt | gcgatcagta  | tgccggaaga  | 764340 |
| aaatgtacgc  | tatgtggtag  | acaatcttag  | taagtttacc | tgcgagccta  | ttactgtaca  | 764400 |
| aaaataaata  | aagatttcga  | gttctttttg  | aatttatagc | tatttgtata  | aatcaggaga  | 764460 |
| actcgaattt  | tattaatctg  | aaagcattag  | aatttacaac | aaacatgaaa  | aaaatcttta  | 764520 |
| ttcttttttc  | tttgctgttt  | acactaacag  | taaatgcagc | cagtcacaaa  | gaactaccgc  | 764580 |
| ctaaaggaaa  | cttaagctta  | caggtattta  | acaatgcgaa | cgtacgtttt  | ttgcctgata  | 764640 |
| agtatccaag  | cttctcggaa  | gcggacagtg  | atggcataat | ccatttagtg  | aatggccgta  | 764700 |
| ttatcttaaa  | gaaaattcag  | ataccgatt   | atcagcgtga | tgtaacggtt  | agtgtgaaag  | 764760 |
| taaaggttgc  | ttcgaatggc  | gatcgctggg  | ataaatcagg | ctcttggttt  | gtccttccta  | 764820 |
| agcattctgc  | aattaatttg  | ttgagtatag  | cacaaggaaa | gaagaaaattt | ccagaagtgg  | 764880 |
| atagcttgaa  | gttggaataa  | atgattggta  | tagttccggg | aaaagattat  | ttgccaaacta | 764940 |
| tagaattaat  | gcgtttcatg  | actccttttg  | gagtgggata | ttacagccag  | aatgatgatt  | 765000 |
| cgctttctag  | caaacgccgt  | ccggtttata  | ttccaaaatg | ggaacagtgt  | gtacagtggg  | 765060 |
| aacaggatat  | taccgatttg  | taccgggtc   | ttacaggaga | agtttatgta  | ggaattttta  | 765120 |
| ttgatacatg  | gacagccgag  | ggttatgttg  | ccagcatgga | actgaatgtt  | aaggaaaccc  | 765180 |
| cggtagcttg  | cgaaaagtgt  | attcgtcgtc  | atgtggagcc | cttgatgaat  | actgtgtatt  | 765240 |
| atataggtca  | gacctatccg  | gatatttttg  | cgcgcaaatc | tgtttcggcc  | gactttgttc  | 765300 |
| ttcccaaaaa  | tgcaagaagt  | gtacgtttga  | aatatatcgt | aaccgggtcat | ggcggccata  | 765360 |
| gcggaggtga  | tgagtttggt  | ccaaagaaga  | atatactttc | tatcgatggt  | aaggaagtat  | 765420 |
| atagtttcat  | tccttgagaa  | gatgattgtg  | cttctttccg | tcggtttaat  | ccggctacgg  | 765480 |
| gcgtatggct  | tgtaaaacgt  | ttggctgctt  | atatactgta | agatggttat  | aaggtaaaag  | 765540 |
| aggtagaaga  | acctttggct  | tcttccgata  | tttctcgttc | taactggtgt  | ccaggttcgg  | 765600 |
| atgtcgctcc  | tgaagaaatt  | tgtttgaaag  | acttgcaggc | cggtaaacat  | acatttacgg  | 765660 |
| taagcatacc  | caatgcacaa  | gttgcaaatg  | gtgaagagtt | aaatcattgg  | ttggtttctg  | 765720 |
| cttacttggt  | atgggatgaa  | taaatgcaaa  | gaataattgg | aaaataaaaag | aggccgtctc  | 765780 |
| aaatagaatt  | gcaaaaagtaa | aaatcttata  | gattgcaact | tagaagtaaa  | aaaatctcct  | 765840 |
| acttttagtc  | ctgtaattaa  | agaaaataaa  | gactaaagta | ggagattttt  | atgttgtaat  | 765900 |
| ttcattagtg  | tccaataaaa  | atggactagt  | taaaaaatta | atcaaatagt  | ccttcaaaaa  | 765960 |
| ggggataatc  | gagttctttg  | acatcgttga  | aatcagtcct | atcgaacagt  | tcacgcaagt  | 766020 |
| tagttttgtc  | cgttagagag  | atgcttagaa  | tctgcaaaac | ttcataagtt  | gagcgcttca  | 766080 |
| attgcatatc  | gtgttggaaca | atagccacta  | gacagtaagt | gatgattgct  | acactgattt  | 766140 |
| gaatgcggac  | agcattttcc  | gttggtgccc  | agaatctttt | tattttaagg  | tgctgcttga  | 766200 |
| gccatttgaa  | gaatagctcg  | accaaccatc  | tttcttgta  | gagattagca  | acgtccaatg  | 766260 |
| cagaaatatg  | tggtgcgttt  | gtcaggaaaag | tgaactcacg | gtcacctctt  | tcatcatagt  | 766320 |
| aacgaatgag  | tcggaatgac  | tcgggatatt  | tcttctctga | gaggtatccg  | gtcagtttca  | 766380 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| cttcagcatc  | tgtaaagtaca | tacttaggca | tcctacgctt  | ccattttaacc | atttgtgtatt | 766440 |
| tcaagttcgt  | cttagctctg  | acaacgaaaa | aggaacctgt  | caggtgtatc  | ctatatagtt  | 766500 |
| ccttaaaaaga | gtcataagcc  | ctgtcgaata | tataataagc  | atttggttca  | taatggattg  | 766560 |
| aacacatcgc  | tgtagagtcg  | tgcttcgatg | ctgtggttac  | agtatagaag  | gcaggaactt  | 766620 |
| gtgcttcaat  | gtcatataag  | acatgagctt | tgacacctcc  | tttctttctt  | cggaacttcg  | 766680 |
| cccatggaaa  | tgtggctaga  | cacaacggaa | tagttgttga  | atcaaaaagca | tacttattcc  | 766740 |
| ctggaatatc  | caagatgttg  | gtcgctcgct | tttcacaagc  | ttccttcatt  | atatagaatg  | 766800 |
| cgaagtcttc  | aaagattctg  | tagtcacgat | tctgattagc  | ataagcgagg  | gtggcttttg  | 766860 |
| ctattggatt  | gcgtcccaga  | ccaagatgat | attgcttggc  | ttgatgctg   | tcaaaaagcta | 766920 |
| caattaagtc  | gcgaagactc  | tcacgattgc | tcagttgtcc  | gaacatcata  | gcaagtaact  | 766980 |
| gattccagca  | ggtgaattgt  | ttcacgtagc | gattaccatt  | atacttgcca  | acaaagttat  | 767040 |
| tgaatttgt   | tctgttcata  | aaagcggtaa | gttgagcgaa  | tacgtattta  | tcttggttca  | 767100 |
| taagcggcat  | tcaatttgac  | cgctaagcta | cgaattcaaa  | tccgtttcat  | tctaaaatac  | 767160 |
| tgtctaaaag  | actgtatttc  | aacaatttca | aaggcccatt  | aaccaacttt  | tattggacag  | 767220 |
| tagtgttgta  | atttatagat  | tataagtaag | cctgtctcaa  | tttttcattt  | tgatacagct  | 767280 |
| ctttttgtta  | tatgtttagt  | gcttcaattg | tacgtcttac  | ccgttgagcg  | gttgttattt  | 767340 |
| cgcgcgata   | ttcattaatg  | gaatcgcttc | ccatcttgac  | ttcgggattg  | gaatagcgca  | 767400 |
| tggcactttc  | tattttttct  | cgtgctgaaa | aatgaaattc  | ggtggcacca  | ctttccaacg  | 767460 |
| ccaattggcg  | aatattgttt  | tcattcactc | cacatccggc  | tatcaggctt  | actctgccat  | 767520 |
| tggcatattc  | aatcagtttt  | tttataagag | tacttccttg  | gggagctgta  | ggttgctgtc  | 767580 |
| ctgaggtcag  | tatacgatga  | atatctaaat | cagcaatttc  | gtcaagtgtc  | ttaaaagggg  | 767640 |
| ccttacatct  | gtcgaaagcc  | cggtgaaagg | taacggagca  | attaccggca  | gccgttctaa  | 767700 |
| gtcgcttcat  | tgcaggcatg  | tctatttcgc | cgtcaggagt  | cagacaacct  | attacaattc  | 767760 |
| catcggtccc  | agcctctttg  | gcaatacgta | tatcttcctc  | cattattttc  | agttctagag  | 767820 |
| gagagtataa  | aaaatctcct  | ccacgtggac | ggatgataac  | atgtagtttg  | atttgtagta  | 767880 |
| aacggcgcg   | tgtctgtatt  | tctcctaatt | atggagtcgt  | tccgccctct  | ggtatgccgg  | 767940 |
| cacataattc  | aacacgatgg  | gtccccctt  | cttgggctgc  | aaggcaactc  | tctacggagt  | 768000 |
| ttgcgcaaat  | ttcgaattga  | tatttcattg | tatgtttatt  | aagattaatg  | tctggcaggg  | 768060 |
| ataagacgat  | aaagcatttt  | acgtgtcatt | atcttatgat  | tcaggaagtt  | gacgatataa  | 768120 |
| cctgtaatac  | aagctgcaat  | gacggaacct | tcacggacac  | cttctatgcg  | catggtgaaa  | 768180 |
| gccaatgata  | taagaatggc  | gaggcttaca | agtgtaatat  | ctacatatac  | ttttacgttg  | 768240 |
| ccgaattcct  | tgttgcaacg  | acgagcgatg | tattttacca  | atccctctgc  | actcatcatg  | 768300 |
| gctgctttgg  | gctttatctc  | taatacgaca | ccaattgact  | gaatgaagca  | acctgccaaa  | 768360 |
| agaattccta  | aagccatgcc  | atagttactt | ggagtcaggt  | tacggatcag  | aaccatgttc  | 768420 |
| aggtcgataa  | aagcagaaaa  | aatgaaagag | aaaggaattt  | gaagcagaat  | ttcaattgta  | 768480 |
| tctttgcgag  | taccgtactt  | acctcttgcc | agccacagtt  | gtatgataat  | cataagtagg  | 768540 |
| ttgacgataa  | aagtccatgt  | accgagagat | agtgaagtgt  | tgaggcttaa  | tacgtagtcc  | 768600 |
| atgcttgaaa  | taggggtcgt  | tcctaagctg | gagtggacaa  | tgagtgttat  | tcccatagca  | 768660 |
| agaaaataca  | atcctgcatg  | aaaaactaaa | taccttttaa  | aaagactgtc  | tttttccata  | 768720 |
| tcgttatatg  | aatttatatc  | ggatgcaaat | ttcgtagtgt  | tttttgagat  | aataataata  | 768780 |
| gatatctttt  | ttaatatctc  | ttaatttcgt | atattgcgtt  | gagtatgaat  | ttataaactt  | 768840 |
| gttatgacta  | tggaagttaa  | acataatgtg | gatcaaatga  | aattttggac  | agaagttgat  | 768900 |
| ggatatgaag  | cgcacgtcgc  | ttatcaactt | catgataaag  | gattggatat  | tcgtcataca  | 768960 |
| atcgcttcta  | cagaaattgg  | gggaagaggt | attgcttcgg  | cgctggtaaa  | ggctgcttac  | 769020 |
| gattatgcac  | gtgctaacgg  | cttgaaaccg | attgacgactt | gttcgtatgc  | tgtagtatgg  | 769080 |
| ttacagcgtc  | atcctgaata  | tgaaggggaa | gtcggaaaag  | atttctgtgg  | agaaaactct  | 769140 |
| tgtgctttgt  | aataggcttg  | atcttactat | tgagtataca  | ctttatattt  | gaatgaaggt  | 769200 |
| atgacgggct  | attcgcatat  | actgaaaatg | gctacctatc  | ctgacatgcc  | ttcattcatt  | 769260 |

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|             |            |             |             |            |            |        |
|-------------|------------|-------------|-------------|------------|------------|--------|
| tattttatat  | tttttgtggg | catcagctat  | ttttcaggca  | acaggtttgt | caaagtgttt | 769320 |
| tccgcattgt  | ttgcaaatat | attcccaatg  | ttctgtaccc  | ggaggggcac | cggcaagcat | 769380 |
| agctaggatg  | gttgagacaa | tggctcgtaa  | tcttttcttt  | ttcttcaaga | caaactgaat | 769440 |
| gttgctggaa  | tgacagtatg | ggcaatattt  | cagttgttcc  | ggtatcattt | gattttgctc | 769500 |
| gagcagcttg  | atagctttct | catattcgtc  | ttcgtaaaca  | aaaatatcta | cgccagagat | 769560 |
| attgctgata  | tatcctctta | aaacgttaga  | cgtattttcg  | ttatgtaata | tagccgcaat | 769620 |
| gccttcattt  | tccaaggctc | cgacaatgag  | tcgagcctga  | aatgaatcgt | cgcaagtgat | 769680 |
| taatctgacc  | gttttcatgc | tcttttagctg | atattattctt | ttttctttct | tttgaataag | 769740 |
| ctccgtaaaa  | tagtaccg   | aatagtatat  | ctgaatgtgt  | tgagttcatc | agtacgttcg | 769800 |
| tcaaccttct  | gcagcaggct | ttcagcatct  | ttttccgaaa  | gaacaccatt | ctctatcagt | 769860 |
| tgtctgattg  | tttttcgttc | attactgagc  | agcatgcgaa  | tcgatttcag | ggtaagtgca | 769920 |
| tgattgtaag  | ctttcggaaa | acttaccgcc  | agattattta  | tcaatagatt | catcgcatca | 769980 |
| atgttttggg  | tgatttcttc | ttttagtatg  | tctgtacag   | gtttctgttc | cttgttcagc | 770040 |
| aagtccgaat  | tttttagttc | atccaaaaac  | ttcaggtctt  | ccttctgtat | gatgataaag | 770100 |
| cctctgcca   | gatcataaat | cagtgcgatt  | cgtttacgga  | aatagaagct | catcagggtt | 770160 |
| tgacaggaag  | gctcattccg | taaactgttc  | agcagtgtctg | tccggttaca | gaaacggaag | 770220 |
| atagagtttc  | gatgatccaa | tggataagtc  | ccgtcgtgat  | cgtataactc | atccaatgag | 770280 |
| ttcatcagtc  | tgcggaaggt | atactgagaa  | ataattcctt  | gatcgtaaag | ttcatggcag | 770340 |
| agggcttttt  | cccggctcag | tacacgtaag  | cggacttcgg  | taagcatggc | atgcgtaccg | 770400 |
| gcagccacag  | gcgtttcctg | aggttcggga  | aagagataat  | gtttcacttt | atcccagttc | 770460 |
| gttccggtta  | gagcttctct | tttttccaga  | cgttccaagt  | atttttcaga | attttctcga | 770520 |
| attgtttttt  | gtattttgtt | ttccaatatg  | atacgtgtctg | aaggagtatt | gatcagtcct | 770580 |
| aagcggttta  | acaaccatcg | tgtggtagtg  | gcattgacac  | agagagtaag | cgtaacgatt | 770640 |
| cctgccgtaa  | aaaatagaat | ctggctgctg  | acatcttccg  | gaatggctgg | cgtatacgat | 770700 |
| accatgagtg  | caagtgtcat | gccaatgca   | cctcgtaatc  | ctccccaagt | aagaatgacc | 770760 |
| gactcacgct  | tgctcagtc  | gtatccatt   | cttttcatga  | gcggataaag | caacatgatc | 770820 |
| atagcgaaac  | ggattaagtt | caggcaaaca  | taaatcagaa  | tcaggatgcc | gaatgcactc | 770880 |
| caggtaaaat  | cgaccttttc | ggcaatgaca  | attccgacaa  | gaataaagat | taaagtattt | 770940 |
| gctatgtatg  | tcaggagttc | ccagaaatgc  | tccataaagt  | tattgacctg | aggcttcagc | 771000 |
| cttggttttc  | ccacgtaggt | tacggtcagt  | ccgaagacta  | acagcgctat | tactcccagc | 771060 |
| actcccaggt  | aatattgaga | gataatgaaa  | gtaagatatg  | ccgacagaat | gactacgctg | 771120 |
| ttttgtatca  | tctcttccga | gttgatacgg  | gttataaacc  | atattactaa | gcgtgccaac | 771180 |
| aggaaaccta  | ataaggtact | gatacttact  | acttgtatga  | attccattac | aggtgaggaa | 771240 |
| gaattttctc  | ctgtggcggc | ataagttccg  | agaatagca   | tgaagcatac | aataccagtt | 771300 |
| ccgtcgttta  | aaagagattc | tgcatcaaca  | agtgtagaaa  | agcgtttact | ggttttcaat | 771360 |
| tcatgtagca  | ggcgactac  | ggcaaccggg  | tcggtcgcac  | tgatcagagc | accgaacatc | 771420 |
| agtgcaaatc  | cccatgtcca | cgaactgagc  | tcaggtaaaa  | ataaggagat | acccatcaat | 771480 |
| aatgcccccg  | ttagcaacat | gcagattatc  | agtccccggt  | cggcaagtaa | agtggcattg | 771540 |
| gccagtgtct  | ttttaagat  | atgcaggttc  | agttcataag  | ccgcatcgaa | aatcaagata | 771600 |
| ggcagaaaca  | gatagagtat | caggtccgga  | ttgatattgg  | ctaccgaact | gacaccttcc | 771660 |
| gataatccat  | tccagcaatc | gaaaaccctt  | gagcggttta  | acaatccgac | cagaagtccg | 771720 |
| acggcaaaaca | gtcctaccgt | atatgggatt  | cgagtgtgtt  | gtaataatga | tttcagtaag | 771780 |
| gctcctatga  | caagtccgcc | gattgttagc  | aataaaggaa  | tcagaaaaga | tgtttcttcc | 771840 |
| ataagtatta  | gttgtagta  | ctttattatg  | ggaaacaaat  | atacgaattt | aagtcttgcc | 771900 |
| ctcctacgct  | ttgtctattt | tatttgctgc  | taattttcga  | gcgctggctc | tatcgggctt | 771960 |
| gccggtttct  | gtttgcggaa | gcttttctac  | acaattgttt  | tgtttgggac | gccagtaagg | 772020 |
| aggtagggtta | gctattgctt | tgtttatctt  | ttctttatcg  | attgccgatg | tttcgagaag | 772080 |
| caacacaatt  | tgttcgccga | atttgatgtc  | ggatacagac  | gtaatcataa | acggacagga | 772140 |



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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| gagtaatggt  | ctaagtgcgt | cctcaacctg  | ttctatctgt  | actttgatgc  | ctcccgtatt  | 772200 |
| gattgtattg  | tcttttcttc | ctaaaatacg  | gaactgtcct  | gatataattaa | actccacaat  | 772260 |
| gtcgtttgtc  | ttcagtattt | cttcactgac  | gaggggagcg  | ttgatgacta  | gtgttccttc  | 772320 |
| ttccgaagag  | ctgaggctga | cactactgaa  | aggagtatac  | cattcagaac  | gtcctttttcc | 772380 |
| gttttagttg  | cgtaaggcaa | tatgagaaag  | agtttccgtc  | atcccgtacg  | tactccatac  | 772440 |
| ggcataagga  | aaatcttgta | gcgacttttc  | caaattttca  | tcgatagctc  | ctccacctat  | 772500 |
| tatcaagtga  | tggacctgca | tgagcagttc  | tcgttcggcc  | agtacttgca  | gggtattgaa  | 772560 |
| tacctgcatg  | ggaatcatgg | ctgcgaaagt  | cgggtgcagta | tgtaactcct  | gcatcgggtg  | 772620 |
| tccgcatgga  | gatacaggta | tcaaattcag  | tccggctacg  | agtgaacgta  | ctacaaccat  | 772680 |
| tttgccctgct | atgtattgca | gaggcatgca  | taacagagca  | ctgtcacctt  | tgtgtaaatt  | 772740 |
| taagaaagat  | acggtcagtt | tggcgctggt  | catcatccgg  | cttttctcca  | cccaaagctc  | 772800 |
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| agttgtgtta  | gatgagaaat | gatttaaaat  | caggtttcctt | ttcttttggg  | tggaaaccaca | 773100 |
| gacaatcccc  | ttcaatatga | agcgggtagt  | cgatattatc  | cgtaaaaagc  | atacctgtac  | 773160 |
| ctaatecctg  | aggcattgca | ggatgaagag  | tggcacacca  | ttgtgcatg   | gaattaagtc  | 773220 |
| cgatgttcga  | ttctaaagcg | gaagttacc   | atgagccgat  | acctcgttcg  | gcggcgagtt  | 773280 |
| caatccattc  | ctgggtcctt | ttcatgcctc  | cgtggagaga  | cggtttttaa  | ataatatatt  | 773340 |
| gcggtcggat  | agtttcaaga | agctctacct  | tgcgtgccag  | cgtattcact  | ccgatcagtt  | 773400 |
| cttcgtccaa  | tgcgatgggg | aaaggtgtct  | gggcgcacag  | ttcagccata  | gcctgccatt  | 773460 |
| gtccggcacg  | gataggttgt | tcgatggaat  | gcagatgaaa  | cgcatgaagt  | cttttcagct  | 773520 |
| tttcaggagc  | atctgccgga | gagaaagctc  | cattggcatc  | taccgggagc  | tctattttgtt | 773580 |
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| cacctatttt  | tactttgata | catcggaagc  | cgagtttcat  | tttctcttct  | atccgatggt  | 773700 |
| acatttcgtc  | gaagtttccc | atccatatca  | gtccgttgat  | aggaattcct  | tctttccctt  | 773760 |
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| ccagtccaaa  | cagcatagag | ggataggggc  | ggagagcctc  | gtagtcgatt  | gctccattct  | 773880 |
| gttccgtctg  | ccggcagtcg | ttggccaaga  | tttctcata   | gtcgggcaag  | tcgtcgcaac  | 773940 |
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| gcaacaggta  | ccacactttc | cgggtgcgat  | atactcctct  | tgatgttcct  | gccggttgtt  | 774060 |
| tgaaatgtaa  | agtcttcgga | ataattttga  | ttgtatacat  | aagcattgtg  | gtgaattgaa  | 774120 |
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| cagacacgct  | cgtgtctgaa | agttttatat  | gctttgatga  | ttagggcatt  | ttcgggaatt  | 774240 |
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| tcatgtaata  | aagcatgggt | gcgtcgccctg | ccagttcctg  | aatacctgcc  | tgaccgtcca  | 774360 |
| gttctgcatt  | cagtccggct | tttatcatac  | gtaatgccag  | cgggctgtgc  | tgcattcatcg | 774420 |
| tttcggccca  | ttctactact | tcattctcca  | gtgagtcgaa  | aggaacgact  | ttgttgacca  | 774480 |
| atcccatctc  | gagggcttcc | tgtgccgaat  | actggcggca  | gaggaaccag  | atttcacgcg  | 774540 |
| cttttttctg  | tcctacgatg | cgtgccagat  | aagaagaacc  | gaatcccgca  | tcgaaactac  | 774600 |
| ctacccgtgg  | acctgtttgt | ccgaatatcg  | catttttcgga | agcaattgtc  | aagtcgcata  | 774660 |
| ccacatgtaa  | aacgtgtccg | cctccaatgg  | cataaccgtt  | gaccatggca  | ataaccgggtt | 774720 |
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| tgccgatgta  | accgccgtgt | ccttttacat  | gcatactctc  | acccgagcag  | aatgctttgt  | 774840 |
| cgccggctcc  | ggtaagaacg | atgacattga  | tatcctgaca  | ttcgcggcaa  | taatagagcg  | 774900 |
| catcgctaat  | ttccgatgtc | gtttttgggtg | tgaaagcggt  | gcgataacgc  | ggacgattga  | 774960 |
| tggttatttt  | agctattcca | ttatagaaat  | caaaaagaat  | atcctgatac  | tctttgatgg  | 775020 |

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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
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| gcagtgat    | ccggttggtt | gaatgtactg | actgcatttg | tcagctcttc  | ttcgtttgtg  | 775200 |
| gccgagagat  | attcaaatcc | tctgtcttcg | gccagggcac | gcgcggatgt  | ggtatgagtg  | 775260 |
| gctgttaca   | accgacgggc | attttcatgc | agttcaagtc | cgggcagtg   | atggaaaatc  | 775320 |
| tctcctccgg  | cattgttcag | cagcagaata | cgtacgttcg | tgccgtagtt  | ggaattccaa  | 775380 |
| agtgcattca  | tgctgtagaa | gaaactcaaa | tcgccgatga | ggataaagtt  | cagtttgtca  | 775440 |
| gaagccgtgg  | catatcccag | tgccgtagaa | agagaacctt | ctataccgtt  | tgttcctctg  | 775500 |
| ttggacaaga  | tttccacatc | gttgggcaaa | tcgaacaatt | gcgcataacg  | caccacggaa  | 775560 |
| ctgttggtta  | ggtgtaggga | gcacggagat | ggcagatgac | agatgacctt  | gccgatggca  | 775620 |
| ctcatttcgg  | aataggcaaa | atcggcttgt | ggaattgctt | tcgaacgagc  | ctcccatgct  | 775680 |
| ctcgggtatt  | ctggagtacg | gctgtccagc | atcggagcga | ttctttccag  | aaattcaaac  | 775740 |
| ggatccattt  | cgatgatggt | agtcagttag | ccgaacaaat | cgaccacttc  | gccgtcggcc  | 775800 |
| gatacatgcc  | agtgttctac | gggaggatgt | ttgcggagga | atttcttcag  | acgtttcag   | 775860 |
| atgatatgtc  | ctccgtaggt | aataagcagt | tcgggacgca | ttttctcctg  | ctcctcgttg  | 775920 |
| ttcatggaac  | aaagcagagg | ttcgatgttc | cgtataggca | ttcccgggtat | ggtacggttg  | 775980 |
| cttataattt  | cagtaaacca | tgcgaaatgc | ttgtacagca | tcttggtata  | cttcttgtcg  | 776040 |
| aacagataaa  | tcagattcat | ctgtcctact | actgccatgc | gtcgttggtg  | tttgttgaga  | 776100 |
| cgttctatca  | gcggctggta | atccttgtcg | taaatgttta | gtccctgata  | gcgggtgata  | 776160 |
| actcttgctt  | gcggcagttc | gttgacagga | agcaggaaga | acggttcgct  | gataggtagc  | 776220 |
| ttgatgtgaa  | ccgggccctt | accatgatga | ttaagttcga | gcaaagcttc  | gttaatcagt  | 776280 |
| cggttacaga  | accattcact | ttcttcgtcg | gttacttcgg | gcaggttgac  | cgattttttc  | 776340 |
| accaactgac  | caaatacccc | gggttgagga | agagtttgtc | catccatttg  | tccgatccag  | 776400 |
| gcagccggtc  | ggtcggcaga | gataactacc | aacggtactt | gctgatagaa  | tgcttcggct  | 776460 |
| acagccggat  | gcagattcag | tagggcggtt | cccgatgtac | agcataccgc  | agcagggtgt  | 776520 |
| ccgccgtgta  | aggccagtc  | gagggcaaag | aagcctgcac | tgcttcgtc   | ggtcatcggg  | 776580 |
| taacaggtga  | agtcgggaat | attagttagt | gtctggacga | taggtatatt  | cctgcttccc  | 776640 |
| ggacagagta  | caatccgttt | gattccatgg | ctccggagca | gggaggccag  | ttgcaatatg  | 776700 |
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| catagagtgt  | ggctgtttgt | ccggcaatgt | tcataaccg  | caggtttaca  | ttaaagtgtg  | 776880 |
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| cgttttccaa  | tatgaaagta | taggtttcct | ctttaggcag | tccgcagacg  | gcgggggtag  | 777000 |
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| gattcttttc  | actccattcc | gtcggcatgg | tttctccttg | cataggcatg  | gttccggcaa  | 777240 |
| gtgctaccgt  | gtgccattcc | gtttcgtggc | cgcttaaaat | aatttcgggc  | gtactgccga  | 777300 |
| tccagggtccc | ggtcagagga | gtatggcaca | aagaaatcat | catgcgcgga  | taactgttgc  | 777360 |
| aggcacggat  | aaaggcgctg | agaggcga   | aatcaggctt | tatggtttgg  | gtataattac  | 777420 |
| gtgaaagcac  | cagcttccgg | aagggtttat | tctttaaggg | agttataaaa  | cgactgaaag  | 777480 |
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| tccattcatg  | tgccacttta | tccggatgta | tgatgactgc | cggacgttcc  | tgagtcgggt  | 777660 |
| ggaaaggagt  | cagtacaaat | ccccgctttc | cgtttaagtc | ggctggattt  | tccactattt  | 777720 |
| ccgtttctcc  | ttcttctctg | aacaccagta | tcggttcgtc | tgtccacggc  | aggcgataca  | 777780 |
| gtgcaaagct  | gaaagaactt | tgcgtcagtt | ggtctatcag | tttgtggatg  | gtggttccgg  | 777840 |
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| tgtgccgggtt | gcttccacat  | acgttccaat  | cggaaccatg | tgcacatggt  | tggcactgat  | 778020 |
| ctgtatgcca  | caaggcattt  | gtccgggttc  | acacaaagga | atagaaccat  | atccggcaac  | 778080 |
| ggtttcggca  | agagccagag  | aagctcctcc  | gtttaaaata | tctttcgggt  | cacacgggcg  | 778140 |
| tgaggtagct  | tcatcgacgg  | gcatgggtgc  | ttttacatat | ccctcttcga  | tggaaaccag  | 778200 |
| ttgtattccg  | agggttttcc  | ccagcgattc  | aggaagctca | taggggtgtc  | gttcgctcgt  | 778260 |
| ttgcataaat  | tttagttttc  | gtaatatctt  | gcaaaattac | aattttccag  | ccaataagct  | 778320 |
| ggaataaggg  | caagaaattc  | tgtttcttgt  | ctgtctggat | aagttattcc  | ggtaggaaac  | 778380 |
| ttacattatt  | tatcgaagtg  | tactatcgct  | tgaactgttg | tgctgctctt  | tcttttgcag  | 778440 |
| gacagattgt  | tttctgtatt  | taagaggaga  | tatcccataa | tacgactgga  | actttttggt  | 778500 |
| cagatggcat  | gcatcgctgt  | atccgggtgcg | gtaagctatt | tctttcatgc  | ttagttgggt  | 778560 |
| atcttttatg  | agcgattccg  | ccatctttat  | ccggttgccg | ctaattgtatt | gctggaggct  | 778620 |
| ttcctgaaaa  | tggcgcttga  | agtaacgtcc  | gatgtagttt | tccgacaggt  | taaacttctg  | 778680 |
| gcaaagtgcc  | tctattctca  | gcatttgagg  | ctgatggata | tgctgttgaa  | tatattgcag  | 778740 |
| cagatagagt  | gctttgtctg  | tttcttccgt  | atcagctgga | aaggctgttt  | ggttgctcggc | 778800 |
| aagaaaagctg | cgggctatca  | gtgcgatgag  | gctgttcagc | cactgctgct  | gtaagtaaac  | 778860 |
| agagaagttt  | tgtctgttag  | cctgttcgtc  | ggcaatgaac | gaaatcagtt  | ggcgggctgt  | 778920 |
| ttgagcctcc  | ttatcggaca  | tcaccaccag  | tggagtcttt | tccggaagat  | agagtgtatg  | 778980 |
| tgccacatat  | ttcccgtac   | actccgttac  | atattggtcg | gtaaaacgta  | aaaatacata  | 779040 |
| tttactataa  | gtgtgaatgg  | taaagcagtg  | tactgtgtcg | ggtggaatca  | gaaagattgt  | 779100 |
| tcctgcaactg | tatggtatct  | cctttttctc  | ggatattttc | ccgtaagtat  | ggaacattcc  | 779160 |
| ggtacctgaa  | acaatataag  | ccatttcgaa  | gaacgaatgt | tgatgttctt  | cgatggggaa  | 779220 |
| gatttcgtgt  | tcgcgaatca  | gaatttctgc  | cggttcatat | aaattttctt  | tccacatttg  | 779280 |
| tcgtaatcgt  | acaagaatth  | gctgcaaata  | tactataatt | aactataggg  | gctgttataa  | 779340 |
| ttttgcgccg  | taataaaaaag | aattgaaatg  | gatatacaga | aattaaaagg  | gcatggagct  | 779400 |
| atgctcgctg  | cgaataacaat | gtggggactg  | atgtcaccgc | ttgccaaatt  | tgtaatgata  | 779460 |
| ggtggagtag  | ttacgccact  | tctggtaacc  | gatttacgtg | tttttgagc   | catggtattg  | 779520 |
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| ctgttcggtg  | cttcggttgt  | ggctatttgt  | ttcaatcagg | gatgttttat  | cttcggtgtg  | 779640 |
| ggtctgactt  | cgctgcca    | tgcttccatt  | attacgacca | gtatgccgct  | ttgggcgatg  | 779700 |
| attctggctg  | ccatttatct  | gaaagaaccg  | attaccggca | agaaagtctt  | gggtattgct  | 779760 |
| ttgggagcta  | ccggagcgct  | gctccttatt  | ctgggcagtc | agcaaaacgc  | tgctgcaagt  | 779820 |
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| gcactttata  | ttgtattggt  | caaggacttt  | gtgggtaaat | attccgtctt  | taccattatg  | 779940 |
| aaatggatgt  | ttacttatgc  | ttttatttgt  | gctttgcctt | tctcttacga  | cgacatatta  | 780000 |
| gccgttcagt  | ggactagcct  | gggagttgca  | gaatgccttt | cactggtatt  | tattgtagta  | 780060 |
| ggaagtacct  | tcctgagcta  | tatctttgtc  | atagttggtc | agaagcacct  | gcgtcctacc  | 780120 |
| gtagccggca  | tgtacaatta  | tgtacagcct  | attgtggctt | gtatcgtagc  | cgtttgctgg  | 780180 |
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| tatctggtaa  | ccatcagtcg  | tacgcgtgcc  | gaagtagaaa | agcacgaagc  | ttctatggca  | 780300 |
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| taacgaaacc  | tacatcgttg  | atgcctgcca  | gctcgccgcg | agcattgagg  | cgggacgttc  | 780480 |
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| ctgttacgca  | gtttaacatc  | gtttctttga  | tgaattctg  | ataatccgaa  | gggaataatt  | 780600 |
| cctttgaaaa  | gagcatgtcg  | gtcaggcggg  | ccatctccag | aggactactc  | cagttttcat  | 780660 |
| agcatgattc  | aggagcctgg  | tacatttgtt  | cctctgtctt | tgatatggcg  | aggcattcgg  | 780720 |
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| gatatagatt  | tccttcagga  | tattcatcac  | gcaggggact  | ataagtgtcg | ggatgcaatg | 780900 |
| cttctttcgc  | aatgaatact  | tcagtagaaa  | gcggctcgatt | gtgctggtgt | agaaagttag | 780960 |
| ctacagccag  | cgactgagga  | tattttacga  | cactcatcag  | cggataacga | gagtcgttgt | 781020 |
| ttaccgttac  | cgtatctttc  | ccgtcgatga  | tgacggctac  | tccaacttgt | gcccggatgg | 781080 |
| attcggtaac  | ttgtctgac   | tgtgattcca  | acgtatgctg  | ttgagcccgt | aatgtaagg  | 781140 |
| ctgtcaatgt  | acagagaaaa  | aagatgaatg  | tacgcatggt  | atctattgat | tttatggaat | 781200 |
| aaaggtagaa  | taatttacgg  | acaacttgaa  | atcttatttc  | caaaaactta | tacctttgca | 781260 |
| ggcatagatt  | gatgtttatt  | gcatgaatat  | gaccgactat  | ttgcttacga | cttcggtaac | 781320 |
| ggccgaagct  | ttatctccgg  | tatttgaaga  | agcagtagcg  | gttacttgct | gtaaagatta | 781380 |
| tactcctggt  | caggtggaag  | catgggtgca  | acgtgccaca  | tcttcccgtt | ggcaggaact | 781440 |
| gctttcgggc  | gatttgcat   | tcctggcagc  | tgtagccag   | ccttcgggcg | agggtgctgg | 781500 |
| atttatatcg  | gtaagaggcg  | acggctatct  | gcacagcctg  | ttgtacatc  | cggcacacca | 781560 |
| aagaagagga  | gtcgctctct  | ttctgcttcg  | tgccgctgag  | gaggaagccc | gtcgttcaga | 781620 |
| ggctcccgat  | ttattttcgg  | aagttagtct  | gacggcaaaa  | cctttttttc | tgtcgcagg  | 781680 |
| attttcggta  | gaacaggaac  | aaacgatgag  | agtaaacggt  | gtggagctga | ctaatttccg | 781740 |
| gatgagaaa   | ccgctgattt  | atcagcctga  | tgaagccgat  | ttcgacgaac | ttttgcagg  | 781800 |
| ctgggaagaa  | gctgtccgca  | gtactcatca  | tttcttttcg  | gaagaagaca | tcgaatatta | 781860 |
| caagcctttg  | gtccgcatga  | tttatcttcc  | cggagtggat  | ttatactgca | ttcgtaaccg | 781920 |
| ggaggaaagg  | atcgctgctt  | ttatgggatt  | gagtgggtgaa | cggattgaaa | tgctgtttgt | 781980 |
| agctccacag  | gaacagagaa  | agggatatgg  | cagcagactg  | atagactttg | ccttacgcga | 782040 |
| taaatatctg  | gacaggatag  | acgtgaacga  | acaaaattcc  | acggcagtc  | gcttttatct | 782100 |
| gaagaaaagg  | tttgaaatcg  | tgtcgcgcga  | tgcttctgat  | ggagcaggac | gtccgtttcc | 782160 |
| ggttttacat  | ttaaaattga  | aataagatga  | ataaagaaga  | tgataaaaaa | tgggagattc | 782220 |
| tccacagtga  | atatttgatt  | cgccgtccgt  | ggttgacggc  | acgtcgtgac | tgtgtacgct | 782280 |
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| tgattgccat  | tacgacagaa  | ggaaaattcc  | tgatggaacg  | tcagtaccgg | catgggctgc | 782400 |
| agtggacggg  | ctatgagatt  | tgtgccggtg  | tatgtgagaa  | aggcgaacag | ccgttggagt | 782460 |
| ctgccaaaag  | agagttgtac  | gaagaaaccg  | gatatgccgg  | aggaacgtgg | acggatttta | 782520 |
| tgacgctgtc  | ggccaatacc  | agtacgatga  | acaatctctg  | tcattgcttt | ttggcagaag | 782580 |
| gcgtggagca  | ggtttccgga  | cagcacctcg  | aaccgaccga  | agatataagc | attcatctgc | 782640 |
| tgtcggtgga  | ggaagtccgg  | gcattgctga  | ccggtaatga  | gatccgtcag | gcatgcatgg | 782700 |
| ctgctccttt  | gtggaagctg  | tttgccgagc  | gtcacttgct  | atgatgcttg | gtgacgctgg | 782760 |
| taggcgatac  | gtggcgtacc  | gttggaata   | tagataattc  | cgcagcgtgt | gaaaccattt | 782820 |
| ttctccacga  | ggtgttgcat  | gacctgtgtg  | tcagcatgcg  | tatcgatacg | cagattggga | 782880 |
| gtacgctgtg  | cacaccattc  | gatgcaagcc  | tcgaatatct  | cgtggcaact | gccgtcggaa | 782940 |
| gccagtcggt  | ggatgaccca  | ataaggtgct  | tcattccagcc | acttgccgct | ttcaatgtac | 783000 |
| gcataagtag  | gatcaggccc  | ttcgataaag  | caaaatgttc  | ctacaggtac | ttcctgttcg | 783060 |
| ttcaggcata  | cgtagcaatg  | tttctcggca  | atttcctgag  | caatcagttc | gcgttgcgga | 783120 |
| tatccgttga  | tccattgggtg | cgtattgcct  | gtagattgca  | taaagtttcg | ggctgcatcg | 783180 |
| aagatgtcca  | ttagtctgtc  | caggtcggag  | ttggtggcct  | gacgtattgt | tagttttatc | 783240 |
| ataacaacat  | tcatttttta  | agaggttctt  | gtcggttata  | ctttatcatt | tcaaaatctt | 783300 |
| gtcgtatatt  | tgttgccgta  | atcactcaat  | ggggcattag  | ctcatctggc | tagagcgttt | 783360 |
| gactggcagt  | caagaggtgg  | caggttcgag  | tcctgtatgc  | tccacacttc | cttctttttt | 783420 |
| cctctctttt  | tagctatcgg  | cgacgaggat  | attttccatg  | accaatataa | ccttcacttc | 783480 |
| tttataacgt  | gcgatacacg  | taagtgattt  | gcgtgcaaat  | gtaacgattt | tccggtacgc | 783540 |
| gaagactgga  | ctctcaaaat  | ttattttgaa  | gatagactac  | gaatgtgagg | agaatttcgg | 783600 |
| tcattttgtcg | tgacatgtct  | tttaaaacct  | ctcgacgtat  | ttttattttt | tgtacaaaaa | 783660 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| acaaaaactt  | ttgtacaaat  | tttattggaa  | acaaaacagg  | aacctttttg  | cttcttcagc  | 783720 |
| agaaaagattc | ctgtttctat  | ggggatattt  | acccagttgc  | tttatgaatg  | ttttgcctgt  | 783780 |
| cgagggtcttg | tttgtcagaa  | gaacagtcct  | ccgaagcaaa  | tctgtgtcag  | cttacatggc  | 783840 |
| ttcgagtag   | ttgtcgaaca  | gcggttgtaa  | cagctgggga  | atgtctactc  | cctgttgctt  | 783900 |
| gatatcctcc  | agacaagcct  | ttgccttata  | ggtaggggtg  | aaatacatct  | ggcgcttgct  | 783960 |
| ttgttttccc  | aaatctcttg  | taaccatttc  | cttcttttca  | atcagactga  | tggtcttcga  | 784020 |
| tgtgtgcgaa  | ggagtcatgc  | ccgtacgttc  | tacgatgggt  | cctgccgcca  | cggtttcgct  | 784080 |
| gccgatgctg  | cacaatacca  | ttgcctcggt  | cagtgaataa  | ccgtatgtag  | ttatcagttg  | 784140 |
| attttcaagt  | tcggagagag  | ccttttagcag | ctctctcatg  | acacatatac  | attttatttt  | 784200 |
| ttccatgcgt  | taaataaaca  | agtttacatt  | agcctgttct  | gcgcgctcca  | tgtaagtagc  | 784260 |
| cacacctccg  | atggtcacat  | tatccagcaa  | ttcttctttg  | ctaacgcccc  | tgacatccat  | 784320 |
| cgacatctgg  | caggctatga  | attctactcc  | attgtcgata  | gcctgctggc  | ggagtgatcc  | 784380 |
| aagtgaatca  | atacccttgc  | gctgcatgat  | atagcgcata  | atgcgtgttc  | cgataccgcc  | 784440 |
| catgttcata  | ttcgacagtt  | tcagcttcag  | tgaactggaa  | ggaagcatca  | tgccgaacat  | 784500 |
| ctttccgaaa  | atatctttct  | tcacttgccg  | tttgtgtact  | ttcttgatgg  | cattcagttc  | 784560 |
| ccagaacgta  | aagaatatcg  | ttactttctt  | tcccgtagca  | gcagctccgt  | tagccagcac  | 784620 |
| aaaggtagct  | aaagttttgt  | caaggctatc  | gctgaacaga  | atgaaagttt  | ttccagcttc  | 784680 |
| cgtattgatt  | tctctgacag  | ccttttcgca  | ggcagatgct  | ttttcaatca  | ctaccgata   | 784740 |
| cgtaccgttt  | gccgccgatt  | tctccagaaa  | acgattgccg  | gtacttttgc  | accatgcctc  | 784800 |
| ggcatcgccg  | gggaaacctg  | catcggttgc  | ccgtatctcg  | aggcgttcgc  | ccggattcag  | 784860 |
| ggtttctatg  | gtcttcttca  | gcttcatgat  | gggaccagga  | caactgaatgc | cgcaggcatc  | 784920 |
| tacttttatg  | accttttccg  | tagccggctg  | gcagcaggag  | gtagtggact  | ggcaggaaga  | 784980 |
| cgacggctgt  | tccggcaggc  | agacaggggt  | ggtggcagcc  | ttgtagggtc  | tgatacctcc  | 785040 |
| aatcaggttg  | cgcacatcct  | gataaccgtt  | gtctttcagg  | atgcaggatg  | ctaagtatcc  | 785100 |
| tcgcagtcct  | acaccgcagt  | aaacaaagac  | aggcttgtcg  | gacgggattt  | cgttcatgcg  | 785160 |
| ttcacgcaac  | tcgtcgagcg  | gtacgttgat  | ggctcctgga  | atcttttcta  | aactgtattc  | 785220 |
| gtcggctgta  | cgaacgtcca  | ccagcgttac  | ctttttcaag  | tcggcttgct  | ggagttcacg  | 785280 |
| ccagtacagc  | ggagtcattt  | tgccgctcag  | aatgttgctt  | gctacatacc  | ccgacaaggc  | 785340 |
| tacagggctt  | tttgccgacg  | agaaaggagg  | agcataggcg  | tgctccagtt  | ctgtcagggtc | 785400 |
| gtataccgtt  | ccgtttcgtt  | tgatgggtcag | cgcataattcg | tcgatacgtt  | tgtccactcc  | 785460 |
| atcgtagcct  | acaatctgtg  | ctccgtacaa  | cttgccgtcg  | gtaggagaga  | agggtgatttt | 785520 |
| tatatccagc  | atcgaggcac  | ccggataata  | accggcgtgt  | gagttggaat  | ggatagtagc  | 785580 |
| cgacagataa  | ggatatcca   | tttgcttcag  | tcgcttgga   | ggaagtccgg  | ttgaggctac  | 785640 |
| agtcaaatcg  | aatacttttg  | cgatggctgt  | gccgatagaa  | ccttcgtatt  | tgattttgtt  | 785700 |
| gccgaatacc  | atgttgctcg  | ccacgatacg  | agcctgacgg  | ttggccgggtc | cggcgaggaa  | 785760 |
| gttcaaccac  | ggcttggtgtg | tgatgggatg  | cggaaattct  | atcgcgctcg  | ctacggcata  | 785820 |
| gaccgattca  | tcggatgtct  | gcaagtattc  | gtttacataa  | atgccacgca  | tttccccgag  | 785880 |
| cttcagtcctg | gttctcggtt  | ccagacgagt  | ttcggctcgt  | acaccgatag  | agagcaatac  | 785940 |
| catttcggca  | ttcacttgga  | tgcccgaact  | gaagtggacg  | ctgatacctt  | cggctgtttt  | 786000 |
| ttcgaacgat  | tcgacagcct  | gttcagata   | cagccggaca  | cccttctgtt  | gcaggtgctc  | 786060 |
| gtgaaccaga  | gacgccatcg  | agtaatcgat  | agggtccatt  | acctgattgg  | ccatttctac  | 786120 |
| taccgaaact  | tcaatgccgc  | tgtggtgaag  | gttctccgcc  | atttccagac  | cgatgaagcc  | 786180 |
| gccgcctacg  | atgacagcgc  | gtttcacagc  | tttctgctgc  | atgtaactct  | tgatgcgggtc | 786240 |
| agtatcgttt  | acattttctca | gggtgaagat  | gccttcggta  | tcaatgcccg  | gcagaggcgg  | 786300 |
| acgtacggga  | gaggcacccg  | gcgagagcag  | cagtttgtcg  | tacgattcgg  | tataggtctt  | 786360 |
| tccggaagaa  | cgaacggtta  | cttccttctt  | cttcacgtcg  | atggccgtta  | cttccgaacg  | 786420 |
| cgtgcgtata  | tcgatgttga  | aacgttttcc  | gaatgattcg  | ggagtctgta  | cgaagaggcg  | 786480 |
| ttcacggtct  | tcgatgactc  | cgcctatata  | atagggcagg  | ccacaattgg  | cgtacgagat  | 786540 |

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|             |             |             |             |             |             |        |
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| gtattcacct  | ttttcgaata  | aaatgatttc  | ggcttttctct | gtgttgcggc  | ggatacgtgc  | 786600 |
| ggctgcggtc  | gctcctccgg  | ctactcctcc  | aatgatgatg  | tacttcatgt  | gtatattctt  | 786660 |
| ttttgtcggt  | attattttct  | tttgaaact   | ttttgcaaag  | aaaataatta  | attctttttg  | 786720 |
| aataaaattt  | ccgatggaaa  | atattttctg  | tttaatgctt  | attaacaaat  | ttgagctgct  | 786780 |
| tgtaaactgga | aaaagggag   | gaaaaggcag  | aatataggtc  | gcatttatcg  | tagcagacat  | 786840 |
| atTTTTtgat  | tacttttgag  | gctgtaaact  | tattaaataa  | aaacagatag  | atgaaaccaa  | 786900 |
| tacattacac  | actggcagct  | ttgttgctgg  | cttcgtcctc  | gctgtgggcg  | caaaccgatg  | 786960 |
| aaggatataa  | gtttgaaaca  | gtcgtaaacc  | agaaagtcac  | tcccgtaaaag | gatcaggcat  | 787020 |
| ccagcggtag  | gtgctggtgc  | tttgctacga  | cttcttttgt  | ggaagctgaa  | ctgttgcgctc | 787080 |
| agggaaaagg  | ggaatacgac  | ctttcgaaa   | tgtttatcgt  | acgccagaaa  | tacatgaatc  | 787140 |
| agctgaaggga | taatttcctg  | cgtaggggaa  | aggggaatat  | cggacaaggc  | agtattacga  | 787200 |
| caagtgggat  | tactgctttc  | aatcaggtag  | gtatcgtgcc  | ggaagagggt  | tatacgggca  | 787260 |
| tcaactatga  | ttcgaagttt  | cataatcata  | cggaactggt  | ggattatatg  | acggctattg  | 787320 |
| ccaagcaggc  | gattgacatg  | aagaagtgtt  | ctcctcagta  | cgagcagcta  | atgaacagtt  | 787380 |
| tgttcgatat  | ttatatggga  | aaactgcccg  | aaaagtttac  | ttataaagga  | aaggaatata  | 787440 |
| ctccgaagag  | ctttgccgaa  | agtctgggta  | tctgcacgga  | cgactatgtc  | atgctgacca  | 787500 |
| gctttacgca  | caagccgtat  | tacaaaccgt  | ttgaggtgga  | gattcccgac  | aactgggaac  | 787560 |
| acgaccgtat  | gtataacttg  | ccgctggatg  | aactgataga  | ggctaccgat  | catgcactga  | 787620 |
| ctaccggtta  | tacgggtgtgc | tgggacgggtg | acgtgagcga  | acggggcttt  | tctttctcga  | 787680 |
| acggagtggc  | tatcaatccg  | gaagtggacg  | atgtagacga  | gtataaggac  | agcgaccgtg  | 787740 |
| ctcgtggggg  | acaaatgacg  | aaacgtgacc  | gtctggctga  | ggttttccag  | ttcaagtatc  | 787800 |
| cttaccctga  | agtgaacgtg  | acaccggaaa  | tccgtcagca  | gggatatgaa  | tcgtttgcaa  | 787860 |
| cgaccgatga  | ccacttgatg  | catcttaccg  | gcattgccaa  | ggaccagaac  | ggtacgaagt  | 787920 |
| attatattac  | gaaaaactct  | tgggctgccc  | acagcaataa  | gtttgggggg  | tacctgaaca  | 787980 |
| tgctcgaaaag | ttatgtgcgt  | gccaagacca  | tttatgtaat  | gatgcacaag  | gatggacttc  | 788040 |
| ctaaggagtt  | gaaaaagaaa  | ttgggaataa  | aataagtgtg  | aagaataagg  | ctgtctcacg  | 788100 |
| aggcagcctt  | atttgttata  | actttatgat  | cattatccga  | tatgattcac  | ctttgttacg  | 788160 |
| attatgatac  | agcagtcatc  | aggttgacga  | ttgttatacc  | atatcgtctc  | cggctttggc  | 788220 |
| aaaggtaact  | ttaattgttt  | tatggaaggg  | aatgaaacgt  | gaaataatgg  | cgataaccag  | 788280 |
| tgttacgatg  | aacagccatc  | ccaatatctc  | ttttaatgcc  | agcagcaggc  | tttgttgctg  | 788340 |
| gaggggtatta | taaagggaag  | tcgtcgccat  | ttgagtagct  | tctgcatacc  | catgtccttg  | 788400 |
| gaccagaccg  | ctcgtgactg  | actgggagaa  | cttcgaggca  | gcaagcggat  | cggccatggt  | 788460 |
| gatggtttcg  | gacagcgagt  | gcatgtattt  | ttgttccagc  | cggtagaggg  | tattgctgta  | 788520 |
| aaaggaagta  | gcaatgatag  | gagccagtac  | cgaacggaag  | gtgatgagga  | aaaacgcgtt  | 788580 |
| cgaaagcaga  | aacttcggat  | tcaggtcttc  | tacagcaaac  | aatgcaaagg  | cgataatcag  | 788640 |
| ggaaagcatg  | ccaagtccgc  | gcaggaagat  | gggaaagtaa  | agcatttcgt  | atgtactttc  | 788700 |
| gggcgatatg  | ccgaagtaca  | ggataccgaa  | gaatgcggca  | aagcatgcca  | tgccctccggc | 788760 |
| tatgaagaaa  | cggaaacgcc  | agcgttgcca  | cctgaaccac  | cagaaacaaa  | tgaaggctcc  | 788820 |
| taacagatag  | ccgggtatga  | gccagatata  | aagtacgtag  | gagtgggtgg  | tatcgacctt  | 788880 |
| gagaatggag  | gtcatgtagt  | ttgtcagcag  | ggtagtcgag  | gtactgaaaa  | acatgataag  | 788940 |
| catcatgtag  | aagtagccca  | caatagcctt  | tggctggtat  | aagggtgcca  | gattgacgta  | 789000 |
| cggagtctga  | gaatgatact  | gcatccagac  | aaagaaagca  | atcaggatgg  | gagctataac  | 789060 |
| gatataggcg  | catatcttgt  | aagacgacat  | ccagtcgagc  | atTTTaccgt  | agttggcaac  | 789120 |
| gtacatcagc  | atcagcagtc  | cgatggcgat  | gacgaacatt  | tccgcaggt   | ggagctcttc  | 789180 |
| tatcgggatc  | ttcttcatgg  | gctggctgtg  | gcggtaacag  | atgataatga  | tcaggatggc  | 789240 |
| gagcaacagc  | aaaaccatca  | tgaagtagta  | catatacttc  | cagtcgtagt  | ggtaggcaag  | 789300 |
| ctctgcggtg  | agcaccatgg  | aaagctgtcc  | ccctccgtat  | accagcgggt  | agaaataaga  | 789360 |
| ataaaaattcg | ctgcggacgt  | tcttcggact  | gaatattttc  | tgtgcgtgac  | gaatgaacca  | 789420 |

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|-------------|-------------|-------------|-------------|------------|-------------|--------|
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| gctttgcgag  | cggg'gcgata | tccaactgag  | tatgatctgc  | aaggacaggt | ctgccagcaa  | 789540 |
| taagaacttg  | gtggaaaagg  | cagccagtac  | tttgggtacg  | atgggatagg | cgatggccat  | 789600 |
| acctaccgaa  | gcagcataat  | atcccatggt  | aatatcttct  | gtgttggtac | ctaactgtgt  | 789660 |
| cgaaacttcc  | agcatactgc  | cggtatacga  | gccgttgagc  | atggttaccg | gaagaatgat  | 789720 |
| gataaagaca  | cttgccagtg  | ccagccagtt  | gggaacccat  | ttccgtacgg | gaagtcccag  | 789780 |
| ttctctcatg  | ttgatcattt  | gcgtagggct  | tctgttttcta | ccatcattcc | ggcgcgcaag  | 789840 |
| tgtgtgctgt  | cttcttccact | aatgtctatg  | atgtcaatac  | ggacagggat | acgttggtgt  | 789900 |
| acctttacaa  | aatttccctgc | cgagttgtcg  | gtcggtagca  | gagagtattt | ggagccgggt  | 789960 |
| gcttcggaaa  | tagcggtaac  | ttttccgtta  | aagacttttc  | cgggcagggc | atctaccttg  | 790020 |
| atgcggaccg  | gctgtccgat  | gtagatattt  | acgatttgcg  | tttccttgta | gttggcggtta | 790080 |
| atccatttgt  | ctttgctacg  | gaccaggtag  | gaaatggtct  | gaccggcttg | tacaaattgt  | 790140 |
| ccgggttcta  | gagtgcggcg  | tcccatatac  | ccgtcgttaag | gagctgtgac | tacggtatac  | 790200 |
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| ctagtatttt  | tcttgctggc  | ctccttatac  | tgcgagaggg  | ctatgcgttt | ctgttcgagc  | 790320 |
| agtgcctgat  | aacgtgcctg  | agccgcacat  | taggctgctt  | tggcttggtc | gtattgctgt  | 790380 |
| tcgggaacgg  | attcttcttt  | cagtagtcgc  | tcaaaacgat  | gatagtcttg | ttccagttgc  | 790440 |
| cacaacttgg  | ctttggcttc  | agcaatgttg  | gcttcctgca  | cggcaatggt | ggtgtgtgag  | 790500 |
| gtttcaatcc  | ccgaatgaag  | cgcatctttt  | gaaccctcgg  | catccagcaa | ggcagcttcg  | 790560 |
| gcctctttca  | ctcttatctg  | atattcgcga  | ttatcgagta  | ccagcaatgt | atctccttga  | 790620 |
| tgtacaagct  | gatgttccgt  | aaaacgcact  | tctttgatat  | atcctgtagc | gcggatattc  | 790680 |
| agtgggataa  | catattgatc  | gacaaaagca  | tcgtttgtaa  | cttcatagtt | gaagtagcgc  | 790740 |
| cagaagtagt  | tggcagtcga  | ccataatccg  | gagccggcca  | gcgcaatgca | aatgaggttt  | 790800 |
| agtatgatgt  | tgcgaaactcg | tagctttttg  | agtttctgct  | gttttacttt | tagttccgac  | 790860 |
| ataaaaagtt  | gaggttaagt  | taatgtttta  | aagtcgtccg  | catgcgcggt | ccagctgata  | 790920 |
| gtaagtgaag  | attactcgtg  | tccgggctga  | ggtaagttga  | agctccgcat | tcaggcgaac  | 790980 |
| cgaattggca  | tccagcaaat  | cgggtcaatat | ggctagctgg  | ctcaggtatc | ggttttgcat  | 791040 |
| gatccggtag  | ttttcttggt  | cctgtttgac  | tgaagtttc   | aaggcttcta | cttggttgcaa | 791100 |
| ggcttcacgg  | tgacggagat  | aggccgtacg  | tacgttgact  | ttgatttggt | gtatcttctg  | 791160 |
| ttcttccgta  | ttctgactga  | gcgtgacagc  | cagtttactc  | tccttaattt | tgtgattggt  | 791220 |
| cttgtaaagc  | gacgaaagcg  | ggtaagatac  | tgacaatccg  | atgttccagt | tattgttgta  | 791280 |
| catatcgacc  | atcgttcttg  | agataggccg  | tgccaaggta  | ttcgaatgct | agagcgatac  | 791340 |
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| ccggagtaac  | cggatggcag  | ggtcgttcat  | gcaggcttgc  | gctacataat | cgtcgtattg  | 791460 |
| ctcgaagggt  | actgcccgat  | aaagcagggt  | tgtgtcgggc  | agcaacaaac | ggttttcatc  | 791520 |
| aatgccaagc  | aggatattca  | gttgctggga  | taccagtata  | atactgttct | ctgtttccgt  | 791580 |
| cagcgaaaagg | cggctcgttg  | taagttgcat  | ttcactgcgc  | aacacatcgt | tgttcgtaat  | 791640 |
| caggccttcc  | tttttcatct  | ggcggatatc  | tttcaggcgc  | cgttccgatt | cttcgatgtt  | 791700 |
| tcgggtgaga  | acatcgtgct  | ggcgatacaa  | gctgaacaga  | ctcatgtatt | gttccagcag  | 791760 |
| gctgagtttc  | acatccgcgc  | ggtcggtagc  | agtctgcaag  | gaagccacgc | tcttctgtaa  | 791820 |
| gtcggctttg  | cggatggagt  | aatgtatttt  | gcctccttgg  | tataaaggct | gtgtaaagtc  | 791880 |
| gactgcatag  | ttttgcatcc  | agtcgggagt  | atcaggataa  | gtgggcgacg | acagaccgcg  | 791940 |
| ctgaaacaca  | atcggctgcc  | ccacgattcc  | tccctttaac  | ccgatttgta | agtcgggaag  | 792000 |
| ccgtggagta  | cgggctgtct  | ggctttgttc  | gtgagcgata  | gattctttca | tcagatctgc  | 792060 |
| ttgaattttc  | agactgtttt  | ccgtacccaa  | ccgaaaaagc  | tcgtcgatgg | tcaggtacaa  | 792120 |
| ggaatctgcc  | ggagaagcca  | ggcagccggc  | gctgctgccg  | agtaatagaa | agataaataa  | 792180 |
| gaatttagat  | attttcgagt  | acattgtata  | ctgaattgag  | ttcggacatc | atgactttta  | 792240 |
| tgcttccag   | tcctattgtc  | tgttcggcgt  | ttacatatac  | ttggtcgagt | atgggacgaa  | 792300 |

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| tttgatttcg  | gaattcttct | ccttcgttcg  | tcagaaaaac  | cagtttgctc  | cggcgggtcg  | 792360 |
| ttggatcttc  | ttcccgtcgg | acgtaacctt  | ttttctccag  | attattcatc  | aagttgggtca | 792420 |
| gacatgcttt  | atccttggcg | gtacgctctg  | ccagtacttg  | ctgtgtaatg  | ccttgttcat  | 792480 |
| gccaaagtct  | gctcagtagc | tgtaacattt  | cgaatgtgat  | tcctgcattg  | tttctcttca  | 792540 |
| atgtccgttg  | cattgccctg | cgaaatgcc   | tgcgggtgcg  | gaagacttgc  | agcatcaatt  | 792600 |
| ctctgaattc  | agtttcttct | ctcataaata  | attattctcg  | ttttcggggg  | ctgcaaagggt | 792660 |
| aggcattttt  | attgaattag | tcaaataatt  | gactaatcag  | ggccgactgt  | tttagaaatt  | 792720 |
| tatggtaaaa  | aaacttttct | tttctgatgc  | agacacttgg  | aagttgcagt  | tatatacttc  | 792780 |
| tattacagat  | agtacataac | tgcttcattc  | ttatttttct  | tcggagggtg  | cttcgtcttt  | 792840 |
| acgcatgctg  | aattcgcctc | cgcagtagcg  | ctggttgtaa  | aaattatatt  | ctttgatgat  | 792900 |
| ggcgatacgg  | cgttcgcctc | gtcctccttt  | tcgccagttc  | tgttcccacc  | aggttacatc  | 792960 |
| cgggtagggg  | tctacggcgt | agtgtccggc  | ctgattaatt  | tgttccagac  | ttttccagcg  | 793020 |
| tgaagaagca  | agggtgggtg | tgataaccgt  | gaagccgttt  | tcattgtgat  | agcgtgccgt  | 793080 |
| atcgcgcagg  | cgcattctga | aacattgcag  | gcaacgtccg  | cctcgttcgg  | gttcattctc  | 793140 |
| aagtcctttt  | accgtgcctc | tccattcttc  | gtgatcgtag  | tcggcatcca  | cgatatcgag  | 793200 |
| tcccagcgaa  | cgggcataac | gggaacattc  | atttttacgg  | atattatatt  | cctccagtgg  | 793260 |
| ataaatattg  | gggttacagt | aatagatggg  | tggtcgtatg  | tcgtgctgca  | tcaggcattc  | 793320 |
| aataattgca  | gatgagcagg | gcgcacagca  | agtgtggagc  | aaaacgcgtt  | ttgcatcacc  | 793380 |
| cggcacttcc  | aattgtaaag | ttttcttttt  | catgtcattt  | tgaggatagt  | catttccatt  | 793440 |
| gcaaaaataa  | cttttttggt | tgtgaaccgg  | aagtactcgt  | tttcttttct  | ctatgttgga  | 793500 |
| ccggaaatga  | tattagtgc  | tcgggtaaaa  | aacaagagaa  | ccctgtcatg  | ttctatcgca  | 793560 |
| tgaatgaca   | ggattctctt | tatggaaatg  | aaatagtctg  | tatttcagat  | aagagagtct  | 793620 |
| gaaaaagacg  | tattcttttt | gccgctttta  | agtgaaggtt  | atttttattt  | aaattcttct  | 793680 |
| ttcatgtcaa  | gctcgttgcc | gtgtacatcg  | tagaatttat  | attccaggag  | ggcaagactc  | 793740 |
| tgattgggta  | tgatttttat | accaaatacca | aacttcatct  | gccatttgcg  | ttttagagaa  | 793800 |
| acaattccct  | gattgatgta | tgcagcaaca  | taagggtgga  | tgtgtaatgt  | aaatttcttg  | 793860 |
| accttcagtt  | tattgaccag | gtagtcaatt  | ttactttcca  | gcgtatctgt  | aaatagtatg  | 793920 |
| gaaggtttta  | tctttccttt | tccaaaacaa  | gtagggcagt  | cttcacgggt  | tgtaacgtcc  | 793980 |
| attgcggggc  | gtactctctg | acgggttatc  | tgcattaatc  | cgaatttact  | gagcggcaga  | 794040 |
| atgttggtg   | ttgcgcgggt | cttttgcatg  | ttttggcaca  | tacgttcgta  | tagtttctgt  | 794100 |
| cggttttcag  | ccagattcat | gtcgatgaag  | tcgactacaa  | taatacctcc  | catatccctc  | 794160 |
| aatcggagtt  | gtcgtgccc  | ttcatcggca  | gtccccaagt  | ttacatcaag  | cgcgttcgcc  | 794220 |
| tcttgccgt   | tagctgattt | agagcgggtt  | ccactgttta  | cgtctactac  | atgcaacgct  | 794280 |
| tcagtatgtt  | ctatgataag | gtaagctccg  | ctcttgatg   | aaaccgtttt  | tccgaacgat  | 794340 |
| gatttgattt  | gcttggtaat | ggcaaagtta  | tcaaaaatgg  | gaagttgacc  | tttgtaaagc  | 794400 |
| ttgacgatac  | ccgaacgttc | gggagcgata  | agcgttacat  | aattcttttac | ttcgttgtaa  | 794460 |
| acgctctcat  | cgtttacata | aatattttcg  | tacgaagggt  | taaacagatc  | gcgcagcatg  | 794520 |
| gctacggtgc  | gacttgtttc | ttcgtatacc  | agtgaaggca  | gtttgggttg  | cttttggtact | 794580 |
| tttgtaaatg  | tatcttccca | atgtttcagc  | aataccttca  | gctcggcatc  | cagttctgcc  | 794640 |
| acgcgtttgc  | cttcggctac | agtacgtacg  | attactccga  | aattcttggg  | cttgatgctc  | 794700 |
| tgcatgagct  | gtttcaggcg | tgacgttctt  | tcgcttgact  | tgattttctg  | ggataccgaa  | 794760 |
| actttatcgt  | taaatggaat | cagcacgagg  | taacgtccgg  | caaaagacaa  | ttcgcaggct  | 794820 |
| agtcgcgggt  | ctttgggtga | gattgggtcc  | tttacgatct  | gtacgataac  | ttcctgtcct  | 794880 |
| tggtgcagta  | cggtagagat | tgttccgtct  | ttgtcgatgt  | cgggcagaa   | ggaagctttc  | 794940 |
| gacatgggat  | aaagtcttct | tttgtcgtg   | ataacttgct  | tcagataact  | ctggtaagaa  | 795000 |
| gtaaatgag   | gtccgaggct | taagtagtga  | aggaaagcgt  | ctttttcgaa  | gccgacatct  | 795060 |
| acaaagcagg  | cattcagctc | gggcatgagc  | ttgcgcactt  | taccacgta   | catattccca  | 795120 |
| acagagaaaag | aaagatttct | ctcttctttt  | tggaatttcta | ccagatttct  | gtcttccaga  | 795180 |



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|             |             |            |            |             |             |        |
|-------------|-------------|------------|------------|-------------|-------------|--------|
| agtgcgatag  | aaatctcttt  | gggctgtaca | tctactacta | attcgcttgt  | cacttggttac | 795240 |
| ttagtttttaa | gagtgttaat  | aatgcatttc | cattatgcag | gtttgtgttc  | tgcactttca  | 795300 |
| taatacacaa  | agaacaaacc  | tgaaagacta | gtaggagctt | tacaagtttg  | ttctttattg  | 795360 |
| aagtcggaca  | gactaacaat  | tatTTTTTgc | ttttatgtct | gttctttctt  | agtctttttt  | 795420 |
| tacgcttgtg  | tgtagacatt  | ttatgtcttt | ttcttttctt | tccgctaggc  | atacttggtta | 795480 |
| aatttatagg  | gttaataacta | atgttaattt | atTTTTttac | tgaaagagta  | aatgtttttg  | 795540 |
| ctggtttgaa  | tgccggaatg  | ttgtgctccg | gaatgataat | agttgtattc  | tttgaaatgt  | 795600 |
| tacgggcagt  | cttctgcgct  | cttttcttca | caatgaaact | gccgaaacca  | cgaagggtata | 795660 |
| cgttttcgtc  | gtttgacaat  | gattctttta | ctgaatccat | aaacgcttca  | agcgtagtca  | 795720 |
| ggactgttgc  | cttatcaata  | cctgtgtttt | tagcaatttc | gtttacaata  | tctgcttttag | 795780 |
| tcatttcgct  | aataattatt  | gttatacgtt | atcttaattt | tttggttgc   | aaatatatag  | 795840 |
| cttttcttgt  | tctcaaagaa  | atcttcttcg | aacaaatttt | ataaaaagtg  | gcctaggctt  | 795900 |
| tgctaaaacg  | cttatTTTTg  | ccctgaaatt | aattggtata | aatattgaaa  | tgtcatttta  | 795960 |
| aatgagtttg  | ctaggcgata  | aaattataga | ttggtataag | gataatgggc  | gtaatttacc  | 796020 |
| ttggcgaaat  | acgaaaaatc  | cttataaaat | atggatttcg | gaaattattt  | tgcagcaaac  | 796080 |
| acgtgtcgtc  | caaggatacg  | attattattg | ccgttttatc | gagcgtttcc  | ccgattttca  | 796140 |
| gacattggca  | gaggcggacg  | aggatgaggt | aatgaagtac | tggcaggggac | tgggctatta  | 796200 |
| ttctcgtgcc  | agaaatctcc  | atgaggcagc | tcgttctata | gctgaaaaag  | ggacttttcc  | 796260 |
| cgatacgtat  | cccgaagtgc  | ggaacttgaa | gggggtaggt | gattatactg  | cggctgctat  | 796320 |
| ctgttccttt  | gcctatgata  | tgccttgtgc | cgttgtcgat | ggtaacgtgt  | atcgggttat  | 796380 |
| ctctcgttgg  | atgggggtgg  | aagaaccgat | tgatacaggt | gccggcaaga  | aagtttttgc  | 796440 |
| ggctttggcc  | gacgagttat  | tggataagga | acaacctgcg | ttgtataatc  | aggccataat  | 796500 |
| ggatttttgt  | gccttgcaat  | gcgtaccttc | ttctccttcg | tgtatgcttt  | gtccgctatc  | 796560 |
| ggatagtgtg  | gtggctttac  | aaaaaggact | ggtggaagag | ttgccacgca  | aagtgcataa  | 796620 |
| aacgaagggt  | tcgaatcgtt  | atttccatta | tttctatgtg | cgtgcagggtg | cttataccta  | 796680 |
| tatatataaa  | cgggggtatag | gtgacatttg | gcgtaatttg | tatgaattcc  | ctttgataga  | 796740 |
| aaccgagacg  | gagcttgacg  | aacaagggtg | attgcaactc | tcgcagtttg  | cgacattggt  | 796800 |
| tggaaattgt  | gaggttgata  | atatcaagtt | ggtagcgaaa | aatgtaaaac  | atgttttgtc  | 796860 |
| gcatcgggtt  | atttatgcgg  | attgctatga | gattgagata | cccgaacag   | cttgtgtggg  | 796920 |
| cggtgcttat  | cagcgtgttt  | tgattgacga | tttgcataaa | tttctgttac  | cccgttgac   | 796980 |
| atctcgtttt  | ttttctctaa  | ttttggaaca | aaatatTTaa | aagataagag  | attatgtcat  | 797040 |
| taaataaagc  | tcagttgatt  | ggcaatgtgg | gaaaagatcc | cgacgtgcgt  | tatctggata  | 797100 |
| gtggtgtggt  | tgtggcaaca  | tttctctggt | cgactaccga | tcgtgcttat  | actttaccca  | 797160 |
| atggtacaca  | agtccccgaa  | cggacagaat | ggcacaatat | cgtattgtgg  | cgcgcccttg  | 797220 |
| ctgaaactgc  | ggagaaatat  | gtacacaaag | gtgataaact | gtatattgaa  | ggaaagatac  | 797280 |
| gttcccgttc  | gtacgatgac  | cagaatggag | taaagcgtaa | tgttgtggag  | atctttgccg  | 797340 |
| ataatatgga  | aatgcttaca  | ccgcgttccg | cacagcctgc | tccggctcag  | cctgcacagt  | 797400 |
| ctgctgctcc  | tcagcagtct  | gctccagctc | aatcatcgca | gtcggctgat  | gcttccgatg  | 797460 |
| acttgccatt  | ttaaattgacg | aaactctttc | actacagact | ggtttaggat  | gaatagaatg  | 797520 |
| aatccgtatg  | tctcgtctgt  | tgtgaaagaa | aaaagaaaat | tgatgtttaa  | ctaaattttg  | 797580 |
| attccttgga  | ccctgactcg  | tgtatatcct | atttgcggga | tttatgtgac  | ggagtgaccg  | 797640 |
| tcgttccccc  | tacaatgggg  | gctatgattg | cattgatact | tgcaatttta  | cttttgatatg | 797700 |
| catctggctt  | tgtttcggct  | tccgaaatag | cttttttttc | gctttctcct  | tccgatctta  | 797760 |
| gtaaaattga  | agagaatgag  | catccatctg | attcgcgtat | caaagcgttg  | cttgatgatt  | 797820 |
| cggaacgcct  | gcttgcaaca  | atccttattt | cgaataattt | tgtcaatgtg  | acgattatca  | 797880 |
| tgctgtgcaa  | tttctttttt  | gccagtgtgg | tagatttttg | caatgctaaa  | ttgttggaat  | 797940 |
| tcttacttat  | cacggttgta  | cttacgtttt | tgttgctact | ctttggtgaa  | attatgccga  | 798000 |
| aaatttattc  | agcacagaat  | acgttgaat  | tctgtcgtaa | ggcggctcct  | gtaatttctg  | 798060 |

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|             |             |            |            |            |             |        |
|-------------|-------------|------------|------------|------------|-------------|--------|
| tattgctttc  | tgtctttaaa  | ccggtttcaa | atgtgctggt | acattctact | tttctgatca  | 798120 |
| ataagttgac  | acgtaagcgg  | aaagttccaa | atctgtctgt | cgatgatctt | tcacaggcgc  | 798180 |
| tggaattgac  | tgataagaat  | gagatttcag | aagaaagtaa | tatgctgaaa | ggaatcattc  | 798240 |
| ggtttggtga  | agaaacggcg  | gaagaagtta | tgacttctcg | actggatatt | gtcgatttgg  | 798300 |
| aatcaatac   | tccattccct  | gatgtcatta | agtgtatcgt | agataatgct | tattcacgta  | 798360 |
| ttccggtata  | tgaagaatcg  | cgtgacaata | tcaagggtat | tttgtatatt | aaagatctgc  | 798420 |
| tgcttatct   | tgataaaggt  | gctgacttta | aatggcagaa | cttgattcgt | ccggcatatt  | 798480 |
| ttgtcccga   | aacaaagatg  | atagatgatt | tattgctgga | ttttcaggca | aacaaaattc  | 798540 |
| acattgctat  | tgtagtcgat  | gagtttggag | gtacgtcggg | cattgtgacg | atggaagata  | 798600 |
| tcattgaaga  | aattgtcggg  | gaaataaacg | atgagtagca | tgaggaagag | cgtacgtatg  | 798660 |
| tgaaaatatc  | cgagaatgtg  | tatatattcg | aaggaaagac | gttattgtct | gattttctaca | 798720 |
| agttggcaga  | aattgatccg  | gatgattttg | agagtgtggc | aggcgatgcc | gatacactgg  | 798780 |
| ctggtttgct  | gctggagttg  | aagggagaat | ttcctatatt | acacgaagta | atcaactttg  | 798840 |
| accgttaccg  | atgtgaaatt  | cttgagatgg | atgcccgctg | tattgtgaaa | gtaaaggtaa  | 798900 |
| cagtcggtaa  | gaagactgaa  | aaggaaaaag | aggaatagca | atatgccatt | gtggaaagaa  | 798960 |
| tggactgaag  | agggagcacg  | cttcgcaatc | tggcaggtag | gggaaacagt | tggagagtta  | 799020 |
| cggaagaggc  | tgacttcttc  | ttcattgcct | tacgatgaag | aacttgcatt | ccttaaggca  | 799080 |
| gaatcacgac  | ggttgaata   | tttggtggta | cgggttctgc | tgtgtacatt | gtgcggcgaa  | 799140 |
| gaaaagcaga  | ttaaaccatct | tccgtcggga | aaaccttatc | ttgctgacgg | aagttttcat  | 799200 |
| attaccattt  | cccatacacg  | gggatattgt | gctatcggct | tgcatccaca | acgagagggtg | 799260 |
| ggtattgata  | tcgagtatgt  | atccgaacgt | gtccgtaagg | tcgttgaccg | gtttatgtat  | 799320 |
| ccagaagaat  | ttaatgaatc  | gacagacact | tcttatctgc | ttgtgcattg | gtcggctaaa  | 799380 |
| gaaacaatgt  | ataagatgat  | ggggatggaa | gaggtcgatt | tcctgcaaca | tcttcgcgtg  | 799440 |
| tatccgttcc  | ggcttttacc  | agaggggcag | tgcgaagggc | aagagtttcg | caccgagcgt  | 799500 |
| agagcatgtt  | tcagtttgca  | ttatctggtg | aattctgagt | tcgtatgtac | gtggtgtgta  | 799560 |
| aattaaaaaa  | attcccttgt  | catttcctat | aataataaag | gcttgacaag | ggaattttga  | 799620 |
| gtacattcaa  | cagatagagt  | atacgtcctt | aaattaattt | tctttgttct | tttgcaagggt | 799680 |
| aaagacaaat  | tccaatccgc  | cgtgaggatt | gttcttggcg | aagattgttc | ctccgtggaa  | 799740 |
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| tcctttgtct  | acgcggtaga  | aacgttcgaa | tagacggttc | aggtgttctt | ccggtactcc  | 799860 |
| tactccggtg  | tcggaaaaac  | tgaagtaata | gaatttctcg | tcttcgcgga | agcagttgat  | 799920 |
| tgtaactgtt  | actcctgttc  | ctgcataggc | aatggcattg | tccatcagat | tgcggaaaaat | 799980 |
| agaataaaatc | agtgaactgt  | ttccttccag | tttcaagttg | aatggtagtt | tgttgaccac  | 800040 |
| ttttattttgt | ttttcttcca  | ggttcaatgc | aacttcattc | aacatgtttt | ctataatctt  | 800100 |
| gctcaggctc  | acagtttcaa  | tttctaccag | atgaggagct | tcgtccatgc | gtgtcagtag  | 800160 |
| cgatatatca  | cgtagtaaaa  | tagtaagtcg | gttactttgt | gcataactgc | gttccagaaa  | 800220 |
| cgtatgcatt  | atttcaggag  | aaatattcgg | gttgttcaga | atcgtttcca | gataaccttg  | 800280 |
| tatactgctt  | accggtgttt  | tcagttcgtg | tgcgatattc | tgggtaagtt | gtcgtttcaa  | 800340 |
| tcgtgcctgt  | tcttcttctt  | gagtgatatc | gatgatggaa | atttcaaagg | catgatcctg  | 800400 |
| aaagatgatg  | cactctacgg  | aaaatgaacg | tgcattctta | tcgatatgca | acgaaaatct  | 800460 |
| tttttcttct  | ttatggaaat  | ttccttcggt | tctgtttaag | aagtcggtaa | taggtgccag  | 800520 |
| ttccggaatg  | gaaaatacct  | cttcagtaga | tgccagattg | tggcggata  | tggatttggc  | 800580 |
| atattgagtg  | aataggttat  | tgactaaaat | ctcatttctg | tcgcggtga  | atacacctaa  | 800640 |
| tcctcgtgt   | gaggtttcta  | agtgaatat  | caatttctca | cgttcaatgt | ataaggcttc  | 800700 |
| ttttgcccgg  | tgaagacgtt  | tgtatatctt | aatgatatgc | tgtgagattt | ctcccagttc  | 800760 |
| atttttggga  | aatgtttcta  | aaatatctag | gtctatcggc | tcattgcggg | cggctttcag  | 800820 |
| ggcaaaactgt | tgcaactgag  | taatagaagt | ccccagttta | tgtgtaaaac | gatagaaaag  | 800880 |
| agtcacagtg  | atcagactga  | tgataattgt | aaaccagaca | aatccagagt | ccgcacgcag  | 800940 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| atgttcactt  | aaacttacat  | tataagggag  | tgcggaacgt  | ataattagtt  | gctgggatgg  | 801000 |
| ataataatgg  | gcagaataaa  | agaattcttc  | tccgttcagg  | ctttctgaat  | aacggctgat  | 801060 |
| ggaatatccg  | ctgccataca  | tcagggcatc  | ttgtacctct  | tttcggaagc  | tgtgattctt  | 801120 |
| aaacagactt  | atatccttct  | gggtattgtc  | ataaagcact  | tcaccttccg  | cagttatgag  | 801180 |
| ggttacccgt  | aggttgggta  | tcatgtgcgt  | agtgcacatg  | tggtgcaagg  | tatctatgct  | 801240 |
| gaaattctcg  | ttttcgttga  | taaaatcata  | taattgtgca  | ttataattct  | gcaactgtgt  | 801300 |
| gttcagtaat  | tcgctcttat  | aagacttttc  | gcgctggtac  | tgaaacagca  | taaagcagac  | 801360 |
| agcaaaggca  | agaaacagtg  | tgacaaccga  | aagaaacagc  | cgtttgctga  | agggtagtaa  | 801420 |
| gcggtatgaa  | agtttagtca  | tgatggcctt  | ttaatgaatt  | attcacattc  | gaaacagtaa  | 801480 |
| ccgtatccga  | ggcgggttac  | tatgtattta  | ccgtaattcc  | ctatcttttt  | acgcaaacga  | 801540 |
| gtaatgttta  | cgtcgatggg  | ccggtcgagt  | acataactt   | cttcgtgcca  | tacttttgcc  | 801600 |
| agaatatctt  | cacgtgagaa  | cactcgtccc  | tgattttgta  | acagcagcag  | taaaatttca  | 801660 |
| aactcttttt  | tggtaaagaga | cacttcttcg  | tcgtctattg  | ttactttctt  | ttgtggaata  | 801720 |
| ttgataataa  | gtcccttgta  | ttgtagctgt  | tcttcttctt  | ttacttgtag  | gctggctgta  | 801780 |
| cggcgtaata  | cagcctttac  | acgcatgatt  | acttcacgca  | gagagaacgg  | cttgagata   | 801840 |
| taatcgtctg  | ctcctaagtt  | gaatccggta  | attgtatcgt  | tttctgtgtc  | ttttgctgtg  | 801900 |
| ataaaaaataa | tgggtatttc  | agccgtgtct  | ttatcagctt  | tcagcatgcg  | tgccatttta  | 801960 |
| aaaccggata  | tttctcccat  | cataacatcc  | agaagtaata  | aattgtattg  | tttgatatcc  | 802020 |
| agtttaagcg  | cttcttcagc  | agagttggct  | gtatctactg  | tatatccttc  | catctcgaga  | 802080 |
| ttgaacttca  | gaatctcaca  | aaggctcttc  | tcatcgtcta  | caacaagaat  | gcgataattg  | 802140 |
| ttcatagtcg  | tttgtttatt  | attgattggg  | gcaaaggtgg  | tatctttttg  | tttcgtcacg  | 802200 |
| atgaaataga  | tgttacgaaa  | atgttacaac  | tcgggtcttg  | agaattctcc  | tgcaatggaa  | 802260 |
| cggctcatct  | cggtagctac  | ttctttggga  | cttagattat  | gtccgagtag  | aaacattaat  | 802320 |
| ttggtagcag  | cactttctac  | cgtagcatca  | tatccgctaa  | tcactccggc  | atcgagcaag  | 802380 |
| tgtagtcctg  | tttcatatcg  | tcccatttcc  | accattcccg  | cagggcattg  | ggagatatcc  | 802440 |
| acgataataa  | tacctcgttg  | cgtcgcttcc  | tttagcaggc  | ggataaacca  | gggcttttgt  | 802500 |
| ggagcatttc  | ccgagccgta  | tgttttgagg  | actacagcct  | tcaagcctgg  | actttggaat  | 802560 |
| atgttgctga  | ctacattttc  | ttgtatgcct  | gggaaaatag  | ttagaatcag  | tacatttgta  | 802620 |
| ttgaacacgt  | aatgtgggat  | cattggcagg  | ttagggtcag  | ctttgcgaat  | gcggctcgat  | 802680 |
| tcatacttta  | tatgtatacc  | tacagtagct  | aaagggggat  | agttgtacga  | acggaaagca  | 802740 |
| ttgaagtttt  | ctgcattgat  | ctttgtcgta  | cgatttccgc  | gcagcaatag  | attttcaaag  | 802800 |
| aagatacata  | cttcgggtac  | aatagctcgt  | ccatccggat  | atttggcagc  | agctattttcg | 802860 |
| atggaagtaa  | tcagattttc  | ttttccatcg  | gtacgaagta  | cgccgatagg  | aagctgactt  | 802920 |
| cctgtcaaga  | tgacaggttt  | gcttaggttt  | tccagcataa  | agctgagcgc  | cgacgcagta  | 802980 |
| taagccatgg  | tatctgttcc  | gtgtagaatg  | acgaaacat   | cgaagttatc  | ataattgtaa  | 803040 |
| tgaataatct  | ttaccaatth  | gctccataag  | gcaggttcca  | tatcagatga  | atcaatggga  | 803100 |
| ggattgaaat  | ggtaagacga  | tatacgataa  | ttaaaacgtt  | tcaattccgg  | aacattttct  | 803160 |
| tgaagttggg  | cgaagttaaa  | agcttccagc  | gctccagttt  | ccggattttc  | gatcattcca  | 803220 |
| atcgtagctc  | cagtgtaaat  | tagcaaaacg  | gaaggataat  | ctggcttaat  | catgttcgtg  | 803280 |
| tctattgctt  | atthttgtcac | aaagatacat  | aaaagagttt  | taactatgca  | aaaattgaat  | 803340 |
| taataaaaata | acaaaatgct  | tgthttttatg | tgataaatca  | attgtatata  | cccttgata   | 803400 |
| gtttcactct  | tttatgtttt  | ggacttggtg  | gctttcactt  | tttttattgt  | gctaacaaac  | 803460 |
| tcttcaggcg  | gtcggcagct  | tttgagcat   | ctccttgttc  | ttcgttcaat  | aatgtgataa  | 803520 |
| atthactgcc  | tatgatacat  | ccagaagcat  | gtgaggcggc  | agtctcgtag  | gtttgtttgt  | 803580 |
| ttgatatacc  | gaaacctatc  | atacgagggt  | tatgtagttt  | catatthttct | atthcgcttga | 803640 |
| agtaggcctg  | tttctgtcta  | tcgaaattht  | tctgagctcc  | ggtagtggca  | gccgaagaga  | 803700 |
| ccatgtagat  | gaatccgtcg  | gtgtgctggg  | ctatthtcgcg | gatacgttct  | tcgctggttt  | 803760 |
| cgggagttat  | cagcatgatg  | atgctgcagat | catatcgthc  | agctatggga  | cggatthctt  | 803820 |

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|             |             |             |            |             |             |        |
|-------------|-------------|-------------|------------|-------------|-------------|--------|
| cctgatagtc  | tttgaagga   | agatcgggga  | tgataatgcc | atctattcca  | catgcctgac  | 803880 |
| agctctggca  | aaaatgttcg  | aagccgtatt  | gcatgatggg | atttaagtaa  | cccatcagga  | 803940 |
| taaggggcat  | gtttacttca  | cgacggatgt  | ctttcagttg | ttcgaagagc  | tttcggagtg  | 804000 |
| tcattccgtt  | tcgtaaagct  | tgggttgagg  | cttcctgtat | gaccacaccg  | tcagccatcg  | 804060 |
| gatcactgaa  | aggtattcct  | atttctatca  | tgtcaatacc | tttcagctcc  | aatgtcttga  | 804120 |
| cgatgcttgc  | tgtactctcg  | agtgtcgggc  | ttccggcaca | aaaatataat  | gatagtatat  | 804180 |
| cgtgttgttt  | gcggttgaat  | aattcattga  | tacgattcat | agttgtattg  | ttttatttgt  | 804240 |
| tggtaataaa  | tctgaattgt  | tgaataaagt  | cttggagtg  | tgtcacatcc  | ttttctgctg  | 804300 |
| gagccgtttc  | gaaaccactg  | ttcaggtcaa  | tacctgccca | agctggatga  | tgaaagctgg  | 804360 |
| ataatgcttc  | cagactttcg  | ggacggatgc  | ctccactcag | cagaaaagga  | gtattacctt  | 804420 |
| gatagccgtt  | cagaatgtcc  | cagtcgaatg  | actgtcccga | acctccgtat  | ccatggcatg  | 804480 |
| gcgtatcgaa  | aagaaaataa  | tcacaatacg  | atacatattc | atctgtgcga  | ctcagttctg  | 804540 |
| aaggtttgag  | gaaggagaat  | gcttttatca  | gcttgtatcc | ttctgtatgt  | aacctctggc  | 804600 |
| agaaagctgg  | agattccgat  | ccgtgcagtt  | gcaggtaatc | gagtttcagt  | tccttgctc   | 804660 |
| gtgtagtgat  | tgtttgataa  | tcggcattga  | cgaaaactcc | gatacgtttt  | gaacggacgg  | 804720 |
| gaaggtaggc  | gggagctgat  | gaaacaaacc  | gaggggagcg | ttcataacaa  | atgaatccca  | 804780 |
| tccagtcggt  | tccggtcttt  | tccacttccc  | gaatattgtc | ggggtgtcgc  | ataccacata  | 804840 |
| cttttacaat  | cataaggcgg  | aatgaatatg  | atggataaac | tgacttaatg  | cagttcccgg  | 804900 |
| attttctgtt  | ttcataaaat  | tctctccaat  | caggaagcct | cggaagcctg  | cttcacgtaa  | 804960 |
| tctggcaact  | gtttccggct  | gtgagattcc  | actttccgat | accagtacct  | tatccttggg  | 805020 |
| aagtttttcg  | atgaggcgga  | acgaattttc  | cgtatcggtg | tgaaagggtc  | ccaaattacg  | 805080 |
| gttgtttata  | cctatcatgt  | ctacatactc  | gttgatata  | tccagctctt  | cctcccgatg  | 805140 |
| taattcgagc  | aataacttcca | gttgaagttc  | gtgagcctcg | cgagccaacg  | ttctgcattc  | 805200 |
| atcagggtgtg | agtgccgctg  | ctatcaatag  | tatggcatca | gcctgagtg   | cctttgcctg  | 805260 |
| taacagttgg  | tatcgggtga  | tgatgaagtc  | tttgccgagg | atcgggaggt  | ttacagtggtg | 805320 |
| gcgggcaatg  | cgaatgtctt  | tcaggaaacc  | tccgaaaaac | atttcgtctg  | tcaggataga  | 805380 |
| aagggcagcc  | gctccagctt  | gttcgtagct  | gtggggaata | accgaaacat  | ctgcttcttg  | 805440 |
| gttgatccag  | ccttttgacg  | gagaacgacg  | tttaaattcg | gcaatgattc  | cggttgatga  | 805500 |
| agacaaaagg  | ctttgtctca  | tactatgctt  | agcagtagtg | tctccgatat  | ggctttcaag  | 805560 |
| aagtgcattt  | gatacagccg  | cctcttgggt  | aacaagctct | tttcgtttat  | gtgcgatgat  | 805620 |
| gtcgggtcaat | atgtcttgat  | tcattggtgat | gtttttttta | aatgtggtga  | tgttttaatg  | 805680 |
| aaaacgtgct  | gatgttttca  | gctgtttatg  | ctgacgaatt | tgacgaacgt  | attccatgct  | 805740 |
| cgtccacttt  | ccaatgattc  | cttagccaat  | gcaacgcagt | cttcaatcgt  | tttttgcgga  | 805800 |
| tcgctgctt   | gtatggcaaa  | tgaggcattg  | atcagtacac | aatcggctctg | agctttcgtt  | 805860 |
| gctcgatttt  | gtaatacgtt  | gtcgaagatc  | cgggcagctt | cttcgggtgt  | gtttcctccg  | 805920 |
| taaagctctt  | ctctttttgc  | tatggtgaag  | cctaaatcgg | aaggacggta  | aattgtttcg  | 805980 |
| taacggttgg  | tcatgacctt  | aaattcgtct  | gttagagaga | tttcgtcgta  | tccgtcgagg  | 806040 |
| ttgttgacta  | cggcaaatcc  | gatattcaat  | cgttgcagtg | tattggtata  | aagtctcatc  | 806100 |
| tgtggaagat  | cggctactcc  | taatagctga  | taagcaggca | aacatggatt  | aatcagcgga  | 806160 |
| ccaaggagat  | taaacaaggt  | acgtacttgc  | agggcctttc | gtaccggagc  | cacggttttc  | 806220 |
| atggcaggat  | taaagagagg  | ggcgtgcagg  | tatgccatac | cgcattgtttc | gatggagcgt  | 806280 |
| cgcagtttgc  | tctcatcggt  | ggtgaatttt  | actccgtgct | gttcataaac  | gttgctggcg  | 806340 |
| ccgcttactg  | aagtggcacc  | gtaattgccg  | tgtttggtta | cagcgtatcc  | ggccccggct  | 806400 |
| acgatgaagc  | aggcacagg   | tgagatattg  | aatgtattct | ttccgtcgcc  | tcccgtgccg  | 806460 |
| acgatatcga  | tcggttcgaa  | atcgataga   | ttaacaggta | tgcggttgc   | caacagggtc  | 806520 |
| tcacggaagc  | cggtaatttc  | attaactttt  | actcctcgca | tttggaatac  | ggtaagtagt  | 806580 |
| gaagctattt  | gagcttcggt  | atagtcgcct  | cgggtaatgc | ccttcatcaa  | ttcgtatgcc  | 806640 |
| tcttcgtgag  | agagttcttc  | gtgggcaaaa  | agtcgtataa | gtatttcttt  | cattgtaata  | 806700 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| gcctttttta  | gtgatttaac  | cagttttgca  | tcattttgttt | gccatcgga   | gtaaggatgg  | 806760 |
| attccggatg  | gaactgaatg  | ccacgaatgt  | catagttgcg  | atgacgcaat  | gccatgatgt  | 806820 |
| atccttcttt  | acttacagct  | gttattttcca | gacagtctgg  | aaatccatct  | gtatcgacta  | 806880 |
| cccatgagtg  | gtaacgccct  | actggaatgt  | cgcggggaag  | ctggtcgaag  | atatagtcac  | 806940 |
| cgaccgtaat  | ggtaaccgga  | ctctgtatac  | cgtgatatac  | ggttgaaagg  | ttggtcagtt  | 807000 |
| tgccaccgaa  | tacttcgccg  | atggcctgtt  | ctcccaagca  | aactcccaat  | ataggtttgc  | 807060 |
| gtccggcgta  | atttcgaatg  | acatccagca  | gtaggccggc  | ttcttcgggt  | atgcccggtc  | 807120 |
| ccggtgataa  | tacgatttta  | tcaaactgtt  | ccaattctcc  | tatctgaaag  | cagtcgtttgc | 807180 |
| gtaacactgt  | tacatcggct  | cccagttctt  | tgattaagtg  | actcagggtta | taagtaaagt  | 807240 |
| agtcgtaatt  | atctatgata  | actattttca  | ttgttcaagt  | gcgtttttata | atttttctgc  | 807300 |
| cagaaggatt  | gctttcttca  | atgccccag   | cttgttgttg  | acttcctgta  | attcgttttc  | 807360 |
| ttcattgctc  | agtgccgtga  | taccgcctcc  | agcctgaaac  | cagagttcat  | tgtttcggct  | 807420 |
| tacgaatgta  | cggatgggtga | ttgcttggtt  | cagtgttcca  | tttaaaccac  | tgaaccgat   | 807480 |
| gcacccccg   | tatacacctc  | gattgtgtgg  | ctctattttca | ctgatgatct  | gcattggcacg | 807540 |
| aacttttggg  | gctccgctta  | gtgtgccagc  | tggaaatgta  | tcgatgaatg  | ctcgtacggg  | 807600 |
| attcgatctc  | ttgtccagtg  | taccgcttac  | gcgacttacc  | agatggataa  | catggctgta  | 807660 |
| atattgtggg  | tctttataga  | attcgatatg  | agtattgtgg  | caattgtggc  | ttagatcggt  | 807720 |
| tcgtgccagg  | tcgaccagca  | tgacgtgttc  | ggcattctct  | ttggggctctg | caagcagagc  | 807780 |
| ggctgtcagt  | tgattgtctg  | tttctttgtc  | tccgtgcgg   | cgggtggtac  | cggctatcgg  | 807840 |
| gtcgtggta   | gcttgctcgt  | tttctatctt  | gcagtgtgtt  | tcaggcgacg  | aaccgaaaat  | 807900 |
| acggaagcct  | ccaaaatcga  | aatagaacag  | ataaggcgac  | gggttgatgc  | ttcttaaagc  | 807960 |
| tctatatagc  | ttgaaatcat  | cgccttgga   | cttttgata   | aaacggcgag  | aaagaactac  | 808020 |
| ctgaaagaca  | tctccccgca  | agcagtgtgc  | aatgccttta  | cgaatattgg  | ccttatgctc  | 808080 |
| ttcgctcggc  | agtgtactgg  | tggtttttcc  | tatgggataa  | aagtcgtaag  | tcgtatagtt  | 808140 |
| ccggttggtg  | atagcttttt  | ctatatcatg  | aatatgactg  | ttgtcttcac  | cgtcttgcat  | 808200 |
| ttcaataagt  | accatttcac  | tcttgaagtc  | gttgaagaca  | atcagggtatt | tatataagat  | 808260 |
| gtaaagtatt  | tcgggtgcgt  | cgttcttggg  | gtcgcggctg  | tcttttacag  | ggatattttc  | 808320 |
| aaaataacgt  | acagcattga  | aagtcgtata  | tccatacagg  | ccgcagtaat  | tggcatattc  | 808380 |
| tccttctacc  | ttgaagttag  | aaagaaaatc  | gttgatggcg  | ttttctgccc  | tgaatgctc   | 808440 |
| gctcagtgtc  | gtttcaacgc  | gtgtatcatc  | aggataaact  | gccgtagcta  | tgccatgggt  | 808500 |
| gataccgata  | ctggctatcg  | gattgaaagc  | gatgaacgaa  | cggttgtttt  | ctgttccgtg  | 808560 |
| ataatcggag  | ctttccataa  | gtgcactttg  | tggaaaaagg  | tcacgtactt  | tcagatacgt  | 808620 |
| gctgactggc  | gtatgaaggt  | cgcctaacat  | cattttatgt  | gcggtatgat  | aagtatatgt  | 808680 |
| tgctattgta  | ttgtaacttt  | aatggtctaa  | ttttattttt  | gatcggctcg  | tgcatgtttt  | 808740 |
| aagtaagttt  | gtatatcctt  | atcgctctt   | cctgaaacgg  | taagtactac  | tatatcgctg  | 808800 |
| ggtttaaacg  | ataacttgct  | gagggctcct  | aaagcatgtg  | ccgattccag  | tgcaggaatg  | 808860 |
| atgccttcca  | gacgagtcag  | ttcgtaagcg  | gcgcggatag  | cttcatcatc  | gttgatggca  | 808920 |
| aatactgtag  | cacggtgctg  | tttggcgagg  | ttggcatgca  | taggaccgat  | tcctggataa  | 808980 |
| tccaatcctg  | cagaaataga  | gtagggctca  | ataatttgct  | catcttcatt  | ttgcatcagc  | 809040 |
| aagggttttcg | agccatgaat  | aatgcctaaa  | tgtcccaagt  | ggattgtggc  | ggccgacatt  | 809100 |
| ccgctgtcta  | taccttttcc  | accagcttcg  | gccaatacaa  | tcttgacacg  | ttcatcgctc  | 809160 |
| atataatggg  | aaatcgatcc  | ggcggcggtta | cttctccac   | ctacgcaggc  | taccaaatag  | 809220 |
| tcggggtaat  | cacgtccttc  | atgttctctg  | agttgctttt  | tgatttcttc  | gctaatagaca | 809280 |
| gattgcaaac  | gcgctaccat  | gtctgggtaa  | ggatgtggac  | ctacggttga  | gccgatcagg  | 809340 |
| tagtaagtat  | cttcgggatg  | acagcaccag  | tcgcggatag  | cttcggtttg  | cgcacacctc  | 809400 |
| agggtcatat  | tgccggaggt  | tacggggcgt  | acggtagctc  | ccagcatttt  | cattttttcc  | 809460 |
| acattaatat  | gttgacgttc  | tacatctgtc  | ttacccatgt  | atacgacaca  | ttccatgttc  | 809520 |
| atcaaggcac  | atacagtagc  | ggcagctact  | ccatgttgct  | cggctccggg  | ttcggcaatg  | 809580 |

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|-------------|-------------|-------------|------------|------------|-------------|--------|
| attcgtttct  | ttcccatgcg  | acgcgccagc  | agtacttgct | cgatggcggt | gtttatctta  | 809640 |
| tgtgcgcctg  | tatgggttcag | gtcttctctt  | ttcaggtaaa | tcttgcaccc | atatttctca  | 809700 |
| gaaaggcggg  | ttgcaaggta  | taggggagaa  | gggcgtccta | catagtcacg | cagaagttgt  | 809760 |
| gcgaactctt  | gcttgaaact  | ttcagaatcc  | agaacttttt | gatatgcggt | tttcagggtct | 809820 |
| tccacgcatt  | ggtaaaggat  | ttcagggata  | tatgctccgc | cgaaatcgcc | gtaaaaacca  | 809880 |
| ttcttgtcta  | cttgatacgt  | tttcataata  | gtttatatat | tggggtaaaa | aacaaaaaag  | 809940 |
| gctgtcgtaa  | gttacgacag  | ccttttgcta  | tatcttatta | ctaaaactaa | atggtatata  | 810000 |
| tacacacgac  | tgatgttccc  | ttacgactta  | tgaagttgca | agaggcgcca | ccaaaagaat  | 810060 |
| gtatttacca  | ttatctgttt  | cataaaatgt  | gatcttttat | ttgttttatc | acttgcaaaa  | 810120 |
| gtaaaagacaa | atgtgaaata  | ttcaaataaa  | aaggaaactt | ttttgctaaa | aaatatataa  | 810180 |
| agtaccaatt  | tctttgttgt  | tggctgtatt  | ctttcttttt | cctatgtttt | gttcagactc  | 810240 |
| ttgcttttgc  | cattgataaa  | agtctgtttt  | ttgcaagga  | aggaatatct | tctgcctggc  | 810300 |
| cgtttcttta  | aagtgaggta  | aaaagcggat  | ttgtttttta | tatgtaggaa | gcgaataactt | 810360 |
| tggatgtgca  | ggaaaattcg  | ttgtagcatt  | aggcaaatcg | gtcccgaat  | ttgtttatat  | 810420 |
| actaaaaata  | agatatattc  | gtattagaat  | caatttagct | ggaatatgaa | gtcattgagt  | 810480 |
| tatgctgcca  | tgagcagcgt  | gtgtgcactg  | gtaatcgga  | tattactggg | gatatggcct  | 810540 |
| gaagctgcca  | ttattttatt  | agtcattacg  | gtaggagtag | tatttctgtt | gcccggttg   | 810600 |
| atgggattgt  | tttcttatgc  | tttttctcgg  | cgtaggaatg | cggaagtaca | aagaacattt  | 810660 |
| cccattattg  | cattaggcag  | taccttgctg  | ggattttggc | tgatgattat | gcctgagttc  | 810720 |
| tttgtcaata  | ttttgatgta  | cctgttggga  | gtacttctgg | tattaggtag | tttatcgcaa  | 810780 |
| ttgataaatt  | ttatatcggt  | tcgtcaagta  | gtaaaagttc | ctgtttttct | ttatttgata  | 810840 |
| tcggttctga  | ttctggctgc  | cggatttgct  | attctcttca | atccatttac | ggcggctacc  | 810900 |
| gttccgttca  | taattttggg  | ggtttcatca  | attatatatg | cattgaatga | tcttggttcgc | 810960 |
| cttttgttct  | attatcacaa  | gcggaacaaa  | gatattacag | atgtaaaaat | tatagaggaa  | 811020 |
| tagttggtct  | gtccaactat  | tccatatttc  | ggtattgctt | aggtgacata | cctgtatatc  | 811080 |
| gtttaaaata  | ttttccgaaa  | aaagagatgt  | caggaaagtt | gagcgaataa | gcaatttcct  | 811140 |
| ggatggtaag  | ttctgtggaa  | cggagttttg  | cctgctgcac | tcggatgaca | aaagttgaaa  | 811200 |
| taatatccgt  | caatgttttt  | cctgtagttt  | tctttattgt | tgtactaagg | tggtgaggcg  | 811260 |
| ataagtgcatt | tttctctgca  | taaaatgaga  | tattacgttc | taacttatag | ttttgtatga  | 811320 |
| ctattcgtat  | cagttgtttt  | acaatctcct  | gattacgggt | gtaacgcggg | cgctcgttac  | 811380 |
| catctctctg  | tttatagatg  | ttccccagtc  | ccatgatgag | ctggctgaag | atgagatgtg  | 811440 |
| cctgttcgtc  | tttgacaaat  | gcatttggtg  | gccgatggc  | tttcattaat | agtttgaaat  | 811500 |
| attcgtaaaa  | gatatctgcc  | acatcggttc  | ttaactcaat | aacaggctct | tcgaatatag  | 811560 |
| acggagtata  | ttcgatcata  | cgcgaaaaca  | gaggagggtc | ttgaatcagc | ttctgagaaa  | 811620 |
| atcctataaa  | ggcaaactcg  | cagtcctcac  | tttcttccgt | tacttgtaga | aactggtgag  | 811680 |
| ggaaaacaat  | ggcgatgggt  | tttctttcta  | gtttgtattt | gttcagatgt | atagtgtattg | 811740 |
| tacaattacc  | tcggatgcat  | agtaagaaaa  | gacatccagg | catttgaacc | ggattccttga | 811800 |
| ataactgttt  | aatattgcct  | atgagggtcaa | tacctgtcag | catatcgatg | ttttctggta  | 811860 |
| tagactccaa  | tgagtttatt  | cgtttcattt  | atatttcctc | tttataatct | gtagcaaata  | 811920 |
| taattttttt  | acatgagagt  | tccaaatgta  | atacatttgc | gcttagatta | gttaagaaac  | 811980 |
| tcgtttgtaa  | tatgatgaaa  | tatgtattac  | tatgtgaaaa | agacttaata | ggaataacga  | 812040 |
| tgaagaata   | gattttgtat  | tttcgtcgct  | agtacgaaaa | ctataaattt | aatatcgtga  | 812100 |
| aaaacagtaa  | tttgtatttg  | gttagtttgg  | tcttagtggc | cattttgggc | ggtcttctgt  | 812160 |
| ttggttatga  | taccgctgtt  | atttcggggg  | ctgagcaagc | tcttcagaaa | catttagggg  | 812220 |
| tgaatgcatt  | ttggcatggt  | attactgcct  | ccagtgcctt | aatcgggtgt | gtaattgggtg | 812280 |
| gagccatttc  | cggggtatgt  | gcttctcgta  | tggggcggcg | taattcgtta | cgtttgcggtg | 812340 |
| ctgtattgct  | tttcttgta   | gcgttaggct  | catattatcc | ggaatttatc | ttttttgaaa  | 812400 |
| aaggtgatac  | ttctttttca  | ttgattctgg  | cttttaattt | ttatcgtatt | ctcgggtggg  | 812460 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| tcggagttgg  | tttagcttca | gctatcagtc  | cgatgtatat  | tgctgaagtg  | gctccctcgg  | 812520 |
| aaattcgtgg  | taaactcgtt | tcgtgcaatc  | agtttgctgt  | gatttttggg  | atgctggtag  | 812580 |
| tttactttgt  | gaattacatg | attaaagatg  | gcatgactga  | agaaatgctg  | gtatccgatg  | 812640 |
| gctggcgtca  | aatgttctta | tcggaggcct  | atccggcagc  | tgtatttgcc  | attttgcttt  | 812700 |
| tctttgttcc  | aaagactccc | cgttatttgg  | ttatggaagg  | aaatgatctg  | aaagctcttt  | 812760 |
| atgtccttga  | gcgtattaat | ggtacggaaa  | aagctaagaa  | aatattttct  | gatataaaat  | 812820 |
| ctgttactgc  | cgagaaaacg | gaaaaattgt  | ttacctatgg  | agtttctgta  | attattattg  | 812880 |
| gcattttgct  | ttccgtattt | cagcaggcta  | tcggcattaa  | tgctgtgctg  | tattatgcgc  | 812940 |
| cacgtatctt  | tgaaaagatt | ggtggtggtg  | gagacggtat  | gatgcagacg  | gttattatgg  | 813000 |
| gggtagtgaa  | cataacattt | acttttagtcg | ctatctttac  | cgtcgaaaaa  | gtaggaagaa  | 813060 |
| aaccgttact  | tatcatcgga | tctataggca  | tggtatcgg   | agcattgggt  | actgctgcct  | 813120 |
| gcgatgaatt  | caatattaat | ggtattattg  | ctgtgttgtg  | tatcatcggt  | tattcggcag  | 813180 |
| ctttcatgat  | gtcctggggg | ccgattacat  | gggtattaat  | tgccgaaata  | ttccctaaca  | 813240 |
| ctattcgaag  | caaagctgtg | gctattgccg  | tagccttcca  | gtggatattc  | aattatcttg  | 813300 |
| tttctcttac  | attcccggca | atgtatgagg  | ttagtccgtt  | ctttgcttat  | tcattgtacg  | 813360 |
| gagtaatttg  | tttgattgct | gctttcttcg  | tctggaagtg  | ggtacccgaa  | acgaaggggc  | 813420 |
| ggactttgga  | ggaaatgaat | caactttggt  | tgagtcggaa  | aggcagataa  | tttatatcag  | 813480 |
| tctggattaa  | tctgaattga | atagaaaata  | aaaagtataa  | tatcaatctt  | cttgaagcgg  | 813540 |
| aaaatgggat  | aatacctggt | ttccgctttt  | cttttatcat  | ttacattgat  | acagatagat  | 813600 |
| attgtttacc  | ttcatccgaa | attcgtctaa  | tgggcaatag  | aattagctgc  | gattgattgg  | 813660 |
| ctttgctttt  | ctactttttt | aaaggttaga  | ttattgtctt  | atggagtaga  | ctatagatat  | 813720 |
| ttgctaccag  | agatccggtt | gtttaatcgt  | gttatacgaa  | gtgattaaat  | aaaggctgta  | 813780 |
| aagaggggat  | atgcaggcta | atgttatggt  | gaatgaacat  | tctaactctag | ggagggtctga | 813840 |
| tagctataaaa | aacgaagcgg | gcaaactgaa  | aattcagcct  | gtccgcctct  | attactcttt  | 813900 |
| caataaaaaa  | ttatcctatt | aaatttagaa  | gaataaatag  | cgctgggtcta | cgattttctgc | 813960 |
| cttgtcacgt  | aattcgtaaa | gacattgtcc  | tgcatagcgt  | gcagccatgc  | ttgagagagc  | 814020 |
| tgtttcttct  | ttctttgcat | cgaatttttc  | tgaactcttt  | tctttgttgt  | acacctgaat  | 814080 |
| catgtagact  | ccggcattac | ctttaatagg  | agctgaaact  | ttgttcactt  | ctgttttcga  | 814140 |
| tgcataatgca | ctgattgcag | gttacttggt  | acgtgttact  | gcgataaatg  | ccggagcatt  | 814200 |
| gaaagtaacg  | tgttttacac | tatcgtgat   | ggcatctttc  | atacttttaa  | cctgtgccaa  | 814260 |
| agagttgaag  | cccttcatct | gctccataat  | cttttcagct  | ttcttatcgc  | ggagaacttc  | 814320 |
| gcttctcaac  | atatcagaaa | ccttggtgat  | gtttacatag  | ccttccggat  | tgatagcttc  | 814380 |
| gagagctact  | accatcagat | ggtcgttttc  | gccgcattca  | tacaatggag  | aaacttctcc  | 814440 |
| cggttttgca  | ctgaataccc | atttcaatgc  | ttcacgagtt  | gatttttacac | cacctacgta  | 814500 |
| atgttcatcg  | ctacggaagt | ttgaacgagg  | agttacgctg  | taaccagctt  | cttcagcgtt  | 814560 |
| cttttcaagg  | tctttcattg | tagtgttttg  | tgcaacaaac  | tggctaaatt  | tattgtaagc  | 814620 |
| tttgttatat  | gtttccttac | taaattcaac  | tggaacattg  | atgacagcta  | cttttatattt | 814680 |
| atctttcata  | gctttctttg | cagttacttg  | cagaatcaga  | ttagcctgac  | ctactttgat  | 814740 |
| atttgctaata | tcatcaactg | gttgagatat  | cagtttattg  | ataaatgtgg  | cattgtcttc  | 814800 |
| atccaatgaa  | gcaccttccc | aactttgaga  | gttaatccag  | ttagcttcac  | ctgtctggcc  | 814860 |
| atagatttta  | gccaatgcag | caaaatctgc  | tccacctttt  | aaggcattgt  | agatactgtc  | 814920 |
| agccaaagtt  | gctgtcttag | cttcagtatc  | agcgtatact  | tgaatctgac  | ggaattgaaat | 814980 |
| agaatcaggt  | gcagttgttt | ttgcaatgat  | tttgaatgca  | ttatacgaat  | cgtctgcctg  | 815040 |
| attgtaataa  | ggaccatata | cttcgtttat  | ggaagttgaa  | tccagacgac  | ttgcaacgctc | 815100 |
| agatggtaata | accgttttgt | ttacaggtac  | atctgcaaat  | ggaataacag  | aaccggtaga  | 815160 |
| acgaataaat  | gctgtatagt | cattgtttgt  | actgatcagc  | tggttgctat  | attctgtcac  | 815220 |
| ttctttttgt  | actgcttgac | ggtctgcac   | agaaggaaact | actcgtacat  | caatgaattt  | 815280 |
| aatgtcacgt  | gtttcaaccg | gctgtttgaa  | tgattctttt  | ctctcatcgt  | acaacttctt  | 815340 |

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|             |            |             |             |            |            |        |
|-------------|------------|-------------|-------------|------------|------------|--------|
| gatctcttcg  | tttgatacag | taattgtaga  | atcgctgatg  | cttgagtaag | gaacacctgc | 815400 |
| cagcaataaa  | tctgactgta | cagtgcgtcc  | gttgaatata  | tcttctgcag | caaccggatt | 815460 |
| tgaatcaat   | gattttgcaa | tcaaattttg  | gtatttttct  | gccagtacag | actgtcttaa | 815520 |
| agtcttttcg  | acgaatttcc | agaaattacc  | catttttttg  | tagtattcaa | catactgtgc | 815580 |
| aggcatctta  | ttggcatcca | agttagcata  | atctaccaag  | aatttcttca | acatatcttt | 815640 |
| gtcgaatgcg  | ccagtttgcg | ggttacggaa  | cggagtctgc  | attaacaatg | ggtttggtcc | 815700 |
| ttcatcaatg  | atggctgaa  | gttctttatc  | tgttactttt  | agtcccaatt | tttttgcttc | 815760 |
| agcagctatc  | agttcattgg | ttacgtatgt  | attccaaacc  | tgatctttga | tgtttgctca | 815820 |
| ctgatcttca  | tttagtgaat | tcaatccgtt  | agtcagttta  | atgacttcac | tgaattcatc | 815880 |
| taccatttgt  | tgatagtctt | gaacggagag  | tttgtttcca  | tttatttctc | cggcgtcttg | 815940 |
| ttttccctga  | tgcggtctga | gtactttcca  | agcatcacct  | gcgatgaacg | caaaaagggc | 816000 |
| aagaccaatc  | acaatgacca | aaagaggctc  | tttgcttcta  | attgtttgta | aagttgccat | 816060 |
| ttaaagtatt  | tattttttgt | ttattgtttt  | ttttctttag  | cgcacgaaga | tacaaaaaat | 816120 |
| gtgcttagca  | ggcacttttt | tatagaaaat  | tttttattct  | gaaggcgttt | aaatagctta | 816180 |
| tttgctcaact | tttagcttga | caagctctat  | ttttgttgct  | gtaactttta | taattttgaa | 816240 |
| ttgaaaattt  | ccaatagcta | ttgtttcgtg  | cattttttgga | aaactttgat | attcatgcaa | 816300 |
| tattagccca  | ccaatagttt | gatattcatc  | gctctctggt  | agtttcagac | caaattcttc | 816360 |
| attcgctttt  | tcaatttcta | cacgtcctga  | aaaaatgtat  | tcgttttctc | ctatcttttt | 816420 |
| tgcaatgctg  | gaatttgat  | cgtgttcac   | ttcaatatcg  | ccaaatat   | gttctactaa | 816480 |
| gtcctccatg  | gaaaccagtc | cagaagttcc  | tccaaattca  | tctactacta | ttgccaaaga | 816540 |
| acgtttttgc  | tgcattagtt | gttgcattag  | tttgtgggca  | ctcatcgttt | ctgggacaat | 816600 |
| aggaattgta  | cgtgtatgtt | ggcgccagtc  | tgtaagcggc  | ttgaataatt | cggatgaatg | 816660 |
| tatatagcct  | attacattgt | ctatatcctc  | tttataaacg  | aggactttgc | ttatgccatg | 816720 |
| atctataaat  | tcagctttca | attcatcgag  | tgtggcattt  | atatctacgg | caatgatttc | 816780 |
| agtacgtgga  | accatacagt | cgcgtacttt  | aatactggag  | aagtccagag | catttcggaa | 816840 |
| tatttctatt  | tcagtgtcta | ttgcattctg  | gtcttgact   | ttttctatac | tgctttgaat | 816900 |
| gaaataatcc  | agatcgactt | ttgtaaaggc  | tttttcttta  | gtttctttat | tgatttttgt | 816960 |
| acctgttagg  | taaaggatga | aggccgatag  | cgaagatgcg  | agacgactga | tgggataaag | 817020 |
| tatcaagtaa  | ctaataaatg | caggaatcgc  | aaatgcactt  | aacgtactgt | tgggacttat | 817080 |
| cttaaatagg  | gtcttgggta | aaaattctcc  | tgtaacgaga  | atgatagctg | tagatataag | 817140 |
| tgtttcgatt  | gtgactagaa | ggaattgggt  | actaataata  | tttaccaata | tatattcttc | 817200 |
| tatcagttga  | gccatccaaa | taccatatac  | tacgagagct  | atattattgc | ccaccagcat | 817260 |
| ggttgagata  | aaattattag | gattgcggta  | aaatacagac  | aagatacggg | ctcgcatacc | 817320 |
| attgtccttc  | tccatttcaa | aacgcaattt  | gttggaagac  | acaaaggcaa | tttccatttc | 817380 |
| agagaagaat  | gcggaaaatg | ccattgatat  | aagtagttct  | ataattagtc | ccatattgat | 817440 |
| tggtacagag  | ttttctat   | ttttgtcgta  | tcagcaggag  | cagtatcttc | gactgtaaat | 817500 |
| ataccagtat  | tattgaatat | ctgatactct  | gtcatttgct  | gattcgattc | aaaaccatat | 817560 |
| cccgtcaata  | tcttatcggg | ttgttcgatc  | cgtataaatt  | gattggaata | gattttttct | 817620 |
| tttccttgat  | cccagaacat | cagctgggtg  | tcaaatttat  | ctccgcgttg | gctgcggata | 817680 |
| tgtacattgc  | ttcgtagtcc | ccatagtctc  | ttaggctcat  | agtaataggc | tgtatccgcc | 817740 |
| tttatacttg  | cgtcgatgtg | aaagagggtg  | tcaaatttct  | caagataaat | acctttttca | 817800 |
| aatgcccgaga | agggagtgtc | tacctcattg  | taaatcaacc  | attctgctgt | gattatttta | 817860 |
| tagcgaatca  | taccggaatc | ggatataaat  | gtagtcacac  | caagcgtacg | catatcgggc | 817920 |
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| aaaataaaca  | taacagttgt | ccaaatgaca  | actgttatgt  | ttaaaatcat | tatatgtttt | 818040 |
| ttatggggca  | ctctaaatga | catgtgaaag  | atatgtaatt  | atctgattgt | tgtagtttca | 818100 |
| ccaatccatc  | cgccgatagt | tacagagtca  | cctttcttca  | agcccaggaa | gaacaggtct | 818160 |
| tcgtctttcg  | gagtatatgc | tgagttagctt | ccaatcagct  | tgttggcttc | ttctgcaacg | 818220 |



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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| cttggatcta  | cgctcttggc  | acgctgtaat | ttatcगतग    | ctgcaaagta  | agtacatttg  | 818280 |
| ttcaaagcag  | cttcatcacc  | ccagtttgga | ctagccgcag  | acatctgagc  | aatcaggata  | 818340 |
| tatgctttac  | ccatgttggg  | attataagaa | agtgccttgt  | ttgcatattg  | tcttgctttt  | 818400 |
| ccatacattt  | tctggctcat  | gatagcaacg | gcagctttat  | agctgttttc  | tgctttttcc  | 818460 |
| ataggatcct  | tttccagttc  | gattgcttcg | tcgaagtagt  | tgacactctt  | gttgacatca  | 818520 |
| cctttcttgt  | aatacatgta  | agcacatccc | agggtgtgtg  | cagctgtcgg  | ttcaatagca  | 818580 |
| tgagctgctt  | ctgaagcttc  | gaagtatgct | tcttcgtttg  | tacatttcag  | aatctgcata  | 818640 |
| acagaaataa  | cctgtttcag  | gtagtccaaa | ttagatttat  | tctgtgctac  | tttcggggccg | 818700 |
| tagatagatt  | gcatgtcttc  | gcaagaagca | gtaccactgt  | tgatgaagta  | agcatctaca  | 818760 |
| ttgtcctttg  | ctgttttcaa  | aagggttttg | gtttttgttg  | cagtagtagc  | cttgtatgca  | 818820 |
| gcatcggcat  | aacctgaaac  | agtcagataa | tcctgaatga  | attgttcttt  | atggttgtta  | 818880 |
| tctgttttca  | gtttacgcaa  | agacaagtcc | atcatatcct  | ggaacatgaa  | atagtctgca  | 818940 |
| ttttcttttt  | ccagatcgat  | agcttctttt | tcaatgttgt  | aagctgcatt  | aacgtccaag  | 819000 |
| ttagaaccag  | aaaataacaat | aaggctgtga | gctttcatac  | ccaggataga  | accttttgtt  | 819060 |
| gttggagttt  | taaccaagcc  | gttcagctgg | tccagatatt  | tgatacgtcg  | atcatgtaca  | 819120 |
| gccatcaact  | cattcaaata  | agtcttctgc | tgtgcggcat  | ctttggattc  | agcaatcaat  | 819180 |
| gcacgaagaa  | tttttagcacc | gtttgtataa | gtaccaacct  | gtgctatagg  | agcttctgta  | 819240 |
| aagacagctt  | tccaaggggt  | gtatgcatcc | ttgaagttgt  | ttgtctttac  | atattcagta  | 819300 |
| taaatactga  | tgttctggag  | gcaacggaga | ctgtcttctc  | catgtccaaa  | acgagaacca  | 819360 |
| tcttccactc  | ctttttgagc  | gaaaactgct | gttgacttta  | atgaaagtac  | agctagcatt  | 819420 |
| gtaaacaatc  | tcattttcat  | cgtatataaa | tttagttgtt  | ttgttagtta  | actttccatt  | 819480 |
| tcatgaacca  | atgttcatta  | aacgtcagac | cgatttttat  | aacaaagcga  | ttttctgaaa  | 819540 |
| gcatgttagg  | aacactcgga  | gtaacgtgaa | cgtattgtcc  | ggtcaaattc  | aggatttgtt  | 819600 |
| tccgttgaaa  | caaataaagc  | ggaagtccca | atccggcact  | gatgccatat  | tctgaaggac  | 819660 |
| catcgcatcg  | aggtagtttt  | aaataagaac | tcttataaaa  | gcctcctgca  | cgatagcgga  | 819720 |
| tacgttttaa  | atagcttcta  | ccaatatagt | tggttagata  | ttctataaccg | gctgctattt  | 819780 |
| ttgtacgatc  | attataggca  | tctgttgaat | tatcatattt  | tactttcgac  | cattgttcaa  | 819840 |
| gagaataatc  | aatgccgaca  | gtaagttttt | tgtcatgggt  | atatgccaaa  | cctacaccga  | 819900 |
| acgtatgagg  | tataccatat  | gaatcagtaa | ctacatgttc  | gtttacagag  | gaataactcg  | 819960 |
| agttgtctgt  | tacttgaatt  | cctcttgtat | ccgttgagtg  | aagtgtgtgg  | cctaataccgt | 820020 |
| aaacaagtcc  | tagagttatt  | ttatccgatt | tatttattga  | ttggtcatac  | tgcaagccga  | 820080 |
| aatctgcaac  | atagctgttt  | acttttatgc | tattatacac  | atttgtttgg  | tactgtctga  | 820140 |
| tgctaaatcc  | tttcgttgcc  | tgatattgca | gtgtaccgta  | gagatatccg  | gcattaactc  | 820200 |
| caatagaaaag | gttgtaaggt  | attttaaagc | ctaataccacc | tgttattttt  | tgcaaggccgc | 820260 |
| catctccata  | aaaggtatta  | gtcgcagtaa | catcattaat  | gccttctaca  | ggttggtgtg  | 820320 |
| ttgtaaaagt  | atatacctaa  | gtagtataag | gagtaaagcc  | tatcgccatc  | cccaaacgag  | 820380 |
| gatgtaaaacg | gaattgcatt  | gctatataat | cgaaactgga  | attacgtgcg  | ttgttcttta  | 820440 |
| tcccattttc  | ctgaaaatta  | gaacttttca | aactcattcc  | tacatcgaac  | ataaacgaga  | 820500 |
| gagaatcgac  | cgccgtgaat  | gatgccggat | ttaacatatt  | gatgtggccg  | ctgtttcgaa  | 820560 |
| gtgcatagcc  | tattccgccc  | attgcagcat | tattggcaaa  | gccttgatcc  | accaaactctc | 820620 |
| ccagtccgta  | tcgggtgtat  | ggggaatttg | tggttgattg  | tgcaaacacc  | gatattaaac  | 820680 |
| cggcaagcat  | cagagcgctg  | attagtgtct | tcttatttta  | cattgttaatt | taaaattctg  | 820740 |
| tttaaaccctt | tcaaaaactaa | aaatctatct | gcaaagatga  | tactttttta  | gtttgtatca  | 820800 |
| aaagaaaaatt | tatctccacc  | agttaaaaaa | acaaaaaggt  | caggatattt  | cttctgcatg  | 820860 |
| agggtgatgt  | atccacttat  | ctcgaattcc | attcccttta  | tcactcccga  | gcggattgct  | 820920 |
| gtttctgtgc  | tatatccaaa  | ctcaggtata | tcgccacctt  | tttctattaa  | tggaagcttg  | 820980 |
| tcgcagcagg  | cgttcagcgc  | tttgaatcgg | gtgtaaatac  | ctggagaaat  | attacctccc  | 821040 |
| caatagcggc  | cttctgcgtc  | gataaactca | tatgtcagtg  | cagttcctgc  | atcaatgact  | 821100 |

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|             |             |            |            |             |             |        |
|-------------|-------------|------------|------------|-------------|-------------|--------|
| aataagtttt  | taccagggtg  | gaggtagtta | gcgctacaa  | cagcagccag  | gcggtccatt  | 821160 |
| cctaagtgtt  | ctgggggttt  | ataataattt | tttataggca | ctgggtgtgcg | gtatgtcaac  | 821220 |
| tccagaaaag  | gaataggctg  | tttagctagt | tgcttgcgaa | tggtattgct  | aagtgtgatg  | 821280 |
| actgacgcaa  | taattcctct  | ttctatggga | tatttattgc | atagcatatt  | caagcagtct  | 821340 |
| aaagagtgat  | ttgatcctcg  | taagacttcc | accacttcc  | ctttgtcgaa  | tacagcaagt  | 821400 |
| ttcgctactg  | tattgcctat  | atcgattact | aaattcactt | cttttcttat  | tttatgttgc  | 821460 |
| aaagtaaagg  | aaaaaatgga  | taataatagt | aataaaacga | cgattttatt  | cataagttat  | 821520 |
| caatatattag | ccgtattttt  | gcgccggaaa | tagaataaac | gttgtaaaaa  | aagaggatat  | 821580 |
| actttaccaa  | ggtttatggg  | gaaacttaga | tattttattt | tatgcctgtt  | tacggctatt  | 821640 |
| gtcctgtctg  | ctcaggggca  | gcaaagggat | agcattcaat | tcagtttgct  | tacttgtgct  | 821700 |
| ccgggcaacg  | aaatttactc  | tttgtttgga | cacacggcca | ttcgttatga  | aaactataca  | 821760 |
| cgatcatatt  | atgttgtgtt  | caattatggc | atgttttagt | ttaatacccc  | tcattttgtg  | 821820 |
| cttcgcttta  | ttaaagggtga | aacagattat | caattgggta | ttactcctta  | ttcttatttc  | 821880 |
| gaggtgagt   | atgctatgcg  | cggttcttca | gtctatcagc | aggtcttgaa  | tttgacacag  | 821940 |
| gatgaaaagg  | aacagttgct  | ggctttgttg | gaggaaaact | atttgccgga  | aaatcgcatt  | 822000 |
| tatcgatata  | attactttta  | cgataattgt | acaacgcgtg | ctcgtgaccg  | gatagaagag  | 822060 |
| tgtattgacg  | gacacgttgt  | ttatccggat | tctttgtcat | gcaaaagctt  | ccgaagcatt  | 822120 |
| gtacatgagt  | ttactgctgg  | atctgcatgg | gatgaacttg | gtatcgattt  | atgtttgggc  | 822180 |
| gccgaagctg  | ataagaaaat  | tggcaaacgt | atgcagatgt | tttctccttt  | ttatatgaaa  | 822240 |
| tattatgcct  | caaatgcata  | tattgttgat | aaaacagggc | atcagcgacc  | tttgttactg  | 822300 |
| aaggaaaatga | agatagtaga  | tgtagagccg | gaagttgccg | agccgggttt  | cgtgctttcg  | 822360 |
| ccgatggcgt  | gcgcttcctt  | gttccttgcg | ctgtgcgtgt | tggtaggctg  | gttgcaatgg  | 822420 |
| aggtaccgtc  | ggatctgggtg | gggatggaat | gttgtgctat | atgctttctca | gggcttggct  | 822480 |
| ggatgtatta  | ttgcctttct  | gtttttcttc | tctgttcatc | ctacagtaag  | ttcaaactgg  | 822540 |
| ctgcttatac  | tgtttaatcc  | gataccctta | ttctatctgc | ctgttatggg  | ctataaggac  | 822600 |
| gtaaagcata  | aaaaagatgc  | ctatcatgta | gtaaatcttg | tatatttaac  | actttttata  | 822660 |
| gtcattcttc  | ctttttgtgg  | gcaagaattt | aatttaacag | tattaccttt  | ggcactcggg  | 822720 |
| ttgctggtga  | actctgcaag  | ccatatatta | gtttggaata | aaaagtaatg  | aaggaacgca  | 822780 |
| tactgacatc  | gctcatagca  | gcatttgtaa | taacaagtct | tcaggcacag  | acaacttcgg  | 822840 |
| cagtcccgaa  | attggctcgtt | ggtttgacaa | tcgatcagct | tcgctctgat  | tatatgtgaag | 822900 |
| ctttttctgc  | tttatatgga  | gaaagagggt | tcaagcgtct | gatgaaagag  | ggtaggggtg  | 822960 |
| attgcaatgc  | tgaatacgat  | tttataaata | tagatcgttc | ttctgccgtg  | gcttctatct  | 823020 |
| atacgggtac  | tactccttat  | tataatggaa | tcgtaggaaa | tcgttggtatg | gatcgttctt  | 823080 |
| ctttacgtat  | tgtaaaagat  | gtagacgatc | cggcctatat | gggagtatat  | acatcggaaa  | 823140 |
| gtacttcacc  | tcaacattta  | ttggtttcta | ccttgtcgga | tgagctgatg  | gtggcaacca  | 823200 |
| atggaaagtgc | ggaggtatat  | tcaattgctc | cttcccgcga | aatggctgta  | tttgacgccg  | 823260 |
| gacatgcagc  | gaaaggggct  | ttctggctga | acgatgaaac | cggaaaaatgg | agtggctcta  | 823320 |
| cttattatgg  | ctcttttccc  | gaatgggtag | cagcatacaa | tgatcgtgaa  | gggttggatt  | 823380 |
| ttcgcatagg  | taatctgggtg | tggggaccct | atctccctgt | tacttcatat  | aagtatgtca  | 823440 |
| cttccgacgt  | taagcagctt  | acctttaaac | atgatttctc | cgacgaacgt  | acagacaagt  | 823500 |
| ataagaaatt  | caaaaccagt  | ccttatgcca | atgatgaggt | caataaacta  | gttgacgctt  | 823560 |
| gtctgacaaa  | tacaaatgtc  | gggaaagata | atatccccga | tttacttaca  | ttgtcttatt  | 823620 |
| atgcaggaaa  | ctatgcccatt | actcccaata | gggaatatgc | catggagata  | caagacatgt  | 823680 |
| acgtacgcct  | ggataatagt  | atcggcgatt | tgcttgattt | aatagaccgg  | aaggtaggac  | 823740 |
| tgaataacac  | cttgtttttc  | attacttcta | ctggatatgc | agatacagat  | ccgaaagatc  | 823800 |
| cgaacaata   | taaaataccg  | ggcggggagt | ttcatatcaa | gcgttgtggg  | gcattgctga  | 823860 |
| atatgtatct  | catggccatt  | tacgggccgg | ggcagtatgt | ggaaacttat  | tatgatcgtc  | 823920 |
| agatttacct  | gaatcatagc  | ctcatagaag | ataaaaagct | gaatcttaca  | gaggtattga  | 823980 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| accggtcgtc  | agactttata  | gtccagatga | gtggagttcg  | tgcggcttat  | tcttcccagc  | 824040 |
| gtttgttgct  | tggggcatgg  | aatcctcata | tcgataaaat  | cagaaatacg  | ttcaaccgga  | 824100 |
| atacttccgg  | tgatattttac | gtagaagtaa | tgccgggatg  | gacggtagtc  | gatgaatatt  | 824160 |
| ctcaagtttc  | aaaagtggta  | cgtgatactt | attcgtcagc  | tccgttgatt  | tttatcggta  | 824220 |
| acaacataaa  | gccggaaatt  | ctttatactc | cgggttaagat | ggcgacaatt  | gctccactg   | 824280 |
| tagccactt   | tatgcgcat   | cgggcacca  | atgcagctac  | tgctgctcct  | ctgacgggca  | 824340 |
| tccgtaaata  | aattatagac  | ttaaataact | aagaaaatca  | gtaaattagt  | tatctttgtg  | 824400 |
| cgtcagaaac  | ctggataaat  | aatcaattt  | agaaataata  | aaaacaacaa  | tatacaatgg  | 824460 |
| gatttaaatga | atttataagc  | aaactttttg | gaaataaggc  | tactcgcgat  | atgaaagaaa  | 824520 |
| ttcagccgtg  | ggtaaataaa  | gtaaaagaag | tctatccgga  | gattgctaaa  | ttgagtcacg  | 824580 |
| atgagttgcy  | tgccaaaacc  | gaagagctga | aaaaatatat  | caaagaatcg  | gctgctgagg  | 824640 |
| agaataaaaa  | gatagaagaa  | ctgaaggcta | ctatcgaaga  | aacagatatc  | gagaaacgcg  | 824700 |
| aacctatfff  | cgctcagatt  | gataaactgg | agaaagaagt  | tcttgagaaa  | tatgaaaagg  | 824760 |
| cgttgaatga  | tgtgcttcct  | actgcttttg | caattgtaaa  | agatacagcc  | cgtcgtttta  | 824820 |
| ctgaaaatga  | agaaatagaa  | gttactgcta | ctgaaatgga  | ccgtaatctg  | gctgctcagg  | 824880 |
| gtaaggactt  | cgtccgtata  | gaaggtgaca | aggccatctg  | gaaaaaccat  | tgggtagccg  | 824940 |
| gaggtaaatga | aatgacatgg  | aatatggttc | attacgatgt  | gcagctgttt  | ggtggtgtcg  | 825000 |
| ttttgcatca  | gggtaagatt  | gcagaaatgg | ctaccggtga  | aggtaaaacc  | ttggttgcta  | 825060 |
| cattgccggt  | attcttgaat  | gcgttgacag | gtaatggcgt  | acatgtgggt  | accgtgaacg  | 825120 |
| attacttggc  | taagcgtgac  | tctgaatgga | tgggaccgct  | ctatatgttc  | catggcttga  | 825180 |
| gtgtagactg  | catcgataag  | catcaaccga | actcggaagc  | tcgccgtcgt  | gcttacatgg  | 825240 |
| cagatattac  | attcgggtacc | aacaatgaat | ttggtttcga  | ctacttgctg  | gataaatatgg | 825300 |
| ctgtcagccc  | caaagacttg  | gtacagcgta | aacataatta  | tgccatcgtc  | gatgaggtgg  | 825360 |
| actctgtatt  | gattgatgat  | gcacgtacac | cgttgattat  | ctcaggtcct  | gtacctaaagg | 825420 |
| gtgacgaaca  | gttggttcgaa | gtacttcgtc | cgctggtaga  | acgtctggta  | gaggcacagc  | 825480 |
| gtaaattggc  | tactcaatat  | cttgagatg  | cgaacgtct   | gattgcttct  | gataagaaag  | 825540 |
| aagatgtgga  | agccggattc  | ctcgttttgt | tccgcagcca  | taaggcattg  | ccgaagaaca  | 825600 |
| aaccgcttat  | caaattcttg  | agttagccgg | gtatcaaggc  | tggtagctg   | aagaccgaag  | 825660 |
| aaatctacat  | ggaacagaac  | aacaagcgta | tgcggaggc   | tgttgagccg  | ttgtacttcg  | 825720 |
| ttatcgatga  | aaaactgaaa  | agtgtagatt | tgacagataa  | gggtgttgat  | ttgattacag  | 825780 |
| gtaactctca  | ggatcctaca  | ctcttcgtgt | tgccggatat  | tgacagctcag | ctttctgctt  | 825840 |
| tggaaaatga  | aaagggattg  | agcgacgaag | aaaagcttgc  | caagaaagac  | gagttgctta  | 825900 |
| caaactttgc  | catcaagtcg  | gaacgtgttc | atacaattaa  | tcagttgctg  | aaagcttata  | 825960 |
| ccatgttcga  | aaaagatacc  | gactatgtcg | ttatggacgg  | acaggttaag  | attgtcgacg  | 826020 |
| aacagactgg  | acgtatcatg  | gacggtcgtc | gttggagcga  | tggctctgcat | caggctgtcg  | 826080 |
| aagcaaaagga | aggtgttaag  | gtagaagctg | cgactcagac  | atttgctacc  | attaccttgc  | 826140 |
| agaactactt  | ccgtatgtat  | cacaagcttg | ctggtatgac  | cggtagcgga  | gaaacggaag  | 826200 |
| ccggagaatt  | ttgggatatc  | tacaaactgg | atgtagtgg   | tattcctacg  | aaccgtccga  | 826260 |
| ttgcacgtat  | cgatatgaac  | gaccgtgtat | acaagacgaa  | acgtgaaaag  | tataaagcgg  | 826320 |
| taatcgagga  | aattgaaaag  | atggtacagg | ccggacgtcc  | ggtactagt   | ggtactactt  | 826380 |
| cagtcgaaat  | ctctgaaatg  | ttgagcaaga | tgcttacctt  | gcgtaagatt  | cagcataacg  | 826440 |
| tattgaatgc  | gaagttgcac  | cagaaggaag | ctgaaattgt  | agctaaggct  | ggtcagagct  | 826500 |
| ctaccgttac  | cattgctacc  | aacatggcag | gtcgtggtac  | agatatcaag  | ctgagtcggg  | 826560 |
| aagtgaaagc  | tgcggagggt  | ttggcaatta | tcggtacaga  | acgtcatgaa  | tcacgtcgtg  | 826620 |
| tagaccgtca  | gttgctgtgt  | cgtgcaggac | gtcagggtga  | cccgggttct  | tctgtattct  | 826680 |
| tcgtttctct  | tgaagatgat  | ttgatgcgtt | tgttcgcttc  | cgatcgctctg | gctcactgga  | 826740 |
| tggataagat  | gggattcaag  | gaaggcgaag | tgattgaaca  | cagcatgata  | tccaagtcta  | 826800 |
| tcgaacgtgc  | tcagaagaag  | gtagaagaaa | acaacttcgg  | tattcgtgaag | cgtttgcttg  | 826860 |

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|            |             |            |             |             |             |        |
|------------|-------------|------------|-------------|-------------|-------------|--------|
| aatacgatga | cgtgatgaac  | aagcagcgta | ccgtagtata  | tacgaaacgc  | cgtcatgcct  | 826920 |
| tgatgggaga | acgtatcggg  | atggatattg | tcgacatgat  | ctgggatcgc  | tgtgtgaatg  | 826980 |
| ccgttgaaca | accggattat  | gaagatgcca | agatggaaat  | tcttcagacg  | ctggctatgg  | 827040 |
| aagttccgtt | cagcgaagaa  | gacttccgca | acaagaagaa  | ggacgatttg  | gccgaacaga  | 827100 |
| ctttccagga | agctatggct  | ttgttcaagc | gtaagactga  | acgtatggca  | gctattgcca  | 827160 |
| atccggtaat | taaacaggta  | tacgaagcac | agggtcatat  | gtatgaaaac  | atcctgattc  | 827220 |
| ctattaccga | cggaaaacgt  | atgtataata | tttctgtcaa  | tctgaaagaa  | gcatacgaaa  | 827280 |
| cagagtccaa | ggctatcgtg  | aaagcatttg | aaaaggctat  | tctgcttcat  | accatcgatg  | 827340 |
| atgcatggaa | ggaaaacctg  | cgtgaactgg | atgaattgaa  | acattcagta  | cagaatgcaa  | 827400 |
| gctacgagca | gaaagatccg  | ttgttgatct | tcaaacttga  | atcggttaac  | ttattcgata  | 827460 |
| atatggtgag | caagattaac  | aacaacacga | tatctgttct  | gatgcgtggg  | cagatacctg  | 827520 |
| ttcaggaacc | acagcaagta  | cgagaggctg | ctcccgaacc  | agaaactcct  | cgtcagcagt  | 827580 |
| atcgtgaaga | aaagcaggac  | ttgaatgatc | ctgaccagca  | ggaagctgcc  | ggacgtgata  | 827640 |
| cacgtgacgc | aaagcaggaa  | ccgtatcgtg | ccgaaaaaac  | agtcggacgc  | aatgatcctt  | 827700 |
| gtccgtgtgg | cagtggcttg  | aagtataaga | attgccacgg  | acgcaacaac  | gcgtgatcct  | 827760 |
| gaatgtttag | aaatatagat  | aagagatagt | gaatgtcatc  | ctgcagaata  | aagtatgcag  | 827820 |
| gatgacattc | ttttttttct  | cttcatattc | ttcatcgtct  | gtggctttcc  | attttagcat  | 827880 |
| gttacetgta | aaagccgcag  | acgttttatc | tttttttgta  | cagaaaaaat  | aaaaaattgt  | 827940 |
| acaaattttc | agaagcatgt  | tgaagggttt | cttttggtgt  | tacttggtgc  | tttttgcaca  | 828000 |
| cttccccttc | cttgctgttt  | gctttattga | tcaaaaaaag  | gactattatc  | gaaaggctga  | 828060 |
| cagatcgta  | gttagaaatg  | tgaacaagt  | cttgaaagat  | tgataaataa  | gcaaaataaa  | 828120 |
| aaatgaacca | gagggcgatt  | cccgaatct  | ttttatcttt  | gcactctgtac | attgtttacag | 828180 |
| taaatttttg | ctgtaataaa  | atagtggatt | taaaatatat  | tatgatgaaa  | atatatgctt  | 828240 |
| tgtatgcagt | tgactgatg   | tgctgtctcg | tttcatgtag  | ttctatacag  | acgttgacgt  | 828300 |
| ttgatcagtt | aagtccggcg  | acaatcagtt | tccccgagag  | agtgcgaaat  | gtcgtgtcg   | 828360 |
| taaataatat | gccggtcatt  | ccggaagcaa | aacgaacgat  | acttacattg  | ggcgagatga  | 828420 |
| acggaacgg  | taaaaagtcg  | gcagaaatgc | tggtatcggc  | attggctgat  | tccaagtatt  | 828480 |
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| tactcagttc | acaagagggtg | atgcagcttg | ccgaagaact  | ggatgctgat  | attgtttttt  | 828600 |
| ctttggatct | ggtgaatatc  | cagactgaac | gtgatgaaat  | cttttatccg  | ggattacagg  | 828660 |
| gatcgtgggc | ggttataaag  | gctaagatta | ctcctgtatt  | gagtcctttat | atacctgggc  | 828720 |
| gtgaagagcc | catgaatgtt  | ataaccaaga | ctgacagcct  | gcaatgggat  | gcaagtatgg  | 828780 |
| ctccttcaga | ccgtcagatg  | caagaagaag | cggcttcatt  | ttctgcatat  | atgctgacac  | 828840 |
| aaatgctagt | tccttactgg  | cagcaggcag | aacgtcttta  | ttacgacgga  | ggttgctggtg | 828900 |
| aaatgcgtga | tgctgctgtt  | tgtgtacgcg | agaacgactg  | gcagggtgca  | tacgacttgt  | 828960 |
| ggcactcact | gtatgagcaa  | acgagatcga | aaaaactgaa  | agtacgggtcg | gctatcaacc  | 829020 |
| tcgcattggc | atccgagatg  | caaggagatg | tgatgcaagc  | agaaaaatgg  | ctgaaagagg  | 829080 |
| tggaagacaa | aattgttccc  | ggctccgatg | aggatgttgt  | gtggaagttt  | tatgctggac  | 829140 |
| agttagcaaa | gaggataaaa  | gagtttcccc | atttgaatag  | tcaaatgagt  | cgttttggaa  | 829200 |
| acaatttctg | ataatatctg  | ttgcacgaat | gatttttttt  | gtacatttga  | agtaataaaa  | 829260 |
| ttcgataagc | atgatgaaca  | ttagtgaaca | gtctcatact  | tctattgctt  | ctacgttgaa  | 829320 |
| agaagctgtt | agcagatata  | ttactacgga | tgacaattct  | gttgtaacag  | atattcattt  | 829380 |
| gcagcctaga | caagatagtg  | gagaactcct | cattttcaac  | gatgaagatg  | aagaattggc  | 829440 |
| acgtaccatc | atcgatgagt  | gggtggatta | tgacgggtgac | gattttttaca | aagaagtaga  | 829500 |
| gccagtactt | cgtgccgaag  | ttacagtgtc | gaaggatgaa  | ggagaactcg  | ataaattatg  | 829560 |
| tttgatgaaa | ccatattcgt  | ttgtgctggg | ggacgaggag  | aaggagacga  | tatcggaact  | 829620 |
| tctgctgata | gatgatgaag  | ataccttgct | gctggacgat  | gaattgttga  | aagggtgga   | 829680 |
| tgaggagctc | gatgcccttc  | tgaagacct  | gctggaaaaa  | taagcaggga  | gttgttccat  | 829740 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
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| tttgcagacg  | attaatcctc  | gctggagagg | aaatccgaat  | gccagaggaa  | agttcttcaa  | 829860 |
| tcgtcagcat  | cgctggcgct  | cggggatggg | tagtgtgctg  | aaatggcggt  | tttctccgaa  | 829920 |
| tcctcagcgt  | aaagagaaga  | aaatgattaa | gtggaatccg  | aaaatacatt  | ttcttcgctc  | 829980 |
| actggatgcc  | gtagtcggaa  | attcattgat | atggttgggg  | cataattctt  | ttttccttca  | 830040 |
| attgggagga  | aagcgtttca  | tgattgatcc | ggtatatgga  | aacatccctt  | ttgtgaagcg  | 830100 |
| caggagtcat  | tttccggcca  | atccctctat | ttttacgcat  | attgattatt  | tgttgatcag  | 830160 |
| ccacgatcat  | tttgaccatc  | tcgataaacc | aagtgtggct  | cgtttggttg  | ccgacaatcc  | 830220 |
| tcagatgaag  | ttgttttgtg  | gcattggtac | gggagaactg  | attaaaggct  | ggttcccagc  | 830280 |
| tatggaagtc  | atagaggctg  | catggtatca | gcagcatcgt  | gacggcgatt  | tgcggtgcac  | 830340 |
| ttttcttcct  | gcccagcact  | ggagcaagcg | tggggtaaac  | gatgggggag  | aacgactgtg  | 830400 |
| gggagctttt  | atgatagaag  | ccgacggaat | cactattttac | aatagcgggtg | atacgggtta  | 830460 |
| tgcacgtcat  | tttagcgaac  | ttccagaatt | gtttccacac  | attgattatt  | gcatgatagg  | 830520 |
| tatcgggtgcc | tacaaacccc  | gctggtttat | gaaacctaac  | catatctctc  | catacgatgc  | 830580 |
| gcttacggct  | tcggccgata  | tgggggcctg | tataacggtt  | cctatgcact  | acgggacttt  | 830640 |
| tgacttatcg  | gatgagcctt  | tgtttgatcc | gcctcatgtg  | tttgctaccg  | aggcgaaaaa  | 830700 |
| acgcaatatg  | cccgttctgc  | ttccagaatt | gggcgaaatc  | atcaaattga  | atcgtcagca  | 830760 |
| ttaaatttcc  | tgctgcttta  | ttttgctgtc | ttttctggag  | ttactgtcaa  | actttctttg  | 830820 |
| gggattacaa  | tggttcgctg  | agctgttgag | tcattcttta  | tgcttgtcac  | ttcgcccttt  | 830880 |
| gtagtgaagt  | agacataatt  | tcccatatca | taaaaacgat  | aaactttttac | tccatcgtgt  | 830940 |
| tcgaacaggt  | aactgatggt  | atagctgtcg | ttgttctggg  | gagctttgtt  | ctggataggt  | 831000 |
| attcctgcta  | tgccgcaaga  | ggaaaacgtc | atagtgcata  | gaaataacag  | cccgatgtag  | 831060 |
| aataaaacttg | ttttcatgtc  | tgaaagtttg | gagtggtttg  | tactttaacg  | tgagttcgat  | 831120 |
| gaattataac  | tatttgtaaa  | tttggtgatt | agtgaaaatt  | gttgtaactt  | tatagtgttc  | 831180 |
| aattacaaag  | tattacaaac  | aataatcgct | atgatcaccg  | aggacaaagt  | tacagaatta  | 831240 |
| ttttgtatgg  | cggacgactt  | ctgcaagttt | tttgatgcaa  | tgatggaaaa  | atatacgctg  | 831300 |
| aaatcaggca  | ccaagcggcg  | ttatcaccgc | gattcgacta  | tgtcaaaggc  | agaaatcatg  | 831360 |
| ttgattatga  | tattgttcca  | tgactccggc | taccgttgct  | tgaaacattt  | ctatctggaa  | 831420 |
| aaagtatgca  | gacatctgcy  | ccacctcttc | caaagatttg  | tttcatacaa  | tcgttttgtg  | 831480 |
| gagcttgaaa  | aagaagtggc  | agtaccattg | gctcttttca  | ttaagaaagt  | gttgcttgga  | 831540 |
| aaatgcacag  | gcataagttt  | cgtggacagc | accccgttgc  | gggtatgcag  | gaatcaaagg  | 831600 |
| atacatatcc  | acaaggattt  | caagggtata | gccc aaaggg | gcaagtgttc  | catgggatgg  | 831660 |
| tttttcgggt  | tcaaactgca  | tttgatatgt | aacgagaaag  | gcgagctgct  | gaacttcatg  | 831720 |
| ataactccgg  | gtgatgtcga  | tgacaggaaa | ccattggagt  | ataaggcggt  | tgctgaattc  | 831780 |
| atctacggaa  | agttggttgc  | agacaagggc | tatatcggca  | agaacctctt  | ccgacgcattg | 831840 |
| tttggttgacg | gtatacagct  | tattacaaaa | ctcaaaagta  | acatgaaggg  | ggctttgatg  | 831900 |
| agtgtgtcgg  | acaaattgct  | gcttaggaaa | cgggctatta  | tagagacggg  | aaacgacgaa  | 831960 |
| ttgaaaaaca  | ttgctgcaagt | ggagcattcc | agacacagaa  | gctttgacaa  | tttcatcgta  | 832020 |
| aacatactgg  | gggcgattgc  | ggcgtactgc | atgtttccaa  | aaaagccgtg  | tatcaatgta  | 832080 |
| caacgtacat  | ttgacacaca  | gcttgctttg | ttttgaattc  | gtcgaattca  | cgttacttta  | 832140 |
| caaatatagc  | agaatatattt | gattctgccc | atggtaagct  | cggagtattg  | gctggcggtta | 832200 |
| tgcttaaaga  | aatttatcag  | ggggagaaat | ggaaaataaa  | aaaacttgag  | gcaggaatat  | 832260 |
| atcaaatcct  | gcctcaagtt  | ttatagggta | aaaggataat  | tcaattactt  | tttcagtgc   | 832320 |
| gcaatgcttt  | ctttcagggc  | tgcaattttg | gtttcagcat  | cagattgttt  | cttgcggttc  | 832380 |
| atctcgatga  | cattagctgg  | cgccttgctg | acaaactttt  | cgttactcaa  | ctttttcagg  | 832440 |
| acgctttgca  | ggaagccttc  | ctggtatttc | aaatctgctt  | ccagtttctt  | tagctcttct  | 832500 |
| tccacatcaa  | tcaggttacc  | cagcggaatg | aagtattcgg  | tggtgcctac  | catgaatgaa  | 832560 |
| gctgcgcctt  | ccggtttgct  | gtcgactacc | gttacagcag  | aaagggttagc | catcttcttc  | 832620 |

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|            |             |             |             |             |             |        |
|------------|-------------|-------------|-------------|-------------|-------------|--------|
| acgacttcgg | catacgccat  | cagttgagta  | ttttcgccca  | gtacaagcat  | ttctagagct  | 832680 |
| tctttttgtg | caatgttctt  | ctgcaggcgg  | atattgcgga  | cacccgaaat  | gatttccttc  | 832740 |
| aactggtcga | aagtattgca  | gagctcggtg  | gcagcctgca  | agtcacgtcc  | ttcaaagtgt  | 832800 |
| tccagctgag | ccgtcatgat  | gctttcttcc  | ggcttgcggt  | cgtaaagtgt  | ctgccacaat  | 832860 |
| tcttcggtaa | tgaacggcat  | gaacggatga  | agctggcgca  | gcagtacgtc  | gaagaaatgc  | 832920 |
| aaggttgttt | cgtatgtctt  | cttgctgata  | ggctgtccgt  | atacaggctt  | gatcatttct  | 832980 |
| agataccagc | ttgagaactc  | gtcccagaat  | aatttgtaaa  | ccagcatgag  | ggcttcgctc  | 833040 |
| agacgatatt | tgctgaacag  | gtcattcatt  | tcggcagata  | ctttaaccaa  | caagttatcg  | 833100 |
| aaccattcgg | ttgccagctt  | agcatattcc  | ggctgtctga  | tgtcgggtac  | ctgccagcct  | 833160 |
| tttaccagac | ggaaagcatt  | ccatatctta  | ttgttaaagt  | tacgtccttg  | ttcgcacagt  | 833220 |
| gcacgtcga  | acaaaatata  | gtttccggca  | ggtgcggcaa  | gcatacatcc  | catacgtaca  | 833280 |
| ccgtcggctc | cgtacttgct  | tatcagatcc  | agcggatcgg  | gtgagttacc  | cagtgatttg  | 833340 |
| gacatcttac | gtccgatctt  | atcacgtaca  | ataccggtga  | agtatacatt  | tctgaacggc  | 833400 |
| atatcgccca | tatatcgtat  | gccggccatg  | atcatacgtg  | ctaccagaa   | gaagatgata  | 833460 |
| tccggacccg | ttaccaagtc  | ggaagtaggg  | tagtagtatt  | ttatttcttc  | gttgcccgga  | 833520 |
| ttgttgatac | cgtcgaacaa  | agagatcggc  | cacaaccatg  | aagagaacca  | ggtatccaga  | 833580 |
| cagtcatcat | cctgacgcaa  | gtcttccact  | ttcaagttct  | ggttgccgggt | tttttctttc  | 833640 |
| gccagttcca | atgccttttc  | aggagtttcg  | gctacaacga  | aaccaccttc  | gggcaggtaa  | 833700 |
| taagccggga | tgcggtgtcc  | ccaccacagc  | tgacggctga  | tacaccagtc  | tttgatatatt | 833760 |
| tccagccagt | tgcgatattg  | gttcttgtag  | ttggccgggt  | agaacttcag  | ttcgtcgttc  | 833820 |
| atgaccggag | gcagtgccat  | gtcagcaaaa  | tgctgcatgc  | gcaggaaacca | ctgcatagac  | 833880 |
| agttttgggt | cgatagctac  | gttggtacgt  | tcagaaaaac  | ctactttatt  | agtatatgct  | 833940 |
| tccacctttt | ccagcaagtt  | ggcagcagcc  | agatcttttt  | caatctgttc  | gcggacatcg  | 834000 |
| aagcgatcca | tgcttacata  | cagaccggca  | gcctcgctga  | tagttccggt  | gtcgttgaaa  | 834060 |
| atatcgatag | aaggcaggtt  | gtatttttct  | cccagcatat  | agtcgttcac  | atcgtgtgca  | 834120 |
| ggagttactt | tcagacagcc  | tgtaccgaat  | tcgatgtcaa  | cataatcatc  | ttcgataacc  | 834180 |
| ggaatgacac | gtcctaccag  | cggaaacgatg | acctttttcc  | ctttcagcca  | gtgatttttc  | 834240 |
| gggtcgttag | ggttgataca  | catagcagta  | tctcccataa  | tggtttccgg  | acgtgtagtt  | 834300 |
| gctactacag | catagcggcg  | tccttgtagc  | tcgcggtgta  | ccacttctcc  | ttcgggtccg  | 834360 |
| gtttcaccac | tcatgtcgtc  | gttggaata   | taatagcgca  | gataataaag  | tttgctgtgt  | 834420 |
| tcttctttgt | agatcacttc  | ttcatcgctg  | agtgtgtgca  | gtgctttcgg  | atcccagttg  | 834480 |
| accatgcgta | caccacggta  | aatcagtcct  | ttattatata  | ggtctacaaa  | aaccttgata  | 834540 |
| acgctttcac | tacgtttttc  | atccattgta  | aaagcgggtgc | ggtcccagtc  | acaagatgca  | 834600 |
| cccagcttac | ggagctgttt  | caagataatg  | cctccgtgtt  | cttccgtcca  | tgcccatgca  | 834660 |
| tgtttcagaa | attcctcacg  | tgtgaggtcg  | gttttcttga  | ttccttggtg  | agccagtttg  | 834720 |
| tttacgactt | ttgcttctgt  | agcaatagaa  | gcgtggtctg  | ttcccggaac  | ccagcaggca  | 834780 |
| tttttacctg | tcatacgggc  | acggcgtacc  | agaatatcct  | gaatggtatt  | gttaagcatg  | 834840 |
| tgtcccatgt | ggagtactcc  | ggttacgttt  | ggcggtgagg  | tgacgacggg  | atatggttca  | 834900 |
| cgtccgctcg | gtttagaact  | gaaaagcttg  | ttgtccagcc  | aatactgata  | ccatttccct  | 834960 |
| tccacatcgg | cgggattgta  | cttacttgct  | aattccattt  | ttctatatcg  | tttttaaattg | 835020 |
| ttttgttttt | atgtgttttc  | ggtcgcaaa   | gtactaataa  | aaagtgataa  | aacagaaaaa  | 835080 |
| tgtgatgaag | ttatcgggtt  | tatatataat  | tgtcaaagaa  | gtctttttgt  | tgtcttagga  | 835140 |
| atataataat | gtttacgggt  | aagaagagtg  | atttatattg  | acttttgggg  | gtaatgtgta  | 835200 |
| tattataagg | actcctctta  | tatacacttc  | tgaattttcg  | ttattatgga  | attcatttgt  | 835260 |
| tctattgtaa | agtttaacaa  | tattggggga  | ggtggatgat  | gtatatgtac  | tactattata  | 835320 |
| cgatataaaa | aaagagttcg  | gcgtatcacc  | gaactctttt  | tctatgggtta | aataatttgt  | 835380 |
| tatttagctt | atttaaatgat | aatgctaaat  | tgggagattc  | taataataag  | gaaatccaaa  | 835440 |
| ttatttctga | actggatttg  | tatagataat  | actcattttt  | atgcgttggc  | tttcatcgga  | 835500 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cgagttgttg  | agatcctttc  | ctcccataag  | catggccgag  | tttacattca  | agtcattttc  | 835560 |
| tacacctatt  | atattgcctt  | gagagtcact  | ttctgttgtc  | acaggtacaa  | gcaatagttt  | 835620 |
| attataatct  | tggtgttcgc  | ttttccattt  | attccattca  | gcttctcctt  | tttctatttc  | 835680 |
| aggcctgatt  | tcactaaaaa  | tgtaaagatat | caagcgattc  | aatttaaaaa  | agtcgtatga  | 835740 |
| gttggttagtg | gagctgtaag  | tagcaataaaa | tgtgggtttta | ttatcatata  | ctttattgtt  | 835800 |
| ctcgaagaaa  | tctttcatct  | caccctttcg  | taccattagt  | aaattactgg  | gggtacccat  | 835860 |
| tttaaaggga  | ttattacttt  | ggtcttttag  | tttctggaat  | gatacagaga  | tggaattcag  | 835920 |
| tgtatcgttc  | ttgtgtgcct  | ggtacatttc  | ttcaatgggg  | agagtgactt  | ctgtgcaaag  | 835980 |
| ccctgctggt  | gttttaagat  | acgtacattt  | cggatcactg  | actaattctt  | tcatgcctga  | 836040 |
| gttcttgaaa  | cgggtagaca  | tgaatacttc  | tttggtagat  | gacatcgga   | caaccgtatg  | 836100 |
| taccaacgta  | tctttatctt  | ctgaagtttt  | tgtccaatat  | gctatggtca  | gatgcaagta  | 836160 |
| aatatcagag  | atgtaaagaa  | tagatccttc  | gccactgata  | gtatgtacat  | agaatccttt  | 836220 |
| taatacatta  | ttgataaatg  | attcagaatc  | cttgaagtaa  | ggatgaatgg  | ttttaccatt  | 836280 |
| tactgtttca  | gtataattat  | atttttctag  | aaagttcttg  | caaaacccat  | ctcctaaatc  | 836340 |
| aatggcaaca  | ttagggtagt  | aaccatcttc  | atttctgaca  | gagtcaggaa  | ttgtacggtc  | 836400 |
| gtatgcagag  | taatccttaa  | tagccaaagg  | ggttgcatc   | ttgtcataat  | actctgtcgg  | 836460 |
| gtcaagatta  | ctatagtata  | aagctttatt  | agtgccatca  | tctttgattg  | ccttcgctcag | 836520 |
| tggtatctatc | tgaacgcgaa  | tacttgcaag  | agaatctccg  | aaatagcttg  | tgtaatagag  | 836580 |
| gcctaacttg  | gcagtcctga  | tttcttctat  | tctgtcagg   | agtataaagt  | tttcaggaca  | 836640 |
| gtttatctga  | acaagaaaat  | cagaactgaa  | tgttccgtaa  | tctttatctg  | taaatttgcc  | 836700 |
| tagataagct  | gtgctggaac  | gtgaatagac  | agagtcta    | agataagatt  | ctgtttcaat  | 836760 |
| tgtatacgaa  | tcggcctttg  | ccggaatcat  | gtcagcatcg  | gctacaaact  | gaccgattcc  | 836820 |
| tgctgtttcg  | tcatcacaac  | tgtagagtgt  | ggcagcaatt  | cctaattgcta | ccaagaactt  | 836880 |
| gagtttcatt  | gtttcaattt  | aattttgtac  | gttaagagag  | tttattcggc  | ttcttcccat  | 836940 |
| actttgtcgt  | agagagcatt  | gcatgcatca  | gcataagtat  | ctgcgggttg  | atagtcgact  | 837000 |
| accggaatat  | taaggctacg  | tgcatagtcc  | ataatagccg  | gatttacatt  | ttcactattt  | 837060 |
| tggtatgactc | cgctcggaata | ggtgatggcg  | agtttgcata  | attcgtcatg  | attgacggga  | 837120 |
| tcgtttatca  | tgcttaagtc  | ttctggagta  | atatccctga  | ataagacttg  | ttctttaaag  | 837180 |
| tttggaaaca  | gattggactg  | gaatccgttt  | ccgtagacag  | agaaaattac  | ttttgaatct  | 837240 |
| ctgaatgagg  | gttcatcata  | atatgccttt  | tttatgaata  | aaggaaactac | tgactcatc   | 837300 |
| catccatgac  | agtggattat  | atccggacac  | caacgaagct  | tcttgacgg   | ttccaatata  | 837360 |
| ccacgggcat  | aaaaaatagc  | acgttcgccg  | ttatcttcat  | attccttacc  | ctcttcgctc  | 837420 |
| gtagtcatca  | gacgggtgctg | gaaataatca  | tcattatcga  | taaaatagac  | ctgacggcgc  | 837480 |
| gcagcctgaa  | tagaagctac  | tttaataatc  | agggggtgat  | cagtatcatc  | tatgatgatg  | 837540 |
| ttcattccc   | ataaacggat  | aacttcgtgc  | aattggttgc  | ggcgttcgtt  | tacattgccc  | 837600 |
| catttgggca  | taaatgtacg  | aatttcacgt  | cctttgtcct  | ggatagcttg  | cggcaaattt  | 837660 |
| tgaccgatta  | gagataattc  | actttcgggt  | acgtagggag  | taatttcttg  | tgtaatgaat  | 837720 |
| aatacttttt  | tcgcgctcat  | gttattttat  | tagttgtcta  | taaacatttt  | gcaaagatat  | 837780 |
| aaaaaaaaag  | gacgagaaag  | gcaaatacgc  | tctgttattt  | attccttata  | gtttgttaac  | 837840 |
| gacttgtaaa  | atagtgtgtt  | gcgaatgaaa  | ctatttcatt  | ttgcaaacat  | cttgagata   | 837900 |
| aaaaactttg  | ttgtttttta  | tcaatctgtt  | ttattatgtg  | gtaaaaatgt  | ggttactttg  | 837960 |
| cacccgattt  | tagaaaacta  | ttagttaa    | aatcaaagaa  | aatgaagcta  | attcaaacta  | 838020 |
| ttcaagaact  | tcgtgcggag  | ttggatgcac  | ttcgcaagga  | gggtaagacc  | atcggaactg  | 838080 |
| ttcctactat  | gggggctttg  | catgcaggtc  | acgcttcgct  | tgtaaaacgt  | gctgttgccg  | 838140 |
| aaaatgatat  | tgtagtagtg  | agcgattttg  | tgaatccac   | tcagttaa    | gacaaaaatg  | 838200 |
| atttattgaa  | atatccacgt  | acactagatg  | ccgattgtaa  | gctgctggag  | gcatgtgggg  | 838260 |
| catcgttgt   | atttgtccg   | tcggtagaag  | aaatttatcc  | ggagccagat  | actcgtcagt  | 838320 |
| tcagctatgc  | gccgcttgat  | acagtgatgg  | agggtaaata  | tcgtccgggg  | cattttaatg  | 838380 |

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|             |            |             |             |             |             |        |
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| gggtctgcca  | gatcgtgagc | aaacttttcc  | tgatagtaga  | gcctacgcgt  | gcttattttg  | 838440 |
| gagaaaagga  | ttttcagcag | ttagccatta  | ttcgtgaaat  | ggtacgcaag  | tatcctttca  | 838500 |
| atcttgaaat  | tgtaggatgt | ccgattgtac  | gtgaagcaga  | cgggctggca  | ttaaagtagcc | 838560 |
| gtaacgctcg  | tttaagtact | gttcagcgtg  | ctcaggcatt  | acagatttca  | aaaactttat  | 838620 |
| ttgcaagtgt  | agaatatgcc | aagacacata  | ctctcgacga  | aacaaagaca  | tttgttgaaa  | 838680 |
| caaagattgc  | tgaatcggaa | ggattaagac  | tggaatactt  | tgagattgtg  | gatggaacct  | 838740 |
| cattgcagac  | tgtacattca | tgggaggaca  | gcaattatat  | tgtaggatgc  | atcactgttt  | 838800 |
| tctgtggcga  | agtacgcttg | atagataata  | ttaaatataa  | ggagtaaggc  | catgatgata  | 838860 |
| gaagtgtgta  | aatcgaaaat | tactgtgtgt  | acagtaaccg  | aagctaattct | gaattatatg  | 838920 |
| ggaagcatca  | ctattgatga | agaccttatg  | gatgctgcta  | atatgattgc  | aggagaaaaa  | 838980 |
| gttcagattg  | tagacaataa | taatggcgaa  | cgttttgaaa  | cgtatataat  | aaaggggtgaa | 839040 |
| cgtggctctg  | ggtgcatttg | tctgaacgga  | gcagcagccc  | gtaaagttca  | ggttggggac  | 839100 |
| gtggttaatta | ttatgtcgtg | tgctctgatg  | gactttgagg  | aagctaagac  | tttcaagccg  | 839160 |
| acagtgatat  | ttcctgatac | ggtaactaac  | aagatggtat  | aacaaactgc  | cgttctgtcg  | 839220 |
| gactgattgc  | tgaagatgta | gcacggcgac  | ggcaaataa   | gaggaaagag  | ccatatcatc  | 839280 |
| actctgagta  | acttttcaga | gtaggatatg  | gctctttctg  | ctttattact  | tttcgctgca  | 839340 |
| agttaaaagc  | tatagagatt | tttctttgat  | cgtaaccggtg | cgataagcga  | cgagcagctt  | 839400 |
| tttcagatct  | tctatttggg | tactcaattc  | ttttccttta  | tcggtatctt  | taaccatcat  | 839460 |
| gcgcttactg  | ctcatttcaa | ctatctgagt  | tgctgatttg  | atgtcgagcc  | cttcttcaat  | 839520 |
| ggctttttga  | gtagatgtga | aaggttcgtg  | ttgaaccagt  | tggaagccgc  | gagagtgata  | 839580 |
| taccagtgtg  | tatccggcga | tacctgtttc  | cggttgatag  | gctttggaga  | atcctccgctc | 839640 |
| tatcaccatc  | agttttccgt | tagctttgat  | aggcttttct  | ccttttacag  | cttttaccgg  | 839700 |
| tacgtgtccg  | ttgatgatat | gacgatgttc  | tccttctacg  | ccgaattcat  | ccatgatcat  | 839760 |
| atcacatata  | tcttcccggg | cgcgtaaagt  | ataataatat  | ccttttacct  | ctctatgggt  | 839820 |
| ttctttgtca  | gccaggaaat | aacgttcaaa  | ggttgccatc  | ttactcttgt  | cgaagcagg   | 839880 |
| ggagtctttt  | ccgcaccata | agtaaccatac | gtagtcgagg  | gcaaaagctt  | tttcttcatt  | 839940 |
| atcgttttct  | gcgaaataag | cagtacgtat  | cagctgtcca  | accttgctca  | gcagagcttt  | 840000 |
| acccttgat   | ttcttgctga | gaatatttat  | ttctttcagt  | gaaccgtctt  | cattgagagg  | 840060 |
| catggaagca  | tgaacaaca  | ggttagagtt  | acaacatta   | tacatgcagc  | cgtagcggaa  | 840120 |
| gaggcatttc  | atgtgcgtac | gcagtttttc  | actgccggta  | aatgagttat  | gtaacttttg  | 840180 |
| tacaatatcc  | ttttcttctt | ctgttagctt  | atatgggtcg  | gtcggatcga  | ctgttgggaa  | 840240 |
| caatccgtcg  | cgcaaagcat | attcttgtcc  | gtccagagta  | atgactttac  | gatcgaaatc  | 840300 |
| gatgcgttcc  | agcagtaatc | ggtcttccat  | ttcaaactcg  | ggcggcgga   | gaattgtttc  | 840360 |
| tgcttccagt  | ttaaactgga | taatactgat  | ggccttatgc  | atttgtgcaa  | tcaggcggat  | 840420 |
| agtcttttca  | ttgtatggac | tgacttctt   | gtctatcttt  | ggggtaaagc  | acttgcatgg  | 840480 |
| atcgctcgga  | tacatttcca | tggcaaagt   | tgccagtggg  | agcaggttga  | tgccgtaacc  | 840540 |
| gtcttccaga  | gcggacagat | ttccatatcg  | catggcaaga  | cggagcacgt  | tggcaataca  | 840600 |
| acagttgttt  | cccgaagcag | ctcccatcca  | taaaatatca  | tggttacccc  | attggatatc  | 840660 |
| aaagtatatga | tagttgcata | atgtgtccat  | aatgatattg  | gggccgggac  | cacggtcgaa  | 840720 |
| tatgtcgccc  | aggatatgca | aagaatcgat  | ggtaagccgc  | tgtatcaagt  | tgcacatggc  | 840780 |
| aacgataaag  | tcgtcggcac | ggtgcgtatc  | aatgattgta  | ctgataatca  | cattgatgta  | 840840 |
| tgcttgcttg  | ttaggtccca | tgctgctttc  | gtgaagcaat  | tcctgtatga  | tataggagaa  | 840900 |
| ctcttcaggc  | agtgccttgc | gaaccttggg  | gcgggtatat  | ttagacgata  | cgttctgaca  | 840960 |
| aatttttact  | aactggttta | gtgtgatgac  | ataccagtct  | actagggtctg | tctccacttc  | 841020 |
| ttttactaat  | tgaagctttt | gttcagggtg  | gtatatcaat  | gtgcagattt  | ctttcttctc  | 841080 |
| cgattcacgc  | aacgtattgc | cgaaaatttc  | atttactttc  | cgtttgatgg  | ctccggaagc  | 841140 |
| atttctcaga  | acatgctgaa | acgcttcgta  | ttctccatgc  | aggtcggcca  | gaaaatgttc  | 841200 |
| cgttcccttg  | ggcagattca | taattgcctc  | caggttaata  | atttcggtgc  | ttgcagcagc  | 841260 |



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|             |            |            |            |             |             |        |
|-------------|------------|------------|------------|-------------|-------------|--------|
| gattgtagga  | aaactatgcg | aaagaagttc | caggtaacgg | atatctttct  | gaatcatttc  | 841320 |
| ctgtgtgatt  | tgtttgtaaa | ttttcatgtt | attgttcagg | ttagaatagt  | tataagaata  | 841380 |
| tcattaaaaat | aagttgggcg | atgattacac | gaacaaacat | accgagcgga  | tagacggtag  | 841440 |
| catagctgat  | agccggatta | tcattcggaa | taatatcggt | tgcataattc  | agagccattg  | 841500 |
| ggttggccat  | gcttcacaa  | agcataccgc | atgtattgcc | aaagtccatc  | ttgcatagac  | 841560 |
| ggagagatac  | cagtgccatt | atgactacag | gtataaacgt | gatgaggaag  | cctataccta  | 841620 |
| tccatagtgc  | tccttcggg  | cgcatgaccg | tgtcgaagaa | gtgtgctcct  | gaatctagtc  | 841680 |
| ccaggcatgc  | aagataaagc | gacaagccga | taccgcgga  | catcaggctg  | gcgctgcggg  | 841740 |
| ttgtataggt  | cactaagtgc | aggcgcgggc | cgatgaacc  | tatcagaata  | ccggcgataa  | 841800 |
| tcggacctcc  | agccagtcct | agcttgacag | gcgaactaat | tcccgggatg  | gcaataggta  | 841860 |
| tcgaacctac  | aaccagtcca | aagacgattc | cgataaagat | agaggcaagg  | ttagggtcct  | 841920 |
| tcagcgtttt  | gacagtattg | cctaatactt | tttccacatt | cttgatagcg  | gcggcttcac  | 841980 |
| ctacaacagt  | cagtcggtct | cccaattgta | aaactagttc | aggagtagcc  | agcagttgta  | 842040 |
| caccactacg  | taatacacgg | ctgatgttta | ttccatacat | gtttctcagt  | cggagtgaac  | 842100 |
| ccagtttctt  | gccgtttatt | tccggacgtg | aaataacgat | gtgtttggaa  | atcagctggc  | 842160 |
| tgtctatggc  | atcccagtc  | atatcttctt | tgttccagtc | tttcttttct  | tgttcccca   | 842220 |
| aaaggattgt  | caaagcctgt | acatcttttt | ctgttggtac | gaccagtaat  | cggctcgtttt | 842280 |
| cttttattac  | tttttcagaa | gtagggatac | agacttgtcc | gtttctccac  | aaacgtgaaa  | 842340 |
| tgacgaattt  | gatcgtactg | acatagacca | aatcgtgaat | acttttattg  | aatacagcag  | 842400 |
| ggttgtgtac  | ctgaaatggt | gcaatataag | tctggttggg | gtcttcgtgt  | tcgtgttgct  | 842460 |
| ccatgtcaga  | aggacgtacg | aataatttcc | tgactacaat | gatagccaat  | atgactccaa  | 842520 |
| ccacacctag  | cggataggtc | acagcacaac | ttaaggcagc | accactgggt  | gattctccca  | 842580 |
| gctgctttaa  | ggtctgctgt | gcggcaccca | aggcgggagt | attagtcggt  | gctccgcaca  | 842640 |
| agataccaac  | catgtcgggc | attgaaattg | gagttattgt | cgtaagtgca  | accgccatca  | 842700 |
| ctgtacctag  | cagaatgact | cccagtccca | acaaattcag | tttgcatcct  | cctcgctgga  | 842760 |
| aagaactgaa  | aaaaccggga | cccacttgta | aacctagtgc | ataaacaac   | aggacgagtc  | 842820 |
| cgaaactctc  | ggcataggta | agcatctgag | ggtcgatgga | aaagcccaa   | tggccggcaa  | 842880 |
| aaattcccat  | aaaaaacaca | aaagtaactc | caagagatac | tccacagata  | tgtaatttcc  | 842940 |
| ctaattccgag | tccgatagat | atgatgagcg | acagtatgac | aactgcctgc  | aatgctgtat  | 843000 |
| gttcaaaaaa  | taaattatat | aaccattcca | tggtgtaaag | atacataaaa  | ataaattatt  | 843060 |
| atcaccacaa  | aggacacaga | gcgacacaaa | gaaaagataa | gaaccgttct  | tgtgtaactc  | 843120 |
| tgtgcccttt  | tatggcaaaa | ataatttggt | tagcgtacga | ataacaattc  | gcgatactta  | 843180 |
| ggcagtgtcc  | acatctggtc | atcaacaatc | agttcgagct | tgtcgatatg  | ataacggatc  | 843240 |
| tgttccagca  | tccgtgcgat | attatcgtgg | taagcaattg | ctttttcgcg  | ttcggttgtg  | 843300 |
| atgcggttcg  | ctactttacg | agcttctacc | attgcatcta | catgttcttt  | gatatatgct  | 843360 |
| gtatgttcgg  | ctatttcctt | aataattgcc | agattctcgg | ccgacagggt  | agctgcttct  | 843420 |
| tcagcagggg  | agagcgattt | catcttgtag | gcattgtcta | tcagcttggg  | ctggtattca  | 843480 |
| atagccacag  | gaactacatg | gttcatcacc | aggtcgcccc | gtacacgtgc  | ttcgatctgt  | 843540 |
| atcttttttg  | tatacatttc | ccatttcacc | tcgttgcggt | ctgcgagttc  | cttacggttc  | 843600 |
| atgactccgg  | tagactcgaa | catgcggatg | gtttccggct | tcaagtaatt  | atcaaagatc  | 843660 |
| agcggacagc  | tggtttcaca | gtccagacca | cggcgggcag | cttcttcttt  | ccattcgtca  | 843720 |
| ctatatccgt  | taccgtcgaa | gcggataggc | ttgcattctt | tgatgtatcc  | acggataacc  | 843780 |
| tggaataatg  | ccgaaatctt | cggttctccc | ttttcgatca | atgtatcgac  | atccttcttg  | 843840 |
| aaagcgatga  | gctgttcggc | tacggctgta | ttcagcgcaa | tcattggcact | ggcacagtta  | 843900 |
| gcctctgaac  | cgggagcacg | gaactcaaaa | cggtttcctg | taaatgcgaa  | aggtgaagta  | 843960 |
| cggttacggg  | cagtattgtc | tatcagcagt | tccggtatct | gcggaatgtc  | cagacgcata  | 844020 |
| ctctgtttgt  | cgccagcgga | taccagatcg | ttgttggtac | tttcttccat  | gtggtcgagt  | 844080 |
| accttgctta  | actgagtacc | caggaaagaa | gatataatgg | caggaggtgc  | ctcgtgagca  | 844140 |

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|              |            |            |             |             |             |        |
|--------------|------------|------------|-------------|-------------|-------------|--------|
| cccagacgat   | gagcgttggg | tgcactcatg | atagatgctt  | tcagcagtc   | gttgtggtga  | 844200 |
| tatacggcca   | tcagggtatt | taccacgaat | gtgataaagc  | gcaggttttc  | ttccgaggtt  | 844260 |
| tttcccgggg   | ccatcagcag | tgtaccgttg | tctgtaccca  | gtgaccagtt  | gttgtgttta  | 844320 |
| cccgatccat   | tgactccctt | gaatggtttt | tcgtgaagca  | gtacgcggaa  | gccgtgatta  | 844380 |
| cgtgctatct   | tacgcatcag | tgacatgata | agcatgttgt  | ggcttacggc  | cagattacat  | 844440 |
| tcttcgtaga   | taggagccag | ctcaaactgg | ttgggggcaa  | cctcattgtg  | acgggtcttt  | 844500 |
| acaggtatac   | ctaattccag | agcctgtatt | tcaaggtctt  | tcataaaggc  | agctacacga  | 844560 |
| ggaggaatgg   | caccgaaata | atggctcttc | agctgttgat  | tcttcgatgc  | ttcatgtccc  | 844620 |
| atcagggtac   | gtccggtaag | cagcaggtcg | ggacgtgcgg  | catacagtc   | ttcgtctacc  | 844680 |
| aggaagtatt   | cctgctccca | gccaaggtaa | gaaatgactt  | tcttcaccga  | agggtcgaaa  | 844740 |
| tagtgcatta   | catcgagcgc | cgacttcgta | acagcctgaa  | tggctttcag  | cagcggagcc  | 844800 |
| ttgtaatcca   | gagattctcc | tgtgtatgcg | atgaagacag  | tcgggatata  | taatgtatcg  | 844860 |
| tctacgacaa   | atacaggtga | agaaggatcc | cacgcactat  | atccgcgggc  | ctcgaaggta  | 844920 |
| tttcttacac   | cgccgttagg | aatgaagag  | ccgtctgctt  | cctgctgtac  | aaggagctta  | 844980 |
| cccgaataat   | cctccagcat | accgcctttt | ccgtcgtgtt  | caacgaaggc  | gtcgtgtttc  | 845040 |
| tcagccgtac   | cttctgtcag | cggctgaaac | cagtgaagtgt | agtgaagtc   | acccagttct  | 845100 |
| gttgcccatt   | ttttcattcc | ggcagcaact | tcatctgcaa  | tgcttctgtc  | gagggcagct  | 845160 |
| ccattgtcga   | tgacgtctac | cagtttggca | tagaccttgc  | tgggaagata  | cttgaacatt  | 845220 |
| ttttccctgt   | tgaatacgtg | tttaccgaaa | tattcactcg  | ggcgttctgt  | cgggtggagta | 845280 |
| acttcgactg   | gtttcttatg | aaacgctttt | tctacaactc  | tgaatcttaa  | ttttgacata  | 845340 |
| atacctaaaa   | taatttttat | gttgttcttc | tcctaaatat  | tttttactgt  | attacaaaca  | 845400 |
| ccggcggaaga  | cgctgtattg | cctctttgca | gtgctctctt  | tttccgaaac  | cggtaaagcg  | 845460 |
| catgtatcct   | tctccacttg | gtccgaaacc | gactccggga  | gttcctacta  | tataggcttc  | 845520 |
| gtacagtagt   | ttgtcgaaga | acttccagga | agacattcct  | ttaggcgtct  | gaaccagag   | 845580 |
| ataaggagcg   | tcgtcgcctc | ctgcaacctt | caggcccagt  | tcgtgaaatg  | ctttttttta  | 845640 |
| gatctgtaca   | ttttccatat | aatattggat | gtttgctttt  | acttcttctt  | ttccctccgg  | 845700 |
| cgtataaact   | gcttctgtc  | cccgttgggt | gatataagat  | gttcctgtga  | atttaacctc  | 845760 |
| ctgatgacgt   | ttccacatcg | ggttgagcgg | aatacgttgt  | cctgtcaggg  | tggctgctgt  | 845820 |
| tatttccttg   | ggtattacca | tgtagccgca | gcggactccg  | gtgaatcctg  | ccgttttcga  | 845880 |
| aaagcttctg   | cactctatgg | caacttttcg | ggctccttta  | atttcataaa  | tggaaatgagg | 845940 |
| tatttccgga   | ttctggatgt | atgcttcgta | ggcagcatcg  | aagatgatca  | gggtgtcggt  | 846000 |
| ctgaagcgcg   | taattcaccc | atttcttcag | ttcgtctctg  | ctgagtactg  | ttccggtggg  | 846060 |
| attattgggg   | tagcataaat | aaacgatgtc | aatgcgtgta  | ctgggtattt  | gaggaataaa  | 846120 |
| atcgttctcg   | ggaaggcagg | gcatatagac | cacattgtct  | catttcccgt  | cgctttgcaa  | 846180 |
| ttctccggca   | cgtccgcatg | aaacattcga | atcgatgtaa  | accggataaa  | tcgggtcggt  | 846240 |
| cactccaatg   | ctgttatcgt | ggcgagaat  | gtcgccgata  | cttcccgtat  | cgcttttact  | 846300 |
| tccgtcgctg   | atgaaaattt | cactaggctc | caggtgtact  | cctctcggca  | catagtcgtt  | 846360 |
| cttgatgatt   | tcgtttatca | gaaaatgata | gccttcttcg  | ggaccgtagc  | cacggaacga  | 846420 |
| cgcgggattg   | gacatctctt | ctaccgccc  | atgcatggct  | tccgtacagg  | catgtggcaa  | 846480 |
| aggttaagggtg | acatctcctg | tacccaagcg | tatgatttca  | gcctttgggt  | gagttaccct  | 846540 |
| gaacagattg   | atcttttttt | cgatgtcggg | aaaaaagtaa  | ttgttcggca  | gtttcaggaa  | 846600 |
| atgttcgttt   | actaatgccg | tgatataatt | gtagtatgct  | tctaactgtt  | tatcccaatt  | 846660 |
| cgggacaaaa   | ttacgaaatt | tatacgatct | acaaaaccgt  | cttatttctt  | tttctttgtt  | 846720 |
| tttgtaagaa   | aattatctcc | tttctattat | tacaataact  | cggtaaaattt | ttaccgataa  | 846780 |
| attaaaaatta  | aacatagaat | cggcataatc | cggttcaaaa  | ttatattcaa  | gagatcattg  | 846840 |
| aaatactgtc   | aagaataaat | cgtcaaggag | taagaaaagg  | gatgaaaaag  | atatgctaaa  | 846900 |
| cagctgaaaa   | tcaacagaaa | aagtatttca | taattcactg  | attttttagta | aattagaagt  | 846960 |
| acttcaccac   | ttttaattat | gactaaagaa | tcactcctta  | tgcaatacca  | atccgagtgc  | 847020 |

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|             |            |             |             |            |            |        |
|-------------|------------|-------------|-------------|------------|------------|--------|
| agaaacgctc  | tcgaatcagc | tgtaaataata | agcaaattctt | ttcagaaagt | attcatggat | 847080 |
| gcaatgaaat  | tattcatggc | tatacctgac  | cgcatacaatt | tcctacaaat | gggacgggat | 847140 |
| ggatgtttct  | cggaacagac | ataccgcaac  | aatttttgaga | acgacggctt | tgactgggtt | 847200 |
| tccttcaatg  | aagccatcat | cagggaacac  | cttaaagggtg | gtcgcaaggc | gatagccgtt | 847260 |
| gatccgtctt  | tcattccaaa | atcaggcagc  | aaaacgccgt  | ggattggcta | tttctgggtc | 847320 |
| ggttgtgccg  | gtgaatacaa | acgtggactg  | gaaataaccg  | gtattggagt | tatagacgtt | 847380 |
| gacaaccatg  | aatgtatgac | tttgggctct  | gtacagacac  | ctgacaacgc | aacgctggaa | 847440 |
| agctgtgaga  | agaatcttgt | tgactgggtac | agctcttacc  | ttatcagcat | acaggaacag | 847500 |
| ctgaaacgta  | tttctggcac | agtcgtgtgt  | gatgcgttct  | tttcaaaggc | aactttcatc | 847560 |
| aaaccattgt  | acgataacgg | tttccacgta  | ataagccgtt  | tcaggaatga | tgccgtattg | 847620 |
| ttttatccca  | ccttagaaaa | taggacagga  | aaacgcggac  | gtccaaaatt | acatgacgag | 847680 |
| aaaattgact  | ttgaaaatct | ggacatcaca  | agatgtaccg  | agtacaaagt | gaacaagggg | 847740 |
| aaactttacg  | gactgaaagc | atactccaaa  | gcactcaaac  | gctttgtgag | cctggctgta | 847800 |
| tggtacccca  | tggatggaag | aacggacaaa  | tggcagctgt  | atttctctac | aaacgaaata | 847860 |
| cagaacgcac  | aggatgtcct | ggacttttac  | agaacacgtt  | tccaactcga | attctgcttt | 847920 |
| cgggatgcca  | agcaacatgc | cggaaatagca | aactgtcagt  | ctacagactt | caggaaactg | 847980 |
| gcattccact  | ttaatgcatc | acttgcagcg  | ataaacctcg  | ccaaggctgc | ctgtaagaag | 848040 |
| atgggaataa  | aatattccat | atcatcatgc  | aagtcagtca  | tacacaatgc | ttacatgctt | 848100 |
| gaacgattta  | tttgcgtgtc | tgggattgaa  | caaacacgt   | aattaattga | caaacttttc | 848160 |
| aaagaactca  | ttttatttac | tgccagagcc  | gcttaggctg  | ggctaatttt | taacgaacta | 848220 |
| ttgttattat  | aggtgatttt | tttataattt  | tgtgtcagca  | aattcaaaaa | ctataactta | 848280 |
| taattggaga  | gatgaatcaa | atgaaaccgg  | ttacaaaatc  | acagaagctc | tttagagaaa | 848340 |
| ctaaaagacta | tttgatgatt | gctttgggca  | tgcttatgta  | tggtattggg | tggaacgggt | 848400 |
| ttttgttgcc  | taatgatatt | ccatcggggg  | cagttccggg  | tatagcatct | attgttttct | 848460 |
| gggcgacagg  | ttttcctgta | cagtatactt  | atttaattat  | taattttctc | ttgctgctgc | 848520 |
| ttgcgctgaa  | aattctggga | cttaaatttt  | gtctgaagac  | tatttgggca | gttgcgggat | 848580 |
| tgactatact  | gctggctatc | atacaagact  | ttgttaaagg  | aagtttgata | catgaccagc | 848640 |
| cgttcatggc  | ctgtgtgctg | ggagcttcat  | tctgtggtgg  | cggatccggc | gtagcgtttt | 848700 |
| cggccaacgg  | aagtacgggc | ggtacggata  | tcattgtctg  | cattgtcaat | aaatatcgtg | 848760 |
| atatttcgct  | gggacgtgtt | atcttgatgt  | gcgatattat  | cattatctcg | tccagttatc | 848820 |
| ttgtcttgca  | tgactgggaa | cgtgtgggtat | acggttatgt  | agtattgttc | gtatctagct | 848880 |
| ttgtactgga  | tcaggttgta | aacagtgcac  | gtctgtctgt  | gcagtttttc | atcatatctt | 848940 |
| ccaaatacga  | agaaataggc | agacgtatca  | atctggattt  | gcaccgtggg | gtaaccttta | 849000 |
| ttgatggagt  | aggatgttat | acacataaca  | atgtgaaaat  | gatgttcgtg | ctggcaaaga | 849060 |
| aaactgaatc  | gaataccata | ttccgtctga  | taaaggatat  | cgatccgggg | gcattttgtt | 849120 |
| cccaaagtgc  | ggtaatcgga | gtctttggag  | aaggtttcga  | tcgcattaaa | gtgagataga | 849180 |
| ggacatagta  | ttaatgtaag | gcaaaaggag  | attgtgtgat  | gactagtgtt | gaaattgtac | 849240 |
| gtcaaatagc  | tgctgactat | caggttgtgt  | tggagcggga  | aagtgttcat | gccatggcgg | 849300 |
| atatcctggg  | ttgcaagaag | tataaaaaag  | gggagattat  | tctgaatgaa | ggtgatgtgt | 849360 |
| gcgactgcat  | gcgatataat | gagaaaggta  | tgaccgcgca  | gttttacttt | aagtacgata | 849420 |
| aggatgtaac  | ggaacacatc | ggatatgaag  | gcggactgat  | aatctgtttg | gaaagctatc | 849480 |
| tgaagcagga  | gcctacgcgt | ttgatgattg  | aggctctgga  | gccttccatt | atttggaag  | 849540 |
| tcgggaagaa  | ggatatagaa | cgcctttcgg  | tagaacatgc  | caatataggt | gtcttatata | 849600 |
| gaagggttct  | tgaacattcg | ttgatcgagt  | cgcagataaa  | agctgatacg | attcgttttg | 849660 |
| agcctgctca  | cgaacgttac | aacagggttac | ttcagttgca  | ccctgaaatc | ttgaaacgtg | 849720 |
| caccgttggg  | ttatatgtca | tccttgcttc  | agatgacgcc  | cgaaaccttg | agcagggtag | 849780 |
| gttctgcccag | tttgaacgga | taaggaaaga  | gttttccttc  | gttataaata | gtcgaaagag | 849840 |
| gctgttttaa  | aataaaattg | aaaagtaaaa  | atcttataga  | ttgaaactta | taaataggga | 849900 |

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|            |             |             |            |            |            |        |
|------------|-------------|-------------|------------|------------|------------|--------|
| cattcagtaa | ataatataaa  | attagccaac  | taattcatat | acaaagtgtt | gcgaattagc | 849960 |
| tggctttttt | gtatcttttag | gtattccccc  | gcaaataagg | tttggcagcc | aaaacggggg | 850020 |
| aaattcccca | accaagatat  | ggcaaaagta  | caaaatattt | cagaaattca | gcctactttg | 850080 |
| ggctttacag | aatttgatat  | tctggaaaaa  | taccgcaaga | gttttaacga | gagtgcgctt | 850140 |
| ggcaggcttc | actcgggtgt  | tccgtttgag  | cgtatggcaa | aagccttggg | cctggttgaa | 850200 |
| cagcgactgg | gacgcaggaa  | catcttcagc  | cctgcggcaa | agattgccct | catggctctg | 850260 |
| aaggcataca | ccggattctc  | cgacagacag  | ctgggtgaac | atctgaacag | caacatacac | 850320 |
| tatcagatgt | tctgcggaat  | catgatagac  | ccgtccttcc | ccataaccaa | ctacaagata | 850380 |
| gtcagtgcca | tccgcaatga  | gatggcatcc  | cgtcttgaca | ttgaatccct | ccaggaagtg | 850440 |
| ctggcctcac | actggaagcc  | gtatcttgag  | aaccttcacg | tgtgcatgac | cgatgccacc | 850500 |
| tgctatgaga | gccatatgcg  | tttccctaca  | gacatgaagc | tcctttggga | aagcctcgaa | 850560 |
| tggctctaca | ggcatatctg  | caagcattgc  | ggggaacttg | gcataagacg | tccccgcaac | 850620 |
| aaatatgatg | atgttgccaa  | ggcttatctg  | tcctactgta | agaaaagaaa | gagaaaggca | 850680 |
| tcaaggacaa | ggatgtcaa   | gcgacgtatg  | atcagactcc | ttgaaaaact | tctcatgcag | 850740 |
| cgggatggaa | ttcacaaaga  | gtatggagcc  | tcactccggt | atactcagga | ttaccggaag | 850800 |
| cggctttcca | tcatcagaaa  | ggttcttgta  | caggaaaagc | aaatgtttga | aggacgaaaa | 850860 |
| gtcagtgagc | gcatcgtcag  | cattgaccgt  | cattatgtgc | atcccatcgt | cagaggcaag | 850920 |
| gaaacgaaat | ccgttgagtt  | cgggtgcgaag | gtaaacaaca | tacagataga | cgcatatcgc | 850980 |
| ttcatcgaa  | acctctcggt  | caaggctttc  | aacgagggga | tatgcctgaa | ggactgcac  | 851040 |
| cgcagtcagc | agaagtcac   | gaacgtgagg  | gtaagatgcg | tagcagccga | ttccatatat | 851100 |
| gccaataacg | ccaacagaaa  | gttctgcacg  | aaatacggaa | tctccacttc | cttcgtacgc | 851160 |
| aagggaagg  | cggccaggga  | tgaatccttg  | aggaaggttc | tcagaagtga | actctccaaa | 851220 |
| gagagggcca | ccgggcttga  | aggaagcttc  | ggtacacaga | agcagcatta | ctcgtctctc | 851280 |
| aggataaagg | cacggaacag  | gaagacggaa  | atcctgtgga | ttttcttcgg | aatacatacg | 851340 |
| gcaaatgccg | tactgatgat  | tgacaagatc  | aggaacagga | cggttaaagc | ggcatgatat | 851400 |
| gattttactg | acgaaatcgg  | aagaggatcat | ctggcttctt | cagaagtgtc | atgtcctgac | 851460 |
| ggatagaatt | atgtgagaat  | acatggaaaa  | agggcaataa | aaaatggcat | atgaagatga | 851520 |
| tagaccataa | tcatttcata  | tgccatctta  | ttttggggac | atttactgaa | tatccctaaa | 851580 |
| taacgtgagt | tcgatataaa  | gattaaaatt  | atcagtttga | aaattaggaa | catagcgata | 851640 |
| aaagcattaa | atttataagt  | tctaagtata  | acatttaagc | gattaccact | atgttctcag | 851700 |
| aatctaaagt | tacggagatt  | ttttgtatgg  | cggatgattt | ttgcaaggaa | tttgccaaaa | 851760 |
| cacaggaaaa | atatatgggt  | gaagaaaaga  | atcataagca | tcggaacaag | ccgaaccgga | 851820 |
| tgagtgatgc | ggaaatcatg  | gtcatcttga  | tcctgttcca | ctcgggaggc | ttcagatgtt | 851880 |
| tcaagcatta | ctacaaagaa  | tatgtatgca  | aacatctgac | gcattctctt | cccagacgtg | 851940 |
| gtcctataaa | ccgttttgtg  | gaactggaaa  | aggaagtcct | gttgagctg  | accattttca | 852000 |
| tcaaggaagt | cctgttgggt  | acctgcaccg  | gtatcagctt | tgtggattcc | accccgctgc | 852060 |
| gtgtatgccg | gaaccaacgc  | atattgattc  | acaagacttt | taagggtctc | gccgaacgtg | 852120 |
| gaaaatgctc | catgggatgg  | ttcttcgggt  | ttaagcttca | cctgatcatc | aacgataagg | 852180 |
| gtgaaatcct | caatttcatg  | ttcactccgg  | gaaatgtgga | tgaccgtgaa | ccgctgaaac | 852240 |
| agacaaaagt | cctgaagaat  | ataaaaggga  | aactctgtgc | ggacaagggg | tatgtcgggc | 852300 |
| aaccctgtgt | cgagaacctg  | ttccttaacg  | gcatacagtt | gataaccaa  | gtgaagaaca | 852360 |
| acatgaagaa | ctccctgatg  | aacgtggcgg  | acaaaatcct | gctgagaaaa | cgtgctttga | 852420 |
| ttgaaacagt | caatgacgag  | ttaaagaaca  | tcgccagat  | tgaacactcc | agacaccgtt | 852480 |
| ccttcaataa | ctttattgcc  | aactcgctct  | ctgccatagc | tgcatactgc | ttctttgaaa | 852540 |
| agaagcccgc | cattgacgtt  | tgttttgtca  | aagacggaca | actcacgatg | tcttaattta | 852600 |
| tttcgaactc | acgttaaata  | aaaaatctcc  | tacttttagt | cctgtaattg | aagaaaacaa | 852660 |
| agacaaaagt | aggagatttt  | tatgttgtaa  | cttatagatt | ataataagat | aagtttatct | 852720 |
| cagtttttca | ttttgaaaca  | gcttcttttt  | tgtagaatgg | tgtaaattct | tccaccgttg | 852780 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| gatgcttaga  | acaggacgat  | tccggcttcg | aaggtagcct  | tatggtcgaa  | tatctggtta  | 852840 |
| tgtccatact  | gacgggtcca  | gctatatcct | cccgaagcaa  | atatgcctat  | cttacgtccc  | 852900 |
| agacgggtatt | ccagggttgac | gcgcggctgt | aaggcataca  | ggcgagctgg  | aagcccttcg  | 852960 |
| ttcttgttgt  | cgagtgttc   | aatatgatag | aatcctgcat  | cggcacttag  | ctccagccgt  | 853020 |
| ggaaggagag  | agcagtatac  | gcctcctcta | taaaaagccg  | aagcagaaag  | tttacgggtct | 853080 |
| aaatccagat  | agaaagctcc  | tgctcccat  | tctgtatagg  | tatgtcgggt  | tttaaagcgt  | 853140 |
| accgctacat  | tcaccttatt  | gagatttcct | cccagataa   | tcattctgcac | atgggtttgt  | 853200 |
| ggattgatat  | tgatgcaccc  | gatttgatgc | gctgtactat  | cctgactgat  | attgagaatt  | 853260 |
| cccagctgca  | agcccttgct  | ggtctgtgaa | gctacattgg  | cgataccggc  | ctgcaagccc  | 853320 |
| ctgttctgat  | cgccgtagtt  | tgcgatacca | agctgtaatc  | catgggtttc  | tacggcaatg  | 853380 |
| tttcccaatg  | cggcgagttg  | tacgccattg | tttttggttc  | cggccacatt  | cagcaggctg  | 853440 |
| gtcagttgca  | cgccgttcac  | cgattctccg | gctacgttca  | tcaatcctcc  | tataaccacg  | 853500 |
| cctctctgtg  | ttcttctggt  | gacattggca | agtccggcca  | catgcagtcc  | ggaactgttt  | 853560 |
| ctgccagcaa  | cggtaatcag  | tccgctgatg | gatactccgc  | tttcgtccag  | tcctgtcaca  | 853620 |
| ttgccgaggg  | tagacagggc  | gatgcccagc | atggagttac  | cggttacgtt  | catcaagccc  | 853680 |
| gctatcgtaa  | cgccttgtgt  | gttctttccc | gttacgttgg  | ctatacccga  | aagctggaat  | 853740 |
| ccggctgctg  | ttagtcctgt  | cacgttggtg | ataccggcca  | cctgaaaacc  | tttggaatga  | 853800 |
| taatgcgtga  | tactggatat  | tgcatttatc | cccagtcggg  | taaggcaggg  | atagttgctt  | 853860 |
| atcagtccaa  | gatttacgta  | agtacgtgga | ggatcttttt  | tcttgttggg  | gatattgata  | 853920 |
| gctaagtttg  | ctcccttttt  | caatccttta | ttgttgccgc  | tctgtgcgta  | taaaggagtt  | 853980 |
| gttcctgcca  | gaatacatcc  | tgacaggaac | acgcttatca  | tttttgtgct  | gagtttcatc  | 854040 |
| cgtatttatt  | ttacgtcctg  | atagaggaa  | cgcttgatgc  | tctttttcgg  | agttttctcg  | 854100 |
| aactcttcag  | gatagatttt  | gattcgtgaa | atgtgtgagt  | aagccggcag  | ctcggagttc  | 854160 |
| agggtaacgc  | ggttttcttc  | catggcgacc | tctatatcct  | tgttgttcat  | gccctgagca  | 854220 |
| taagcctcgt  | caaagtctgg  | atagattagc | gcagccagct  | tgttgtcgtt  | ttgctgtatg  | 854280 |
| acgatacttt  | cggctacata  | cggaagattg | ttcagctttt  | cctctatttc  | ttccggatag  | 854340 |
| atgttttgtc  | cgggaaggacc | gagcagcagg | ttcttgcttc  | gtcccttgat  | ggtgacgtta  | 854400 |
| ccttcttcgt  | ccatgattcc  | cagatcacct | gtatgcagcc  | atccgtcagc  | atcgaaaatt  | 854460 |
| tgttttgttg  | cctcttcatt  | tttataatat | cccagcatca  | cgttgtcgcc  | gcgtgtcaga  | 854520 |
| atctcgccca  | cgatgtgctg  | cgggtcggga | ctgtcaatgc  | gtacttccat  | gcgcggagca  | 854580 |
| gcttttccgc  | acgagcccat  | gcggaacgt  | ttccagtctt  | cgtagcagat  | aatcgggtccg | 854640 |
| cattctgtca  | ttccgtatcc  | tacggtataa | gggaaatcga  | tacttttcag  | cagtttttcc  | 854700 |
| acttcctgat  | tgaaggcggc  | accaccacg  | atgacctcat  | agaaattgcc  | tccgaaccct  | 854760 |
| ttgatcattt  | gctcgcgtac  | agcggctttt | atcttgtcgt  | tgatgatggg  | aaccttcagc  | 854820 |
| agcatcttca  | tcttgagcgt  | ttccagtttg | ggcaagacat  | ttttcttgat  | gatttttttcg | 854880 |
| ataatcagtg  | gcacagcgat  | gacgatgtgc | ggcttgactt  | cggaaaatgc  | ctgaaagata  | 854940 |
| atcttcgggc  | tgggcatgcy  | ggtgaggaag | aacacgtgac  | agccgctggc  | aaactcgtac  | 855000 |
| agaaattcga  | aggccagtc   | gtacatgtgt | gccatgggaa  | gcatggatac  | gactttgtcg  | 855060 |
| cccggtttca  | gcggaagtac  | ttcgaatgcg | aactgggtgt  | tcgaccacag  | agaacggtaa  | 855120 |
| gggagcatta  | cgcctttcga  | gaaacttgtc | gttcccgaag  | tgtagttagt  | taccgccagt  | 855180 |
| tcctccggtt  | catcgcggcg  | atatgccaca | tgttcgcgac  | ggaagtgtcg  | cggaaacttc  | 855240 |
| tttccaaaca  | attcattcag  | atgctcgcag | gcatactcca  | gctgtttgct  | gcggcataacc | 855300 |
| agcagggttaa | agtccgtcat  | caggatgata | ccttccagta  | aaggcatttc  | cgcttcgttc  | 855360 |
| agggtctccc  | ataccatgtc  | gcctacaaaa | aggaggcgtg  | cctccgagtg  | gtttacgata  | 855420 |
| ttgtgtatat  | tgtctgcctt  | aaattcatgt | aagataggta  | cagctactgc  | cccgtagggtc | 855480 |
| agtatggcaa  | ggaaggctac  | ccccagtggt | gaactgttgc  | gtccgcacac  | ggctactttg  | 855540 |
| tcgcccggct  | tgatgccgct  | ttctgccagc | agaatgtgta  | acttttctat  | tttgcgggca  | 855600 |
| acgtccttgt  | attgtagggg  | tgcaccttta | taatcgggtca | gcgcattccag | gtcccagttt  | 855660 |

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|             |             |            |            |             |             |        |
|-------------|-------------|------------|------------|-------------|-------------|--------|
| tccttgatgc  | ttttctctac  | aaaggcaatg | aaactttttt | ccatagaatg  | aatttttagt  | 855720 |
| aatgcacaaa  | aggtgcctta  | ttgtgcaaag | atattgttta | attcttagta  | ttccaaat    | 855780 |
| atacgacgtg  | ttatgatggc  | ttttgagagc | ttatatccaa | aaaatgtatc  | tcgggatatt  | 855840 |
| ttgttctgtt  | ttttgcttaa  | aacaaaatcg | gatattgctt | ggttcgtgcc  | ggcctgacag  | 855900 |
| aaaaatgcta  | attgctgcgg  | tctgtgagca | tttgcggaat | aatttgcgga  | aaacacctcg  | 855960 |
| ggaagtatat  | ggaaagacgg  | gcggggagta | agataaattt | gtacgaaaaa  | aaatatcttt  | 856020 |
| tgtacaaaaa  | aatatttttt  | tcgtacaaaa | gatatgagtt | ttctgggagg  | ctttacaaca  | 856080 |
| gaagccgtag  | gcataatctt  | attatagctt | agacacattt | tccgattttc  | cggtaacctg  | 856140 |
| acgtggattg  | cctgcataac  | gaatttcacc | tccgctgctt | gtactgacag  | ataacgattc  | 856200 |
| ggttgctgta  | catagaatgt  | cgcctcccga | gctggcgctg | acttgtgcag  | ccttcagggtc | 856260 |
| ttgggcgtag  | atactgccgc  | tcgactgaga | tgaatattcg | gcggtggcac  | attgtccgga  | 856320 |
| cagacggatg  | tcgccggaag  | aaccagtcag | ggcctgtacg | ttgcctgcac  | acgataatga  | 856380 |
| ctgaatctgg  | cagtcgcccg  | atgagctgga | gtggagacag | gcctcgttgc  | agcgtacatc  | 856440 |
| atcgattttc  | aagtcgcccg  | tgctgctggg | agatgcctcc | aacacgcggc  | atgtcacgtt  | 856500 |
| ttcgatggcg  | atgtcgcccg  | tactggatgt | ttttatgctc | aagttcttgc  | actgaattct  | 856560 |
| gctggcatcg  | atgtcgcccg  | tgctcgaagt | ggtgagcggt | acatccttgt  | ctgttttcag  | 856620 |
| cggactggca  | agcgtgatgt  | cggagaact  | agaagtggca | aatgccgtca  | cttcaggagc  | 856680 |
| aaagactttt  | acttcgcatt  | cgtattttcc | ccttatggag | agtgattctc  | ctttgggaaa  | 856740 |
| attgtagctg  | acttcaggtt  | tatctccatt | ctgatgtacc | tttacgtacg  | gaatgatgtt  | 856800 |
| gtcgggagca  | tagatttcag  | cgtaagtctt | gcctgaggtc | tgcgatataga | taacatctat  | 856860 |
| cgaggtagag  | gatttgatgg  | agccgatatc | gctgagctct | atcttcttgg  | taacgtat    | 856920 |
| gttgcttggc  | ttgatggctt  | ttccgtctat | ggagagggaa | cagctttcga  | ctgttatcaa  | 856980 |
| tgccagtgca  | atgcctagt   | tggctgcaag | ttttgatgtt | ttcataagca  | atgttttttt  | 857040 |
| agtttctcat  | atacttagac  | gcaaatttgt | acgaaatgta | acacactttg  | ccgaaaaaat  | 857100 |
| gaagggcaag  | gcaaaaaaat  | acaattttga | gggaggaaga | atcggatgtt  | gatattttgtt | 857160 |
| ttgttgaaa   | taagtcgttg  | tgaacctgat | ggatatcatt | ccaaagatgt  | catccgagta  | 857220 |
| ataaaaaatc  | cggcaaattc  | tcacgaacaa | ggacttgccg | gattttttgta | cagcgaaaaa  | 857280 |
| tgtttattct  | tctctgctgc  | tgtagtattt | catgaactgt | gtacgttcga  | acggattgat  | 857340 |
| gtcgcgggca  | gcttcggcat  | tcattcttgc | tttaaactgc | gacaggcttt  | cgtagccttt  | 857400 |
| atcgctccatc | cattcagcca  | gttctttctt | catgttttta | atctccttgg  | caccgtactg  | 857460 |
| gtaaatcacg  | ctgcatactt  | ctacagctgc | tgcgccctgc | aggattgatt  | tgatgacacc  | 857520 |
| ctttccacag  | tgtacgccac  | cagaaatagc | ataatccagg | cgtggatagg  | ctgccgaagc  | 857580 |
| gatggctgtc  | cagcgaggc   | ggtcggccag | ttcattcgga | gtgctcatga  | cgttggcatt  | 857640 |
| ggtaaaggct  | atcgatcga   | tattgatatc | cggctgatag | aaacggttga  | acagaactac  | 857700 |
| ggctgcggct  | ccgttggcat  | aaagctggtt | gatgagagaa | accgatttgg  | tgaagttgct  | 857760 |
| tcccagtttc  | ataattacgg  | ggatttttac | aactttcttg | atgtggcgga  | gaatttcgat  | 857820 |
| gtgacgctgt  | tcgaagcttc  | ccgggggata | atctttgtcg | gtctgcaaag  | acaggatatt  | 857880 |
| cagttccagg  | gcattccgctc | cggccttttc | catcatttct | gcaaagtcca  | cccattcgct  | 857940 |
| gtcgtgtag   | cagttaatgc  | ttgcgataac | ggggatatga | catgttttct  | ttgtctcttc  | 858000 |
| tatcaggctg  | atatgttcgt  | tcagcgctg  | cgagcgtag  | tatgtccca   | gataatcgct  | 858060 |
| agcttcggga  | gaaccgtatc  | cctgcatgga | acctgcctgc | atgttgattt  | gttcctcgaa  | 858120 |
| aacggacttc  | aggactactg  | ctcctgcgcc | ggcttcttcc | agttttttta  | ttttttccgc  | 858180 |
| actgttagtc  | agtcggaac   | tactgatgat | aatcggtttt | tcaagtgcc   | gtcctgcgaa  | 858240 |
| tgttgttttt  | agttgtgcca  | tattaattag | atttttaata | attctttctc  | caaaaaat    | 858300 |
| gcttcccaca  | cgtaccatcg  | tacttccttc | tttgacagct | atcagatagt  | cgtgcgacat  | 858360 |
| acccatggat  | atttcacgaa  | attccggacg | atcggaaaaa | taatcctttt  | tcagttcgct  | 858420 |
| gaagaatgtt  | ttcagtgaat  | gaaattcttt | ggcaatttct | gtcgtgtcgt  | ctgtgtttgt  | 858480 |
| agccatgccc  | atgacgctg   | ctatgcagac | atgattcagg | cttttccatt  | ctcccgcgcg  | 858540 |

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|             |            |            |             |            |            |        |
|-------------|------------|------------|-------------|------------|------------|--------|
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| tatctcgagc  | aggcagggga | tgacgcgggt | gtacttgga   | gcttgttgt  | tgacttcagc | 858660 |
| caataattta  | taggagtcgg | cggcatgtat | cattgcaatg  | taaggtgcaa | tgtactttac | 858720 |
| cttggtgggt  | tgcaggtgtc | cgatgaaatg | ccattcgatg  | tctttcggca | gtttttcgta | 858780 |
| tttccccgat  | aattcctgtt | ccttgctttc | gccgaagata  | cgctgtccga | cagcataagc | 858840 |
| tgcttcgatg  | gcttcggcag | gatgaaatgt | cgatacggcg  | accagacgga | cgttttccgg | 858900 |
| caattccgct  | accacttcct | ttaaattagt | ttgaatatcc  | attatcagat | ttgttttttt | 858960 |
| gagtattatc  | ttttatcggc | atccggaaat | tcgggcttta  | catccggctc | ggcagaatag | 859020 |
| ggatatacat  | ccatgatggc | agtttctgca | atcgaagcga  | tggaataatc | ggccatgggt | 859080 |
| cctttcatgc  | cttcgtccag | tttctttacg | gcatacgcga  | aatcggcagc | ctgtaccagc | 859140 |
| acgtttgtcg  | ctgttttctt | ttcgggtccg | cttttttcat  | cgagcgtaat | gaagtacagc | 859200 |
| ttgcacttga  | accagcggtc | ggctgcatct | tcttcgcaag  | ggaacaactc | gctgtagtgt | 859260 |
| gcacgcttga  | tgtcgggtac | ggtaaattct | ccactgataa  | aaggggtgat | ttcttcaata | 859320 |
| atgcgtgact  | ccgcttctgt | aaaactgagt | gcgtctacta  | ggtaagggtc | tgttactttt | 859380 |
| ttgttcatgc  | cgttttccgc | tactttctcg | tagcggattt  | tacattcgaa | ccaattatgc | 859440 |
| atcataatga  | ttttctttct | gtgttagttt | gacaatgttc  | atgcaaattt | acactaaaat | 859500 |
| tttaattaaa  | acccttacat | aaataattta | tttgcttact  | cgcgcaactt | gcatcggttc | 859560 |
| tgtgcatga   | actcctggag | ctcagcggcg | tgattccctt  | gtaacagaat | gtgatgattc | 859620 |
| cccagcggat  | tggtcaggaa | gtagcttacg | ggcttggtga  | gcttgatctt | gaactgcgta | 859680 |
| cggcatgaag  | tcgacaggtt | cgtgttctcg | gtaagatata  | cttctgccag | ataatattcg | 859740 |
| tccagacatt  | cacttccgca | cttgaaaagt | gtcacatctc  | cttcgtgcat | cattccctgt | 859800 |
| atggcgatac  | cgctttgggt | ttcaaaatgg | tcgcatatga  | taaagtcggt | taccattttg | 859860 |
| gtggcaatgg  | tgcagtgagc | cagcagcagc | tcgttgcggt  | tggtatcaat | gaatgacgga | 859920 |
| tttcccataa  | atgacggttg | tccggtaacg | gctttcgcca  | tgagtatggt | catgatggcc | 859980 |
| tgtaatgcgc  | cttcgcatcc | tgcggggatt | ccttcggtgt  | ttaataatga | gagagacaga | 860040 |
| cagccggttg  | tcttcagttg | cttgaccagc | gagaagcagg  | acaatgctac | ggcatccagc | 860100 |
| tgttcagaag  | tacatagctg | cttgatagcc | ttgtagagtc  | gcatggcttt | taaaagttct | 860160 |
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| atttcgtcat  | cggttatggt | ataaaaacgc | ttgtaaactt  | cctgaagcgg | aatatcgatg | 860280 |
| tagtttactc  | cccagcgctg | gctggccaga | agataatcta  | catgactggc | taccagccac | 860340 |
| ggagccggtg  | tcccgattac | gccgatgcgc | ttgcctttca  | gcgagcgctt | ggctgcaaag | 860400 |
| gctttatgat  | gtcgcaagac | ttgttctgcc | atgtcggcta  | cctgtccgtg | gatgatgcgt | 860460 |
| actttcatgt  | ccttattgcg | tacgcatgcg | gctattttcca | gtgcggcggc | aagtgaattg | 860520 |
| ttcagtcctg  | cggcaagcag | tgtaatcggg | tagggcagta  | tgtgaagtt  | tctgataacg | 860580 |
| gaatcttcca  | cgctccgct  | tgcaataaat | gccagcttgt  | atgcattggg | cgggatactt | 860640 |
| tccgtttctg  | tgtgattgac | taaatggagc | gtaaaatgtt  | tttccaaagc | catgaagagt | 860700 |
| tccttatggt  | tctgataagt | ctgttccatt | ttataacttc  | cggaggtaaa | tataatcagg | 860760 |
| tatagattca  | tagcttaata | actaatagtt | ttacaattac  | gaatatacat | ttttttccgt | 860820 |
| ttgcaggctt  | gaagtgtgta | agagttttta | tgttttttga  | tagagtttag | agcctgttta | 860880 |
| ggctttcttg  | acggtggagt | gtcggattta | ttttataaga  | aaagtgtgtc | gttttgttct | 860940 |
| ttcgggctat  | attttagacc | acatttaaat | caaattgtta  | atttatgcca | caaatatcca | 861000 |
| ttagaggaaa  | cgagatgcct | gagtcgccta | ttcgtaaact  | ggctcctctg | gctgaagctg | 861060 |
| caaaggggaag | aggaattcat | gtgtatcacc | tgaatattgg  | tcagccggac | ctgcctactc | 861120 |
| cacgagcggc  | cctcgatgcg | attcgtcata | tcgaccgtac  | ggtgcttgaa | tacagcccga | 861180 |
| gtcagggtta  | tcgcagttac | cgcgaaaaac | tggtaggcta  | ttataagaaa | tatgatataa | 861240 |
| accttgatgc  | tgatgatatt | atcatcacga | ccggaggatc  | ggaagcggta | ttgtttgcct | 861300 |
| ttatgagctg  | cctgaatccg | ggagatgaaa | tcattgtgcc  | cgagcctgct | tatgctaact | 861360 |
| atatggcatt  | tgccatttcg | gctggtgcgg | tgattcgtac  | ggttactaca | acaatcgatg | 861420 |

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|             |             |            |             |             |             |        |
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| aagggttctc  | tttgccgaag  | gtagaaaagt | tcgaagaact  | gatcaatgag  | cgtactaaag  | 861480 |
| gtatcttgat  | ttgtaatccg  | aataatccga | caggttatct  | gtataccgc   | cgtgaaatga  | 861540 |
| atcagattcg  | tgatctgggt  | aagaagtacg | atctgttctt  | gttctccgat  | gaggtctatc  | 861600 |
| gcgaatttat  | ttataccggt  | tctccttata | tatctgcatg  | tcatctggaa  | ggaattgagc  | 861660 |
| agaatgttgt  | gctgatagac  | tctgtatcga | aacgttattc  | ggaatgtgga  | atccgtatcg  | 861720 |
| gtgccctgat  | taccaagaat  | gaagaggtgc | gcaaggcggg  | catgaagttc  | tgtcaggctc  | 861780 |
| gtctgagtc   | tccgttgatc  | gggcagattg | ccgctgaggc  | ttcacttgat  | gaaccggagg  | 861840 |
| aatattcacg  | tgaaatgtac  | gatgaatacg | tagagcgccg  | taagtgtctg  | attgacggat  | 861900 |
| tgaaccgtat  | tccgggagtc  | tattcgcta  | ttccgatggg  | agccttctat  | accgtagcca  | 861960 |
| aactgccggt  | ggatgatgcc  | gaaaagttct | gtgcatgggt  | tctgtctgac  | tttaattatg  | 862020 |
| aaggtgaaac  | cgtgatgatg  | gctccggcag | caggctttta  | tacgactccg  | ggtgcgggca  | 862080 |
| gaaacgaggt  | gcgtgtggct  | tatgtattga | agaaagaaga  | cttggcccgt  | gctttgtttg  | 862140 |
| tgctgcgcaa  | ggcactcgaa  | gcttaccctg | gacatgtaga  | cgaatagtat  | gaactggaag  | 862200 |
| ctttttatag  | cgcaccgtat  | ctataagagc | aacgaaggcg  | gaaaggaagt  | ttcaaagcct  | 862260 |
| gccgtacgta  | ttgcgatggc  | aggcattgcc | attggtctgg  | cagtgatgat  | tatttctgta  | 862320 |
| gctgtcgtaa  | taggttttaa  | gcatcaggtg | cgcgacaagg  | ttgtcgggtc  | tagttccgat  | 862380 |
| attcttgtga  | ccagtatgga  | cgaagcacag | tcgtatcaga  | ctactccggt  | agtagccagc  | 862440 |
| gacagtttgt  | tgcaggtttt  | gaaaacagtt | ccttccgtga  | gtcatgtgca  | gcgctatgct  | 862500 |
| accaaaccgg  | gaatgatcat  | gacttcagac | aattttcagg  | gaatggctct  | gaaaggtgtg  | 862560 |
| gctcaggagt  | atgacactga  | tttcttgaaa | aaacatttgc  | tggaaggaga  | ggtgccgtct  | 862620 |
| ttctccgatt  | ctgtatccag  | caatgcgggt | gttatatcga  | aaaccattgc  | cgatcgactt  | 862680 |
| tctttgaagg  | taggagataa  | gttgtatact | tattatctgg  | aggataatat  | tcgtgctcgc  | 862740 |
| aggctgacgg  | ttgccggcat  | ctatcagaca | aacttttcgg  | cttacgatga  | cttgtttctg  | 862800 |
| ataacagacc  | tgtatacggg  | agtacgtttg | aataactgga  | agaaggatca  | ggtaggagga  | 862860 |
| gtcgaatatag | aagtgagcga  | ttattccttg | ttggaacaaa  | taaatgagga  | tatccgtgga  | 862920 |
| ttgctgaacg  | gaaaaacaga  | tcgttatgga | agtatgtatt  | actcgcggac  | ggtggaagaa  | 862980 |
| gtatatcctc  | agatatttgc  | ctggcttgat | ttactcgacg  | tgaatgtgtg  | ggttatcctg  | 863040 |
| attctgatgg  | ttgggtgtagc | aggctttacc | atgatttccg  | gcttgctcat  | tatttatattg | 863100 |
| gaaagaacta  | atatgatagg  | tgtactcaag | gctttgggag  | cagacaatac  | ttctgtgcgg  | 863160 |
| aaggtctttc  | tttcattttc  | cgtactgctg | atacgaanaag | gaatgctttg  | ggggaatatc  | 863220 |
| gttgcgcttt  | tgttttgcgt  | attgcaatac | tatttcaaga  | taataaagct  | cgatcccgtc  | 863280 |
| acgtattatg  | tcgatgcagt  | tccaattgaa | ttgaatgtag  | ggatatgggt  | gctgctgaac  | 863340 |
| atagcaacgc  | tgatggtttc  | cgtcttgatg | ctggtaggcc  | cttcttatct  | cgtcagtcgt  | 863400 |
| atacatccgg  | ctaaatcaat  | ccggttcgag | taataatcat  | gtaagatgaa  | aataaaatgt  | 863460 |
| cctgatattt  | taagggaaaa  | tctttcaaat | gatcttaaaa  | tatcaggaca  | ttttttgtat  | 863520 |
| tggtatgtta  | gaaaggaatt  | atcctatttt | gcttattttc  | ttcaaacggt  | cttcgtcgat  | 863580 |
| cagctttatc  | tttcggccgt  | cgataataat | tagtttttca  | gttgcggaagt | tcgataaagt  | 863640 |
| acggatggcg  | ttcgaggctg  | tcatattcga | cagatttgcc  | agatcttctc  | ttgaaagata  | 863700 |
| aatgctaagc  | gtacattggg  | cttcttccag | tccgtaagtg  | tctttcagga  | acaatagaga  | 863760 |
| ttcagcaaga  | cgtccgcgga  | tatgtttttg | agtcagggtt  | accgtacggt  | catcagagat  | 863820 |
| accaagtcg   | atggagagct  | gacggataaa | gaacatggcc  | agttctgcat  | tttctgaat   | 863880 |
| aagcttgacg  | ataatcgga   | tggaataaag | gcataatcga  | caagggttcga | atgctgctgc  | 863940 |
| tgccgtgaca  | aagttttctt  | ctgcaaaata | ggcacggtaa  | gcaaaatatt  | ccttggttctt | 864000 |
| gattacacgg  | ataatctggc  | tgcgtccacc | cactccatct  | ttgtaaatct  | ttacttttcc  | 864060 |
| gctaagcagg  | cacatcagat  | gcacgtggat | ttctccttcg  | cagtagattg  | tttcgttctt  | 864120 |
| tttatatttc  | tgtatcgtaa  | aattttgcgc | aagcaattca  | cgttgcgctt  | cggtgaagagg | 864180 |
| ctgccacaaa  | tcagggatac  | tttcggcaat | ctcggcttct  | gttaattcct  | tcttgaccat  | 864240 |
| aagtgtctata | aaacctgttt  | ttgtagcaca | aaggtaggaa  | gaaaaattta  | aaaacttgat  | 864300 |



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|-------------|------------|-------------|-------------|-------------|-------------|--------|
| tttcttcttg  | aaaaatgtcg | tgtacacatg  | tggaattatt  | atatatttgc  | tttgatttat  | 864360 |
| ggtaaaatta  | agaaatatat | atcatgtcat  | attccgtctg  | ttggtatgtc  | tctttgtgtg  | 864420 |
| gagctacatt  | acagcagttg | ggggcggcaa  | ccaggcgttg  | gcttcctcgt  | ataagccgta  | 864480 |
| tgtggctgat  | accattctga | ctcgtatctt  | tcgctcggcc  | tcggtctatg  | cagaagaagt  | 864540 |
| aggagagtac  | aaggcagact | tgtatttgaa  | aggaaggcta  | cagatacata  | agcagaataa  | 864600 |
| gattatcaaa  | tatgttcctt | ccatgtttcg  | tttcgaaaag  | ggaatcaacg  | actatatcca  | 864660 |
| tgaatcaatc  | agtgaattgc | attatacggc  | acctaatttt  | tatgaccgga  | aaatccgtgc  | 864720 |
| tgtctcaact  | acctttacgg | gcgggaacag  | ccggtttttc  | gatattcttg  | agttcatgaa  | 864780 |
| gttcaatatt  | tatgctcctt | ctctgatgga  | agacaagctt  | ctttctccgt  | tgaatgagca  | 864840 |
| gtcgaagcga  | cattattatt | atttactcga  | ttcggtagat  | tattggaagg  | cgggggaggt  | 864900 |
| ttacaagata  | cgtgtgatac | cccgggtaccg | aagtactcag  | ttgctggaag  | gatttttctg  | 864960 |
| gatttcgaca  | aaagactgga | ctatacgtca  | tcttgatttt  | cgcgaaaat   | acgatttgat  | 865020 |
| ccgcttccat  | atagctatgc | gcatggggga  | ggccgaggat  | acaaaatatc  | ttcctcagct  | 865080 |
| gataaatctg  | gatattatat | tcaaattcct  | gcgcaataat  | ctggagatga  | actataccgg  | 865140 |
| ctggctgaaa  | tacgacgaag | tgattttcaa  | gaagaaggaa  | gagatggact  | tgctgttgag  | 865200 |
| gaaaagtgcg  | aaatacaatc | tttccaattc  | gtatacgttg  | acttgcgata  | cgaccaat    | 865260 |
| ggtgcaggat  | cgtgattcgt | ttgcacgtat  | tcgtccgttg  | cctcttaccg  | attgggaaga  | 865320 |
| tagcctttac  | agagcgttcg | atgaaagacg  | ctggaaggaa  | agaggggata  | cattacccaa  | 865380 |
| agtcgaaacg  | aaattcaaga | aaaacctggg  | gtacatgggc  | caactggggg  | atgcactgat  | 865440 |
| aagcagttat  | aattgtgata | tctcgaaagt  | tggtaatatt  | acttgttctc  | ctctgatcaa  | 865500 |
| ccctctgctg  | gtaagttaca | gtcatcgga   | cggaaatttc  | tacagtcagg  | agtttaataa  | 865560 |
| caataaactg  | tttcacgatg | gaaggctgtt  | gcacattgtg  | ccgcagatag  | gttataactt  | 865620 |
| tacaaagaaa  | gagctctatg | caaagatgga  | cgctgagtat  | gtctataatc  | ctgaaaaaca  | 865680 |
| tggtctctatt | atgataaatg | taggaaacgg  | taaccgcata  | tatagcagta  | tcgtgctcga  | 865740 |
| ccagctgaag  | caaactcccg | atagtatatt  | tagtttcgac  | ggactggagc  | tggtattattt | 865800 |
| caaggatgta  | tacctgaacc | tgtcgcataa  | tatcgaaatc  | ctgaatggct  | tgaccgtatg  | 865860 |
| gacgggtatt  | gccatgcact | ggcgttatgc  | tgtaaaccgg  | actcccgaag  | tagccgaacg  | 865920 |
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| gtattattat  | atgaacgggc | accggaaaat  | taacataggc  | tcacgttatc  | ccactttcct  | 866040 |
| tatcgattat  | gagcgtggta | ttaaagtaat  | gaagaatttc  | ggcgaatacg  | aacgctttga  | 866100 |
| gttttctgcc  | gaacagaaga | tacgtgtccg  | cgacctacat  | accattgcgt  | atcatatagg  | 866160 |
| aggaggattc  | ttaccaacc  | aagaagatat  | gtactttgtc  | gattacgtga  | attttgctaa  | 866220 |
| ccgaaacctt  | cctcagggtc | ggaatgacga  | tataggtggc  | acgtttcaga  | tgctggacgg  | 866280 |
| acgctggtac  | aatgcttcac | ggcattattt  | ccgcgggaac  | atgacgtacg  | aaacaccttt  | 866340 |
| cctgctgcta  | tatcctgtag | ggcgcttgct  | ctcgttcatt  | cagaaagagc  | gaatctatgc  | 866400 |
| cggcgctctg  | ttcatgcctc | atttgaatcc  | gtatgtggaa  | ctgggctacg  | gtgttggaac  | 866460 |
| ccatctcttc  | gactttgggg | tgtttatagg  | caatgaaaaa  | ggtaaattca  | catcggtagg  | 866520 |
| atgcaaat    | accttcgaac | tctttaacag  | ataacggttg  | tatttgttta  | ttttctcaga  | 866580 |
| aaatctcttt  | tcttacgcag | cagatactgg  | atttgtcgaa  | ccaggctcca  | cagcggacga  | 866640 |
| agcaggtcga  | acaacgggaa | gatgcagcat  | aagttttcgt  | tcaggctcgtg | cgctgtacgg  | 866700 |
| cggaaatacca | tcatgaccga | gataaagcgg  | agcagccaga  | gcagtacgac  | aatacctgta  | 866760 |
| acgatccatt  | gctgttctac | gatgtcata   | gccagtgac   | cgatggtagc  | cagatgaaac  | 866820 |
| agtccgcgatg | tccacgtctc | aaaggcattc  | gagattcttg  | ccatcccacg  | gtaatagtgg  | 866880 |
| ccggtaaacca | atgcattcat | tttccgttcg  | aaccaaattgc | gttttatagg  | aggaaccggc  | 866940 |
| atacgtacga  | tgctgtccgg | acccgatgcc  | acacgcgtat  | tgtacttggt  | ggctacggca  | 867000 |
| ttgataaaca  | aatcgtcttc | ccccgctgg   | agttgcagg   | ggtcggcaaa  | acctttgtgc  | 867060 |
| ttttcgtaca  | ggcttttccg | gtaggcaagg  | ttacagccta  | cgcccatgta  | aggatgtcct  | 867120 |
| gccagtgcc   | tgccagata  | acgcaggga   | tgaaagaaag  | aatctgtgat  | aatgcgtcgg  | 867180 |

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| gcaaaccagc  | ctttcttttg  | cagataatta  | ctgtagccca  | gcacgatgtc | ggtgttttga  | 867240 |
| ggcatctgtg  | ccgcaaggct  | tctcaaccag  | ttcttgctga  | ccggatggca | gtaaggttcc  | 867300 |
| gttacaacga  | tccagtcgta  | gcggtctggca | cgtataccca  | tggcgatgcc | tagttttttc  | 867360 |
| cggctgacgt  | agcgggcagt  | tttcggaata  | aaagtatggt  | aaaggttctc | gtagcggtcg  | 867420 |
| gacaacagtt  | tcagaatatc  | ttcgtcctcg  | ccggccgact  | tgctggtgat | gacgatgact  | 867480 |
| tcaaacttcg  | gataatcctg  | ttcgagtatt  | gccggaaggt  | tttggttcaa | tgcgctgccg  | 867540 |
| gagtcttttg  | tcacgataat  | gaccgaaagc  | ggaggcaaat  | cggttgcaga | aggttcattt  | 867600 |
| ccttttttga  | atagttgatg  | tatgcggttg  | tagattccga  | agacatagca | taattgaata  | 867660 |
| atgcaaagta  | tgccacaggt  | tgcagccagc  | agaaaggctc  | tagatgcaaa | atcaagtgtg  | 867720 |
| atcatgttgt  | gaattttata  | ataaaatcgg  | tacaaaaata  | gggcaaattt | ttgagataga  | 867780 |
| cgtcaatctg  | acttctaata  | aaggatgatt  | ttttgtgcct  | tgctcatttt | tctttatctt  | 867840 |
| tgcatacaca  | aaaataaagg  | tgttacgccg  | cctgttgaat  | cagaaatatt | aaagataaga  | 867900 |
| aatgaagaat  | atacgttaatt | tttgatttat  | tgcccatatc  | gaccacggaa | agtccacatt  | 867960 |
| ggccgacaga  | cttctggagt  | acacacagac  | tatcaagatt  | acggaaggac | agatgttggg  | 868020 |
| cgacatggat  | ctggagcgtg  | agcgcggtat  | aaccatcaag  | agccatgcca | tccagatgga  | 868080 |
| gtatacctat  | aaaggagaaa  | aatatatcct  | gaacctgatt  | gatactccgg | gacatgtgga  | 868140 |
| tttctcatat  | gaggtatccc  | gctccattgc  | ggcctgtgaa  | ggtgccttgc | tggtagtggg  | 868200 |
| tgcttcgcaa  | ggcgtgcagg  | cacagactat  | ctcgaacctg  | tatatggcac | tggaacacga  | 868260 |
| tctggagatt  | attccggtaa  | tgaacaaatg  | tgacatggca  | agtgccatgc | ccgaggaagt  | 868320 |
| ggaagatgaa  | ataatcgatt  | tgctgggctg  | taagcgtgaa  | gacattatcc | gtgcttcggg  | 868380 |
| aaagaccggc  | atgggagttg  | aggagattct  | tcaggcgggtg | gtagagcgca | tcccttgtcc  | 868440 |
| gagtggcgac  | gaaaacgcac  | ctttgcaggc  | acttatcttc  | gactctgtat | tcaattcgtt  | 868500 |
| ccgaggtatc  | attgcatatt  | tcaaggtaga  | aaacggaatt  | atccgtaccg | gcgataaagt  | 868560 |
| aaagtctctc  | aatactggta  | aagaatacga  | tgctgatgag  | gtgggagtag | tgaaaatgga  | 868620 |
| tatggttccc  | cgtaaggaac  | tccgtacggg  | cgacgttggg  | tatatcattt | ccggtatcaa  | 868680 |
| gacttcacgg  | gaagtcaagg  | taggtgatac  | gattacacat  | atagctcgtc | cgtgcgacaa  | 868740 |
| ggcaatcgac  | ggattcgagg  | aagttaagcc  | gatggtgttt  | gccggcgtgt | atcctataga  | 868800 |
| agccgaagat  | tacgaaaacc  | tgcgtgcctc  | gctggagaaa  | cttcaactga | acgatgcttc  | 868860 |
| gcttaccttc  | cagcctgaat  | cttactggc   | cttgggattt  | ggattccgtt | gcggttttct  | 868920 |
| gggactgctc  | cacatggaga  | ttgtacagga  | acgtctggac  | cgtgagtttg | acatgaacgt  | 868980 |
| cattacgacc  | gtgccaacg   | tatcgtatat  | ggtatacgac  | aagcagggaa | atgtgcagga  | 869040 |
| agtacacaat  | cctggcggtg  | tgcccgaccc  | gacgcttatc  | gaccatatcg | aggaacctta  | 869100 |
| tatcgatgct  | tccatcatta  | ctacaaccga  | ctatatgggt  | ccgattatga | ccttgtgtct  | 869160 |
| gggcaagcga  | ggtgaactgg  | tccgtcagga  | ttatatctcg  | ggcaatcggt | tggaactgca  | 869220 |
| ttataaaatg  | ccgttgggag  | agatcgatcat | cgacttttat  | gacaagctga | agagtatttc  | 869280 |
| gaaaggatat  | gcttcgttcg  | attaccatca  | gtcgggcttc  | cgtccgtcga | agctgggtcaa | 869340 |
| gctcgatatc  | cttttgaacg  | gagagtctgt  | cgacgcgctt  | tctaccctga | ctcacttcga  | 869400 |
| caatgcttac  | gatctgggac  | gccgtatgtg  | cgaaaagctg  | aaagaactga | tacctcgtca  | 869460 |
| gcagttcgaa  | attgccattc  | aggcagctat  | cgggtgcaaag | attatcgccc | gcgaaacaat  | 869520 |
| caaggcgggtg | cgtaaggatg  | taacggccaa  | atgttatggc  | ggtgacgtca | gccgtaagcg  | 869580 |
| taagctgctc  | gaaaaacaga  | agaaaggaaa  | gaagcgaatg  | aaacagatcg | gtacggtaga  | 869640 |
| agtaccgcag  | aaagctttcc  | ttgccgtgct  | taaactggat  | taaatttata | attctttatt  | 869700 |
| tgtttcatac  | cctttgcttc  | tcgccggatt  | cctgtacagc  | cagactacac | agactggtag  | 869760 |
| gaatggagcg  | tgatgcaaag  | ggtattttgt  | tgtctaaaag  | aacgtgcctt | catcttttagt | 869820 |
| gaaaacttcc  | ttgatacttg  | ggaaaaaacg  | tggcgacggt  | ttttattttt | tttgtacaaa  | 869880 |
| aaactttttt  | atttgtacaa  | aaaacaagtt  | cttcttgctc  | atatcccttc | tgaaatttgt  | 869940 |
| aaatcttttc  | atgaaagata  | atttcacttt  | ttcgacaaag  | tctttaatta | atattttgaa  | 870000 |
| aatacgaaaa  | aaagagtttc  | ctttgtaaca  | aatcatttaa  | caaattcgtg | tttaataaga  | 870060 |

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| tctggcctga  | ttactgtgtg | tgcaggctga  | ttgtttaacc  | tctaacctct | ctgaattatg  | 870240 |
| gaggataatg  | aaaaaacgtt | tccggacgat  | acgctggtta  | ccatgtttcg | tggtagcgat  | 870300 |
| aatcatgctt  | tcgaagtttt | gctggcccgt  | tatacgggtg  | atatcaaaag | gtcgatcaaa  | 870360 |
| aagagcacga  | tgagcaactg | cgatactgcc  | gacgatctgt  | atcaggaaat | agtcgttcat  | 870420 |
| ctttgtgaaa  | aactgaaagg | catgtatcag  | gcaaacgggc  | acttcgctgc | gtggctgaac  | 870480 |
| tgtgtagtgg  | ggaatttttt | atgtagtgtg  | tatcgcaaga  | ggcatcacga | aactctgccg  | 870540 |
| ttgaagctgg  | atgtactgaa | agacacagat  | gcagccgagg  | gaacccttac | agccgaaaag  | 870600 |
| aaagaacaga  | agttcatcga | tctgcaatgt  | gccgttggcg  | ggctacctca | agacctgtac  | 870660 |
| gagctggtcc  | ggatgaaaat | atgggaaggt  | ctgacctatc  | aggaaatttc | cgaccgcacg  | 870720 |
| ggtattaatc  | gctccacggt | agcaaagcgt  | ttaaggctctg | cttatcagga | gttggaanaag | 870780 |
| aggatgctgg  | ctatgggata | cgatgatgca  | ctgatataat  | ttttactttt | tttaatgaga  | 870840 |
| aaataattgt  | taacgttacc | aataaaaaca  | tttttatagt  | acatttgcct | cgaatttgta  | 870900 |
| aagtacggtt  | tgcaaaagat | ggtaactaat  | attaaacatc  | taggtattgt | ggaaaacatc  | 870960 |
| aatggctctc  | gcctgaaagt | gaaaatcgtg  | cagagtctctg | cttgctctgc | ctgtagtgtg  | 871020 |
| aaaggacact  | gcagcgcttc | cgaacgaaa   | gaaaaataa   | ttgatgttta | taataaaaaat | 871080 |
| aatgttcctt  | gccaggtagg | cgaacgggtt  | atgattgtag  | gaacaacgtc | gatgggcatg  | 871140 |
| aaagctgtac  | tgctggcttt | cgtgcttcct  | tttatcgctc  | tggtgcttgc | attgatcatt  | 871200 |
| tcgctgaaac  | tgacgggagg | ggatgaggct  | gtttctgccc  | tggtttcgtt | gggaactttg  | 871260 |
| gtcccttact  | accttattat | atatatatgt  | agaaacagac  | tcagccgttc | gtttatgttt  | 871320 |
| atattagaat  | caatatataa | ttaataaaact | aacttatatt  | tttatgaact | taattttggt  | 871380 |
| tgcagtgatt  | tcattgggag | ctatcggttt  | gattgccgca  | gtaatcctgt | atgtagcttc  | 871440 |
| aaagaagttt  | gctgtgtatg | aagatcccg   | aatcgctcag  | gtagcccagg | tgcttcctca  | 871500 |
| agccaactgc  | ggtggatgtg | gttatccggg  | ctgttctggt  | tttgccgctg | cttgcggtgaa | 871560 |
| ggctggttcg  | ctggacggaa | aactgtgtcc  | ggtaggtggt  | cagcctacta | tggagaaggt  | 871620 |
| cgctggtatt  | ttgggactgg | aagcagttgc  | ttcagaacct  | aaggtagcag | tagtaagatg  | 871680 |
| taatggaaca  | tgtgccaatc | gtccgaagct  | gactcagtag  | gatggcgctc | gctcgtgtgt  | 871740 |
| ggttgccaat  | tctacttacg | gaggcgaaac  | cggttgtacg  | tttggtgtgc | tgggctgcgg  | 871800 |
| cgactgtgtg  | gctgcctgcc | agttcgatgc  | catccacatg  | aatcctgaaa | ccggctctgcc | 871860 |
| cgaggtaggac | gaaagcaaat | gtactgcttg  | tggagcttgt  | agcaaagcat | gtccgcgcaa  | 871920 |
| tatcatcgag  | atccgtccga | aaggcaagaa  | caatcgccgt  | gtgtatgtac | agtgtgtcaa  | 871980 |
| caaggacaag  | ggcgtgtgg  | ctcgcaaggc  | ctgtgctgcc  | gcatgtatcg | gttgtggcaa  | 872040 |
| gtgctgaaag  | gtttgtccgt | ttgaggctat  | tacttttgaa  | aacaacctgg | cttatatcga  | 872100 |
| tccggccaag  | tgtaaagtct | gccgcaagtg  | tgagatggaa  | tgtcctcagc | atgctattat  | 872160 |
| agcagtaaac  | ttcccggcgc | gtaaggctaa  | acctgcggaa  | gctgctccgg | ctgctgaaca  | 872220 |
| gcctgctccg  | gcagcaccga | agactgctgc  | tgagccgaag  | aaggacgctc | ctgaagtaaa  | 872280 |
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| atttacagtg  | aagacattta | gaattgggtg  | agttcatcca  | gcagaaaata | aattgtcagc  | 872400 |
| gggcaaagcc  | atcgaaaccc | ttgctctccc  | aaagcaggcc  | gttttccctt | tgtcacagca  | 872460 |
| tatcggtgct  | cctgctactg | ctatcgtaaa  | gaaaggtgat  | gtagtgaagg | tgggaaccac  | 872520 |
| gattgctgaa  | gccggaggct | ttgtttcggc  | agctatcttc  | tcttctgtat | ccggtaaggt  | 872580 |
| gaacaagata  | gatagtgtta | tcgatgccag  | tggttatcgt  | aaaccggcta | tttttatcga  | 872640 |
| cgtggaaggc  | gacgaatggg | aagagagcat  | tgaccgcagc  | accaagctgg | tgaaggaatg  | 872700 |
| taacttgact  | cccgaagaga | ttgtagctaa  | aataaagaac  | gcagggtgtg | ttggtagggg  | 872760 |
| tggtgcttgc  | ttcccgaact | atgtaaaact  | gactcctcct  | ccgggctgca | aggcagaatg  | 872820 |
| tgtaatcatc  | aatgccgtag | agtgtgaacc  | gtatctgact  | gccgaccatc | ggctgatgct  | 872880 |
| tgaaaagcct  | gatgagattc | tggtaggtgt  | acagattctg  | atgaaggctg | ccaaggtaac  | 872940 |

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| gtctgcttct  | tatccgggca  | tcgaggtcgt  | tcctctgaaa | gtaaaatatc  | cgcagggcgg  | 873060 |
| tgaaaaacag  | ctgattgatg  | ctgtaatcgg  | acgtcaggtt | ccggctcctc  | ctgcaatccc  | 873120 |
| tatcaatgta  | ggtgcggtgc  | tacagaacgt  | aggaactgct | tatgccgtgt  | atgaagccgt  | 873180 |
| acagaagaac  | aagccgttgt  | tcgaacgtat  | tgttaccgta | acaggtaaatt | ccttgaagaa  | 873240 |
| tccttccaac  | ttcctgactc  | gtatgggtac  | tccgatgagc | cagctgattg  | acgcagctgg  | 873300 |
| aggtcttccc  | gaagatacgg  | gtaaagttat  | cgggtggtgt | ccgatgatgg  | gtaaggcgct  | 873360 |
| tgccaataca  | gaagtgccta  | tctgcaaagg  | tagttcgggc | gtattgatca  | tgaacgacaa  | 873420 |
| agaagcacgc  | cgtgcggaac  | ctcagccgtg  | tattcgttgt | gccaagtgtg  | taagtgtttg  | 873480 |
| tccaatggga  | ctggagccgt  | tcttgctggc  | tacttgttcg | gctcatggag  | actgggaacg  | 873540 |
| tgtggaacat  | gaaatgatca  | tgtcttgtat  | cgagtgcggt | tcatgtcagt  | ttacatgtcc  | 873600 |
| ttctcatcgt  | ccgatgctgg  | attacattcg  | tttaggtaaa | ggtaagggtg  | gcggaattat  | 873660 |
| ccgtgcacgt  | aacgctaaaa  | aataattgaa  | atcgaattat | ggcaaacaaa  | ttaattgtat  | 873720 |
| cattatcacc  | ccacgtgcat  | agcggtgaca  | gcgtacagaa | gaatatgtac  | ggtgttatca  | 873780 |
| tcgctctgat  | acctgccttg  | cttgtgtcat  | tctacatgtt | cggcctgggg  | gctgttatcg  | 873840 |
| ttacgctgac  | ttctgtcatc  | gcgtgtctgt  | tctttgaatg | ggctattaca  | aaatacattc  | 873900 |
| tgaacgtga   | acgcacaacc  | atcacccgatg | gttcggctgc | gttgacggga  | cttcttcttg  | 873960 |
| catttaactt  | gccttctaatt | cttccgttgt  | ggatcatcat | tatcgggtgcg | ctggttgcta  | 874020 |
| tcggcgtagg  | taagatgact  | ttcggcggtc  | tgggctgcaa | tccgtttaac  | cctgcactgg  | 874080 |
| tgggacgtat  | cttcttgctg  | atttctttcc  | ccgtacagat | gacttcattg  | cctgtggccg  | 874140 |
| gacagtgggc  | aagctataca  | gatgctgaaa  | cagctgctac | tccgcttgca  | ctgatgaagc  | 874200 |
| aggctgtaca  | tggcgatgca  | agcgcattga  | gccagttgcc | tgatacgaatg | agcctgtttc  | 874260 |
| tgggtaacaa  | tccgggatgt  | atcgggtgaaa | tcagttcatt | ggccttgctg  | attggtcttg  | 874320 |
| tctatatgtt  | gtggaagaag  | attatctcat  | ggcatattcc | ggtatcaatc  | attgtaactg  | 874380 |
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| ctcatctgtt  | tacaggtgga  | ctgatgctgg  | gagctatctt | tatggcaacc  | gactatgtaa  | 874500 |
| cttcgccgat  | gactcacaaa  | ggcatgatta  | tttacggtgt | ggctatcgga  | ttcctgacag  | 874560 |
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| atgcattttac | tccgttgatt  | aacacttatt  | gtaaacctaa | acgattcggg  | gaggtagtga  | 874680 |
| agaaatgaaa  | aaacttgaat  | catctttaaa  | gaatatggcc | ttggctttga  | caggcttttc  | 874740 |
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| tcctgccgaa  | gcgcccga    | cagtagaagt  | aaacgggtga | acttacaaaa  | tttataaggc  | 874920 |
| aacgaaagg   | ggacagccta  | ttggtgctgc  | cgtagaatcg | tctgccaatg  | gttttggtgg  | 874980 |
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| tggacagatt  | gatgctatta  | ctgcctctac  | cattacttca | cgcgctttct  | tgctggcggt  | 875220 |
| gaacaatgcg  | tatgctgcat  | ataagaatca  | gcatgtagac | agcatgagtg  | gagctacttc  | 875280 |
| acacgctgca  | tcggaagatg  | aagcaccggc  | tgctgcggct | gatagtacaa  | atgttgaaaa  | 875340 |
| taattaatag  | gagaggagca  | gactatgaat  | aatttttaag | tattgatgaa  | cgggattgtt  | 875400 |
| aaggaaaaatc | ctacgtttgt  | actccttctg  | ggtatgtgtc | ctactttggg  | tactacctct  | 875460 |
| tcggccatca  | atgggtatggg | tatgggactg  | gctacgatgt | tcgtgctgat  | ttgttcgaat  | 875520 |
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| gtggtcatcg  | cttcgttcgt  | aaccttggtg  | cagatgctta | tgcaggcata  | cgttcctgct  | 875640 |
| ctgtatgcta  | cccttggttt  | gtttatcccc  | ttgattgtgg | tgaactgtat  | cttactggga  | 875700 |
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| ctggctcctg  | gtgcatttat | cgtattgggt  | tacctcattg | ctatcgtaaa  | ccgtctgaaa | 875940 |
| aaggcataac  | tcctaaaaag | aagaagatat  | ggaatatata | ttgatattta  | tcaccgctat | 876000 |
| ctttgtgaac  | aacatttgtt | tgtcacaatt  | cctcggatc  | tgtccgttct  | tgggcgtatc | 876060 |
| taagaaggta  | gaaaccgcta | tgggtatggg  | agctgctgtt | gctttcgtgt  | tgacactggc | 876120 |
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| gcagactatc  | gcatttatcc | ttgttatcgc  | tgcatgtgta | cagatgggtg  | aaatcatctt | 876240 |
| gaagaaaagt  | tccccggcct | tgtatcaggc  | actgggcgtg | ttcttgccgc  | tgattacgac | 876300 |
| gaactgttgt  | atcctgggtg | taactattct  | ggttatccag | aaagactatg  | atttgctgac | 876360 |
| aggtgttatc  | tatgcattct | ctaccgcact  | cggatttgct | ctggctctga  | ttgttttcgc | 876420 |
| aggcattcgc  | gaacaactca | gcttgggtcaa | tattccgaaa | ggcatgcgtg  | gaatgtctat | 876480 |
| cgcattgggtg | actgccgggt | tgttggcaat  | ggcattcatg | ggattctcgg  | gtgtagataa | 876540 |
| aggactggct  | gttttgttcg | gtcttcaata  | acaaattaca | ccttatatta  | tatagaagag | 876600 |
| cagagctcct  | tgcattcaga | aggatgaggg  | agctctgctc | ttttttaggt  | gtatgtatat | 876660 |
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| ctacttttgt  | tgaacaaat  | atttatagga  | cgtaatttaa | tagcaatatg  | aaagaaagaa | 876780 |
| ttctgggttac | aggtggaact | ggttacatcg  | gttctcatat | agttgtagag  | cttcagaata | 876840 |
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| atacagtagc  | ttccggttct | ccgattcatg  | ctatttttgt | acgttatttc  | aatccgattg | 877320 |
| gtgctcatcc  | aagtgtctct | atcgggtgaat | tgccaaatgg | tgttccgcag  | aaccttattc | 877380 |
| cgtatctgac  | tcaaacagcc | attggtatcc  | gtgaaaaact | gagtgttttt  | ggtgatgatt | 877440 |
| acaatactcc  | tgacggttct | tgtatccgcg  | actacattta | tgtggtagat  | ttggccaagg | 877500 |
| cacatgtcat  | tgctatgaac | cgtattctgc  | aaaacaagca | gaaagataaa  | gtggaagtat | 877560 |
| tcaatatcgg  | taccggtagg | ggcgtttccg  | ttttggaact | gattcatgca  | tttgaagctg | 877620 |
| ctacaggtgt  | taaattgaat | tatcagattg  | caggtcgccg | tgccggtgat  | attgaacagg | 877680 |
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| aagaaacatt  | gcgttcggct | tggaaactggc | aattgaaact | tcgtgaaaga  | ggagttcaat | 877800 |
| aaccgtataa  | aaaaaactaa | ttgataaaaa  | acgttaatac | ataaaaccaa  | aacgtttgaa | 877860 |
| gaaatgtttt  | attgatgcag | acgcttaaag  | tacttgtatg | tatgtgaata  | tgtgtaagta | 877920 |
| ttgtctgttc  | cccttgggaa | cggggcggtt  | atgcatagta | gttttgtcgt  | gtttttattt | 877980 |
| gtgttttgtt  | tgtgactggt | tctcgacgtg  | agtcgagaaa | cagttttttt  | atttctggat | 878040 |
| tttattatac  | ctttgcggcc | gatttcctaa  | gtcgggctgg | tatttgttga  | agattcagac | 878100 |
| agatttccga  | aatcaaggga | atgggacttc  | cctgttataa | accgctaatt  | gaatagctga | 878160 |
| tagttcctgc  | cggagttagt | cttttgtaag  | actggcaggg | ttgttgtgtc  | ctcgtcttgc | 878220 |
| ttgtccgaaa  | agtgttccgg | ctttcgtttt  | tgagaaaatt | tatttagggg  | ataagaaata | 878280 |
| tttgaagaag  | acaagagatg | aaaattttta  | agaaacaaaa | ctttgtgacg  | aggcaggaac | 878340 |
| aatttccttt  | atttccttat | ttgttttaaa  | ggcttttctt | ttcggccttg  | tcgggagcct | 878400 |
| gcataggttc  | ggcttctgca | cttttgctgg  | tttctctgga | gtggggccact | cagtatcgtg | 878460 |
| aacatcattt  | atggattatc | gccttgcttc  | ccgtagcagg | tctgttgatc  | gggttgatgt | 878520 |
| atcattatct  | ggcgggaaca | gcagcacggg  | ggaataactt | tctgatagag  | gaaatccgct | 878580 |
| ctcctcacga  | tattattcct | ttccgtatgg  | cacctctggt | atatattgga  | acggtattga | 878640 |
| ctcatctttt  | cggcggttcg | gccggacgtg  | aaggtaccgg | tgtacagatg  | ggtggagcaa | 878700 |

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|             |            |             |             |             |            |        |
|-------------|------------|-------------|-------------|-------------|------------|--------|
| tagccgatcg  | cttttccaag | ctgttccgct  | tacctagacg  | tgaccatcgg  | gtaatggtgg | 878760 |
| caatcgggtat | cagtgcggga | tttgcttccg  | tgtttgggac  | tcctttggcg  | ggagctgtgt | 878820 |
| tcggactgga  | ggtaattgta | gtaggccgga  | tgcggtatga  | agcgattctt  | ccggttttcc | 878880 |
| tttcggctgc  | ttttgctcag | ttgacctgcc  | atgcgtgggg  | agtggagcat  | acgctttatc | 878940 |
| cggcaccttt  | ggtactggca | ctgggagtta  | ccagcatttt  | atgggttgct  | ctttcgggta | 879000 |
| tattattcgg  | aattgttgcg | atgattttct  | ctcgttccat  | cggcttttgg  | ggaggattgg | 879060 |
| ccaaaaagta  | tatttcctat | ccgcctttgc  | gcccggttgc  | aggaggagta  | atcatagctt | 879120 |
| tagcggtttg  | ggcattgggc | actactaaat  | acatcggttt  | gggtgttccg  | accattgttg | 879180 |
| cttctttttc  | ggagcaacag | atgtggtacg  | actttttggt  | gaaactgctt  | tttacgactt | 879240 |
| ttaccattgg  | agtcggtttt | aaagggtggg  | aagtaactcc  | gttggtttttc | gtcggagcta | 879300 |
| ccttgggtag  | tgcatatca  | ttcatcattc  | cgttgccctat | gagtctgttg  | gcaggtttgg | 879360 |
| gattttagac  | cgtttttgcc | ggagctacca  | atacacctat  | agcttgtacc  | tttatgggta | 879420 |
| ttgaactttt  | tggtattgaa | ccgggcattt  | atgtggggat  | agcttgctgt  | gtagcctatt | 879480 |
| tgttttcagg  | gcatacaggt | atttatacat  | cacaagtggg  | gggaactccc  | aaacacctga | 879540 |
| tttacttgcg  | tgataagagt | agaacactga  | agtaactctt  | gatttagcgc  | aagattttga | 879600 |
| ggcctgaaat  | gagaaaaata | ttcatttgaa  | agcacaatca  | agcgcggtt   | tccgtaattt | 879660 |
| tgtgttcgat  | ttcagaaaca | gacacagata  | tggcacaatt  | gagagagatg  | acagcgggac | 879720 |
| cttcgttacc  | gttgattttc | aactttacct  | tacccttatt  | gttaggaaat  | ttgttgcagc | 879780 |
| agacttattc  | attggtcgat | gctgccatcg  | ttgggaagtt  | ccttggtatt  | aatgctttgg | 879840 |
| cttccgtggg  | agcaagcact | tcggttgtct  | ttctcatttt  | aggcttctgc  | aacggatgtt | 879900 |
| gtggtggatt  | tgccattccg | gtagcgcaga  | aatttggggc  | gcacgattat  | gtgacgatgc | 879960 |
| ggcgttacgt  | ttctgtcagc | ttgaagatag  | ccggagtcac  | gtcgggtggc  | atagccatat | 880020 |
| tgacgagttt  | attgtgtgct | tttattcttc  | gtaccatgca  | gactccggag  | aacatctttc | 880080 |
| agggagccta  | taattatctg | ctgggttactt | ttatcggagt  | gccgtgcacc  | tttttttata | 880140 |
| acctgctttc  | cagtatcatc | cgtgcattgg  | gagatagtaa  | gacaccgttc  | tggttcttgc | 880200 |
| ttttctctac  | catattgaat | attatcctcg  | atgtgttctg  | catattgggt  | atgggggtgg | 880260 |
| gtgtaacagg  | tgctgccgtg | gctactgtct  | tttctcaagg  | agtatcggct  | gtgctgtgct | 880320 |
| atttctacat  | gtatcgtaag | ttcgatatct  | tgaaggcaaa  | tgcttccgat  | cgtcgtttcc | 880380 |
| gcccggaact  | cgctcgacaa | ttaatgtata  | tcggggttcc  | gatgggactt  | cagttttcca | 880440 |
| taacggctat  | cggtagtatc | atgcttcaga  | gtgcaaacaa  | cgcattagga  | acagcatgtg | 880500 |
| tcgcagcttt  | caccgcagcg | atgcgtatca  | agatgttcgt  | aatgtgtgcc  | ctcgacagct | 880560 |
| taggaatggc  | aatggcaact | tacagcggtc  | agaactatgg  | tgccggaaaa  | ccagaccgta | 880620 |
| tctggcaagg  | catcaagtcg | gcttactga   | tgatgatcat  | ttatgtagct  | gtggtagcag | 880680 |
| ccatcatctg  | gggacttgcc | gataaatttg  | ccttgctggt  | tattgcaccc  | gacgaaacag | 880740 |
| aaataatctc  | agatacagcc | ttattcttgc  | atatcaatgt  | atctttcttt  | ccgttgctgg | 880800 |
| gaatgctcag  | tattttgcgt | tataccattc  | aaggagcagg  | atataccaag  | cttgccatgt | 880860 |
| tctctggggg  | ttctgaaatg | atagcccgtg  | tattagtcag  | tctgatcatt  | gttccgatgt | 880920 |
| ggggattcgt  | cggcgtttgt | atgggtgatc  | ctactgcatg  | gcttttctgc  | aacttgttcc | 880980 |
| tgattccggc  | ttttgtctat | gtctatcgtc  | agttgcggcg  | gattgtagcc  | aaggaggctt | 881040 |
| agtttctgac  | ccgcattcgt | ttccagattc  | cggcaggaat  | gagtttccag  | aaaaagacca | 881100 |
| tcaccttgta  | tctccagtcg | ataatggcaa  | tgcgctgctt  | gcgatggata  | gcccgtagca | 881160 |
| tgtgtcgtgc  | tacattttcc | ggtttcatta  | gcatgggata  | atgttttccg  | tcgttgagta | 881220 |
| gtccggtagc  | aacgaagccg | ggacgtatat  | ctgtgaagca  | gatcggggag  | tgatgcatgt | 881280 |
| gggcaagctg  | ctctagtccg | tcgatgtata  | ggttttggaa  | gcgcttggtt  | gccgaataag | 881340 |
| caggagcaat  | gcccagtcct | ttcgtgcccg  | caatggaact  | gataactgct  | atatgtccct | 881400 |
| taccttggtg  | cagaaaatgc | cggaaagcat  | gtcctaccat  | gcgggtaaat  | cccgttccgt | 881460 |
| tcgtttccaa  | ggtattcagt | tcaatatcgg  | gggccaactc  | aaaattcttg  | aagccgatac | 881520 |
| cggaacagtg  | tacatacaaa | tccattcctc  | ctacttcgct  | tatcagcgca  | tcaaactctt | 881580 |

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|             |            |             |             |             |             |        |
|-------------|------------|-------------|-------------|-------------|-------------|--------|
| tttcggctcc  | ttcctttcga | atatcaatgg  | tgcggatctg  | aattctttca  | ggggcttgct  | 881640 |
| gctgaaaggt  | ctgtaacttt | tccagacgcc  | ggcctgcaat  | cccagagatac | cagccttcgg  | 881700 |
| ctattaataa  | tttagccact | tcgtagccta  | ttccagaagt  | agctcccatg  | ataattgcac  | 881760 |
| gttttgttgt  | tgatggattc | atatggcagt  | tgagattttg  | gggttatttg  | ttactacgta  | 881820 |
| tttcgtacat  | gaaggtttca | gatacaggca  | catgttcggc  | ttcacggcta  | tagaagaacc  | 881880 |
| ggtcggcaaa  | aggcatttgc | tcattcagcg  | gacggattgc  | ctgctgagg   | tgtgctcaga  | 881940 |
| atgtcttgta  | ggaatgattg | ttcatgctgt  | cacctgcgtc  | atcgcggaac  | agagttgcat  | 882000 |
| agtggttcag  | cgggcgggca | tgcaccagct  | ggtaaatctg  | taaggccaga  | tcccgtgcct  | 882060 |
| cgcgaggcga  | aatgcggtcg | aacagactgg  | acataattaa  | tataatcagt  | tccgacaaca  | 882120 |
| cactgtgctc  | cgaccagaaa | gtggaaggta  | cggcaccgat  | tctgggatag  | aagctacacg  | 882180 |
| taaccgaacg  | gtatgcttcc | tgttcaaaga  | aaagttgggc  | taccttatcc  | atttcctcta  | 882240 |
| tgggataaat  | gcctaagtaa | gtcagggtcca | aatgaggaag  | gcgacggcag  | gcatcgacga  | 882300 |
| aagctactcc  | tgacgtctcg | ctttcataac  | tcaaatcaca  | aaagacgaca  | cgtcccgaaa  | 882360 |
| cattccggat  | agcattaaac | agccagttgc  | cattggtttc  | atacaatgcc  | cgagccgcac  | 882420 |
| aataggcccc  | tcgcatataa | taatagttgt  | atagttgcag  | acgttcgctt  | gccggaattt  | 882480 |
| cattatctgg  | agaggaaaaa | tcgtacctcc  | cgtaagcggg  | cagttcccga  | ttgctgagctt | 882540 |
| catcgttgag  | ggcttcatca | tcgactgtca  | cgatcttctg  | aaacgcattt  | cggaaagatt  | 882600 |
| ccggaagcag  | gtaactatcc | gactgcacat  | cccagctgga  | agtatatctg  | ggtaattcaa  | 882660 |
| aatctcctcg  | acaaaaagct | tcggtagcca  | catcgatgta  | tccgttggtc  | atacggatgt  | 882720 |
| attccatcag  | tttgtaaaac | gtgatgttcg  | ctcccagtat  | ctgcgggttg  | ccggtcagga  | 882780 |
| acaattgctt  | tctggcacgg | gtgattgcca  | cgttcagttt  | acggtctatt  | aagtattccc  | 882840 |
| cttcgcggaa  | agtattgctt | gtcaggaagt  | tcaactgact  | gaaattcttg  | atggtaaacc  | 882900 |
| agtaaataat  | cacatcgctc | tgacttccct  | gataacgttc  | tacgggtgtcg | attgaaatat  | 882960 |
| tattcaactc  | gggaatgttg | gtttgagcga  | tttctctgct  | tatcatggct  | atctggttac  | 883020 |
| gataaggaac  | gataacgccg | accgttttgt  | tggcatcaaa  | tgtttccgat  | gtcatccggt  | 883080 |
| agatacgagt  | caggagggtt | gcgacgatac  | atgcttcgtt  | gatattcgct  | ttttccgaat  | 883140 |
| agtttatgtt  | gtccggagtt | tccgaaggaa  | taaacaccat  | gcgccgggtt  | tgtatcagtc  | 883200 |
| tgtccagggt  | gtcctgaggg | gcaggtgccg  | acggataggg  | caggctttct  | tcctgatgag  | 883260 |
| ccagaggaat  | aggttccagt | tgctcacgat  | aataaaacgt  | attgttcgga  | aactccgata  | 883320 |
| tggcaggatg  | catgcgacct | tgcttggtga  | ggacgctgct  | gaaggcttca  | tcactttgct  | 883380 |
| tgtacaaccg  | ctcgaaaaga | gagttacggc  | agtcggctcag | tccgatggac  | tgtaacaacc  | 883440 |
| gatcgtctat  | tcgggcttct | tcttcatttt  | gctgagcgat  | ggcaggcaac  | tgcttgtagt  | 883500 |
| cgccgatcaa  | tataaatttg | tcgatggcat  | tgctacgggt  | gtggcggtgc  | gacaagatgc  | 883560 |
| caatcaagtc  | cggttccagt | atctgcgacg  | cctcatcgat  | aatagccagt  | gtgaagtgtt  | 883620 |
| tcagggtgaa  | caaatgcaac | cggctgttta  | tggcagtggt  | cgtaccaca   | aagatgcgtg  | 883680 |
| tctgctgagat | tttcttctga | atatccgtca  | gtttcgggca  | gtcagcaagg  | ctgtacttta  | 883740 |
| agagataagg  | aacaaaacgc | ttgtcgcacg  | acaactcatt  | tcctatccgg  | ataaaaaggag | 883800 |
| tcttttctgc  | gattcccga  | ccgaccagca  | tggtgcagat  | ttcgtctacc  | gcacgatttg  | 883860 |
| tatacgacaa  | cagcaggaga | gaagcatccg  | gatcggttaa  | tgcttctctt  | accatgtagc  | 883920 |
| gtagagcaca  | tgaagtcttt | cctgttcccg  | gaggacctac  | caacaaaaag  | tagtcatcag  | 883980 |
| tctgcttctc  | tttcaggatc | agttcggtga  | agccatcgta  | cgaaccattc  | agactacgct  | 884040 |
| ccggatgctg  | ttgaggcgta | cgcagtccca  | gcagcagctc  | cttgcggtcg  | gcacgggcag  | 884100 |
| acaggaaaagc | atagagtcca | cgtatcgcat  | tcaccgacga  | agcatccgag  | gaatcatgtt  | 884160 |
| ctatggcaaa  | gacttcatcg | tccttaccta  | taatatcttt  | attctgctga  | ccgttgctga  | 884220 |
| aaagtacagt  | cagctgctga | ggctgaatgt  | ctacaatatt  | cccttctatc  | agaatctgcc  | 884280 |
| gacgtacatc  | cggctctccc | cgataagcat  | aaaagataat  | gatatcgccc  | gtccggaaat  | 884340 |
| taggcaggaa  | atcctctccc | tggtcgggaa  | tattcaagtc  | gatgatgtcg  | taaccttttc  | 884400 |
| ccggagcact  | ttgacgcttt | tcggtaatgg  | tcagtccgag  | caggatgttt  | cccgactcta  | 884460 |

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|-------------|-------------|------------|------------|------------|------------|--------|
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| cgctgtctt   | gcttaaaatc  | tgttccttcg | acacaaacgt | aaagaagcgc | tggaaataag | 884580 |
| cccgttccaa  | tgagtgcaa   | cgtttcagcg | tattgatggt | ttcctgcaac | tgcggctcct | 884640 |
| gatagtcgtt  | ccacaatttg  | ctgtgtactt | gcagttcgtt | cagcaagtcg | gtattcagct | 884700 |
| cttccgtaac  | gggagcaatg  | gctccttcgc | cgaagcaat  | ctcacctgct | acaatctggt | 884760 |
| tgcgcagacg  | gatactttca  | cgaacaag   | tttcggcaaa | gtgctcgatc | atcaggccgt | 884820 |
| cgttatattt  | ggaataaagc  | aggaacgtct | gcaaatcctc | cgtcttgctg | ccgaagttat | 884880 |
| acatcagtac  | cccctgataa  | agcatcatct | gaatgaaatg | atcctcctta | tgacggcggg | 884940 |
| tgtattcatc  | cctctttccg  | gatttctgtt | ccacaagcac | cttgaaatcc | ttttgcagca | 885000 |
| tatccacacg  | tccctgcaaa  | ccaagttggt | cgcagatgaa | agaagcctcg | agcaaagtat | 885060 |
| tgtgcttgct  | gaaagcctga  | atgttatgtg | gtaagatata | gtgcacaaac | gaccggatat | 885120 |
| tcatcatctg  | cgctgcgcc   | tgctcgtaaa | agttggctgg | gatggggcag | gtacagaact | 885180 |
| ccagtgccga  | tgaagcgaag  | aacttcttga | tcgtatcttt | ataagttaca | ggtttgctcg | 885240 |
| cccgtcgtt   | gatgtaatca  | tcgaggaact | ggctcgccag | gttaccatc  | aggatcggag | 885300 |
| ccgtattagc  | cttaggcttt  | accttattca | tgaagaagtt | cagcggatga | tgcccgtatt | 885360 |
| cgcggaagca  | ggcagccagc  | gaactaatgt | ctatcagata | atcgggatga | atcactatca | 885420 |
| ggttcgggat  | gtaatgattc  | tcctcgtcta | cacgtacgtc | cagcagattc | agctgaagat | 885480 |
| tttccgtcag  | caactctttc  | aggtacagca | agtcgccgtt | atagccgcct | ttggcatagt | 885540 |
| cgatgatgat  | gaaaggatct  | tcgtcactgt | cggttgcggc | aaatatTTTT | gtatcgtccc | 885600 |
| aactgctgac  | tgcggcgcgg  | atatacgga  | tgctgtaatg | ccgtgtaccg | tgataggggc | 885660 |
| ggttggaatg  | aggaatttcc  | ggtattagcg | aagccggaat | gtcctcttcg | aaagccagcg | 885720 |
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| cgctcgcat   | ggctgcattg  | caattgcggc | gcatggtctg | tatggcatac | ttgtcggaa  | 885840 |
| gagtcacccg  | tttttccttg  | caaatatagt | ccaaacgcga | aaacaagttg | gcaaacgaaa | 885900 |
| acgtaacccc  | tgctcgtcagt | tcgtaacagg | cttgttccaa | aaccttgtaa | agcagaatat | 885960 |
| atttggcacg  | gatattttca  | agagccgcgg | cgggttgccg | gtgtatttgt | tcaatacggg | 886020 |
| aatataaaatc | gaaagactgt  | aactctatat | ggttggctga | atttacgggc | atgtcgggat | 886080 |
| taaaaactta  | tcaaaaactt  | agataacgat | tcaaatatac | aactatTTTc | tgaaaccgta | 886140 |
| tcatcttttt  | acggtcgttt  | cgctttcaga | gaagagggtt | tctgctggga | tggggatagt | 886200 |
| aaattccgtg  | ccgtatttag  | acatcgagga | cttgatgttt | gatacgaaa  | gaggggattg | 886260 |
| aatggtaaat  | tctgtgccgt  | atttagcttg | cagcgggttc | tatttgagcg | agattcgcgt | 886320 |
| cagaatacaa  | gcaagtcgca  | ggttttgatt | gctgttgtat | atTTTctttg | ttatctttgt | 886380 |
| cgatatgaaa  | aacgagattg  | tcttatgaaa | catgttgttg | agtgtatgcy | agccttgtgc | 886440 |
| ccgatatctg  | atgaaacggt  | agagaagctg | gaaagtcttg | tcgtaaaatg | taactatccc | 886500 |
| aaaaggtatc  | agctgataaa  | agaaaatatg | ttttgcaagt | atgcctatTT | cattgaaaaa | 886560 |
| ggaatgacac  | gttcgttctg  | gctggtggac | ggggaagaga | ttacgacctc | cttttcctgc | 886620 |
| gaaggtggaa  | ttgtcttcag  | catggatgaa | ttgtattata | ataagaagag | cgaagagttt | 886680 |
| gtcgaaacgc  | tggaagacgt  | agaagtttac | agaatacaac | tgaccgattt | gaggcatctg | 886740 |
| ttcgaaacca  | atctggagtt  | ctgcaactgg | ggaagaatca | ttcatcagaa | tgaataccgg | 886800 |
| cggttgcacc  | ggagtcataa  | ggagcggctg | acgcttccc  | ccaaagaacg | gtatgaagag | 886860 |
| tttcagaaac  | agttcccata  | cgtttgccag | cggacgaact | tgggatacat | tgctctttac | 886920 |
| ttgggaatta  | ccttgctcac  | gctgagccgg | ttgcggctga | atgagaacga | tagaagtcta | 886980 |
| tagcagccga  | ttttgatgta  | ggacaacttt | ttattggctg | ataggtgtta | actttgtttg | 887040 |
| ttgattaacc  | gaaacgaatt  | tttgtcta   | taaaaatagt | aatcatgcaa | caattgaaag | 887100 |
| catctgcagc  | cttttctgat  | acaaagcctc | attatgacct | gcttgacggc | ttacgtggag | 887160 |
| tagctgctat  | cttggtctta  | tggtatcatg | tttttgagg  | gtatgctttt | gcggtcaatg | 887220 |
| ccccatcat   | cgaaaaccct  | aatcatgcat | atttgccgt  | ggacttcttt | tttatcttgt | 887280 |
| ccggatttgt  | catcgcttat  | gcgtatgacg | accgctgggg | aaaatcaatg | tcttctggca | 887340 |



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|            |             |            |             |             |             |        |
|------------|-------------|------------|-------------|-------------|-------------|--------|
| acttctttaa | gcgtcgtttg  | attcgtctgc | atcccatggg  | tgtgatggga  | gctgtattgg  | 887400 |
| gagtaattac | cttcttaata  | cagggtagcg | tgcagtggaa  | cggaacacat  | gttgctacgt  | 887460 |
| cggctgtgat | gattgccctt  | ttgtgtgcca | tgttctttat  | ccctgccgtg  | ccgggttgca  | 887520 |
| gttacgaaat | acgtggaaat  | ggcgaaatgt | ttccgttgaa  | tggtcctgca  | tggtcgcttt  | 887580 |
| tcttcgagta | tataggtaat  | atcttgtatg | cattgtttat  | tcacgttttc  | agcaacaaag  | 887640 |
| cattggctgt | gtggacggct  | gtcatgggaa | ttggcttagc  | cttctttaca  | ctgaccgatt  | 887700 |
| attcgggcta | cggttcgctc  | ggagtaggat | ggacactcga  | ttctgtcaat  | tttatcggag  | 887760 |
| gcttgttgcg | catgcttttc  | ccgttcagtc | tgggtatgct  | ggtatgccgt  | tattttaaac  | 887820 |
| ccgtgaagat | tcgtggcgca  | ttctggattt | gttcgctggt  | gttgataggc  | ctgtttttacg | 887880 |
| taccgtttat | tccgggcttg  | gaacccatct | gttacaacgg  | tgtgtttgaa  | atggtgtgca  | 887940 |
| ttatgattgt | tttcccagata | ctggtatggg | tgggtgcctc  | cggttctacc  | accgatacga  | 888000 |
| tttcctcttc | cttatgtagg  | ttcttgggcg | atatactttt  | ccccgtttat  | atcattcact  | 888060 |
| atcctttcta | ttacttggtc  | tatgcatggc | tataaaagaa  | ccagtatttt  | actttcggag  | 888120 |
| aaacatggat | cgtggccatt  | ctgttgatgg | cgggtaacat  | agcttttagcc | tacctgtgtc  | 888180 |
| tgaagttata | cgatgaaccg  | gtgcggaaat | atcttgcaaa  | acgtttcatg  | cataaaagac  | 888240 |
| agcaggcagg | ccgtcagcgt  | tgactttatg | attgatattag | aggactatct  | gatttcgtttt | 888300 |
| attcgcagtc | ggaggctggt  | ggttactacc | gaaaccgagc  | tgaaggccat  | ggctgcaccg  | 888360 |
| gcaatcatcg | ggttcagcaa  | gaatcctgtg | aagggataaa  | gtatgccggc  | tgcgatggga  | 888420 |
| atacctatca | aattatagat  | aaacgccag  | aataggttct  | cgcgaatggg  | acgtacggta  | 888480 |
| agtaccgaaa | gccggatggc  | ctcacttatt | tttgtcaggt  | cggacgatat  | aatagtcatc  | 888540 |
| tttgccacat | ccatggcgat  | gtcgcttcct | tgtcccatgg  | cgatactcag  | gtcggcctgg  | 888600 |
| gcaagagcgg | cgctgtcggt  | gatgccgtcg | cctaccatgg  | ctacatgttt  | tccttcgcgt  | 888660 |
| tgaagctgct | tgatatactc  | cgatttctgc | tgaggcaaca  | cttctgcgcg  | gaattcagtg  | 888720 |
| ataccagctt | ccgaagcaat  | ccgccgggca | gtctgctcgt  | tgtcgcccgt  | cagcatgaca  | 888780 |
| accgaaatac | ctctttgctg  | taactcagcg | atagccttct  | tcgatgtttc  | ctttatccgg  | 888840 |
| tcggcaatgg | cacaagtcgc  | cagtgcctgc | tgtcgtcgg   | caaaccagat  | gacggttttg  | 888900 |
| gcttcttggt | cgaaagcttc  | ggccttttct | gaaagggcag  | gagagatagc  | aatccccctt  | 888960 |
| tcggcaagca | tccggcgatt  | tcctgcgtaa | tacgtcttgc  | cgttacagct  | tgctttttaca | 889020 |
| ccttgtcccc | tgatgctttc  | gaaaccgctc | agcaacatgt  | tttgtccctt  | ttcggaatcc  | 889080 |
| aatcgtgaca | aagcctgtac  | cacagctgta | gccaacggat  | gttcggaatg  | cttttccagt  | 889140 |
| tccaagaaga | tacgttgcat  | atcagcactc | tccgttttcc  | agacaatgtc  | tgtcaccaca  | 889200 |
| ggcttccctt | ccgttatggg  | tcccgtcttg | tcgagtacaa  | tcgtatctat  | ctttttggcc  | 889260 |
| atttccagac | tttcggtatc  | cttgatcagt | ataccgcttt  | cggccccctt  | gccgataccc  | 889320 |
| accataatag | ccgtaggggt  | agccagtccc | aaagcacacg  | ggcaggcgat  | gatcagtaca  | 889380 |
| gtaacggctg | ccagcagtc   | gtgcgtaaa  | ccgttctccg  | ccagtacaat  | ccacgcaatg  | 889440 |
| aaagtcagca | cggcaatcgt  | catgatggca | ggaacgaata  | cggctgcaat  | tttgtcgacc  | 889500 |
| agctgctgta | cgggggctt   | gcttccctga | gcttccctga  | ccagatgaat  | aatgtgagaa  | 889560 |
| agcatcgtgt | cgggtccctc  | tttttccgcc | cgaaagcgga  | aacttccttt  | ctggttgatg  | 889620 |
| gttccggcat | acacttttgc  | tcccgtgtgt | ttctgaacag  | ggatagggtc  | accgctcagc  | 889680 |
| atactctcgt | ctacgaagga  | actgcccggt | gttacggtac  | catccacggc  | gatacgttcg  | 889740 |
| cccgttttca | cgacaatcat  | gttgccggga | acaatctgtt  | caatgttcac  | ttcccgttcg  | 889800 |
| ccggttccgt | cgtcgaggat  | aaccgtatga | ggctgtagtc  | ccatcagttt  | cttgatggca  | 889860 |
| gccgatgtat | tgcctttggc  | acgttcttcc | agtgtgcgtc  | ccagcagaat  | gaaggcgata  | 889920 |
| atcacgctgg | ctgcttcaaa  | gtacacatgt | ggagtcactc  | cccttgacag  | ccagaaatcg  | 889980 |
| gggaaaaaca | agttgaacaa  | gctgaacagg | taagcaattc  | cgggtgctgt  | tgccaccagc  | 890040 |
| gtatccatgt | tggccgaacg  | atgtttcagc | agttttccaa  | catttacata  | gaagccgctt  | 890100 |
| cccagccaga | acaccaccgg  | agtcgataat | atccacatga  | tatagttggc  | gtatggcata  | 890160 |
| tccatgaaaa | acatgccgat  | aatggcgaca | gggagcgata  | ggataatagc  | ccatgtcgtg  | 890220 |

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|             |             |             |            |            |             |        |
|-------------|-------------|-------------|------------|------------|-------------|--------|
| cggaatttca  | gttgcttgta  | gtgagcgtcg  | tgtgcatctt | tagcctcttt | ctcggcttct  | 890280 |
| ttggccgtat  | caatcagcaa  | gtcgaatcct  | gcgttttgta | cagcctgctt | catcgtttcg  | 890340 |
| ggcgaagcaga | gcgacggatc  | atattctacg  | gtggcaatag | ctgccgccag | attcacgttg  | 890400 |
| gccgaatgca  | ttccttcctg  | acggttcagt  | gttttgctta | cacgcgcagc | gcaggcggca  | 890460 |
| caactcatgc  | ccagtacggg  | aaatgtctgt  | tttactattt | gttgatttgc | cattgttctt  | 890520 |
| ttcttttgat  | tctgatgcaa  | agatacagt   | gcagaccttt | atgtatgtta | caaaattatg  | 890580 |
| gatattgattt | atacgatttc  | atccagtcct  | ttgcgggaat | gtgttttctg | ctttttaaat  | 890640 |
| tcgctgggcg  | taattccggg  | aatgctcttg  | aactggctgc | ttaggtgggc | tgcactggag  | 890700 |
| tagttcaaca  | gagcagctat  | ttcgttgagc  | gacagttcat | cgtatacgag | cagctccttt  | 890760 |
| acacgctcta  | tcttttgtag  | gataaaatat  | ttttcgaatg | tgattccggt | ggtttccgaa  | 890820 |
| aatactttgc  | tcagggagct  | gtagtcgtgg  | tggagctttt | cggagagata | atccgacaag  | 890880 |
| ttcaccttca  | gttctccatt  | gcagttgtgt  | accagttgga | taatttcttg | cttgatctgc  | 890940 |
| tctatcaacc  | tgtcgcgttt  | atcgtctatc  | agttcaaate | ccaccgcttc | cagtgccctga | 891000 |
| cggatacgct  | ccaaatcagc  | tttctccagg  | gtttcttgaa | taaggacttt | acctaattcg  | 891060 |
| atgtgtagga  | cagtaagacc  | taacttgccg  | agcaggtctt | gtacaaccat | aatgcagcgg  | 891120 |
| ttgcacacca  | tgtttttaaat | atagagcgtt  | gtattgttca | tgcgattttg | aaatatttct  | 891180 |
| gcaaaataaaa | acgtttcaag  | atgaatatat  | gctgttttat | tgaattttct | tttgttaaaa  | 891240 |
| gaaccataat  | gtttcttttt  | ttgttcttat  | cttatacttt | tgctgaataa | ataaaaaacag | 891300 |
| aatagaatat  | gagaaaaatg  | ctttgtccgc  | agtgaagat  | tgctgccatg | tatgtaaaga  | 891360 |
| atgaagcagg  | cgaccgccgt  | ctggtatacg  | ttgttgaggg | aggagaggtc | atacctaaga  | 891420 |
| atcctgaaga  | gtcgtctgac  | ggattcgatg  | tgagcgaagt | attttgtctg | ggctgttcat  | 891480 |
| ggcacgggaa  | tccgaagaaa  | ctggttcgct  | attgaaaact | ttagtcgtta | aataaatcgt  | 891540 |
| gttctttag   | ttttgcaaaa  | agaaactaaa  | agaacatttt | actgtcagtt | tgattgaatg  | 891600 |
| atcaggcttt  | ttctatctat  | ggcttttgag  | gattttccgt | aaatagagag | aaatgttaat  | 891660 |
| gataaacttg  | tatctgtttc  | ggattttttac | aggctaaatc | tccgtaaagg | ttaaaaataa  | 891720 |
| tctttatggt  | aaagcttggt  | gaagtgaaaa  | tgacctgttg | tttcatcaaa | aagatgccga  | 891780 |
| ggtttttata  | aaacgtcacg  | ttgttttatc  | taaaatctca | gcatgtttta | tggtgaagca  | 891840 |
| ggaatcaggc  | taaaatttcc  | tgtttttgcc  | tctggaatat | cttttaaatg | aaacagattg  | 891900 |
| cttgtgccgt  | tatgctatta  | aaacaggcaa  | gaaagcttct | cgctgtgatg | agattgtgct  | 891960 |
| ttgttttatg  | gataatgttt  | cttggtagaa  | gaaatgactg | tctatctgga | ttccggagaa  | 892020 |
| gcggtgagaa  | tctgattttt  | agcagccgac  | ttgatcctcc | ctatgatttt | gcaataatgg  | 892080 |
| agaaatcagt  | atgtcatttt  | gacaaaaagt  | aattttcaat | tgcatgggct | tggaagcag   | 892140 |
| catgccgtag  | tttttgttat  | gcggcacgac  | tggtcattct | gtaataatgg | cttcttttcc  | 892200 |
| gttcatgctg  | accttctttt  | cggctaccag  | ttccgataaa | gctcgtgcca | gcgaaggacg  | 892260 |
| tgctactccc  | aaaatgaagg  | ccacttctctg | ctggttgtct | atgcgtttat | tgatttttcag | 892320 |
| gtaattcagc  | agacgcgatt  | tcaggctttg  | cagggcgaat | tcattcaatt | ttttgcttaa  | 892380 |
| gaaaagactc  | cggctcgaaa  | tcattccgat  | aaaattcttc | atgatgacag | gctggctgtg  | 892440 |
| catgaattcc  | agaaaatagt  | tcttgctgag  | caccagcacc | tcacagcttt | ccagcacttc  | 892500 |
| gatgtttacc  | ggaaaacggt  | tttccgatgc  | gaatataaag | gctggagcga | gcacttcagg  | 892560 |
| ggcacttatc  | cggctcgatg  | tgacttggtt  | tccttccgca | ttttccattt | gtgcccgtag  | 892620 |
| gtttcctgta  | cataatatat  | agagcgaacg  | gcaggggtct | ccctgacggg | caatgaagtc  | 892680 |
| gccttcttta  | tagcgacgga  | cactgttggg  | agcttcggca | agcaactgtc | gggctgccgc  | 892740 |
| ttcggatatt  | ccctgaaata  | aggggaagctg | caaaagttgt | atagcgttca | tttagtcttc  | 892800 |
| atttaacgat  | tattcagaat  | ggctgtaaca  | taggttacag | ttattgccga | ccgaaagcgg  | 892860 |
| catctttgca  | caaacttaat  | aaaaaaatca  | ctaataacca | tctgaatatg | gaaggaaata  | 892920 |
| tgttttgcta  | tcagtgtcag  | gaggcagcca  | agggtaccgg | ctgtgtactg | aaagggtgtg  | 892980 |
| gtggaaagaa  | tagtagtaca  | gcacgttata  | tggacttgct | gctctttatg | gtaagaggcg  | 893040 |
| tatcgggtggc | tgccagtgtc  | ttcgtgagc   | agtcggtaaa | ggtgtcggca | gaagtcgatt  | 893100 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cgtttgtgac  | ggacgcctttg | ttttctacta  | ttacgaatgc  | caatttctgac | gatgaaagta  | 893160 |
| ttttgcgtcg  | ggtagagaaa  | ggaatcgctc  | tgcgtgatga  | cctgaaggct  | gaggctgctg  | 893220 |
| cacggggcat  | tacacttccc  | gaagtagacg  | aactggagtg  | gaaaggggaa  | aaagcttcgt  | 893280 |
| tcgaagagaa  | agcggctgcg  | gtcgggtgat  | tacgtgagac  | taacgaggac  | ttgcgttcac  | 893340 |
| tgaaagaact  | gcttgtttac  | ggtctgaaag  | gtatggcggc  | ttatcacgaa  | catgccatgc  | 893400 |
| gtctggggta  | taacagcgag  | gaaattcatg  | cgttcatgca  | ggcggcactg  | gcaaagattg  | 893460 |
| ctgtcggcgg  | actgactgcc  | gatgaatggg  | tggcgcaggt  | gatgcaggca  | ggagagatgg  | 893520 |
| gtgtcaaggt  | gatggcactg  | ctcgacgagg  | caaatacgac  | ccgttacggc  | aatccggaga  | 893580 |
| ttacaaaaggt | gaatatcggg  | gtaggaaaga  | atccgggtat  | tctaatacagc | ggacacgact  | 893640 |
| tgcacgacat  | cgaggacttg  | ctgaaacaga  | ctgaaggaac  | gggagtggat  | gtatatacgc  | 893700 |
| acagcgaaat  | gcttccggca  | cattattatc  | ctgctttcaa  | gaagtacaag  | cattttgtag  | 893760 |
| gcaactacgg  | aaacgcgtgg  | tggaaacagc  | gtgaggagtt  | tacggcgctc  | aacggtccaa  | 893820 |
| ttgtgtttac  | aaccaactgt  | attgtgccgc  | cgctctcgaa  | tgctacgtat  | aaggagcgta  | 893880 |
| tgtttaccgg  | aaactcgacc  | ggctatccgg  | gttgcaagca  | cattgaaacg  | ggtgccgacg  | 893940 |
| gacataagga  | ttattcggaa  | gtgattgcgc  | ttgccaagca  | gtgccagccg  | cctgtggaac  | 894000 |
| tggaaaccgg  | agagattatc  | ggtggatttg  | cgcacaatca  | ggtgcttcag  | cttgccgata  | 894060 |
| aggtagtgga  | ggccgtgaag  | agtggagcca  | tccgacgttt  | cgtggtaatg  | gctggatgcg  | 894120 |
| acggctcgcat | gaagagccgc  | gattattata  | ctgattttgc  | caaggcattg  | ccgcaggata  | 894180 |
| cggttatcct  | gactgccgga  | tgtgccaaat  | acaatacaa   | taagtgcct   | ttgggagata  | 894240 |
| taaacggtat  | tccgcgtgta  | ctcgatgctg  | gtcagtgcaa  | cgacagttat  | tcgcttgctg  | 894300 |
| ttatcgctct  | gaagctgaaa  | gaagtcttcc  | agttgaacga  | catcaacgaa  | ctgccgatta  | 894360 |
| cctataatat  | cgcgtggtac  | gaacagaagg  | cggtgattgt  | gctgcttgcc  | ttgctgagtc  | 894420 |
| tgggcgtgaa  | gaacattcat  | ttaggcccaa  | cattgcctgc  | ctttctctcg  | ccgaatgtgg  | 894480 |
| caaaagtact  | ggtcgacacc  | ttcggaatag  | gaggcattac  | cactgtcgac  | gaagattttga | 894540 |
| agaaattcgg  | cctgatagga  | taaaatctat  | tgccggcgta  | ggtctatatc  | cgatattttg  | 894600 |
| cttacctttg  | ctcattaatt  | tgacactaaa  | atcagactat  | atgagcaaag  | taattatcaa  | 894660 |
| ttcttacgaa  | gaatttgaaa  | aatgattgg   | tcagcagatc  | ggaatttccg  | actggctgga  | 894720 |
| agtaacacag  | gagcgtatca  | accagtttgc  | cgacgctaca  | ctggatcatc  | agtggattca  | 894780 |
| tgtcgatgta  | gaacgtgcaa  | aagtggaaag  | ccccttcaag  | agcacaatcg  | tacacggcta  | 894840 |
| cctgacgttg  | tcactgcttc  | cgtattttctg | gaatcagatt  | atcgaagtaa  | acaacctgaa  | 894900 |
| gatgatggta  | aactacggaa  | tggataagat  | gagattcggg  | caggctgtat  | tatcgggaca  | 894960 |
| gaaaatccgt  | atggttgccg  | acctgcattc  | gttggttaac  | ttgcgcggaa  | cagctaaggc  | 895020 |
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| tactttcctg  | tattacttca  | actgatagac  | ggcatactgg  | ctgtagatat  | tttgaatagg  | 895140 |
| atgatgagat  | tcattacagg  | ataatctggg  | ttctgtgggtg | aatctcatcg  | ttgttttata  | 895200 |
| ggttttttga  | ttatgacaga  | ggaactttgc  | cggcagttgc  | gtgagtgggc  | ggaagcctat  | 895260 |
| catcggggcag | atttcacgcg  | gaatgatccc  | gtacaattcc  | cgcaccgtta  | tgtccggcag  | 895320 |
| gaagatattg  | aaataatggg  | actgctgact  | gctgtttctga | gtttcggcaa  | tcgccggatg  | 895380 |
| attctccgca  | aggtggatga  | actggatgtg  | ctgatggggc  | atgctccctt  | gcagtatgtg  | 895440 |
| ctttccagac  | gctgggagaa  | tgatttcagt  | cgggagaacc  | aacggagctt  | ttaccggatg  | 895500 |
| gtttcgtatg  | cggcatttcg  | tacttatttc  | gaaaagttgt  | atgcggtgta  | tgcagaaaat  | 895560 |
| cgtacgctgg  | aggatgcctt  | gctggctttt  | cagggaaacc  | cgatgcagaa  | gctttgcgcg  | 895620 |
| tttttagggg  | tgtccgaccg  | aagtccgcag  | aagaaactca  | acatgttcct  | acgctggatg  | 895680 |
| attcgccgcg  | attcggtgtg  | cgacttcggg  | atctggcggc  | ggatgagccc  | tgccgacctg  | 895740 |
| attatcccgc  | tcgatacgca  | tgtatgtcgg  | gtggctttcc  | tgctgggggt  | gatcaataaa  | 895800 |
| ccttcttttt  | cgttgtcggc  | tgcgcgggtg  | attacgcagg  | cactagcaga  | agtgttcccc  | 895860 |
| ggcgatccgt  | gtctgggcga  | cttcgcactt  | ttcggttatg  | gagtgaatca  | tcctgaatta  | 895920 |
| acagataact  | tatcatgata  | aagatattgg  | ctacaagcga  | ctggcatctg  | gggaataacct | 895980 |

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|             |            |             |             |             |             |        |
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| tccacggctt  | cgaccgtcag | gaggaacatg  | ccgattttct  | tcggtggctg  | ctcgggtgtcg | 896040 |
| tcgaacagaa  | agctcctgat | gccttgctgg  | tgctgggcga  | tatattcgat  | tcgagtaatc  | 896100 |
| cttcggctgc  | ctctcaggag | ttgtattata  | actttctcga  | tacgctgact  | cagcgttttc  | 896160 |
| cacagttgca  | gacgattatc | attgccggaa  | atcacgactc  | ggctgcacgg  | cttgaggcgc  | 896220 |
| ctcgtttgat  | gctggaaagg | catcgggtct  | gtgtgcgcgg  | gctgatacgc  | aggcaggagg  | 896280 |
| aaggtgactt  | cttgccggac | gatttgctgt  | tgccctgtctg | ttcggcagca  | catccggaag  | 896340 |
| aacgtgcctg  | ggtgcttgcg | gtgccttata  | tgcgcgatgg  | ggactttacc  | cgcggaatga  | 896400 |
| gttacggaga  | gggcgtagga | gagttcctgc  | gtcgggcgat  | tgaggcggcg  | aatctccggc  | 896460 |
| gtgaccggaa  | caaggaggcg | ctgattctga  | tggctcattt  | gtatgctacg  | gggagtgaga  | 896520 |
| ttgccgaaaa  | ctcttcggag | cgtatcgtga  | tagggggctc  | ggaaatggtg  | agtctggatg  | 896580 |
| aaatgggcga  | gagcgttaca | ttggctttac  | tgggacattt  | gcatcgtaac  | cagaagggtga | 896640 |
| acggctcgtga | aaactggctg | tatccgggca  | gtgccctgcc  | gatgtcgttt  | gcagagaagg  | 896700 |
| gctatcgtca  | cggggctgtt | tattatgaga  | tagaggacgg  | tcgcctgaat  | ggggtgtcgg  | 896760 |
| agttcctcga  | ctatccttta | cagcatccac  | tggtttctgt  | tccgtcgaac  | ccgcttccgc  | 896820 |
| tggccgaggt  | gctcgacttg | ctgcgtgctt  | tgcccataaa  | agataaaatg  | agcaaagaag  | 896880 |
| aacctgttcc  | atatctggag | gtgaatgtct  | tgctcgacgc  | tcctgtagct  | ggtatcaaca  | 896940 |
| agcaggtaga  | ggatgccctt | cagtcgaaaa  | atgtacgctt  | gtgccggacg  | gtaatcgctt  | 897000 |
| accgggtaca  | gcagtcggca | gacgacgggg  | aagtgggtgtt | ggaatcggtc  | gacgatttgc  | 897060 |
| tgacgctcga  | cccgatagag | gtgatcagaa  | agagttatca  | gaacaagttc  | cgctgcgaga  | 897120 |
| tgcgcgatga  | gctgggtgaa | cttgccagaa  | ggcggttgga  | agcggtcgcg  | aggggaaggag | 897180 |
| gcaatgaatg  | aaattgttga | aagtaatcat  | gtataacttg  | gcttcgctcg  | agggggaaca  | 897240 |
| ggttatcgat  | tttgagcgtg | aacctttgcg  | gagtgccgat  | ttgttttcca  | tcgtagggtga | 897300 |
| aacgggtagc  | ggaaagtcga | ccattctgga  | tgctgtctgt  | ctggcactgt  | acgggcttgc  | 897360 |
| acctcgtttc  | tatggggcag | ataatttcga  | ttattaccat  | accgagcgcc  | cgaacaacga  | 897420 |
| tcagggtgctc | gatcctgacg | acccgcgtaa  | cattcttctgt | aagggtacga  | aggagtgttt  | 897480 |
| tgccgaggta  | gtgtttctgg | ctcgcgacgg  | tttccgctat  | cgtgcccgct  | ggctcgtgttc | 897540 |
| catagcccgt  | atcaattata | cgcgtccgga  | gcgcaggctg  | taccggataa  | cgggtggacga | 897600 |
| ggcggaaga   | accagtgaga | aggaagtgga  | cataaccgga  | ggaggacgtc  | cgaagcgggg  | 897660 |
| gcataagaat  | ataaataatg | aggggctcga  | ccgcattatc  | ggcttggatt  | acgcgcagtt  | 897720 |
| tacccgtacg  | gtgatgttgg | cgcagaattc  | gtttgccaat  | tttgtcaagg  | cggacgacaa  | 897780 |
| ggataaggct  | gtcttgctgg | aaaagctgac  | cggaaacggaa | ctttatacgg  | ctgttgccgcg | 897840 |
| taagatttat  | gagttttata | aggaggcgga  | agctgcctat  | agtgagggtg  | tcaatcagggt | 897900 |
| aaaggctttt  | gctgtacatc | agctttcggg  | tgagaagctg  | gtggaagtag  | aagcgcataa  | 897960 |
| ggaagaattg  | gatgctcggt | tccgcagttt  | gcagactgaa  | cttcagaaac  | tgaaggatca  | 898020 |
| gcagaaaatg  | tatgccgatt | tgtgtgcgct  | ggaggcggcg  | tttgccgatg  | aggaggcaaa  | 898080 |
| atggaaaacag | gcttcggaaa | aggcacggag  | cttacagccg  | gtacgggacg  | aattgcgggt  | 898140 |
| gctcgatgag  | gtagctccca | tacgggatgt  | gtatcagacc  | tgcatgaatc  | tgcaacgtga  | 898200 |
| gctgaaagag  | ctgacagagg | aagtcgggtcg | gaagcaattg  | cagtgcagtg  | catttgaaaa  | 898260 |
| ggaagaagcc  | gaaaaacgga | aacttttact  | ggatgtaaaa  | gaaaaataca  | atgtagttcg  | 898320 |
| tgagaagcaa  | gagcagatgc | ttccgctggg  | aacagcagcc  | cgtaagcaga  | aggtagaact  | 898380 |
| ggatgcacaa  | caggctaccg | tgactcgtct  | gaaagaggag  | gagagttcgc  | tggcgaaaaa  | 898440 |
| gaaagaattg  | ctgaaaaagg | agcaggcaga  | aaatgcggct  | cagataggag  | agttacagaa  | 898500 |
| acggcaggcg  | gaagcggaac | ggatattggc  | ggagctgatg  | ccgcacgtgt  | atatgctgga  | 898560 |
| aaacaagaat  | gcggtttccg | ataggctgga  | atcgctggat  | aaagcgggtga | aacgctggca  | 898620 |
| aaaagaatct  | gccgactgga | agaaaaattg  | tgctgagttg  | gaaaatcagc  | agcaggcatg  | 898680 |
| ccgggaagaa  | gaaaatcggt | tgcaaaaatc  | ggacgaggaa  | ctgggttctgt | gtcgggagag  | 898740 |
| tatccggcag  | aaaacacagg | caactggatg  | tgtggatgta  | gaggcggtgc  | aacagcggat  | 898800 |
| ggcggacgtg  | acgaaatgtt | ataccgattt  | ggaacgattg  | aaaaagttgc  | aggcggcggt  | 898860 |

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|             |             |             |             |            |             |        |
|-------------|-------------|-------------|-------------|------------|-------------|--------|
| aacggagcga  | cgaagaggtt  | tgtcggcaaa  | tcggcttgca  | tctgaacaaa | ttaccaagga  | 898920 |
| actggatgcc  | gcgatgcgtg  | aggtgaagga  | actgacaacg  | gagcgtgaag | agataaatcg  | 898980 |
| tctgttgccc  | ggactggagg  | aggcgtggca  | actggcaagc  | agccggagtg | ccgagcatat  | 899040 |
| gcgtgccgcy  | ctgaaaccgg  | gagaaccttg  | tccggtatgt  | ggtgcacggg | agcatccgta  | 899100 |
| tgccgaagga  | atagcggag   | tggtgcagcc  | tgtgaaggaa  | gaaattgctc | gtcgccgtaa  | 899160 |
| gcggttgacg  | gaaattgagg  | aacggctgga  | tgcttctccc  | ggcggattgc | gcctgctttg  | 899220 |
| ttcggaaactg | aacggtaagt  | tgtcggcttt  | gcgtgagggg  | accggacgac | tgaatgcgga  | 899280 |
| actgactgag  | gctgccggcg  | aatggacggc  | actggttgta  | gcttatcccg | tcctgcctgt  | 899340 |
| tgatgtggta  | caggcagatg  | cttctgtctt  | gtcggctctg  | ttgacgacgg | agatggaacg  | 899400 |
| gattgtggca  | cagggaaagc  | aggcacgtgc  | cgaacagaat  | gcttatcagc | aggcacaana  | 899460 |
| tgagctgact  | gccatgcgtc  | gtacgtacga  | tgagaagcag  | actctgtgtt | cacgtcagcg  | 899520 |
| ggaagagctg  | catcgtcggg  | cggcgggaatt | gaagcaacgg  | cagggacaga | gtgagcagaa  | 899580 |
| gcgtgcggaa  | ttgcagcagc  | ttgaacgtac  | gaacggggaa  | ctgcgtgagg | cggtgcggca  | 899640 |
| ggatgtttcg  | ttaccgact   | gggagcaggc  | tttcgaacaa  | gattttgaag | ggttgcttaa  | 899700 |
| ccgcttgctg  | gatattgtacg | acaaatatcg  | ggaggcaact  | cgtgtgcagc | aggaatcggg  | 899760 |
| gggcttggtg  | aatgaacgga  | aggtggctga  | cggggcggtg  | gagaaacagt | tggccgagtg  | 899820 |
| tcaggcagcc  | gtaaaggga   | acaaggaaga  | aattgccggt  | gccgtacaga | tttatgaagc  | 899880 |
| aaagcagaaa  | tcgtatatgc  | aggtcttggg  | cggcgccgat  | ccagatgaaa | cgaacgtaa   | 899940 |
| ggtgaagttg  | cagttggaag  | aggcggagaa  | acaagtgcag  | cttgctgata | aggctcataa  | 900000 |
| tgaagttgtc  | gaatcgtaca  | gccggttgct  | gggtttcgtg  | aaagcagcgg | aagagcaata  | 900060 |
| tcggaagaag  | caggcagatg  | gcacgattgc  | gcaagcgggt  | gtagaagatt | tcattacacg  | 900120 |
| ttacaatgaa  | tcggcggaac  | atatggatgt  | gctttccaaa  | gaacggctgg | atatgtgttt  | 900180 |
| ttcgcccttcg | gtcgactgga  | gtggcaagcg  | tgaacagatc  | cggcaggcgg | atgagaatgt  | 900240 |
| gaaatggtgt  | cagggacaaa  | tggaagcacg  | ccggaaggca  | ttggaaactc | atcggtgcctt | 900300 |
| acagggtatc  | ccgctggaat  | tggtgggtga  | ggaatgtcat  | cctgcgga   | tggtgcagga  | 900360 |
| gaaaatgcaa  | caggtacagg  | cttcttcgga  | ggaactcgac  | aaagagcgtt | tgcaggtggg  | 900420 |
| cggtatgctg  | atggcacatc  | gccggagcat  | ggaacagatg  | cagtcggctg | gcgaggagct  | 900480 |
| tgagcgcagg  | cggaaagcgt  | atcaggactg  | gaaggagtgt  | aatgatattt | tgggaaatgc  | 900540 |
| caacggcgat  | aagtccgcg   | aaacggcaca  | atgctttacg  | ctgcgcttcc | tgatccggca  | 900600 |
| ggccaacgaa  | cagcttcgtc  | tggtgaatca  | ccggtatagt  | ctggagcagg | tgaaggattc  | 900660 |
| ggtgggtatc  | cgtgtcatcg  | atcacgaccg  | ggcggatgag  | gttcgtaaca | tcagttcgct  | 900720 |
| ttcgggtgga  | gaaactttcc  | tgatcagctc  | ggcgtggca   | ctgggactct | cgctcgctttc | 900780 |
| gtcgcgcaac  | attccgatgt  | gcaacttggt  | cgtggacgaa  | ggttttggta | cactcgacac  | 900840 |
| caacagcctg  | aacatggtga  | tagatgccct  | gtcagacttg  | cagtcgatgc | aaggaaagaa  | 900900 |
| agtcggagtc  | atcagccaca  | cggcagaaat  | gcgagaacgc  | atccgtacgc | agattcgggt  | 900960 |
| tgtcaaggtc  | ggttctggag  | gaaagagtac  | tatcgaaata  | gtttgaattt | cggcttggt   | 901020 |
| gtagtgggac  | gagggcggca  | gcagtcgatt  | ttttgtacaa  | aaaaacagaa | agttttgtaca | 901080 |
| aattttcaga  | aaacgtcttg  | atgttttccg  | gcgaatttgc  | cagggttgt  | ttaaagattc  | 901140 |
| tttcttgca   | gtgatggaac  | attgtttatg  | acttatggaa  | cttctcttcc | ccgtgaaaac  | 901200 |
| gatttatattt | tatcgcaaa   | ataaaatagg  | tattgtatga  | gtcaatatgc | tgaaatcaaa  | 901260 |
| tgcttgata   | tctctacttt  | cgagaagggt  | tcgtctgctc  | actataaaga | tgaaggata   | 901320 |
| ggtgtgttaa  | gcggtgagga  | cgaactgaag  | ttgatcagcg  | ggcctgcccg | agttgatata  | 901380 |
| tttatattgt  | ttgtatgtac  | ggagggaaag  | tttcaggtaa  | atgtcaatat | gtcgaccatt  | 901440 |
| ggtgtttcag  | aggggaatgt  | tctgctgtgc  | aaacccaatg  | acttgattga | tgagaatgta  | 901500 |
| tttttccccg  | gctttcaagg  | gtatgtactc  | tgtctttccc  | ctcagataat | ccgggaatgt  | 901560 |
| gtgccgggag  | atggcctctg  | gaaacaggct  | ttccggcata  | gagataaatc | tgtaatacaa  | 901620 |
| gtcagtcggg  | aaacctttaa  | agttcttgcg  | ttgtacgggtg | atctgctttg | tctcaagact  | 901680 |
| cgtgcggaga  | gtcgtcgtc   | acgtggcaga  | gaggctgtat  | tgtctattat | ccggagttta  | 901740 |

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|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cagtgtgaac  | tgctggatga  | gttggatgaa  | tgttacgctg  | ttgatgatga  | acaacagcgg  | 901800 |
| cagcgggatg  | tcttgtttcg  | gaattttatc  | gattttactga | taggaggtaa  | ggttaagtcg  | 901860 |
| cgtgctgttt  | cctgggtacag | cgaccggcct  | tttgttactt  | ccaagcatct  | ttctacaatg  | 901920 |
| tgtaaacctgg | tcagtggacg  | aactgccggc  | gactggataa  | aggaatatgt  | actgatggac  | 901980 |
| attcgttttc  | agttaaaata  | ttccgacaag  | tcgattaagg  | aaatttcaga  | gatgatgaat  | 902040 |
| ttccctaatac | tttcgttctt  | tgctaaatat  | gtacgtacta  | atttgggaga  | ttctcctacc  | 902100 |
| gaattgcgta  | agaaattgag  | ggaacggaaa  | tagtaataac  | aggggtcggg  | ttgataggta  | 902160 |
| tgttcagtaa  | atgtttctca  | aatatgctga  | tgtctatttt  | tttaattggg  | gattttattg  | 902220 |
| tttattatgt  | tgcatgaaaa  | aagtatatag  | taagaacatt  | tttgtattct  | gacctgaatt  | 902280 |
| tcgtcttttt  | tgattagtct  | ttattctgtc  | aaggtttgct  | ttttatcttc  | atttgtatac  | 902340 |
| tctaattttg  | gagtattaat  | attaaatcag  | taaaaaataa  | accatgaaac  | aacctgttgt  | 902400 |
| attatttgct  | tccatgtgcc  | tttgcgatc   | aggggcgatg  | caagctcaaa  | actctcagcc  | 902460 |
| taatccacc   | aaagcatata  | tcgtatcgga  | tgcgcatttg  | gatacacaat  | ggaactggga  | 902520 |
| tattcaaaca  | accattcaag  | aatatgtatg  | gaatacgttg  | aatcaaaatt  | tattccttct  | 902580 |
| tcgtaagtat  | cccgtattatg | tttttaattt  | tgaagggtgt  | gtaaagtatt  | cttggatgaa  | 902640 |
| agaatatattt | cctactcgct  | acgacgagct  | gaagcagcgt  | atcaaggagg  | gacgttggca  | 902700 |
| tgtaaccggc  | agtagctggg  | atgcctgtga  | tgttcttgta  | ccttcagcag  | aatcgggtact | 902760 |
| tcgtaatatc  | ctgtacggac  | aaaattatta  | tcggactgag  | tttggaacgg  | agggaacgga  | 902820 |
| tattttctta  | cccgtattgt  | ttggtttcgg  | atggacgctt  | ccatcgttgg  | cccaccattg  | 902880 |
| cggcttgata  | ggcttttctt  | cacagaagtt  | aggctggcgt  | aatcatcctt  | tttatggtga  | 902940 |
| caaaaaatat  | ccgtttacta  | tcggattgtg  | gaaaggatc   | gatggcagtc  | agctaattgtt | 903000 |
| tgacatggc   | tacgactatg  | gtcatcggtt  | taaagacgaa  | gatttgtcaa  | agagtgaaga  | 903060 |
| attaaaggat  | ttattaaagg  | atagtccgct  | gaacaccgta  | tatcgttatt  | acggaacagg  | 903120 |
| tgatatgggt  | ggttctccta  | cgataacttc  | cgttcgtgct  | gttgaaaaag  | gggtaaaagg  | 903180 |
| aacaggcgat  | atcaaagttg  | tcagcgctac  | cagtgatcaa  | ctttataaag  | attacgccgg  | 903240 |
| aaaacatgat  | cagcttcctg  | tgttcgatgg  | cgaattgctg  | atggatgtac  | atggtacagg  | 903300 |
| ttgctatact  | tcgcaggctg  | ctatgaaatg  | gtacaatcgt  | cagaacgaat  | tattgggtga  | 903360 |
| tgctgctgag  | cgtgcggccg  | tagcagcgga  | gtggttgaat  | cagggggcat  | atcctaaatc  | 903420 |
| agagtggaa   | acttcgtgga  | aacgtttcct  | tttccatcag  | tttcatgatg  | atctgacagg  | 903480 |
| taccagcata  | ccgcgtgcct  | acgagttttc  | atggaatgat  | gagttgattt  | ccttgaaaca  | 903540 |
| attttcggat  | gtattgactt  | cctctgttaa  | tgaagtttct  | cgtttgctgg  | atacaaatgt  | 903600 |
| gaaagggtact | cctgttgtac  | tgtataatgc  | attagggttt  | gctgtcaacg  | atcttgcaga  | 903660 |
| aatggaagtt  | gaatttgcaa  | aagctccgaa  | aggcatatct  | gtctataatg  | cagaaggtaa  | 903720 |
| aaaagtcgct  | tctcagtatt  | tgggttacaa  | agacggtaaa  | gcacatctgt  | tgggtgaggc  | 903780 |
| atctgttccg  | gccacaggat  | atgctgttta  | cgatgtccgt  | acttcagggtg | aagggtattgt | 903840 |
| ggtaaaaaaat | aaacaggtaa  | ataccttgga  | gaattcctgc  | tataagttga  | cttttgatgc  | 903900 |
| aaatgggtgat | attgtttctt  | tgctggataa  | gcgtaatggt  | aaagaactgg  | ttgcatcggg  | 903960 |
| aaaagctatt  | cgcttggcat  | tgtttacgga  | aaatgaatct  | tatgaatggc  | ctgcatggga  | 904020 |
| aattctgaaa  | aaaacattag  | atcgtgaacc  | ggtttctata  | acggacaatg  | tgaatttgac  | 904080 |
| tttagtagaa  | gacggagagt  | tgcgtaaatac | gctttgtatt  | gagaaaaagc  | atggtgaatc  | 904140 |
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| taatgaaatt  | gactggagat  | cgacaaatgc  | attgctgaaa  | gctgagtttc  | cgcttgctgt  | 904260 |
| ttctaataccg | aatgcaacct  | atgatttgtc  | tttgggtagt  | gtgcagcgtg  | gcaacaatac  | 904320 |
| agttactgca  | tacgaagtat  | acggacatta  | ttgggcagat  | ttaactgacc  | gtaaagggtga | 904380 |
| ttatgggggtc | tctattatga  | ataatggaaa  | atatggatgg  | gacaaacctt  | cggacaatac  | 904440 |
| cctgcgttta  | actctgtccc  | atactccaaa  | aacgaataag  | ggatatactt  | atcaggatag  | 904500 |
| acaagatttc  | ggctatcata  | catttactta  | tagtttgctt  | ccgcatcagg  | gtgagctcaa  | 904560 |
| taaggctgag  | gttgtatcga  | aggcagaagt  | tttgaaccag  | cgactgaagg  | ctttccaaac  | 904620 |

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| agacaagcat | aaaggtgaaa | tgggacgtac | tttctctatg | gtttcatcgg  | ataatccgaa  | 904680 |
| cgtgattatc | aaggcgttga | agaaagcagt | agattctgat | gaatatgtag  | tacgtgtata  | 904740 |
| cgatgttgcc | ggtcagggca | ttcagtcagc | tcgattgaca | ttcgccggca  | aacttgcttc  | 904800 |
| cgttgtcgaa | acggatggaa | ccgaaaagga | aattgcgaaa | gctgatttca  | gtaataatac  | 904860 |
| ttttgatgtg | aaagtcaatc | ctttctctct | gaaaacgtat | aaaatccggt  | tagcagaatc  | 904920 |
| aggtgtatcg | gcatatcaac | caaaatgttt | gtcgcttgaa | cttccatatg  | ataaaaagtg  | 904980 |
| tgtactttat | aatgagttcc | gtagtgaggc | cgattttgag | tctggttata  | gctatgcagc  | 905040 |
| cgaattgttg | ccggattcga | taacaatcga | tcaggttact | ttccgtctgg  | gcgagccgga  | 905100 |
| aacttacaac | ggcttgtcct | gtaagaatga | tactatcgaa | attcctgagg  | gatataatcg  | 905160 |
| cttatatttc | ttggcagcag | ctgcttcac  | agacgaccag | tccttacaga  | tagcttgccg  | 905220 |
| taagcacgtt | tcggaatttg | tagtaccttc | ttatacggga | tttggtggtc  | agtggggaca  | 905280 |
| tgaaggacat | acatccggtt | atttgaagcc | tgctcagatt | gcctatgttg  | gtactcaccg  | 905340 |
| tcacgcttca | agcggagatt | gtccttatga | gtttacttat | atgttcaagt  | ttggcatgga  | 905400 |
| tatacctaaa | ggcgttcatt | ctattgtttt | gcctaagaac | gaaaacgttg  | tgatttttgc  | 905460 |
| cgctacggca | gttgccgaaa | atcatgcttt | cgtaaaaccg | ttgactaagt  | tattccttac  | 905520 |
| aaataatcgt | gaagaggtgt | cggaatctgt | attgggtaag | aaaatgattt  | cgggcgagaa  | 905580 |
| ccttttgaaa | aatgccaaat | tgacaaaatg | gtcgaatttt | gtcaatgaag  | aggaatgtcc  | 905640 |
| acaggctgcc | atcgatggtg | atttgtctac | caaagtgtgt | gatattgcgg  | gtttaccaag  | 905700 |
| cttcttgga  | tttgatttag | gcaaagctca | gcaactgacc | ggatggaaaag | tggatgaatgc | 905760 |
| tggtaaggag | aatggatcat | ttattaccag | tcagtgtttc | ttgatgggaa  | gaaacgctgc  | 905820 |
| tgatgaagat | tggcagacga | tcgattactt | cgacggtaat | cgcagcaatg  | ttgttttacg  | 905880 |
| tacaatctct | tctgataaag | catatcgcta | tcttcgtatg | gttgtgacaa  | ggggaacaca  | 905940 |
| aacagcttct | tcacaagacg | tacgtattta | tgaagtagag | gtttattaat  | tatataaaaa  | 906000 |
| tgaagaaga  | atagcctgtc | atatgaaatc | aggctattct | ttgtttctct  | ctgctttgat  | 906060 |
| gaatgtgtaa | aggtatcctt | ggtaagaat  | aacagtatta | cagaagttaa  | tcaattaaat  | 906120 |
| ttgggggata | ttcttctttg | aatttgaga  | aaagtgggag | gaaggtagac  | atagagtaat  | 906180 |
| ccggattgct | gatctcaaaa | aatggaagaa | tgaattgttt | ccgataaatg  | atgtttgttg  | 906240 |
| ggattctgag | gatatttgga | aatggcttga | agtatgcgca | cctatagccg  | aagctttaag  | 906300 |
| tatgtttctg | actttggttt | tagtaataca | ataaatcctc | tcttgatttt  | tcaggagagg  | 906360 |
| atttttattt | tggcaattat | attgttgctt | gtgagttgtt | tagaaagtca  | tggaggcata  | 906420 |
| aattccataa | tgtccatcac | tagcaacggg | gctgagggtc | aggctgtgct  | tttgtgcgaa  | 906480 |
| tggtcgggtg | aagatgtaag | aacttcagc  | tccgatagcg | gctccggcag  | caacatccca  | 906540 |
| ccagtcatgc | ttcttcccat | aaacgcgggt | ccagcctacg | tacgtagaaa  | gaatgtaaga  | 906600 |
| aggtaacccc | cacttcagc  | cataacgtcg | ctggataaag | gctgcggcag  | caaaagacgt  | 906660 |
| agaggtgtgc | atcgatggaa | aggaatgatt | gtcgctatgg | tcgggacgtt  | ctttcttaac  | 906720 |
| aagatacttt | agggcatatg | taactcctat | ggccgttacg | ccagaaaata  | cgccttggtt  | 906780 |
| caatccttgc | cagtcctttt | gcagtaagac | tgcggtcagt | ccggctacag  | gaagcaggac  | 906840 |
| ggctcctacg | tctcccgttg | tgcgtacagc | ttttcgggag | ccggtgactt  | ctgtttcttg  | 906900 |
| agcgaagaag | gagaatgaca | ggatgagggc | tatcagtggt | aataagtatc  | ttttcatgta  | 906960 |
| agagcaatga | gtttaggtag | gaaaataatc | agtccgacga | tggccgatgc  | gatggctagc  | 907020 |
| aacaagacgg | ctcctgtctg | caggtctttg | gtgcgcttaa | tcgcttcac   | atattctgct  | 907080 |
| gatacacggg | cggcaagagc | ttcaattgcc | gaattgacgg | cttcagcagc  | gagtaccaga  | 907140 |
| ccaatgcaaa | gagtaatgat | aatccattct | gtcggagaga | gatggagcag  | gatacctgcc  | 907200 |
| gtaatcgta  | atacggcagc | aaaacagtgt | atccatgcat | tgtgttcccg  | actgataaac  | 907260 |
| aggaaaatgc | cgtgaaaggc | atacttgaaa | cttcggatag | gcttgcgtaa  | agtgaagccg  | 907320 |
| tcgtttttca | ttttccctca | agtttaccag | ttgattgtga | cttcaaccgg  | acaatggtcg  | 907380 |
| gagccaaata | tttcggtatg | tatctttgcg | tcctgaagtt | tgtcggctat  | gcgtgcagaa  | 907440 |
| gcgaggaagt | agtcaatacg | ccaccctgca | ttcttttcgc | gtgctttaaa  | gcggtacgac  | 907500 |

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|             |             |            |            |            |            |        |
|-------------|-------------|------------|------------|------------|------------|--------|
| caccacgagt  | agatatTTTT  | ctgagtagga | tagaagtggc | ggaaggtatc | gacaaagcct | 907560 |
| gcatacgagca | gtgtctggaa  | TTTTtcgct  | tcctgatcgg | tgaacactgc | gttcattcgg | 907620 |
| ttcgtcttcg  | ggttcttcaa  | gtcgatttcc | ttatgggcta | cgttcaagtc | gccgcatacc | 907680 |
| agaaccgggt  | tcttctggtc  | gagctgttgc | agatatTTTc | ggaagtcgtc | ctcccatgtc | 907740 |
| atacggtaat  | ccagacgttt  | caaaccgtct | tgtgagttcg | gagtgtacac | cgtcaccaga | 907800 |
| taaaagtttt  | ccatttccag  | cgtaatgaca | cgcccccat  | ggcatgctc  | atcaattccc | 907860 |
| aagccgtaag  | tgacggcaat  | cggctgggtg | cgggcaaaga | tagcagtacc | cgaatagcct | 907920 |
| TTTTtctcgg  | cgtagttcca  | gtaagagtta | tagccttcga | atgacaaatc | aagtgtctct | 907980 |
| tcctgcattt  | tcgtttcctg  | caagcagaaa | aaatctgcat | ccagagcttt | gaatgtttcg | 908040 |
| cgaaaacctt  | tatcgagca   | ggctcgcagc | ccgtttacgt | tccatgaaat | gagtttcata | 908100 |
| atcataataa  | gagtcggaga  | gtttatccgt | tttctgttta | tagttaagaa | taaatagaat | 908160 |
| agcgttattt  | cttcaagtca  | aataagtatg | tcagtcgtcc | ggcaatatat | gaatgggccg | 908220 |
| accgtgagaa  | cgggtctttt  | ttggtactat | gatagaagtc | gcttagaccg | aaataatatc | 908280 |
| gtgcttcgag  | caggaaattg  | ccgatgcctg | tacgggcttc | tataccact  | cctcctacaa | 908340 |
| ttcataatc   | aaattttgat  | tctgccattt | ttccgtattg | ccagattact | ccacttgggc | 908400 |
| gttcattggg  | atgccatgcc  | tcacttttct | tttcactttc | ttccagtaga | taacctattt | 908460 |
| gaggccctaa  | gttgagtaca  | aatcttgccc | catatccctt | atctttgccg | aaagcaagat | 908520 |
| gtgccattaa  | aggtacttct  | acgtagtcca | tggaaacttg | ataggtatct | cctgttccat | 908580 |
| cgtcgatgtt  | ctctttccat  | cctctttgct | agtagttgat | ttctgcctgg | attccacaga | 908640 |
| acatcttaag  | gtatctttcc  | gatatatacc | gtatggtgac | tccgaaagaa | ggagtaagga | 908700 |
| atgttttctc  | tttgatgtc   | ggctcaaaac | tgacagaact | gagatttacg | cctccattga | 908760 |
| taccgatggc  | taaattatgg  | cgtgggtctt | gcagttgggc | atgtacaggt | attcctgccg | 908820 |
| acaggcacaa  | aaagcttaat  | aatgcaataa | tggattgctt | tttcatgtag | ttattcaaaa | 908880 |
| tcaagtttta  | tcagttcgta  | atcttttgta | aagtgtacga | agaatacttt | ccggttgatg | 908940 |
| aatcctcccc  | agttgttgac  | acgttcaaag | caaaatcctg | tttgtatcgg | agtaacttgc | 909000 |
| acgcggtcta  | agttctcttc  | cagcttggtg | ccttgctgtg | ctagtccctt | caggaagaaa | 909060 |
| tatcctatat  | cgaatcctag  | cataccgtac | ttaggatagg | tgttcgacat | gtctttgcta | 909120 |
| taccagcgac  | ggtatgcatg  | cgtaaagttg | atggcagcag | gaaacagggt | gttggtatag | 909180 |
| aacgatgaat  | agaaataagt  | atccagttca | tagaagttag | ccagaaaatc | ctgtgtatac | 909240 |
| gtctgccatt  | ccggatagcc  | gaacaaatgc | atgttaaaag | ccgggtgttc | gcgacggacc | 909300 |
| agtgtgaggt  | gaggtaacaa  | gcgtgtcagt | gcggtatggc | ttcctgatgt | aggaataaag | 909360 |
| atgttttcct  | gtagagtgtc  | catagctgca | atgacttttc | ccggatcaat | ttcgctgccc | 909420 |
| agttgtatat  | ggctgaactt  | gatcttgtaa | tctttcaatt | cattcttcat | tcctttgatg | 909480 |
| aattcagctt  | tttccttatc  | tccagtcca  | tcatcaagga | agatgacatt | ggtcttcccg | 909540 |
| aatttgcgga  | taaagtgttc  | gtatacttta | gagtacagat | aagactgtgg | cgtgttgacc | 909600 |
| tgatagatat  | tcgggttctt  | gaatacctgg | tctactttag | gtgaaaaagg | aacgaccaga | 909660 |
| cgaatatcgt  | ttttatcggc  | gaatgaagca | acaggagcta | ttgaagactg | tcgtgccggt | 909720 |
| ccgaatatga  | tatccatgtc  | tttcagttcg | ctttgtgaaa | gaatggcggt | tgttccaatg | 909780 |
| gttggtccctt | ttgtatcgta  | tgtatagata | tcggtcgaaa | ctccctggcg | cttcaagctg | 909840 |
| tctacggcca  | tcagaaagcc  | ttcataaaat | tctaccatgc | gcgactgttc | atcctgattg | 909900 |
| ccggaagaaa  | atggcagcat  | gattcctacc | ttgatggtct | ttatctgttt | tttgctgacc | 909960 |
| gagctttctt  | tgaacaattc  | ttcgttgctg | ggatcagctg | tctgcgtaga | tgcagtactt | 910020 |
| gtcgacgatt  | gttggtgactg | aggatagggg | ataaaaagga | aacttccttt | cttcaacttt | 910080 |
| ccgcttctca  | gttcgggatt  | ggccgcaatc | agctcttctt | gggtaatgcc | gtattgctgg | 910140 |
| ctgatgctga  | aaatggtttc  | ttttctctca | acctgttgca | tatctctcca | ttcatttttc | 910200 |
| ttggtcgacg  | gttccgactg  | cacagtcctg | accggttggg | ctgctgcatt | atcttgagca | 910260 |
| ggaataacga  | taacctgacc  | gatgcggaag | tttgcgccac | ttaatcccgg | gtttgccttg | 910320 |
| cagatagcct  | gggcactgac  | tttatatttt | atcgtcagct | gatagagtgt | ttcgccctgc | 910380 |



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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| tgaatggtat  | gaaactgctg  | tccgttttcg | ttactatatt  | gagtctgtgg  | tatttttaaat | 910440 |
| gcttctccgg  | cacgtatttg  | ttcccggcct | cccgggttca  | gacgtacgat  | atcgtcgatg  | 910500 |
| gaaacattgt  | acatactggc  | aatagaatat | aggctttgtc  | ccttggttac  | ggtatgtaaa  | 910560 |
| aaatatccgg  | ttccggctctg | tgccgatacc | gttgctttca  | aacagccggc  | agagagcgcc  | 910620 |
| agcgaaaagac | agataatgcg  | gataaacttc | attttcgttt  | gtattttattg | agtgacaaaa  | 910680 |
| gtacaaaaaa  | aagcattatc  | tttgcaaaga | tatgattgat  | tttaaggata  | tggaagacgg  | 910740 |
| aaaagaaaca  | ataagtatag  | aaggcgacg  | cgtacataat  | ctgaagaata  | tagatgtgga  | 910800 |
| gattccacga  | gatagtctga  | cggtcacac  | ggggctgagt  | ggaagtggaa  | aatcttcggt  | 910860 |
| ggctttcgat  | acgattttcg  | ccgagggaca | aagacgttat  | attgaaacgt  | tttcggctta  | 910920 |
| tgcccgggaat | tttctgggag  | gaatggagcg | tccggatgta  | gataaaaataa | caggtttgag  | 910980 |
| tcccgttatc  | tccatagaac  | agaaaaccac | caataaaaaat | cctcgttcta  | ccataggtac  | 911040 |
| cacgaccgaa  | atctacgatt  | acctgcgctt | gctttttgca  | cgtgccggta  | ccgcttactc  | 911100 |
| gtatatattcg | ggtgagaaga  | tggtaaaata | tacggaagaa  | cagattctcg  | acttgattca  | 911160 |
| tcgtgactat  | aaggggaagc  | gtatttatat | attggcaccg  | ttggtgcgta  | cgcgtaaagg  | 911220 |
| acattacaag  | gaactctttg  | aacagattcg | caagaaggga  | tatttgtagt  | tgcggtgga   | 911280 |
| tggcgaagt   | aaagagattg  | ttcacgggat | gaaactggac  | cgatacaaga  | atcacgatat  | 911340 |
| tgaagtgggtg | attgataaaa  | cggtcgttac | ggaaaaagag  | gaaaagcgtc  | tgaagcagag  | 911400 |
| tgtgacgacg  | gccatgcaac  | agggcgacgg | attgctgatg  | atccttgatg  | cacagaccga  | 911460 |
| gagtgtccgc  | cattatagta  | agcgactgat | gtgtccggtt  | acgggcatct  | cttaccggga  | 911520 |
| acctgtccg   | cataactttt  | cttttaactc | tccacagga   | gcttgtccgc  | gctgcaaggg  | 911580 |
| cttggggtat  | gtcaatctga  | ttgatgttga | caaggttatt  | ccagaccgtt  | ctctttccat  | 911640 |
| ttacgagggga | gctgttgac   | cacttggtaa | atataagaat  | gtgatgat    | tctggcagat  | 911700 |
| agaagcggtg  | ctcgaaaagt  | atgaagcaac | ccttaagact  | ccggtctcgg  | aactgccgga  | 911760 |
| agatgctatc  | aatgaaatct  | tgtacggggc | ggacgagcgt  | ctgaaaatca  | aaagttcgct  | 911820 |
| gatacatgct  | tcgtcggatt  | acttcgtcac | ttacgaagga  | attgtgaaat  | acattcagat  | 911880 |
| gatgcaggag  | aaagatgctt  | cggctacggc | acagaagtgg  | gcggaacaat  | tcgcgaaaac  | 911940 |
| cgatatctgt  | ccggaatgta  | agggagcacg | cctgaataag  | gaagcactcc  | atttccgtat  | 912000 |
| ttacgacaag  | aatatttacc  | agctttctac | catggacatc  | agcgaacttt  | acgaatggat  | 912060 |
| gtcgcagtgtg | gaagagcatt  | tggatagcaa | acagcgtatc  | attgcaacgg  | aaatattaaa  | 912120 |
| ggaaaatacgc | acacgtctga  | aattcttgct | ggatgtggga  | ctggattatc  | tgtcactgaa  | 912180 |
| ccgttcttcg  | gtcagcttgt  | cgggtggaga | aagccagcgt  | attcgtctgg  | caacgcagat  | 912240 |
| aggttctcag  | ctggtaaagt  | tattgtatat | cctcgatgaa  | ccgagtatcg  | gcttgcacca  | 912300 |
| gcgcgataat  | atccggctga  | tcaactcgct | gaaggaactg  | cgtgatttag  | gcaatacggg  | 912360 |
| catcggtgta  | gaacatgata  | aagacatgat | gctggctgcc  | gatttatattg | tcgatatggg  | 912420 |
| cccgaaagca  | ggacgcttgg  | gggggaggtt | gtctttgcgg  | gaacacctga  | ggaaatgctc  | 912480 |
| aagacttcaa  | cccttacgtc  | gcagtatctg | aacggaaaga  | tgaagattga  | aattcctgcc  | 912540 |
| gaacgccgga  | aggggaatgg  | taaatcgctt | tggcttcgtg  | gtgcacgagg  | aaataacctg  | 912600 |
| aaaggggtag  | acgtggaatt  | tccgctgggc | aagctgattt  | gtgtaaccgg  | cgtatcaggt  | 912660 |
| agtggcaagt  | ctaccttgat  | aaacgatact | ctccaaccga  | ttctttcgca  | gcatttctac  | 912720 |
| cgttcgctgc  | aagatcctct  | gccttacgat | tcgatagaag  | gactggaata  | tatagataag  | 912780 |
| gtggtcaatg  | tagaccagtc  | gccgctcggg | cgtactcctc  | gctccaatcc  | ggcgacttat  | 912840 |
| accggtgttt  | tctccgatat  | acgtaatctg | tttgcgggac  | ttccagaagc  | caaaatacgc  | 912900 |
| ggatacaagc  | cgggacgctt  | ctcctttaat | gtgtctggcg  | gtcgggtgtga | ggcttgcggc  | 912960 |
| gggaatgggtt | ataagacaat  | tgagatgaat | ttcttaccgg  | atgtctttgt  | accttgcgag  | 913020 |
| gtttgtcacg  | gcaaacgcta  | caaccgggag | acactggagg  | tacgctataa  | aggcaaatcc  | 913080 |
| attgccgatg  | tgctcgatat  | gacgattaat | cgtgcagtag  | agttctttga  | gaatgtgcc   | 913140 |
| cagattctga  | ataagattaa  | agtcttgag  | gaagtgggat  | tgggatatat  | taagttaggt  | 913200 |
| cagccctcta  | ccaccttgct  | gggcggtgag | agtcagcgtg  | tgaaactggc  | aaccgaactc  | 913260 |

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| tcgaagcgcg  | atacaggcaa  | gacggttttac | attcttgatg  | agccgactac  | cggcttgcag  | 913320 |
| ttcgaagata  | tccgcgtact  | gatgacggtc  | ttgaaccggc  | tggtagataa  | aggcaatacg  | 913380 |
| gtaattgtca  | tcgaacataa  | cctggatgtc  | atcaagatgg  | cagactatat  | tatcgacatg  | 913440 |
| ggacccgaag  | gaggtaaagg  | aggaggggcag | ttgctttcgt  | gtgggactcc  | cgaggaagtt  | 913500 |
| gcccagtcgg  | acaaaggata  | tactcctaag  | ttcctgcgtg  | aagaactggc  | taatcagtaa  | 913560 |
| taaatgatca  | aaacaatagg  | tgaattatgg  | caaaagaaaa  | gattgcgaaa  | accaatgcgg  | 913620 |
| cacgtctgct  | ggacaaggat  | aagataaaaat | atgaacttgt  | accttatgaa  | gtagacgaaa  | 913680 |
| acgacttgag  | ttgtgtgcac  | gtagctgcga  | cgctgggtga  | aaacatcgaa  | caggatttca  | 913740 |
| agaccttggg  | gctacatggc  | gataagtcgg  | gttactttgt  | ctgtgtgatt  | ccgggcgagc  | 913800 |
| atgaaatcga  | cttgaaaatg  | gcagccaagg  | tttcaggtaa  | caagaagtgt  | gacctcattc  | 913860 |
| atgtaaagga  | attgcttccg  | ttgacgggat  | atatccgtgg  | aggatgttca  | cccattggca  | 913920 |
| tgaagaagca  | ttttcctacc  | tatatccatc  | atacatgcaa  | tgattatcct  | tatatatatg  | 913980 |
| tcagcgcggg  | cgtacgcggc  | ttacaggtga  | aactggctcc  | ggccgacttg  | ataaaggcca  | 914040 |
| gtcaggcgga  | agtctgtacg  | ctgttcggcg  | aataagaacg  | tggtgacgtt  | ttgtttgaaa  | 914100 |
| catgggcgga  | ttctttgcga  | attgcgcca   | tgttttttta  | tatcatatcg  | agaagaccga  | 914160 |
| aaaatcgcg   | caaataccag  | tattttttgt  | acttttttat  | atattttgca  | gtaatataaa  | 914220 |
| tttattaatc  | attaaaaatc  | tcattatttta | tgtttaacaa  | gcatacctaaa | ggtttgatac  | 914280 |
| ctgccgcact  | ttctaactatg | ggggagcggt  | ttggctacta  | catcatgaac  | gctgtgctgg  | 914340 |
| tgttgttcct  | ttgttctaaa  | tttgggtata  | gtgaggagaa  | aagtacactt  | atctattcat  | 914400 |
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| agaactataa  | aggtacaatc  | atggccggtc  | ttgtggtcac  | ggctgttgga  | tatattgcat  | 914520 |
| tatctattcc  | tattactgcc  | aatgcaggca  | atacatcatg  | gttgcttaca  | cttacttgta  | 914580 |
| tcgcattggt  | tttcatagca  | tttggttaacg | gtctgttcaa  | gggaaacctt  | caggctattg  | 914640 |
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| ttgaagccaa  | gagcaagaga  | gattccggat  | tccagatatt  | ttatgtattt  | atcaatatcg  | 914760 |
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| acggaatgtc  | ggctgaggct  | atgggcaact  | tgaatcagtt  | gatgtcacag  | tgcgtaggca  | 914940 |
| caactaccga  | tatggctgct  | tcttgtgcac  | aataatttgca | gatattttaat | gaaggatttc  | 915000 |
| attattcggt  | tggtgcatct  | gttgcgga    | tgctcatttc  | tttgattatc  | ttctttgtaa  | 915060 |
| ccaagagtca  | gttcccgat   | ccgggaaaga  | aagaagccgc  | agctgctggt  | acttattcag  | 915120 |
| cagaagaaaa  | ggctgctatg  | gctaaggaaa  | tcaacaacg   | tctttacgcc  | ttgtttgcag  | 915180 |
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| tctttgcgag  | agacttcgtc  | gatacatcca  | caattgtctc  | ggaaatatgg  | caggcagtga  | 915300 |
| atcctttctt  | tgtgattaca  | ttgactccga  | ttatcatgat  | gatttttcgg  | tctctttcaa  | 915360 |
| gaaaaggtaa  | ggaaattttc  | actccgcgta  | agattgccat  | cggtatgctt  | attgcagggt  | 915420 |
| tggttatctt  | cttccctttc  | gcatattcac  | tcattatggg  | ttatccttct  | gcagccgaat  | 915480 |
| acagagagct  | tcctatcgac  | cagcagggtta | aggcaggagc  | atggggtttg  | attgttcttt  | 915540 |
| acttcctgct  | tacagtggca  | gagttgttta  | tttcacctct  | tggtattgtca | ttcgtttcga  | 915600 |
| agggtggctcc | aaagcatctt  | ttaggacttt  | gtcagggtat  | atggctcggt  | gcgactgccg  | 915660 |
| taggtaatct  | tctgctgtgg  | attggctcctc | tgatgtataa  | cgctatccct  | atcggtatatt | 915720 |
| gctgggctat  | tttcatgatc  | gtatgcttca  | tctcaatggg  | agtcagtctg  | ttcatggtga  | 915780 |
| aatggctgga  | gcgtgtagct  | aagtaatcga  | ataaataaat  | ctgataaaaac | tgcgaggcgt  | 915840 |
| acagaatggg  | tttttaaaact | cggctctgtac | gcctcgattt  | ttattttaaga | aaagggtttt  | 915900 |
| ttcaatgttt  | ctgtcggctg  | gataattgtc  | ttttatctgg  | taaatgtaat  | ttgtgtttcg  | 915960 |
| agtaacttgt  | aagtaggggtg | ttttttatta  | taggtaacgg  | aggaatgctt  | ccggttattg  | 916020 |
| tatgattcta  | tttactgtat  | caccatgagg  | tgatgggtta  | ccgtaagtac  | tactccaagt  | 916080 |
| atatattgat  | tagcatctta  | ccttggttgg  | gtaatactgc  | atgattttct  | caatcatggc  | 916140 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| tttcctatgt  | ttgtaaacca  | tattctcgtc | gtagtgtgtc  | acttcttcgt  | cataaatcag  | 916200 |
| tttaagcttt  | agtgaatcgt  | acgtaggttt | cgagtagaaa  | tcaatcttct  | ttttcgccac  | 916260 |
| atcctgattg  | ctgtacgatg  | agttttgctc | tacgttcagc  | agagccagat  | tgccgaagtc  | 916320 |
| gtccagacac  | gccggagaga  | ttgtggcttt | agtgaattca  | tgggtgctggg | gaaaggcgtg  | 916380 |
| ttcgacagag  | tcgcttccgt  | gacgttgtac | attatttgctc | cgaccgtgaa  | gttataaaaa  | 916440 |
| atattgtttc  | taaggacatc  | cgatgactgc | ttgttgaaaa  | tctgcggcaa  | tttacggatg  | 916500 |
| agccgatgac  | atgccgatga  | ggtaaggcag | acaattcgtt  | ttgtttttgt  | acaaaaacaa  | 916560 |
| aaatcttttg  | tacaaaaaat  | aaaaaaacat | cgagacgttt  | tctttcgaag  | gtgccggaac  | 916620 |
| cttttttcga  | gattgtcggg  | atatatgtaa | acaagtcctt  | taacctttcc  | cgaagttttt  | 916680 |
| cgctctgcaa  | cagcaggata  | ggggaagagg | ctaaaggact  | tgtggtatat  | cgcacccggt  | 916740 |
| agtgtcgggt  | gaatgcttgc  | ttgttggtt  | gttgggaacc  | gtcaaccgtc  | gattattttca | 916800 |
| gcgttgatg   | tgtattttcg  | gataaagggt | gcgggcttat  | tcggctccct  | tcatcatttt  | 916860 |
| ttgcagtttg  | cccgagaaca  | ggaataggac | gactgctgcc  | gtaccgctca  | tgaagacaaa  | 916920 |
| caacatgaag  | aaatcgaaca  | ggttttcaat | gtggtaaccc  | aagaaagtct  | tgggtgactcc | 916980 |
| gccttccgga  | taatagccgc  | tcaacatgcc | ggcaaatttg  | ttggctgccg  | aggtactgag  | 917040 |
| ataccatacg  | cccatcaaca  | gcgaggagaa | gcgtaccgga  | gagagtttgt  | ataccagcga  | 917100 |
| cagtccgata  | ggagccagac  | aaagtctctc | catggtgtgg  | atgagataca  | atcctgtcaa  | 917160 |
| ccgatcatg   | ctgactttta  | cgccagggtc | cacatctttt  | acgccaaagg  | cgatgaagag  | 917220 |
| atatacctaat | gaaagcaaca  | gcagaccgat | agcctgttta  | cgcggtgagc  | tgggttcgat  | 917280 |
| accccgcttg  | ccgaggaatg  | accagatagc | tgcaaataca  | ggtgccagcg  | tgacaatcat  | 917340 |
| aatcgggttg  | aaagactgga  | aataggcagc | aggcatttcc  | cagcctccga  | tgtgacggtc  | 917400 |
| ggtttgttcg  | tcggcaaaga  | aggtgagtga | agctccggcc  | tgttcgtagg  | ctgcccagaa  | 917460 |
| gaaaattacg  | aaaaaggcga  | tgatgtatat | cacaccgatt  | cgggcttggt  | ccgtacgggt  | 917520 |
| cagacttttg  | tcggtgatga  | tgatgacagg | catcacgata  | gtagtggcat  | aaatcagcga  | 917580 |
| accaatccaa  | tcgggtccgg  | caaagatacc | gccgtcgcct  | ccccagttga  | cggagaacag  | 917640 |
| aatggtaagc  | agaatggtac  | ctgcaatcat | ccataccgta  | cgcttggtgc  | cttccttatc  | 917700 |
| ggccggtgat  | gtttctgccg  | cttttgctgt | tttgacagga  | gccgtgccta  | caggattacc  | 917760 |
| ttccgggtcg  | cagatatatt  | tgttcttaaa | caactgaaag  | actgtagcac  | ccagtatcat  | 917820 |
| accgatacat  | gccgcgagaa  | atccccattt | gaaatcctcc  | ggatgtccgg  | tatttcctac  | 917880 |
| cagtccgcat  | accagcggag  | cgatggtaga | acctacattc  | actcccatgt  | agaagatggt  | 917940 |
| gaacgccgaa  | tccttgcgct  | tgtcgtcggc | cgtatacaga  | cgtcctacca  | tggtcgagat  | 918000 |
| gtttggttta  | aagaaaccgt  | tacccaaaat | cagcaggccc  | agtcccacaa  | acatcaacca  | 918060 |
| tttgccagc   | tccacctgat  | gaaaatagca | ggcactcagg  | aaaagcatga  | actgtcctgc  | 918120 |
| cgccatggtc  | agtgtccta   | cgacgatgga | gcggcggttt  | ccccagtacc  | ggtcggcaat  | 918180 |
| gtagccgcca  | atcaacggag  | taagatatac | cagtctgtga  | taacttccgt  | atacttgtga  | 918240 |
| agccatctcc  | ttatcgaaca  | gcagagcctg | taccatgtat  | aacatgaaca  | aggcgcgcac  | 918300 |
| gccgtagtaa  | ctgaaccgct  | cccacatctc | agttacaaag  | agtaaataaa  | gtccttttcg  | 918360 |
| atgtcctttt  | gtctgattca  | tttgcttcta | ttttgataaa  | atgttcgttg  | ttatagtaaa  | 918420 |
| aaacggttga  | aaaatagcaa  | ataaatcggt | tgcttcaaaa  | tcaaaaagtc  | agaagatatg  | 918480 |
| tttaccgata  | tgcggtttgt  | cctgaatatg | ggctgaaatc  | aggacaaaag  | gttatcggat  | 918540 |
| ttatcgttgt  | gttggctggt  | tgattccggc | aaaatcagga  | aaatgttttc  | gaaacatttg  | 918600 |
| ttgtgtgggg  | cttgggaagca | tggcggacag | gtggctgtct  | agccgtgtgg  | acaaaagaaa  | 918660 |
| aggaagagca  | gtaagtatgt  | tttctgctct | tcctgtatcg  | aaataataag  | ttgatatgtc  | 918720 |
| tgaaaatctta | tctgttgga   | gttactccct | gatagcagga  | ggtcactttg  | tcgaagaaaag | 918780 |
| ccgcatcagg  | attagcttcc  | agcaactgca | tcatcaggct  | gtatacatcg  | gcatggctgt  | 918840 |
| cgagcttgat  | agcagtctga  | aggtcggcaa | gtgaatcatc  | gtagtcgcct  | ttgtccatat  | 918900 |
| ggatttcggc  | acgggtctta  | tagttttcca | cgtcggaggg  | agtcagacgg  | atggcttcat  | 918960 |
| ccagatcctt  | ctctgccaga  | tcgtatgcct | gtgcgttcat  | gtaaaagtgtg | ccgcgggtat  | 919020 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| aataggcaaa  | cgagcgatat  | tcggtatctt | cttccggaat  | cagtttctact | ccttcggttg  | 919080 |
| cggcatacag  | tgccagcttc  | atgtcgccgt | aaaaattgca  | taccagcgcc  | atatagcaat  | 919140 |
| gtgcataatcc | gtgtcgggg   | ttttgggtga | tttcttcatt  | caggatttg   | taagcctttt  | 919200 |
| ctgcgttgcc  | tgcggtcaga  | gcttctactc | cttttatata  | attggaactt  | tccggacggc  | 919260 |
| tgaaatcttt  | tccttgatc   | tggccgattg | ccaacaggca  | acatgctgcg  | atgagtatta  | 919320 |
| atgttttcat  | tgtatttgat  | ttgtagttgt | ttttatgttc  | gggcacaaaa  | atagatagtt  | 919380 |
| ttcttgaaac  | agtgaatacc  | ttacaaaaag | atTTTTTTat  | gtttaaaatc  | agTTTTTTaa  | 919440 |
| catttcgtag  | ttccttctct  | tcctgttgct | gcttctgagg  | tgtattgtac  | tctgtgctgg  | 919500 |
| cgggctttct  | gctttatcgg  | cattttgctg | taaggcgagg  | ctgaagaagc  | aaggaggcat  | 919560 |
| caggtaactg  | aaatagatgg  | aggtttccc  | ctggttgtaa  | agcggagttg  | gatttttttt  | 919620 |
| gtatttttgt  | cggtaaattg  | aaagaataaa | tgaatcaaca  | atattcgtct  | gttttatttg  | 919680 |
| aaaaagcagt  | aggggagttt  | gccaagcttc | ccggcatcgg  | aagaaaaacg  | gccatgaggc  | 919740 |
| tagtgctgca  | cctgcttcgt  | caggatttgc | agactgtaga  | agcatttggc  | aacgctgtca  | 919800 |
| tcaagttgaa  | gcgtgaagtg  | aaatattgta | aggtctgcc   | taatataatc  | gacacggatg  | 919860 |
| tctgccagat  | ttgttcgaat  | ccttcgctgg | atgcttcgac  | ggtgtgtgtg  | gtggagaata  | 919920 |
| tccgcgatgt  | gatggctgtg  | gaaaatacgc | agcagtacaa  | gggattgtat  | catgtatttg  | 919980 |
| ggggagttat  | ttctccgatg  | gatggtatcg | gtccttcgga  | tttgagata   | gacagcctgg  | 920040 |
| tggatcgtgt  | gaaatcgggc  | acggtgaagg | aggtgattct  | tgcttgagc   | tcgaccatgg  | 920100 |
| agggagatac  | aaccaacttt  | tatatcttcc | gcaagctggc  | ttcttacgat  | gtgaagctga  | 920160 |
| cgatgattgc  | cagaggtata  | tcgattggcg | atgaactgga  | gtatacggat  | gaggttactt  | 920220 |
| tgggacgttc  | gatcgtaa    | cgtacggat  | ttaccggaac  | aatgtaa     | tattggggta  | 920280 |
| tggaaaagaa  | aattacgcag  | ttattgaggt | gtctgaaagt  | ggagtttgct  | ctgttgtggg  | 920340 |
| cactgtgtat  | catattgatt  | gtattgtatg | agtgcgacat  | tcttccgcag  | ggtgtgctga  | 920400 |
| cggacgatgc  | tcgtacggga  | tatatgttgc | aggtgttggg  | tattctgctt  | gctgtgggat  | 920460 |
| tgataccttt  | gtcgcttcgt  | ctgttcagct | tgctcgctgac | gaagtatgta  | cgcacgctgc  | 920520 |
| cgctactgga  | ggctttgaag  | agttatcgtc | gctggaatga  | agtgcgtgtc  | tgctgtgctgc | 920580 |
| tgggtgcggc  | gctgggtcaat | ttgtccgttt | attactggac  | aatggatac   | acaggcttgc  | 920640 |
| tgtgtgccgg  | aatgggtactg | gtggcttctt | tgttttgtgt  | gccgggacgg  | gagcgcgatga | 920700 |
| tggctgaact  | cgatctgcgt  | aataatgagg | agcgtgtatg  | atggaaacgg  | ctttttttaca | 920760 |
| tactgaggag  | gtcagacttc  | gggctgtgga | gccggaagat  | ctgggactgt  | tggacaggat  | 920820 |
| ggaaaatgat  | gaatctctgt  | ggcagcatgg | aaatgtgaca  | agtccttatt  | cccgcctttca | 920880 |
| gttggaaga   | tacattgccg  | aaaattcaaa | cgatatctat  | accgacggtc  | agcttcggct  | 920940 |
| gattatcgaa  | ctttatgggt  | gagaagcggc | aggggtcatc  | gatgtctttt  | ctttcgaccc  | 921000 |
| tcgccaccgc  | cgtgcagaac  | tgggcattgt | tgtgctcgaa  | gagttccgcc  | gcagggggat  | 921060 |
| aggtcgggta  | gcattatcgc  | tcattggagc | ctattgcttc  | aggtttctgg  | gcatacatca  | 921120 |
| gttgatgca   | tatattcaga  | aagaaaacac | agcctgcctg  | aatctttttc  | attcttcggg  | 921180 |
| ctatgatac   | acgggagtag  | tgaagactg  | gctgtataca  | agtgcgggtt  | atcaggatgt  | 921240 |
| gtgcttgta   | cagaagctga  | atcctttaat | tgcataag    | atattgcggg  | tatttagccc  | 921300 |
| agagccgata  | gggatttccc  | agttcgttca | tgctggctctg | ccataattcc  | cggtaat     | 921360 |
| cgttcagcag  | atgctgtttg  | ctggtttcac | ctatcatcca  | cgaatcttcg  | tttatttctt  | 921420 |
| tttgaagctg  | ttcattgttc  | catccagcat | agccagcaaa  | gaagcgtatg  | tgcccttcga  | 921480 |
| tgggattgcc  | tgccagaatg  | tattgctgga | cgttttcgaa  | atctccgttc  | aggtatagtc  | 921540 |
| cgtttcccaa  | tggaaaagaa  | ccttctagtt | cggaagcgt   | atgcaaaaag  | aagattgtgt  | 921600 |
| tcctgtctac  | cggtccgcct  | ttgtatacag | gaatggagg   | agccgattcc  | aggttaggaa  | 921660 |
| caagttgatt  | gagcgatatg  | tggatctga  | agtctttatt  | catcacaatg  | cccatgcttc  | 921720 |
| cttctgaatt  | atgtgttacc  | atcaggacga | ctgaacgggc  | aaaatgataa  | tctgactagt  | 921780 |
| cctaaataac  | cgttacagtt  | attggacaaa | aataaattat  | ttatcacagt  | tcagcaaggt  | 921840 |
| cagtcttgct  | gaactgtttg  | tttttgaac  | ttttaatttt  | aatcagcttc  | tgatgatgca  | 921900 |

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|             |             |            |             |            |            |        |
|-------------|-------------|------------|-------------|------------|------------|--------|
| tatactccgg  | cgttttatac  | ccacaagagt | aatgaggtct  | gatgttatta | tacttgtaga | 921960 |
| cagcatccct  | tattacctgt  | ttcatatctg | atagcggtag  | attaagttcc | tcaagcagga | 922020 |
| actcctgttt  | tagtattccg  | tttattcgtt | ctgccacggc  | attagcgtac | ggatcgtaag | 922080 |
| attcagtcac  | gctgggtatg  | atgtgatatt | gtcccagtaa  | tttctgatat | gcatcggaac | 922140 |
| agtactgtat  | accacgggtca | gagtgggtga | tcaatggcgt  | gtccctatac | agtcggttgc | 922200 |
| ggtttgccat  | cctcagcgcg  | ttcaaagaac | cttgagtgtc  | caaggaatcg | gaaagatcat | 922260 |
| atcccataat  | cttcttgga   | taagcatctg | taaccagaga  | aagatacata | tgccggtttc | 922320 |
| tattgccaat  | ataagtaata  | tcagaaaccc | atatttcttc  | cgggcgtgtc | gcttccatac | 922380 |
| tttctacaag  | attcttgtgc  | ttccgaaacc | ggtgatgcga  | gttggttggt | acatgatatg | 922440 |
| aacgtacggg  | ctttataagc  | agacggttgg | cacggagtat  | atcgaacagt | ttgtccctgc | 922500 |
| ctaccttgtt  | ctccttaagt  | ggctgatgaa | gcatatgata  | aagtttgcg  | gttcctacac | 922560 |
| gtggcagttc  | cattcggata  | tctcgtacca | tgcccacaac  | atcagtggcc | ctttgccggc | 922620 |
| ctcggattat  | cttccattgc  | tgacggtaat | atctctgcct  | gcttatcccg | agcagtcggc | 922680 |
| agattccgct  | gatacttacg  | gatttttctt | ctttatatatt | attgactgtt | cgggagagga | 922740 |
| gttttttcgt  | atgtcgatat  | tatatctctt | ttccgctatg  | tctatcatca | tgtcgaaaaa | 922800 |
| ctctgctttc  | atataccttca | gctcaagctc | cttttccaga  | cgggcattct | tgcgttccag | 922860 |
| gaaccttact  | ttctgttgta  | gttctaacag | tttttgatcc  | ttactctttt | ccatagaatg | 922920 |
| gtaacatttg  | tttgtgatat  | caaagttacc | atatttttca  | atccaacggc | taatagttag | 922980 |
| acatccttgt  | atcccatatt  | ttcgtttcag | cgctcccaaa  | cttatttttg | tggtttcata | 923040 |
| ctcttgcaact | actgatagtt  | taaaggacat | actgtaatct  | ttttgtgtgc | gcttaacgta | 923100 |
| ctttgtttct  | gtcttttcca  | taatgttacc | ttttttgttg  | taacgctatt | tcaggactag | 923160 |
| acaatcatat  | aataaagggg  | aagcaataag | aatacttccc  | gtatgcggaa | gcgccttatt | 923220 |
| tgatttttact | tgaaaaatgc  | gcatatccat | agttgttaca  | tttaattcta | ctaatttagt | 923280 |
| aaaaaaaaatg | ttgaatataa  | aagaatttat | tatctttttc  | tttgaaaata | atattattga | 923340 |
| taaataacaa  | aaaagcgatt  | accgaagtaa | ccgcttttct  | gtgattccgc | tgcgattcga | 923400 |
| acgcaggacc  | cacgccttag  | aagggcgttg | ctctatccag  | ctgagctacg | gaaccatcct | 923460 |
| taatggaggc  | ggtgcgtacg  | ggactcgaac | ccgtgacccc  | atgcgtgaca | ggcatgtatt | 923520 |
| ctaaccaact  | gaactaacgc  | accaaatttc | tttgttcgct  | atctctctcg | attgcgagtg | 923580 |
| caaagggtact | actttttttt  | attcctgcaa | atataattgac | cagttttttg | taagaaaact | 923640 |
| gtctttttatg | cttggttgga  | tcgttaagag | tatctcttcg  | gatagcggaa | aagaatgctt | 923700 |
| aaaagagcta  | taatgcctag  | tgttataggg | taatacacat  | agccgatgat | gctgatgggg | 923760 |
| gataattgtg  | tcagctctgc  | tgctatcagc | atgtgtgctc  | cgtaggggat | aattccttgc | 923820 |
| acgacgcatg  | aaaaaatac   | gaggacgtg  | gcactttttc  | gtttgtccac | cttaaattgt | 923880 |
| tcggcaatat  | tgtttgccag  | aggccctacc | gtgatgatgg  | ctatcgtatt | gttcgctgtg | 923940 |
| cagaaattgg  | caaggctgac  | caatgccgcg | atgcttagtt  | cagcacctct | tttgttcttt | 924000 |
| acgtgctgtg  | tcaggcgggtg | caggatgtaa | tcgactcctc  | cgttgaagcg | aatcagctca | 924060 |
| agcatgcctc  | ctgccatcag  | ggtgatgatg | atcagttcac  | ccatgcctgt | gatgccttct | 924120 |
| cccatggagg  | cgaaccagcc  | aaacaggtcg | aaactgccat  | atataaggcc | gataacaccg | 924180 |
| gtagaaagca  | gaccgagcag  | cagtaccagc | gtgacgttca  | taccggcaat | ggccgttccc | 924240 |
| aatacgaatg  | ggtaagggat  | tactttggcc | cattcgatgg  | attgtatctc | gtttgccgat | 924300 |
| tcaacgtgta  | cgccatagat  | gatataatag | ataaagacaa  | gcagggcagc | cgggacggca | 924360 |
| atcatgaagt  | ttaccgcgga  | cttgtcgcgc | atgacgcac   | cttgtgtgcg | ggtggcggct | 924420 |
| atcgctcgtg  | cggaaataaa  | cgaagatta  | tcgccgaaga  | aggcacctcc | gatgacaagt | 924480 |
| gctgtcataa  | atgccagatt  | gacgtctgtt | tttgacgcga  | tacctgctgc | tacgggtaca | 924540 |
| agggtacaa   | tggttccac   | cgaagttccg | atggataacg  | atatgaagca | agaagctaaa | 924600 |
| aagattcctg  | ccagcaacag  | gttatcggga | agtaacaata  | atgtcagggt | aaccgtcgcg | 924660 |
| tcgattgctc  | ccattgcctt  | ggctgattgt | gcgaaggctc  | ccgccagaat | gaatatccac | 924720 |
| agcatcagca  | tgatgttctt  | gttggtcgcg | cccgatgaat  | attgcaatat | gcggtcgttg | 924780 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| aggctcagtc  | cctttgtcgt  | ggctacggca | tagatggaag  | ctaccataaa  | tgcgaccgtg  | 924840 |
| ataggaactt  | tatagaaatc  | gtttacgata | agtgaagtta  | ccagatacag  | gcaaagaaat  | 924900 |
| actacaagcg  | gcatcagagc  | ccagccgttc | ggcttattga  | cgatgggggt  | tagtttatta  | 924960 |
| aaatccataa  | atcgatagtc  | taccttataa | tattacaata  | gttcgttaaa  | aattagccca  | 925020 |
| gcctaagcgg  | ctctggcagt  | aaataaaatg | agttctttga  | aaagtttgtc  | aattaattgc  | 925080 |
| gtgtttggtt  | caatcccaga  | cacgcaaata | aatcgttcaa  | gcatgtaagc  | atttgttatg  | 925140 |
| actgacttgc  | atgatgatat  | ggaatatatt | attcccatct  | tcttacaggc  | agccttggcg  | 925200 |
| aggtttatcg  | ctgcaagtga  | tgcattaaag | tggaatgcc   | gtttcctgaa  | gtctgtagac  | 925260 |
| tgacagtttg  | ctattccggc  | atgttgcttg | gcatcccga   | agcagaattc  | gagttggaaa  | 925320 |
| cgtgttctgt  | aaaagtccag  | gacatcctgt | gcgttctgta  | tttcgtttgt  | agagaaatac  | 925380 |
| agctgccatt  | tgtccgttct  | tccatccatg | gggtaccata  | cagccaggct  | cacaaagcgt  | 925440 |
| ttgagtgcct  | tggagtatgc  | tttcagtcg  | taaagtttac  | ccttgttcac  | tttgtactcg  | 925500 |
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| ccgcgttttc  | ctgtcctatt  | ttctaagggt | ggataaaaca  | atacggcatc  | attcctgaag  | 925620 |
| cggcttatta  | cgtggaaacc  | gttatcgta  | aatggtttga  | tgaaagttgc  | ctttgaaaag  | 925680 |
| aacgcatcac  | acacgactgt  | gccagaaata | cgtttcagct  | gttcctgtat  | gctgataagg  | 925740 |
| taagagctgt  | accagtcaac  | aagattcctt | tcacagcttt  | ccagcgttgc  | gttgtcagggt | 925800 |
| gtctgtacag  | agcccaaagt  | catacattca | tggttgtcaa  | cgtctataac  | tccaataccg  | 925860 |
| gttattttcca | gtccacgttt  | gtattcaccg | gcacaaccgg  | accagaaata  | gccaatccac  | 925920 |
| ggcgttttgc  | tgctgattt   | tggaatgaaa | gacggatcaa  | cggctatcgc  | cttgcgacca  | 925980 |
| cctttaagggt | gttccctgat  | gatggcttca | ttgaaggaaa  | accagtcaaa  | gccgtcgttc  | 926040 |
| tcaaaaattgt | tgcggtatgt  | ctgttccgag | aaacatccat  | accgtcccat  | ttgtaggaaa  | 926100 |
| ttgatgcggt  | caggtatagc  | catgaataat | ttcattgcat  | ccatgaatac  | tttctgaaaa  | 926160 |
| gatttgctta  | tatttacagc  | tgattcgaga | gcgtttctgc  | actcggattg  | gtattgcata  | 926220 |
| aggagtgatt  | cttttagtcat | aattaaaagt | ggtgaagtac  | ttctaattta  | ctaaaaatca  | 926280 |
| gtgaattatg  | aaataactttt | tctgttgatt | ttcagctggt  | tagcatatct  | ttttcatccc  | 926340 |
| ttttcttact  | ccttgacgat  | ttattcttga | cagtatttca  | atgatctctt  | gaatataatt  | 926400 |
| ttgaaccgga  | ttatgccgat  | tctatgttta | attttaattt  | atcggtaaaa  | atttaccgaa  | 926460 |
| gtattgaata  | ttatataaag  | gaatctctga | caattttgtt  | caacgttcag  | agattcctta  | 926520 |
| gtcgtttttt  | ggaaattttat | ggcatgtatt | tgccgctttt  | cgctttccaa  | agagataatt  | 926580 |
| gtgagcttat  | aatgtttacgc | ctgtcttgaa | gatagcaatt  | tcgcggtaac  | ctttcttttc  | 926640 |
| attattttacc | cattctccac  | ttgtacctg  | aatgacataa  | tcgatgaagc  | gcttgcagggt | 926700 |
| tacagtcat   | ggttcgttct  | ctacgatcac | tccagcggtg  | aagtcaatcc  | atcccggctt  | 926760 |
| gtgagctgcc  | agacgagagt  | tcgtagatat | cttcattgtc  | ggtacataag  | ttccaaacgg  | 926820 |
| agtaccacgt  | ccggtagtga  | acaatatcat | gtggcaaccg  | catgaggcca  | gtgccgtagc  | 926880 |
| ggcaaccagg  | tcatttcccg  | gagcagaaa  | caggttcagt  | ccctttgtct  | gcaagcgttc  | 926940 |
| tccataaggc  | attactcccg  | atacgtagct | ctttccgcac  | ttctgggtgc  | atcccaatgc  | 927000 |
| tttttcttcc  | agtgtagaga  | tacctcctgc | cttattaccc  | ggtgacggat  | tttcacctac  | 927060 |
| aggctctccg  | tgtgaaagga  | aatattcctt | gaagtcgttg  | atgagatgta  | cggctcttttc | 927120 |
| aaacaattcc  | ggagttttgc  | aacggttcat | caggatagtt  | tctgcaccga  | acatttcagg  | 927180 |
| gacctcggtc  | aataccgatg  | ttcctccctg | tgcaatcagg  | aagtcggaga  | acattcccag  | 927240 |
| caaaggattt  | gccgtaatgc  | ccgagaatcc | gtcggaaacca | ccacatttca  | atccgacacg  | 927300 |
| aagttccgac  | aaaggatatgt | cggtagctac | atcttgtttg  | catttctgcat | acaagtcgcg  | 927360 |
| taagattttc  | atgccttcct  | caaactcatc | gtccaccttc  | tgagcaacca  | gaaatttaaat | 927420 |
| tctgtcttca  | tcgtacttgc  | cgataaattc | acggaagatg  | tcgggctgggt | tgttttcgca  | 927480 |
| tcccaaacct  | acgaccaata  | cggcacctgc | attgggggtga | agtaccatat  | cgcgaaagaat | 927540 |
| tttcttttga  | ttttcatggt  | catcgcccag | ctgagagcat  | ccgtagtgtg  | gcggaatgc   | 927600 |
| catgatagcg  | tcaatacctt  | cctccttcgt | ttcgcggcga  | agcgcgtcgg  | ccagctgatt  | 927660 |

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|              |            |             |             |             |             |        |
|--------------|------------|-------------|-------------|-------------|-------------|--------|
| tacgataccg   | tttacgcagc | ctactgtcgg  | tatgatccat  | atttcattgc  | ggatacctac  | 927720 |
| atcaccgttc   | ttgcggcgat | agcctttgaa  | ggtaagattt  | tcctgtggaa  | tgtccagcga  | 927780 |
| aacttctacc   | ggattgtatg | tgtaatccag  | cagtcctgcc  | agattagtct  | ttatttcttt  | 927840 |
| ttcacaaatc   | cagctacctt | gaggtagctt  | cttgatggcg  | tgtcctatag  | ggtaaccgta  | 927900 |
| tttgataatg   | ttatcacctt | cgttgaagtc  | ttgcagtgtt  | actttgtgtc  | cggctggaat  | 927960 |
| atcagttttt   | aaggttatcg | cctgtccgtc  | tacctgaatg  | gtttcaccag  | ccttcagggg  | 928020 |
| cgtaatggca   | acagcaacgt | tgtctgccgg  | gttgattttt  | agataagttg  | tttccataaa  | 928080 |
| ttatatattag  | ttattgtttg | tatgtgcgtt  | caagtagaag  | tcaatatattt | ctattgtcag  | 928140 |
| caggttgatg   | ggcatataat | tgcattcttt  | taccttcttc  | ttcaggataa  | gatggttgca  | 928200 |
| caggctttct   | atgctgtaat | atccttgccg  | tgtaggctgt  | tgcgagataa  | gaaaatcgat  | 928260 |
| tgttcctgcg   | cgcatgcatg | cgatgtttct  | gcttaacaag  | tcatatccta  | tcagggtggaa | 928320 |
| atcatggcgt   | tgatgtttca | gcatatattc  | accgatgatg  | taagatttcg  | agttgaatgt  | 928380 |
| gatgccatat   | gatatatcgg | ggtgcttttg  | gaagaaatca  | tccagtatgg  | attcgtcttc  | 928440 |
| tcccggctgc   | ttggcataaa | ggttcagttc  | ccgcattttc  | aggtcgggat  | gatgttcttt  | 928500 |
| catgtaagca   | tagaatcctt | cctcacggtg  | taactgctgg  | tttgagccca  | gtcgtccttc  | 928560 |
| gtttatctgc   | cggaagatga | taagtcctt   | gtttccctgc  | atcagcattt  | tcatcattcg  | 928620 |
| ggcggcaaaag  | tagccacttt | gattggcatg  | ctgtccgtaa  | aaagccagtg  | gtgtcaggcg  | 928680 |
| gggaatatattg | gagtctataa | atatataaag  | tatatccgt   | tgctggagtt  | gctttacaat  | 928740 |
| ctgttctgtt   | tccgtttcga | tagtaggaga  | gatgaccact  | ccgtccggtt  | ccatggcgag  | 928800 |
| caaccggttg   | ccagctgata | cgaatgaacc  | gaattcatac  | tggtcgtaat  | aatcaatatg  | 928860 |
| cagggagata   | ttgaaatcgg | agaaagcctt  | tgtggcctgt  | tgcatacctt  | tttccacatc  | 928920 |
| cacccaatag   | tgccttccg  | catgcatagg  | cagcaggcag  | gcaaatacat  | actttttgtt  | 928980 |
| tgaagccagt   | gcgctggcat | acatgttcgg  | ctgatagtca  | agttgtttca  | gtatatatttc | 929040 |
| tactttcttg   | cgacttgcc  | ccgaaacgcc  | cgtgcgtccg  | tgcaagactc  | tgtcgaccgt  | 929100 |
| accgacggaa   | acttccgcc  | tttgggcat   | gtcttttata  | cgaatacgcg  | ctgtttgttt  | 929160 |
| atctacattc   | tccatacctt | attaatatat  | aaaggtcttc  | cttttttggtg | aaaaattttt  | 929220 |
| tcgatacaaa   | tatataactt | ttttgttat   | ttaaaaaata  | actcgtacct  | ttgtgtacgt  | 929280 |
| gcacagagtg   | aatattgttt | atcaaaacac  | tcggattttca | agaaaatagt  | atccattttg  | 929340 |
| ttagacagat   | tatcaaactt | attataaata  | gcataaaaaat | tatctacaat  | gggaaaaatt  | 929400 |
| gttacttttag  | gtgagatcat | gttaagattg  | tcaactccgg  | gaaatacccg  | cttcgtacag  | 929460 |
| tctgatagct   | ttgatgttgt | atatggtggc  | ggcgaagcga  | atgttgctgt  | cagttgtgca  | 929520 |
| aactatggtc   | acgatgcata | cctcgtaca   | aagttgccga  | agcatgaaat  | cggtcagtcg  | 929580 |
| gcagtaaatg   | cactgcgtaa | gtatggcgtc  | aagaccgact  | atattgctcg  | tggcggcgat  | 929640 |
| cgtgtaggta   | tttattatct | ggaaacaggt  | gcttccatgc  | gtcccagcaa  | ggtgatttac  | 929700 |
| gaccgtgctc   | attctgcaat | cgctgaagca  | gatccttcag  | atttcgattt  | tgatgctatt  | 929760 |
| atggaaggcg   | cagactggtt | ccactggtcg  | ggcattactc  | cggctatctc  | tgataaagct  | 929820 |
| gccgagctga   | ccagactggc | ttgtgaggct  | gccaaacgtc  | atggagtaac  | agttttctgtt | 929880 |
| gacttgaact   | tccgtaagaa | actttggaca  | aaggaaaaag  | ctcagtctat  | catgcgtccg  | 929940 |
| ttgatgaaat   | acgtagacgt | ttgtatcgg   | aacgaagaag  | atgcagaact  | ctgtctgggt  | 930000 |
| ttcaaaccgg   | atgctgatgt | agaggaggga  | aaaactgacg  | ctgaaggcta  | caaaggtatc  | 930060 |
| tttacagcaa   | tggctaagga | attcggattc  | aaatatgttg  | tttctacttt  | gcgtgaatca  | 930120 |
| tactcggcaa   | ctcacaatgg | atggaaagca  | atgattttaca | atggagaaga  | attctatact  | 930180 |
| tctaaacatt   | atgatattga | tccgattatt  | gaccgtgtag  | gtggtggtga  | ctcatttctca | 930240 |
| ggtggtatta   | tccatggtct | gctgacaaag  | cctaaccaag  | gtgaggctct  | ggaatttgca  | 930300 |
| gtagctgctt   | ctgcattgaa | gcataccatc  | aacggcgact  | tcaatatggt  | ttcggtagaa  | 930360 |
| gaagttgagg   | cactggctgg | cggcgatgca  | agcggacgtg  | ttcagagata  | aattagcgta  | 930420 |
| taaagaaata   | ttggttataa | aataaaaaatg | gcaaaatttg  | ataaaatcgc  | tgtgttgaat  | 930480 |
| aaaatcgggtt  | caaccggcat | ggttcctgtt  | ttctatcaca  | aggatgtgga  | gattgcaaag  | 930540 |

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|-------------|-------------|-------------|-------------|-------------|-------------|--------|
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| gatttcgctc  | acgaagtatt  | tgctgaagtt  | gtgaagtttg  | cagcaaagga  | atgtccggaa  | 930660 |
| atggcaatgg  | gcgtaggttc  | tgtatcgat   | cctgctacgg  | ctgccttgta  | cattcagctg  | 930720 |
| ggagctaact  | tcgtggttg   | tccgttggtc  | aaccctgaga  | tagcaaaagt  | ttgcaaccgt  | 930780 |
| cgtttggttc  | cttatactcc  | gggctgcgga  | agcgtatcgg  | aagttggctt  | tgctcaggaa  | 930840 |
| ctgggatgcg  | acctttgcaa  | gattttcccg  | ggcgacgtac  | tgggtccgaa  | actggttaag  | 930900 |
| ggcatgcttg  | ctccgatgcc  | ttggtctaaa  | ctgatggtaa  | caggtggagt  | agaacctact  | 930960 |
| caggagaatc  | tgaccgcatg  | gattaaagct  | ggcgtattct  | gcgtaggaat  | gggttccaaa  | 931020 |
| ctcttcccga  | aagataaggt  | tgctgccgaa  | gactgggcct  | atgtgacaga  | aaaatgtaaa  | 931080 |
| gaagctctgg  | gttatatcgc  | agaagctcgt  | aaataataga  | gaacgaaaag  | ttcattttgt  | 931140 |
| ttaaagggtg  | ataaagcgag  | aagcatcgtg  | aagttataag  | agtatacttt  | gcgatgcttt  | 931200 |
| ctcgttttat  | atgccttttt  | cttttatgga  | ttgtacgact  | gtgcaggagg  | tggaaacagt  | 931260 |
| cgctcgggaga | tgattttcct  | ttcttgcgga  | agtgtccgga  | caaagtgttcg | catcattccc  | 931320 |
| gatatgtgtc  | gagacgtttt  | ttgaaaattt  | gtacaaacgt  | ttttattttt  | tgtacaaaaa  | 931380 |
| atatcgcaga  | tataccgacg  | ttgttcttgg  | aagatgctcc  | tccggtattc  | gtgatacgac  | 931440 |
| cttcttttct  | ggaagtatca  | ggaaatcagg  | agattttcga  | ccttatatac  | tataagaaaa  | 931500 |
| gcgtaagcaa  | cgggatggtt  | acgaccgaaa  | gcagcgtcgt  | gatgaacgta  | ccttgcgcca  | 931560 |
| tgatggtttc  | tcctttctca  | tactgaatgc  | agaacaaggt  | tccgtaagaa  | gctacgggca  | 931620 |
| tggcagccag  | tacgacgttg  | atgtcggcaa  | tggtggagtc  | aaccgpgcat  | aaccgcgaca  | 931680 |
| aatacaggat  | gaaaagagga  | acaataaaca  | ggcgtaaagc  | tgccgtaata  | tagatgctgg  | 931740 |
| aagtgccag   | catacgccgg  | ataggtatct  | gtgcgatgga  | agaaccgatg  | atgagcaggg  | 931800 |
| cagaaggaac  | ggtcatgttg  | cccagcagag  | tgaacggcgt  | actgattact  | ttgggtggaa  | 931860 |
| cccatccggt  | tgccactatc  | aagatggaaa  | ggtaagaggc  | tatcatggca  | gggcagtaca  | 931920 |
| gcgtttccca  | tttgaatttc  | atctttccct  | ggtcgcccga  | aatgaaaagt  | gtaccgaaaa  | 931980 |
| caaatatcag  | cagggtgctg  | ggaaaattga  | ggatgctggc  | atagaagacc  | gcgctggctc  | 932040 |
| cgaaaatgga  | agccacgata  | ggatatccga  | taaatcctac  | attcccgaaa  | gccagcatga  | 932100 |
| aactgtagat  | accgcggtcg  | cttaccttta  | cgggaaggta  | gcggggaagc  | aggaatccag  | 932160 |
| ctcctatcag  | tattacatag  | gtagcaaacc  | ctacaatcag  | caggggaagg  | atgagatgct  | 932220 |
| tgtcggggcag | tgtgtcgccc  | attaccgacg  | aaagtatcag  | gctgggacaa  | gcgatgttga  | 932280 |
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| catatccgac  | gactaccaga  | ataaagagga  | taatcatctg  | tgttacgatt  | gcattcatat  | 932400 |
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| gtccgttggt  | ccgcctgctt  | cttttgtttc  | caaaaataaa  | tccgatgag   | gccggaatcg  | 932520 |
| ttccgaagcc  | ttgtttatgt  | gaatattagt  | ttaaaaagtt  | ttccatatat  | ccatttttct  | 932580 |
| tataaaatttg | caacctaatt  | ttggggaggt  | tatacccgga  | taataaaaga  | agtaagataa  | 932640 |
| aaacaacata  | attatgagta  | aaaaattttac | tgaatattcg  | cagctcaacc  | tttctgacgt  | 932700 |
| gaacaaggaa  | gtgctgaaga  | aatgggatga  | aaacgatgtt  | ttctcccga   | gtatgacaga  | 932760 |
| acgtgagggg  | catccgtctt  | tcgtattcta  | cgaaggctct  | ccctctgcaa  | acggtatgcc  | 932820 |
| gggcattcac  | cacgtgatgg  | ctcgtaccat  | taaagatacg  | ttctgccgct  | tcaagacgat  | 932880 |
| gaaaggtttc  | caggtaaaac  | gtaaagcagg  | atgggatata  | cacggactgc  | cgggtggaact | 932940 |
| gggtgtagaa  | aaggcatttg  | gcattacaaa  | agaggatatc  | ggtaaaacga  | tttctgtggc  | 933000 |
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| gactcataag  | atgggttatt  | gggtagatct  | ggaaaaccct  | tatattactt  | acgataaccg  | 933120 |
| ttacattgaa  | acattgtggt  | ggctgcttaa  | acgtctttac  | ggcaaaggac  | tgctgtataa  | 933180 |
| aggatatact  | atccagccgt  | attcaccggc  | tgccgggtacc | ggattgagct  | cgcacgagtt  | 933240 |
| gaaccagccg  | ggatgttacc  | gcgacgtgaa  | ggatcttacg  | gtcgtagctc  | agtttaagat  | 933300 |
| gaagaacccg  | aagccggaaa  | tggctgaatg  | gggtacaccg  | tattttatcg  | catggaccac  | 933360 |
| aactccgtgg  | acattgcctt  | cgaataactgc | tctttgtgta  | ggcccgaaga  | ttgactacgt  | 933420 |



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| gttgcttttac | gctcattttca | acaagaaggc  | agaaggcatg  | gcgctggaag  | actacaaacc | 933540 |
| gggtgacaag  | ctgatttcctt | tcaagggtgt  | gggcgaatat  | aaaggtagag  | acctggtagg | 933600 |
| catggagtac  | gaacagctga  | ttccgtgggt  | aaaaccgggt  | gaaacaaccg  | aagacggagg | 933660 |
| ctggaaagag  | gcttcggcta  | aggcgttccg  | tgctattccg  | ggcgactatg  | taactaccga | 933720 |
| agatggtagc  | ggtatcgtag  | atatcgctcc  | tacttttggg  | gcggacgatg  | cgaacgtagc | 933780 |
| tcgtgcagca  | ggcattccgt  | cgctgttcat  | gatcaacaag  | aaagggtgaaa | cacgcccgat | 933840 |
| ggtggacctg  | accggtaaat  | tctattttgct | ggatgaactg  | gatgaggcat  | tcgtaaaaga | 933900 |
| atgtgtagat  | gtagaaaaat  | acaaggaata  | tcagggacgc  | tgggtaaaga  | acgcatacga | 933960 |
| cccgcagttt  | actattgatg  | gaaaatacga  | cgaaaagggt  | gctcaggctg  | ctgaatcgct | 934020 |
| cgatgtatac  | atctgcatga  | tgctgaagca  | ggcaggctctg | gcattcaaga  | tggagaagca | 934080 |
| tgtgcacaat  | tatccgcact  | gctggcgtag  | agacaagccg  | gtgctttact  | atccgctcga | 934140 |
| cagctgggttc | atccgttcta  | cggcttgcaa  | ggaccgtatg  | atcgagttga  | acaagactat | 934200 |
| caactggaag  | ccggaatcta  | cgggtagcgg  | acgttttggc  | aaatggctgg  | aaaacctgaa | 934260 |
| cgactggaac  | ttgagccgtt  | cgcgttactg  | gggtactccg  | cttcctatct  | ggcgcagcga | 934320 |
| agaaggcgaa  | gaaatctgca  | tcggttcggg  | agaggaactg  | tacaatgaaa  | ttgaaaagtc | 934380 |
| tggttgctgcc | ggattcatga  | ccgaaaatcc  | gtacaagaaa  | ctaggctttg  | taccgggtgt | 934440 |
| atatacaaaa  | gaaaactacg  | ataatattga  | cttgcaccgt  | ccgtatgtag  | acgatattgt | 934500 |
| tctggtttct  | gccagcggca  | agccgatgaa  | gcgtgaaagc  | gacctgatag  | acgtatgggt | 934560 |
| cgattcgggt  | gccatgcctt  | atgctcagtt  | gcactatccg  | ttcgaaaaca  | aggagctgat | 934620 |
| cgacagtcac  | tcttattatc  | ctgccgattt  | cattgcagaa  | ggtgtagacc  | agactcgtgg | 934680 |
| atggttcttt  | acacttcacg  | caatcgcaac  | aatggcattc  | gacagcgtgg  | cttacaagaa | 934740 |
| cgttattttcc | aacgggtctg  | tactcgacaa  | gaacggcaac  | aagatgtcaa  | aacgtctggg | 934800 |
| taatgcagtc  | gatccattcg  | gcgctatcga  | gaaattcggg  | tccgaccctg  | tgcgctggta | 934860 |
| catgataacc  | aactcatcgc  | cgtgggacaa  | cctgaaattc  | gataccgatg  | gggtagacga | 934920 |
| agtacgccgt  | aagttcttcg  | gtacattgta  | taatacttat  | tcgttctttg  | cattgtatgc | 934980 |
| aaatgtcgac  | ggatttacat  | acgcggaagc  | tgatgttccg  | gtagcagaac  | gtccggaaat | 935040 |
| cgaccgctgg  | atcttgtctt  | tgctcaactc  | gctgatcaag  | aatgtggatg  | cttgcttcaa | 935100 |
| tgattacgaa  | ccgacaaagg  | ctggacgtct  | gattacagac  | ttcgtaaacg  | acaacctgag | 935160 |
| taactggtac  | gttcgtctga  | accgtaagcg  | tttctgggga  | agcagcatgt  | cgaccgacaa | 935220 |
| gctttctgct  | taccgactc   | tttatacttg  | cttggaacg   | gttgccaaac  | tgatggctcc | 935280 |
| gattgctccg  | ttctatgcag  | atcgtctgta  | catggacctg  | ataggtgtaa  | ccggacgtga | 935340 |
| cagtgtggta  | tctgttcacc  | tggttaactt  | cccgttgcc   | gacgaaagcc  | tgatcgatac | 935400 |
| agagcttgag  | gcacgtatgc  | agatggcaca  | ggatgtgact  | tccatggtac  | tggcgctgcg | 935460 |
| tcgtaagggt  | aacatcaagg  | ttcgtcagcc  | gctgcagtgt  | atcatgattc  | cggtagtggg | 935520 |
| tgaagaacaa  | aaacgtcata  | tcgatgcagt  | aaaagacctt  | atcatgaccg  | aagtaaactg | 935580 |
| gaaggaagtc  | cgttttgtag  | aaggagcttc  | cggtgtactc  | gtgaagaagg  | taaaatgcga | 935640 |
| cttcaagaag  | ctgggtccga  | aattcggcaa  | acagatgaag  | gctgtagctg  | ctgctgtagc | 935700 |
| aggcatgagc  | caggaagcta  | ttgccgaact  | ggaaaagaat  | ggcaaatata  | cgttccagct | 935760 |
| cgacggtgga  | gaagccgtag  | tagaagctgc  | cgatgtggaa  | atcttcagcg  | aagatatacc | 935820 |
| gggctggctg  | gttgccaatg  | aaggtaagct  | gacagtagct  | ctggaagtaa  | ctgtaacaga | 935880 |
| cgatctgaaa  | cgcgaaggta  | tcgcccgtag  | actggtgaac  | agaatccaga  | acatccgtaa | 935940 |
| gagcagtggt  | ttcgaaatta  | cggataagat  | cagcattgta  | ttgtcgaaaa  | atcctaacac | 936000 |
| ggatgatgca  | gtgaacgaat  | ataatactta  | tattttgtaac | caagtattgg  | caaattcact | 936060 |
| gacactggcc  | gatgaagttg  | ctgacggtag  | agaattgagt  | tttgatgact  | tctcacttta | 936120 |
| tgtgaagggt  | accaaattgt  | gatattgaac  | ccataaggat  | gtaatacgct  | gcatgacttc | 936180 |
| tggcagaaa   | cttttcttga  | agctggtagt  | tgtgcagcga  | atttcaggcc  | ttagactatt | 936240 |
| attaactttt  | aaataacttaa | tcttatggct  | gaaaaaacaa  | gatatttctga | cgctgaactc | 936300 |

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| ctgaagagca  | gtataatgaa  | tgctgacgg  | aatgatactg  | acgatacatc  | acctacttac | 936420 |
| aagggttttg  | aagaggggtgc | caatacgtta | tcgaaggaag  | aaacaacccg  | tctggctgct | 936480 |
| cggcaactga  | agtttattca  | aaatttgcgt | gctgcgttgg  | tacgtatcga  | gaacaagacg | 936540 |
| tatggcattt  | gccgtgaaac  | aggaaagctt | attcctgcgg  | aaagactgcg  | tgccgtacct | 936600 |
| catgctactc  | tgagtatcga  | ggctaaacag | catggcaaga  | aataatttga  | tgatagattt | 936660 |
| gtcattcaga  | caggcaagaa  | ggaggatata | gaccctgaat  | gtgcttgtct  | gagtgacaaa | 936720 |
| tatgttaatg  | aatataggtta | tttatgaaga | aatttttgac  | acaaggacgg  | ctggcggcct | 936780 |
| tgattgtttt  | tgctgtactg  | ttgattgata | aggtaataaa  | gatattggata | aagactcaca | 936840 |
| tgtatctgca  | tgaaaatatc  | catgtgactg | attgggtttta | catctatttt  | acggagaata | 936900 |
| atggaatggc  | tttcgggtatg | gaagtgcctc | cgaactgttt  | tcttaccttg  | tttcgtatcg | 936960 |
| tagctgtgg   | actgattacc  | tggtatctgc | ataaaataac  | gactcagaag  | accaagttag | 937020 |
| aaaccgggtta | cgtcgtgtgt  | ctggcgttta | tccttgccgg  | agctatcgga  | aatattatcg | 937080 |
| attgtgtgtg  | ctatggagag  | atcttcagtg | agagtacgca  | ctatcagatt  | gcacgtggg  | 937140 |
| ttccggtagg  | tcagggctat  | gccgactggc | ttcacggcag  | ggtagtggat  | atgttttatt | 937200 |
| tccccattat  | cgatacatc   | tggccggaat | ggatgccttt  | ctgtggcggg  | gaacgtttca | 937260 |
| ttttcttcag  | tcctatcttc  | aattttgccg | atgcttccat  | cagttgcggc  | attatctgct | 937320 |
| tgctaataatt | ttacagtagt  | tatctgggta | agggtgcaca  | tccgaaagat  | tccaaagtag | 937380 |
| tgaaatgatg  | aaaaaacaga  | ctggttggtt | gtgggttgcg  | gcgctgctgg  | ctggaatggc | 937440 |
| aagctgtggc  | aaaaagattc  | cggacgatat | cattcagccg  | gatgctatgg  | agagtctggt | 937500 |
| gtacgattat  | catctggcct  | ctaccatgag | caattcgcgt  | tcgtatacgg  | aaaattataa | 937560 |
| gaaggatgct  | tattataagt  | atgtcttcga | aaagcatcat  | gtcacagagg  | aagagtccga | 937620 |
| ctcgtcgatg  | gtatggtata  | cacgtaacag | cgaccagtgt  | gctactatct  | ataagaactt | 937680 |
| gcagaagcgt  | tatgaaagtg  | aggagagcca | catgaaagta  | caggtggcca  | aacgtgacaa | 937740 |
| ccagatagac  | gtttccatgt  | cgggtgatac | ggtggatgta  | tggcaggacc  | gtaccttgta | 937800 |
| ctggctttcg  | gcttcggaac  | tgacaaacaa | gctggtgttc  | gatctgaagg  | cagatacgac | 937860 |
| gttcaagcct  | cacgatgcc   | tggaactgac | tgctattttc  | catttcattg  | cgaagaaagg | 937920 |
| ccgtatctcg  | ggcaaggctg  | taatggcgct | taattttctat | ttcgataatg  | atagtataca | 937980 |
| gggccttacg  | cgtctgatca  | gcaattcggg | aagacagcgc  | ctgtatgtgc  | gtgccgattc | 938040 |
| agctttcacg  | attcgcagta  | tcagtggatt | tgtgtattac  | atggacgaaa  | agaatccgga | 938100 |
| aaccagtgtg  | ctggttgaca  | acattcgtct | gacacgttac  | cataacatgc  | aggtggaaaa | 938160 |
| ggtagagtcc  | gatacgattc  | cacggataga | aactccggct  | gagcagccga  | aggaattgcc | 938220 |
| caaaccgctg  | gagcagaaag  | tcgggatgga | tgagaaagtg  | caaattccagc | ccatgcgaaa | 938280 |
| aatggaaaac  | cgaaaatgaa  | acggtttgca | acgcatagag  | tgtatagctt  | actcacggca | 938340 |
| gaaataaaat  | cttttcaagt  | actggaactc | gatgaagatg  | gcggtgtgag  | taagctttat | 938400 |
| ccgtttagg   | aggaaatatg  | tgctaccgaa | tggttccgg   | gacttgtaat  | tctttctcca | 938460 |
| gttccggtac  | agagagttaa  | tgcagaatgc | ttttccgatt  | tcagaaaacg  | gatgcaggag | 938520 |
| gctgtgttta  | ctcactactgt | attgcgtgca | tactgggtgc  | atccggttaa  | tgtttcagcc | 938580 |
| atggagtgtg  | tgaaagacag  | ccggtattct | cccttaaagt  | gaaggttcga  | aggctgctct | 938640 |
| ccgtcgggaat | tcggcacaga  | caatggcagt | tgctactgct  | acattcagcg  | attcactcgt | 938700 |
| ttcacatcct  | tgccgatagt  | tggggataag | caggcgggtg  | ctgacttttc  | tggcaatctg | 938760 |
| ttcactgatg  | ccgttgccct  | cgtttcccat | gacgatgatt  | ccgttttttg  | gaagatgctg | 938820 |
| ggtatagatg  | ttttctccgt  | cgaggaaagt | tccgaaaaca  | ggtatgttct  | tttcagaggc | 938880 |
| gtttccaatg  | aattcaggta  | aattgcagta | atgcagtttg  | acccgggcaa  | tggctcccat | 938940 |
| ggtagcctgt  | acggtcttgg  | ggttgtaa   | gtcggctgtt  | ccgttcgaac  | agaatatatg | 939000 |
| ctcgatacca  | aaccagtcgg  | caatgcggac | aatcgttccc  | aggtttccgg  | gatcttgtac | 939060 |
| gtcgtccagt  | gccagacaga  | ggcttcggct | tgctacatcc  | gcgtcaaagt  | cataatgagg | 939120 |
| ctgctcaaaa  | atcgccagta  | cttctgtgtg | cgttttcagc  | agacttgccc  | gtgaaagctc | 939180 |

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| ttccgttgcc | agtataaggc  | ggcatgagaa | atgaccgatt  | aagtcgccga  | ccagtttggt  | 939300 |
| tccttctgcc | aaaaagactt  | gttcttcttt | tcggttcttt  | tttagttcca  | gcgagcggat  | 939360 |
| atatttaatc | ttgtttttgc  | ttagcatggg | cttttgtgta  | taaaataaca  | aatattcact  | 939420 |
| gacaaagcta | agaagatatt  | tttaattatt | acctatcttt  | gcagataaat  | ctgcatattc  | 939480 |
| cggcttggtt | taaaatgaag  | aaaacgactc | ttttacatat  | ttgtcttatg  | agtgttggtc  | 939540 |
| tgtgctagc  | aggatgttct  | gtcagcaa   | ttatccccga  | aggaagctat  | ttgttggtatg | 939600 |
| atgtgaagat | tgagtcggac  | aataaagaga | tcaagtcac   | tgaaatgaac  | ctgtatgtac  | 939660 |
| gccagactcc | gaacgcaaaa  | tggtttagtc | tgtttcgttt  | ccctatgtat  | atttacagt   | 939720 |
| cttcgggatt | ggattctacg  | aagtggatca | ataagctttg  | gcggaaactg  | ggagatgcgc  | 939780 |
| ctgtagttta | cagtcgggat  | gctgctcgtg | aaacacagga  | ggaaatagaa  | aaggctgtac  | 939840 |
| gcaatatggg | atatatgggt  | gcggtagtcg | acctgaaaga  | agaaagtaag  | gggaagcgca  | 939900 |
| tgaagggttt | gtatgatatc  | cactcgggag | caccttacgt  | gattgatcac  | atctcttacg  | 939960 |
| acattgctga | ttatcaaata  | cgtgattttc | tggaaccga   | ttcatccaga  | acgttggtgc  | 940020 |
| acgagggaa  | gcgtttcgat  | gtaaatacgc | ttgatgaaga  | gcggcagcgc  | attaccaggt  | 940080 |
| atgtgcaaaa | cagaggctat  | tatcgtttca | ataaagattt  | tattacgttt  | caggcagata  | 940140 |
| ctatgctgaa | tacgcataag  | gtggggctta | cgctggagtt  | ggctccgttt  | cgtattcgta  | 940200 |
| aagaagatac | tccgacacct  | catcgtcagt | ataagatacg  | gaatgtaaac  | tatgtactgg  | 940260 |
| atgctgattt | ttcagctctg  | tcggcagaag | ctcttcataga | attcgattca  | atacgttcgg  | 940320 |
| gtgatgtcaa | cttgttttat  | aaggataaac | tgtttttgcg  | tccgaaagt   | ttgtctgact  | 940380 |
| ataacttcct | gactcccggg  | cggctgtaca | gaagcagggg  | tgtgcagaat  | acatactcat  | 940440 |
| cgtcgggacg | tttgtctatt  | ttgaaatatt | cgaatattcg  | tttcgatgaa  | gtgctggaaa  | 940500 |
| atgattctgc | ctatctggat  | gcttatgtga | tgctgtcag   | aaacaagaat  | aaatctttgt  | 940560 |
| cgtttgaggt | ggaaggtagc  | aactcggccg | gcgacttggt  | agctgcggct  | tcggtgtcgt  | 940620 |
| ttacgcacgc | taacctgttt  | aagggttccg | aaacctttac  | cataaagtta  | agaggtgctt  | 940680 |
| acgaagctgt | aactggactg  | gaagggtata | ccaacagcaa  | ctacatggag  | tatggtgtag  | 940740 |
| aaagcagctt | gaattttcct  | gaattcatgt | ttccgttcct  | ttcatctgat  | tttaaaaggc  | 940800 |
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| aacgtacttt | ggcatctgcc  | ggatggagtt | atcgtcggac  | acgtcgggga  | agggcgaacc  | 940920 |
| atcgtttcga | cttattggat  | atcaactata | tctatatgcc  | gtataacttcg | cctaccttcg  | 940980 |
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| tgtttatcgt | acgtttgggg  | tatacttata | cgtataatag  | cgctggtgga  | aacaggcctt  | 941100 |
| ctgccaggaa | ccggaattct  | tattctgtgc | gattcaatat  | agaggaaagt  | ggaaacctat  | 941160 |
| tgtatgcatt | ttcgcgtctg  | gtcaataaga | gccctcgata  | tggggaggca  | tacaagttgg  | 941220 |
| ctaacattga | ttttgcacaa  | tatgtaaagg | cggatatcga  | ttatgcgaag  | aattttgtaa  | 941280 |
| tcgatgaacg | taattcattt  | gttttccatg | ccgggctggg  | agtagctgtt  | ccttatggaa  | 941340 |
| actccaagag | tttgccctttc | gaaaaattat | atcttctcggg | aggtgccaac  | agtgtgcgtg  | 941400 |
| gatggcgtgt | ccgttcttta  | ggtcccgttt | cttatcgcgg  | cgacggaaat  | acaatagatt  | 941460 |
| atgtgaatca | tacgggagat  | attaagcttg | acttgaacct  | ggagtatcgt  | actttcctgt  | 941520 |
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| tcaaacgtga | ctttgctttc  | cattttgcag | tgggatattc  | gttttaataca | ttataatatg  | 941820 |
| gaagaaagaa | aaatttataa  | gaaagaggaa | ctgaaggcgt  | tgcgtgaatg  | gtttgccagc  | 941880 |
| cagaacttgc | ctcagtcctt  | gcaggtagat | aaagcaacct  | atattcctaa  | tctgaaggaa  | 941940 |
| acagtggagc | gtctgttcaa  | tcaggcagaa | gtttgttttg  | aaaatccgaa  | gatgcaaggc  | 942000 |
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| agtaatctga  | ctttatctgg  | agaggaaaga | ctcaagtgcg  | agggcatctt | tttgaatttg  | 942180 |
| tgcttaaaaag | cccgcgaata  | ttcgcggcgg | taattccaaa  | tacagccaaa | caatagtggc  | 942240 |
| gaaaagggaa  | gatggggcct  | ccatttcctc | ttttcgccac  | tgtagttagt | tggtataagc  | 942300 |
| gttgataaac  | aattattttt  | gttctttaag | tgctgctaaa  | gctgcttcat | agttgggctc  | 942360 |
| ctgagtaatt  | tccggaacta  | attcgggtga | gataatcttt  | ccttcgggt  | tgacgattac  | 942420 |
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| tgtacagaag  | cgtccctgtg  | cgaagggcaa | atctttcag   | atggccagaa | caactgtatt  | 942600 |
| ttccatctcg  | gcagccagtt  | tggtgaactt | gcggacagat  | gcagcacaaa | cgccgggtatc | 942660 |
| catacttgga  | aatatattca  | gcagtgcata | tttccctttg  | atatcatctt | gagtaaacga  | 942720 |
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| acctgccaat  | gaaacaggag  | ttccctgaaa | tgctgttttt  | gccatgatta | ctttcattta  | 942840 |
| aatgtttctg  | tgaatataac  | aaatattttg | ttgtaatgtt  | tagataaaga | gcctttttta  | 942900 |
| tctttttcgt  | tgaacttgt   | cgtttttttc | ttttactttg  | caaactgaaa | aattttcaga  | 942960 |
| aaacagatat  | tgaagtaaaa  | tgaacgagg  | tttaaaagac  | tatgccttac | tcgctttgaa  | 943020 |
| gggtatgagt  | atgggagcag  | ccgatgtggt | tcccggagta  | tcaggaggaa | caatagcggt  | 943080 |
| tatagtaggt  | atttacgacg  | agctaattga | gtcaataaag  | agtatcaatg | cccaaagttt  | 943140 |
| gaaaatgttt  | tttaccggaa  | ggtggagagc | cttttggaag  | atgataaatg | gtaatttctt  | 943200 |
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| gactggcctt  | atgttaggg   | cattgaataa | ggtgtggccg  | tggaagaaga | ccgttgaaac  | 943740 |
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| aggcagacaa  | atattactca  | tcttctgtct | tgactcgtg   | aaagtgcatt | tcctgttccg  | 944160 |
| ccttttccc   | tgaaaatgca  | aaatatgtac | atacgccctg  | ggtacagact | tcgcccgcct  | 944220 |
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| gtagtgtcaa  | tacactgtcg  | gttgatgtga | ctggtttcag  | gtagcgggtt | tccatctttg  | 944340 |
| aggtaacacc  | ggctgtttgt  | agcttacgca | taattaccca  | tccgcagact | tcgtcgagca  | 944400 |
| ataccgcttg  | aatgcctccg  | tcgagcgtat | tgagccaacc  | ctgatacttg | ccgtccggat  | 944460 |
| gccagaagct  | cacgatttca  | tctccatctt | cgtaaaattc  | catttgcaaa | cctgaagggt  | 944520 |
| tttgaggagc  | acaaccgaaa  | caattgtatc | cttccactcc  | gctccaggga | ttgattatct  | 944580 |
| ttttcatttt  | cgtgtcagat  | ttctaaaaaa | cataatccgt  | acaggcacga | tcctgttttag | 944640 |
| cttctttcag  | aatgccggca  | gctgctacgt | gtgccggatg  | tatggcatag | gcttttacgt  | 944700 |
| cgtctagtgt  | atcgaattca  | ctttccagac | agatgtccca  | tttctcatcg | gaattaatat  | 944760 |
| tcagacctac  | aaagattttg  | cgaatgcttg | gtattgtggc  | aggcaaagcc | tcgattgctg  | 944820 |
| ccttgaagtc  | gttcatgacg  | tgctgttttt | cttctgttga  | aaggctttct | ttcagtttaa  | 944880 |
| ataaaaacaat | gtgcttgacc  | atagttgttt | atattatgaa  | ttatcgtaaa | tttgtataga  | 944940 |

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|             |            |            |             |            |            |        |
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| tgcaaatata  | taactattta | ttgaaacatt | gcgtatgata  | atcattggaa | ttgcaggagg | 945000 |
| tacaggctcc  | ggtaaaacaa | ctgtagtaaa | aagtattatt  | gatagcttgt | ctgccgacga | 945060 |
| ggtagcttta  | cttccgttgg | attcttatta | taatgacagc  | agtcacgttc | cggttgagct | 945120 |
| gcggcaaaagc | attaatttcg | atcatccgaa | tgctttcgat  | tgggatttgt | tgacgaagca | 945180 |
| tgtagccatg  | ctgcgaggg  | gagaagcaat | agaacagcct  | atttacgatt | tccttacttg | 945240 |
| tacccgtcag  | aaggaaacct | tacatgtaga | gcctcgtaag  | gttatcatta | ttgaaggtat | 945300 |
| ccttgcatg   | agtgaacagg | agttgtgcaa | gcagatggat  | ttgaagatat | ttgtggatgc | 945360 |
| agatccccgat | gaacgtttga | ttcgtgtaat | gcagcgtgat  | gtcgttgagc | gaggacgtat | 945420 |
| ggcggaggcg  | gttatggatc | gctacatgaa | agtgttgaaa  | ccgatgcatc | aagagttcat | 945480 |
| tgaaccggct  | aagcgggatg | ccgatctgat | tattcctcaa  | ggtggatata | atagaaaggc | 945540 |
| catagaaata  | ttgaagatgt | atatcgaaaa | aattgtagga  | cgatgaaaca | gtcccgtatt | 945600 |
| ttctgggtcg  | tactgtgctt | gagtctgctg | tgtttttctt  | gtcattccc  | gaaagataca | 945660 |
| gtggatgggtg | aggttactgt | cgatttgcct | gaaataatgg  | aaagaggaga | gctggttgtt | 945720 |
| cttacggcca  | acagctccac | ttcttatttt | aattaccg    | gggaaccgat | ggggttccag | 945780 |
| tacgaactgg  | cgcaacagtt | tgcacgttca | ctcggctga   | agctgaaact | gaaggtcgta | 945840 |
| aataaccctt  | cggaaatggt | tcactgcctg | ttgaaaggag  | aaggcgacct | gattgcttac | 945900 |
| aatcttgaca  | taaccaatgc | ttggaaagac | agtctgattt  | actgcggcga | agagaatatt | 945960 |
| actcatcagg  | ttatcgtgca | gcgtagagga | aaggatgcat  | tgaaagatgt | aaccagctc  | 946020 |
| cccggaaagg  | agatttatac | gacccccgga | aaatactatg  | accgcttgat | gaacttgaa  | 946080 |
| agcgagctgg  | gaggaggtat | aactatccat | aaagtgtgtg  | ccgacagcgt | gtcggaaaga | 946140 |
| aatctgatta  | cctgggtagc | cgaaggaaa  | atagactata  | ccgtagcaac | aaacgaaata | 946200 |
| gcgaagataa  | accgtaccta | ttatccgaat | cttgatatcg  | gattggttat | cagtttcgac | 946260 |
| cagcgttcat  | catggggcgt | acgtaaaaca | tccgtcttgc  | ttgcagaagc | ggccgacaaa | 946320 |
| tggcatcggg  | aaaatatcaa | ctcttctgag | tttagagcga  | gtgcccggcg | ttattttgaa | 946380 |
| ttgaacaaac  | gtacgactca | cggttctatc | ctttcgttga  | aggatggaaa | gatttctcat | 946440 |
| tatgatgatt  | tattccgaaa | gtatgctaaa | gaaataggct  | gggactggcg | tatgctggca | 946500 |
| tcgctggtct  | ataccgaatc | gaatttcgac | cccaatgtca  | tatcgtgggc | gggggcacgc | 946560 |
| ggcctgatgc  | agctcatgcc | cgcaacggca | catgctatgg  | gaatgcctgt | aggaaaggaa | 946620 |
| agcgatccgg  | aagaaagtat | caaagcaggc | gtaaagtaca  | tagcccgtct | gcagcaaata | 946680 |
| ttttccaagg  | ttcccgataa | agaagaacgc | aataagttcg  | tactggctgc | atacaatgcc | 946740 |
| ggggtagggc  | atataaccga | tgccatggca | ctggcagaaa  | agtatggcag | gaaccgttat | 946800 |
| ttatgggatc  | atcacgtaga | tcattatata | ttgttgaa    | gcaatgaaga | atattatcag | 946860 |
| gatccggtgt  | gcaagaatgg | ttatttcaga | ggaacggaaa  | cttacaattt | tgtgcgtgaa | 946920 |
| gtggtagagc  | gtgccgaaga | gtataagaaa | aaaataaagc  | actgacaatt | catgtaatcg | 946980 |
| gattccccgat | gtttcattca | tcctttaata | aaaacctgaa  | gaaataatac | agccagatca | 947040 |
| gtgcgtgtcc  | agttgaccgt | agcactatct | gtcaggaaaa  | agaaagccgg | tcttttctcc | 947100 |
| atgaaaaagg  | tgagtagata | ccttttgtgg | aaaaagacca  | gcttgtgcta | cgtgaaaatg | 947160 |
| aatattgctt  | tacttaaaca | tttctatgat | tttattcagc  | tcgtttgctt | ctatgacacc | 947220 |
| gctttgacgc  | catagctgtt | tcccattctt | aaaaatcatg  | agcgttggaa | cagaggatat | 947280 |
| tgcataatgt  | tgtgctatat | tcagggtttt | gtctatatcg  | atttttatga | ttcgcagtga | 947340 |
| atcgccctgc  | acatctttta | cctttttcag | tattccggctc | attattttgc | aaggcatgca | 947400 |
| ccattctg    | aaaacatcca | ccagcacggg | agtgggcgat  | aatattaagt | cggcaaacgt | 947460 |
| ttccataaga  | tcttcttctc | taaaatagta | taaatatctt  | ttcttctata | taatttataa | 947520 |
| caatccactt  | tctgagattg | ttcaagaaac | gagcaaaaaa  | atatcgattt | gttatttttc | 947580 |
| gaagataaga  | cttttattct | gaagtttata | ggtatgataa  | tgtagatgaa | acgatgacat | 947640 |
| tacacggagc  | gtaagccgga | aatttgcata | attcatgact  | tcggggaaga | gtttcagtct | 947700 |
| ggctggcatc  | acagctcagt | ttataaaaaa | agccctgccg  | tttctgttca | tacggcaggg | 947760 |
| cttgaattaa  | taaaggtttt | aaaattattt | cttgcttgat  | gcagggttat | agcgggcatt | 947820 |

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|             |            |             |            |             |             |        |
|-------------|------------|-------------|------------|-------------|-------------|--------|
| cagtccgtct  | acgatttcct | gagtaatatt  | gaatgcaggg | tcagcataca  | gcaagttgtc  | 947880 |
| gaaaccagtg  | ttgctgatga | tcagactgta  | acccttgtct | ttattgtaag  | ttttcaggaa  | 947940 |
| agagttgata  | gaatcacgca | actgcaagct  | gatttttttg | ttttctgcct  | gcaattcgct  | 948000 |
| ggtcagcttt  | tcctgcaact | gctgcaagtc  | acgctgtttc | tggctgatac  | gcaaattttc  | 948060 |
| ctgttcagca  | cgttcgcggc | tggcgaaacc  | attgttttcc | agtttgcgct  | ggaattctct  | 948120 |
| catttcctga  | tccagttcct | tagccttttc  | gttcagtgtg | gtacgaatgt  | tttcttcctt  | 948180 |
| ctgaatcatc  | atttcgttca | ggtcattcca  | gtaacgatat | ttagtcagca  | gagaatcgat  | 948240 |
| ttccacgtaa  | gctatcttca | tgttgaccgg  | accaccact  | acagccggag  | ttgagggtact | 948300 |
| tttgtcattt  | gccttggtgt | cagtacattg  | tgtaaacatc | agcaccagag  | ccagtgcgat  | 948360 |
| taatccgtta  | aggatatgct | tcatactttt  | cataatgttt | ttagtatctt  | agttattaat  | 948420 |
| tgttttttctg | gtttccgctt | ccggatgcct  | gcgttctgct | atggcggtgcg | ggttcacttg  | 948480 |
| ctgtgcttcc  | ctgtcctgcg | actgcacaca  | tccgatacct | ctttttctca  | tagctttact  | 948540 |
| tccactaacg  | tgcgtgttag | ggaaacgtcc  | gttcttctta | aagagtatct  | ttaccgataa  | 948600 |
| tagtgctatg  | cagatagcaa | ctattaacat  | tgttataagg | atagtcttga  | gcatttctat  | 948660 |
| taattttgtg  | gtgcaaatat | aatctttttg  | tcaccgattt | gctcttttctg | gtggggaaaa  | 948720 |
| aagaggttac  | ttgccccgtt | aatatgtgtt  | tttaacttat | ttttacggat  | gataaaacaa  | 948780 |
| ataaataaac  | attgtatgga | aaaaaaagat  | ttgcaacctg | ctgttgtctt  | ccattatttt  | 948840 |
| gaggaagtat  | gtcaggtacc | gcgtccttcg  | aagaaggaag | aaaaaatcag  | agcatatctg  | 948900 |
| cttgagtttg  | ccaaaaaaca | tggctcttgct | gccaagacag | acgaagctgg  | caatgtcttg  | 948960 |
| attgagaaac  | cggcttctgc | tggcaaggaa  | aacttgaaga | cagttgtcct  | tcagtcgcac  | 949020 |
| atggatatgg  | tatgcgagaa | gaataaagat  | acagaacata | atttcgaaac  | cgacccaata  | 949080 |
| caaacttatg  | tcgacggaga | atggttgaga  | gcgaagggtg | ctacactggg  | agccgacaac  | 949140 |
| ggaattggta  | ttgctaccca | gcttgccgta  | ctggcttcag | aggatatcga  | gcacggaccg  | 949200 |
| atacagtgtc  | tgtttaccgt | cgacgaagaa  | actggtttta | cagggtgcctt | tgccttgaaa  | 949260 |
| gaaggattta  | tgaatggcga | catcctgatt  | aatctcgatt | cggaagatga  | aggcgaattg  | 949320 |
| ttcatcggat  | gtgccggtgg | agcaggtagt  | accgcacagt | tcccttgtcc  | gatgacggct  | 949380 |
| gctcccgaag  | gatacttctt | cttccgtgtg  | gctgtaaaag | gtcttacggg  | tggacattcg  | 949440 |
| ggcgtatgata | tcaataagaa | ccgtgccaat  | gccaacaagc | tgttgaaccg  | tttcttggtt  | 949500 |
| cagctgatgg  | agaaatacga | tttgctgtctg | tgcgagatag | atggaggtaa  | cctgcacaat  | 949560 |
| gccattcctc  | gcgaggcaca | tgccgtttgt  | gctgtcccga | tgaaggataa  | ggagtcggta  | 949620 |
| cgtgtcgcact | tgaacgtata | cttgtcggaa  | gtagaaaatg | agttcgcggg  | aacagagccg  | 949680 |
| aaccttggtta | tggaactcga | atcggagagt  | cctcgtgcag | aagtcattgga | gcaggaggct  | 949740 |
| atgaagaagt  | tccttctttc | cctctatgcc  | gtacacaatg | gtgtgtatgc  | catgagccag  | 949800 |
| gatattccgg  | gactggtaga | aacttcttcc  | aatctggctt | cagtcaagca  | gcgtgacggc  | 949860 |
| aagatcgtag  | tcgtaaccag | ccagcgcagt  | tccatccttt | cttcacgcaa  | ggacatgtcg  | 949920 |
| cagatggtag  | ctgctgcctt | cctgctgggc  | ggtgcggagg | ttacaaccgg  | cgacggttat  | 949980 |
| ccgggatgga  | agcctaattc | gaattctgaa  | gtactgcaa  | ttgctgtaga  | aagctataag  | 950040 |
| cgtctgtttg  | ctacagagcc | gaagatcaaa  | gctattcacg | ccggactgga  | gtgcggtttg  | 950100 |
| ttcctcgaga  | aatatccgtc | actcgacatg  | gtttcgttcg | gtcctacgct  | gcgtggcggt  | 950160 |
| cattcacccg  | acgaacgcat | gcttatccct  | acagtcgata | agttctggcg  | ccacttgctc  | 950220 |
| gatgtactgg  | cacatattcc | agtaaaggca  | taatgagcct | tttatgtaaa  | atattattag  | 950280 |
| ggtttgctgc  | ctgcctcaca | gcgcttgact  | gcggggcaca | gcaaaccctt  | cgtgttatgg  | 950340 |
| aatacaatgt  | ggagaatctg | ttcgactgtc  | gtcacgacac | gctgaagcac  | gattctgaat  | 950400 |
| accttcctca  | tgctacccga | ggctggaact  | ggaaacgtta | tcacgaaaag  | ctgaaccgga  | 950460 |
| tagccaaggt  | gatactggct | gccagcggtg  | aacaggtgcc | cgatctgggt  | ggactttgcg  | 950520 |
| agggtgaaaa  | tgcttattgt | ctggacggac  | tggtaaaata | ttctccgctt  | cgggatgcag  | 950580 |
| cctaccgcta  | cgtgatgacc | gattcgcccg  | atgaacgggg | aattgacgtg  | gcacttctgt  | 950640 |
| accagccttc  | ctctttccgg | ctgatagcag  | agcagcatat | ccgcatttct  | tctcacgagc  | 950700 |

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| tgaagcgtaa  | gcccaccgcg | gatatcctgc  | atgtggcagg  | caggggtactc | tccggtgata  | 950760 |
| cgctcgaagt  | ctttgtctgt | cacatgccct  | cgcgctcggg  | aggtgagaaa  | ctgagtgaac  | 950820 |
| cctaccgtct  | gtttaccgca | cgcatactgc  | gccatgcggc  | agattctgtc  | atgaaaatcc  | 950880 |
| gtcgtacacc  | ttaccttatt | ataataggcg  | atttcaacga  | ctatcccga   | agccgttctg  | 950940 |
| tttgtcagac  | gctgggtgcc | ggaaaacctg  | gaaaggatat  | ccattccttt  | aacttgtata  | 951000 |
| atttgatgaa  | cggaagcaa  | ggaggtacct  | accggtaccg  | tggcgagtgg  | ggtatcctcg  | 951060 |
| atcagctcat  | tctgaatgg  | acctttctca  | aacagcaagg  | aaaccttacc  | acgtctaacg  | 951120 |
| accgagcccc  | cattcttacc | tttcttttcc  | tgctggaaga  | agatgaaaac  | tatggaggcg  | 951180 |
| acaagccttt  | ccgtacctac | aacggcatga  | aataccacgg  | cgggtatagc  | gatcatctgc  | 951240 |
| ctgtctgcct  | cgatatagaa | cttaaagtgc  | cagccccata  | atatagtcgt  | tcatgtaata  | 951300 |
| gccgttcccc  | atcgggaaat | caccttcgcg  | cactttcttc  | attcccatgt  | gttcgtaaaa  | 951360 |
| tcccaaagcc  | ggattattgc | ggttcacatt  | cagttccatg  | cggcacggag  | ctggatgaag  | 951420 |
| ttccttgatg  | ccttttatag | cctgctggaa  | cagttgcttg  | cccagatggg  | acttctgata  | 951480 |
| atagggaatg  | acgtaaactc | tttcgagggt  | aaacaaatcc  | ttgtcctcct  | gacggatgga  | 951540 |
| aacatatcct  | gccgcctcac | attcctcgta  | ggcaatataa  | taagtgtgtc  | cttcttcctt  | 951600 |
| catctgcttg  | tgcaggttct | cgatggaata  | catccagtcc  | atcatgtatt  | ctatctgttc  | 951660 |
| gtgagtaaga  | atattcttgt | acgtttcggg  | aaatacattc  | caggccagtt  | tgtttatcag  | 951720 |
| cggaatgtcg  | gctgtagttg | ctttctttat  | tataaacata  | gttttgagta  | tttatatttt  | 951780 |
| gttcctctac  | aaaaataaag | ttttccggct  | gtcgtttttc  | gtctgataga  | ttctattttg  | 951840 |
| ttaaataattg | taaataaata | gtactatgca  | atacaaggta  | tttatataat  | gcctatatatt | 951900 |
| gtgctataca  | aaataaggag | gaacaagatg  | aatgtcgata  | acgtaaaatc  | tcaaatgcgc  | 951960 |
| aaaggaatgc  | ttgaatactg | catcctgttg  | ttgtctgcatc | gtgagccttc  | gtatgcttca  | 952020 |
| gatattattc  | tgaatctgaa | agaggcgaag  | ctgatagtgg  | tggaagggtac | actttatcca  | 952080 |
| ctgcttacc   | gcctgaagaa | cgacgacttg  | ttgtcgtacg  | agtgggtgga  | gtctacgcag  | 952140 |
| ggacctcccc  | gcaagtatta | tcgtctgaca  | ccgaaggggg  | aagaatttct  | ggccggacta  | 952200 |
| cagctggcgt  | gggacgaact | ggcggatacg  | gtaaatcatt  | taagaactaa  | acttttaatt  | 952260 |
| tcgaaatcac  | atgaaaaaga | cactgactgt  | taatttaggg  | ggcactgtat  | atcatattga  | 952320 |
| tgaagatgcc  | tacaacctgc | tcgataatta  | tctgaacaat  | ctccgttatc  | atttccgtaa  | 952380 |
| ggaagaagga  | gccgacgaga | ttgtacgcga  | tatggaacc   | cgtattgccg  | aactgttcga  | 952440 |
| tgaatatatc  | cgtaccggat | tgcaagtcac  | cacggtggaa  | caggtggagg  | cggtcattgc  | 952500 |
| gcgtatggga  | aatcccgagg | acttgaatac  | ggatgacgat  | gaggaaaaga  | aagaaacaga  | 952560 |
| acagcatgtc  | tatggcaatg | gacctgctcg  | ccgtctgttc  | cgtaatcctg  | acgaccgtat  | 952620 |
| actgggtggg  | gtgctttccg | gactttcggc  | ttatttcggc  | tgggatgtga  | cgtggatacg  | 952680 |
| tatcgggtcg  | ctggtgcttg | gctgttttgt  | tcacggactg  | attctggctt  | atctgatagc  | 952740 |
| ttggatcatt  | attccgctgg | caaagacggc  | tacggaaaag  | ctacagatgc  | gcggcgaacc  | 952800 |
| tatcaacatg  | gagaatatcg | gacgtaccgt  | aaccgagggg  | ttcgataagg  | taaatgacta  | 952860 |
| tgtacattcc  | gaaaaacccc | gttctttttt  | gcaccagtgt  | ggtaatgcta  | ttgtcaagat  | 952920 |
| agccggattc  | atcatcaagt | ttgtgctggg  | tctattggct  | atctgcctga  | caccggtgtt  | 952980 |
| gcttgtcggg  | ctggttgtat | tgtttgccct  | gctgatggcg  | gctacaggaa  | tgcttgccag  | 953040 |
| cgtgcctgcc  | gtgctgtatt | actccatgcc  | tgatgtagac  | tggagcctga  | taggctcttc  | 953100 |
| ctcttctgcg  | gtcatcgggc | tgtcgatatg  | cggactgttt  | gtcgtaggta  | ttccgattat  | 953160 |
| cgggctcttg  | cagctcatat | tgcagagctt  | caacgtatgg  | aaaccgatgt  | cgactactac  | 953220 |
| aaaagtgatt  | cttaccttgg | tatggtttat  | ttcactgggtg | gtaggattta  | tcttcttgtt  | 953280 |
| taatacttcc  | tttatacaag | gtccgatttg  | gtggctctaa  | aaaacaatat  | gactatgaaa  | 953340 |
| acaattttta  | caagatttat | cgggtgccttg | attttgggcaa | ccggttttac  | ttcctgtgtc  | 953400 |
| tgggcagggtg | gtaagggaga | acagattaca  | gagaaacgga  | atgtatccgg  | attttcttcc  | 953460 |
| attgagataa  | agagtgtggg | acttgtctat  | ttcacacagg  | catccgattt  | ctcgtgttcc  | 953520 |
| atagaagggg  | aagagggaca | tgtgaaaaat  | attacgacaa  | gcgtagaggg  | aaacacgctg  | 953580 |

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|             |             |             |             |             |             |        |
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| aaggtcagtt  | atcacaagaa  | gctgaaaaat  | gataagaacg  | gaaccatcat  | ccgtatttct  | 953640 |
| gctcccgact  | tgaagcgact  | tgacttcagc  | ggagtgggct  | ccttcaatat  | cgacggcaag  | 953700 |
| gtagatgtac  | aagatctgga  | tgtggatttt  | cgcggcgtcg  | gtgagttcaa  | tgtgaaggac  | 953760 |
| ttgcattgcc  | gtaaggcgga  | attcgatctg  | agcggcgtcg  | gtgaggtaaa  | catcaacctc  | 953820 |
| aactgtgaag  | aggttcgtgc  | cgatgtgaat  | ggcataggtt  | ctgctacttt  | taccggaacc  | 953880 |
| gcgcggatgg  | cttctttcca  | tcgggggtga  | ataggggagc  | tcaatacgca  | aggaatgaaa  | 953940 |
| ataggcaaat  | aacaagtgtc  | atacgctgta  | ttccagcatt  | ttgtaaaaac  | atgcccgcga  | 954000 |
| gtgtttcaaa  | acgtgggcat  | gtttttttta  | ttcgtgcccg  | tgtttcttca  | aattttgtcg  | 954060 |
| gacgtttttt  | tattttttgt  | acaaaacatt  | ttgttttttg  | tacaaaaaat  | caatagtctg  | 954120 |
| ttaaaaaatta | gcccagccta  | agcggctctg  | gcagtaaata  | aaatgagttc  | tttgaaaagt  | 954180 |
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| caggcagcct  | tggcgaggtt  | tatcgttgca  | agtgatgcat  | taaagtggaa  | tgccagtttc  | 954360 |
| ctgaagtctg  | tagactgaca  | gtttgctatt  | ccggcatgtt  | gcttggcatc  | ccgaaagcag  | 954420 |
| aattcgagtt  | ggaaacgtgt  | tctgtaaaag  | tccaggacat  | cctgtgcgtt  | ctgtatttctg | 954480 |
| tttgtagaga  | aatacagctg  | ccatttgtcc  | gttcttccat  | ccatggggta  | ccatacagcc  | 954540 |
| aggctcacia  | agcgtttgag  | tgctttggag  | tatgctttca  | gtccgtaaag  | tttacccttg  | 954600 |
| ttcactttgt  | actcgggtaca | tcttgtgatg  | tccagatttt  | caaagtcaat  | tttctcgtca  | 954660 |
| tgtaattttg  | gacgtccgcg  | ttttcctgtc  | ctattttcta  | aggtgggata  | aaacaatacg  | 954720 |
| gcacatttcc  | tgaacggct   | tattacgtgg  | aaaccgttat  | cgtacaatgg  | tttgatgaaa  | 954780 |
| gttgcccttg  | aaaagaacgc  | atcacacacg  | actgtgccag  | aaatacgttt  | cagctgtttc  | 954840 |
| tgtatgctga  | taaggttaaga | gctgtaccag  | tcaacaagat  | tcttctcaca  | gctttccagc  | 954900 |
| gttgcgcttg  | caggtgtctg  | tacagagccc  | aaagtcatac  | attcatgggt  | gtcaacgtct  | 954960 |
| ataactccaa  | taccggttat  | ttccagtcca  | cgtttgtatt  | caccgggcaca | accggaccag  | 955020 |
| aaatagccaa  | tccacggcgt  | tttgctgcct  | gattttggaa  | tgaaagacgg  | atcaacggct  | 955080 |
| atcgcccttg  | gaccaccttt  | aaggtgttcc  | ctgatgatgg  | cttcattgaa  | ggaaaaccag  | 955140 |
| tcaaagccgt  | cgttctcaaa  | attgttgctg  | tatgtctgtt  | ccgagaaaca  | tccataccgt  | 955200 |
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| aatactttct  | gaaaagattt  | gcttatattt  | acagctgatt  | cgagagcggt  | tctgcactcg  | 955320 |
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| atttactaaa  | aatcagtgaa  | ttatgaaata  | ctttttctgt  | tgattttcag  | ctgttttagca | 955440 |
| tatctttttc  | atcccttttc  | ttactccttg  | acgattttatt | cttgacagta  | tttcaatgat  | 955500 |
| ctcttgaata  | taattttgaa  | ccggattatg  | ccgattctat  | gtttaatttt  | aattttatcg  | 955560 |
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| ttattattat  | ttgttgttct  | tcgcacaatc  | tctcggcaga  | attccgtatc  | tttgctgaaa  | 955680 |
| agaaaaatagg | attaactggt  | aagatatgac  | taagaaaata  | cttttgctgg  | gttccggcga  | 955740 |
| attaggaaaa  | gagtttgtga  | ttgctgctca  | acgtctggga  | cagtacatta  | tcgcatgtga  | 955800 |
| ttcgtatgca  | ggtgctccc   | ccatgcaggt  | ggccgatgct  | tgtgaggtat  | ttaatatgtt  | 955860 |
| ggatggtgat  | gcactcgacc  | gtgtggtaga  | gaaatatcat  | ccgatatta   | tcgtgcccga  | 955920 |
| aattgaggct  | atccgtaccg  | agcgtcttta  | tcatttgag   | aaagaaggta  | ttcaggtagt  | 955980 |
| gccgagtgcc  | cgtgccgtaa  | actttacgat  | gaaccgtaag  | gctatccgtg  | accttgacgc  | 956040 |
| caagggaactg | ggtttgaaga  | ctgcgaaata  | ttattatgcc  | aaatcgctgg  | acgaactgaa  | 956100 |
| agaggctgct  | gaaaagattg  | gttatccgtg  | tgtaatcaaa  | ccgctgatgt  | cttcatcagg  | 956160 |
| taagggacag  | tcggttgcta  | aaggttctga  | agatctggaa  | tattcatggg  | cgtacggatg  | 956220 |
| tgaaggcagc  | cgtggtgaca  | tcaaagagct  | catcgctcgaa | gagtttatca  | agttcgatag  | 956280 |
| tgaaatcact  | ttgctgacgg  | ttactcagaa  | gaatggctct  | acattgttct  | gcccgcctat  | 956340 |
| cggacatgta  | cagaaagggt  | gcgactatcg  | tgaaagtttc  | cagcctgcac  | acattgctcc  | 956400 |
| cgaacacctt  | gccgaagctc  | agagaatggc  | agcaaaggta  | acagaagctt  | tgactgggtta | 956460 |



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|            |            |             |            |             |             |        |
|------------|------------|-------------|------------|-------------|-------------|--------|
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| ttctccgcgt | ccgcacgata | cgggtatggt  | aacgcttgcc | aacacacaga  | acctgaacga  | 956580 |
| gtttgaactt | catctgtatg | ctatcttggg  | attgcctatt | ccgggtatta  | cgcaggaaca  | 956640 |
| tatcggtgct | agtgccgtta | tcctgtcgcc  | gattgccagc | aaggaagcac  | cgcgttaccg  | 956700 |
| tggcgaagaa | ctggtttgct | cgcagcctaa  | tacgtatctg | cgtattttcg  | gaaagccttt  | 956760 |
| taccaaactg | aaccgccgta | tgggggtagt  | ggtatgctac | gataaagtag  | atggtgatct  | 956820 |
| ggatgctttg | cgcgacaagt | gtaaggcttt  | ggctggcaaa | gtggaagttt  | attgatcaaa  | 956880 |
| aataaataga | gaatagttaa | tatggcccgt  | tgcaggggca | aaaagtaggg  | aggctgatgt  | 956940 |
| aatcatcggc | ctccttttat | tcttttcgca  | aaagactgaa | ttcttggttt  | taagcataac  | 957000 |
| tgtgcatacc | tcccataatg | aaattgactc  | cgaagtaggt | gattagtaca  | ctgagaaaagg | 957060 |
| ctattatggt | aaaccaatgg | aagaacattg  | agcgttgaaa | gtacggaagg  | gagaaaaggg  | 957120 |
| gcagggctgt | ggcataaacc | agcaaggtaa  | tgagtgccca | tacctccttg  | gggtcccatc  | 957180 |
| cccagtatct | tccccacgaa | acattcgccc  | atatagctcc | aataaaaaata | ccggttgcca  | 957240 |
| gcaggaatac | ggcaggatac | aatatgaggt  | gactgatgac | ttgcagccgg  | ataatctgtt  | 957300 |
| cgttacagtc | tgtacgtgtg | tggtagagga  | cgacggctgt | catgccgttc  | agcatgataa  | 957360 |
| atgccagcag | tgagtacgat | agcatgatgg  | ttactacatg | gatgcttaaa  | agaggggagg  | 957420 |
| caagcaccgg | cataagttgg | gtgacaggtg  | ggtttgcttc | gccaagcatg  | gcgaccagca  | 957480 |
| gggtgagtcc | gcacaagata | tagccgaatg  | aaatagccag | ttggaacttc  | ctgtatagga  | 957540 |
| aaaaagttag | tagaatgctg | cataaggaca  | taagctgcat | ggtttcgtat  | ccgttcgaca  | 957600 |
| ttggcagatg | tccgctgatg | aaccctctga  | ggctgataag | tacaagaaga  | tatatgccga  | 957660 |
| taatacctag | aatggcaagt | agtaaacagc  | ttattttggg | cgaatcagta  | tgttcgctta  | 957720 |
| tcaactttcg | gcaatagaag | agataagaaa  | gcataccgac | agtcaggcag  | agcatggcaa  | 957780 |
| gcggacgggt | aaaatccatt | tcgttatata  | gtatttcggc | acgaaattgt  | gcattcgaag  | 957840 |
| gcaggaatcc | ccgtgcttct | ttcttctggt  | atatcctggt | tttctcgatg  | agtgtatcaa  | 957900 |
| tggcttcata | ttcatggtga | gcagtccttt  | cggcaagcag | attcatgctg  | tagcggataa  | 957960 |
| aagcccattg | ttcgtggggg | atagatatgg  | gtaactcgtc | ggttaacgag  | taccataccg  | 958020 |
| gctgtttttc | atttttatca | cggaacggat  | agagcttgaa | gaggctaccg  | ttgcaagcca  | 958080 |
| tacttatcag | gtcgaatttt | tcgttagctt  | cttctatggc | acgtaattct  | ttggctgtaa  | 958140 |
| tttcagcata | tgagattttg | tcgagcttat  | agccggtgga | atttgcaaaa  | tcggcaagac  | 958200 |
| atgcatattt | ccctttcact | cccagtatgt  | tttgtacatt | tttgtccttg  | atgagaatga  | 958260 |
| cgggctcctg | cttccattgc | tcgtaataga  | agaaccatcc | agtcagaatt  | tgttcgggag  | 958320 |
| taaagtcttt | ataagttagg | cgaccataga  | gtttggtcgt | aaattccttg  | gcgagtgttt  | 958380 |
| gcaggggaca | gatacggttg | ttgtaatata  | cgtagagttg | cccaaacttg  | ccggctgttt  | 958440 |
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| gcaggcaagc | caccgttcgt | ttcagactcg  | ggtggtgaag | cagcttgccg  | aagtaactgt  | 958560 |
| gtctgtcgaa | aaagaatccg | atgaatgcca  | gcagcagagc | aatatatccg  | gtataagtga  | 958620 |
| gtgcaatgcc | ataagggtcg | caagtgaccg  | aaaaagtgtc | tccttgctgg  | tctgcatcgt  | 958680 |
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| ctgtcagtg  | cgtatcaccg | tcgtgaatat  | ttagtatact | gacgaaatcc  | atcggagcaa  | 958800 |
| atgtcccttg | ataataggct | agttcaaaact | gttttagtga | tacgccaaaa  | ggaaagtctg  | 958860 |
| ctgtctgtcc | gtcgtttgtg | gtgaatgttg  | tcaccggatt | ggcccttggt  | cgcagggtgga | 958920 |
| cgttccctg  | tatcccccaa | agatgtgtgg  | tcagtgtctc | cgataaatatg | agaatgaatg  | 958980 |
| ccagatgtag | ggcacaagtg | gcttttcttc  | ttttgagatg | gcgcttgacg  | atgtaggcaa  | 959040 |
| gagagagtat | ggttgctgct | atccaaagcc  | caataaaaaa | aagcgagctg  | taaataatagg | 959100 |
| tctcggaac  | ttttattccg | tacagttttc  | cggcaattgt | tcgggctgcc  | ataataagaa  | 959160 |
| tgagaattcc | ccatagggaa | aaggttat    | tctttaatgt | atttgcatt   | ctgtatgctg  | 959220 |
| ttttacgtgg | cgtaaagatg | aaggactaaa  | gtaaacattt | accacagatt  | acacaatttg  | 959280 |
| tcagatcata | aatttggtat | cctttttggc  | tgttgaggac | agttgagact  | gtatattcca  | 959340 |

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| tgctggaaaa  | gccggacat   | gttttttagat | ggaatcaatg  | aatttcacga  | tgcatcacg  | 959460 |
| ctcttctttc  | gagagattac  | ggaatttttc  | tacagtcag   | cgggcatcgc  | tctttttatt | 959520 |
| tccatgccac  | atgattgctt  | cgatgacgtt  | tcgtgcacgg  | ttgtcgtgca  | ggcggtcggc | 959580 |
| agtagaagag  | cctgtacaca  | tctgatgcag  | tccgcgtccc  | caaagaggag  | tagtacggca | 959640 |
| ccatccggta  | cggatatcgt  | tttccatgtg  | aagtttatgc  | tgtaccaggt  | cagaataagg | 959700 |
| ccagattgtc  | tggttcggat  | accggggaag  | acggttgtct  | cccttgga    | aaaatccgtt | 959760 |
| cggtcgttaa  | aaagtatcat  | ctcccgtttt  | ccatgacgga  | cgatgacaat  | atgcacatcc | 959820 |
| tatctgtgtg  | aagagttcct  | ttcccctttt  | gacatcagca  | tcgtcgtatg  | tgcatcggc  | 959880 |
| agggacggca  | agtcctctat  | gccataccat  | gaaatcaata  | aaatcttcgt  | catccatttc | 959940 |
| cacatccagt  | tccttggacg  | ttaaataatgc | ggcaatagcc  | tttgccactt  | gctccttgct | 960000 |
| cgaatagtca  | ttggcgtgcc  | aactggggtg  | atttttcttg  | ggatcggctt  | cttcaatata | 960060 |
| agcctgatag  | ccggcttgta  | cctccgggtc  | gttggcagat  | gcctttacc   | acgaacttcc | 960120 |
| tccatataca  | gtcttgctct  | ctcccctctg  | gttggcaag   | taagtgtcga  | gataatgata | 960180 |
| gcggcgggtg  | ctgcgagtta  | cattggtgat  | gttccacatg  | gcattggcac  | ctgccgcac  | 960240 |
| ttgcagcggg  | ccgcgggtca  | aggcatacgt  | aaatctgaac  | ggatggagct  | ctcctttgtc | 960300 |
| ggcaaagtcc  | ggattgacat  | ctgtagcctt  | ggtgttgctg  | tactgcttta  | cccattctcc | 960360 |
| atttttgaag  | aatgcctcgt  | tcaagccatt  | tttcatgtag  | ccgtctttct  | cttctttggc | 960420 |
| atattgcgct  | ttcaagtctt  | catctgtgat  | ggcatccagc  | aggccggtag  | cgtaaatccc | 960480 |
| gatcgtagac  | tccagcagga  | ctttataatt  | accagacta   | ctgatgatgc  | cttcgttttt | 960540 |
| ggcatagact  | gcgtctggcg  | cgagagtcac  | ctcaggatat  | tccagatcgt  | aactctcacc | 960600 |
| atcgggaaac  | ttgttgcccc  | actcgtcggg  | atattttttc  | cattcgataa  | tgactttgct | 960660 |
| ttcgtccagc  | ggggctttga  | agggctgggt  | ggcatgtccc  | tgtggcattc  | cggtcagcca | 960720 |
| gcttacataa  | ccatctgttt  | caggattgta  | gacaaccagc  | agacatccgt  | ttccgatagt | 960780 |
| tgctgcttga  | aaggctcctg  | acgcattacg  | cttgccgtgt  | ccgtatccc   | gatgacaatg | 960840 |
| aatacatgaa  | cttcgtacgt  | aggctggacc  | caatcctttg  | cgtacaccgg  | tatgattggt | 960900 |
| catatacatt  | ttttcaaaca  | gttgctctcc  | gttttttaaat | cgttggctca  | tttcttcgct | 960960 |
| tgattcgaca  | ggttcgggtg  | gttgctcgaa  | agcattagag  | gtggttaagat | aagaagttcc | 961020 |
| taactgtccg  | ccggcatagt  | accattccgg  | cttttcgcta  | ttgccggagg  | aatctgatgt | 961080 |
| tgtagtctga  | ttttcgttgt  | cactgcacgc  | ggtcatgaca  | ctggcgatac  | ataaaaaatg | 961140 |
| tatcagatga  | aaagtctttg  | tcttcatatt  | tgcaatagat  | gttgattggt  | gttcaaaccg | 961200 |
| ttgtagccat  | cttgaccag   | atggctttta  | aatttttttc  | tggcccgaga  | cgactgcgtg | 961260 |
| gaagtatttg  | atattttaaa  | agagaaattt  | ctccggttat  | tttaaaagag  | ccttgtttgc | 961320 |
| tttatccaat  | gcggtagaca  | attggcttag  | ggattcgatg  | gcagcgtctg  | cttctgctcc | 961380 |
| ggttgcgttt  | ttggcaaaag  | gttccgggtat | ggcttgattt  | ttggttaattg | cttcatcaat | 961440 |
| caaggctttt  | acttcagtat  | cggtagacgg  | gtcgtatgga  | gcaatgtaag  | cactgacaga | 961500 |
| tgctcgcgtt  | tttgttccat  | cgtatcctat  | accttcgtat  | gcatttttta  | cgcttttaat | 961560 |
| attgtcaaca  | aaatcgacta  | ctgaatttaa  | tgctgtagga  | gattcgatat  | agttcttgct | 961620 |
| atcggctgtc  | tgacctgagt  | tcgggcggcc  | gattttctgc  | gtgcagacct  | catctacaat | 961680 |
| gtcgatacac  | ccttgaatca  | gttcttgctg  | agcaacagta  | tagctggtag  | atgtgcttcc | 961740 |
| tccttgctcg  | gcagcttcca  | tacttgtagc  | gtaatcgaat  | gtgggttcct  | gttccgtttc | 961800 |
| ggtaagaatc  | tcctgttttt  | gagttgttac  | gttctccata  | cctgcccacg  | atgcttccag | 961860 |
| acgaatacac  | tgattgcgca  | agtcttgggc  | aacccttgcc  | atgtaaatca  | tgtggttggt | 961920 |
| agttatatatt | accacttgct  | cgctgtagtt  | gtacgttttc  | tcaaaatctc  | ttggctcacg | 961980 |
| atgagaatca  | tcggtcagtt  | ggaacaaaat  | atattccagc  | gcatgatagc  | ccaaaagtcc | 962040 |
| atatcccaga  | ttgcttgtag  | tgtaatcaaa  | atcaccggct  | cctatggcat  | ccatcatttt | 962100 |
| ctggttattc  | agcagattat  | ccagagctac  | ttggtccaga  | ggccacgaat  | caatgtgagg | 962160 |
| gtcgtatgta  | taatctcctg  | cggcaccgaa  | cagaaaagct  | tcgtctcaact | cccatgcttt | 962220 |

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| tcgtgattct  | gtccagtact  | cacatgcttc | ggctacatat  | tctgtagctt  | tctttttgtc  | 962280 |
| tccgcttaaa  | taagcttcct  | ttgcgcttgt | acaggcttcg  | ctcatcagta  | tagcttcgtc  | 962340 |
| tgccattgct  | ttataggtgg  | caataactgt | attgtctaca  | tagggtaaaa  | tagcttcttt  | 962400 |
| cagagcttgt  | tcttcgtttg  | acagtccttc | ggaattacta  | ctttcattgt  | tgctcgtcact | 962460 |
| acaggaaaac  | atgcttggtg  | ctgtcatggc | acttatagcc  | atgcaaagag  | atagtttaaa  | 962520 |
| aaacttggtc  | atagctttta  | tcttttttga | ttattatttt  | gtgataattg  | tttgctcgaa  | 962580 |
| agttattttg  | taaaaagtcc  | ggcataggct | acgcctaccg  | atatagacgg  | ctcgttggtg  | 962640 |
| taaggacttc  | tcatcagccc  | gatggaatat | tctcctttta  | ctacgatgtc  | atgaatagga  | 962700 |
| tagtagttca  | atcccgcgtc  | gatacgatta | cgcccgcaga  | atctgtaaat  | aggggtactg  | 962760 |
| gtcttggtgca | tggagtcgta  | atagtcgtaa | cggccgaaga  | catacagttt  | ctgtcctttc  | 962820 |
| tcattcaact  | tttcgatttg  | ggagaataca | ttataacctg  | cttcgatacc  | ggcagcaatg  | 962880 |
| gcagcttcgg  | ccacgttctg  | ttgaggtgac | ggagagttgt  | tgctcatctt  | tttattgact  | 962940 |
| tctgtaaatc  | tgctggcatc  | actcaggtga | ccgtaatcga  | agttaccgcg  | gacaatccag  | 963000 |
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| tacttctcac  | tgctcttata  | atcgtttagc | gaattgttga  | atgagttgcc  | ggcataaccg  | 963120 |
| ctgaccgaca  | gacgcaaacc  | tttgacggaa | taattgtcga  | tgcgaaagc   | tccggctacg  | 963180 |
| gagttaccaa  | tcttaaattc  | atatgggctg | ccggcaccgc  | cttgatatcca | gttcaaacga  | 963240 |
| ttaaaacggt  | cggagtctag  | ccccggtacc | agcaatactt  | catagcgcca  | gtcgcctgtc  | 963300 |
| tgccccata   | agctgatgcc  | cgtttcgtgc | caggtacaag  | gaaggatggg  | gttttctccc  | 963360 |
| tctggacgat  | agactccgaa  | gaactcagtt | ggcagatgat  | gctggttcgt  | tcctcccacc  | 963420 |
| ggaacgatga  | tatgtcctaa  | tttgatattg | aactccggac  | aatggacttt  | ctgaatccaa  | 963480 |
| aattgttcca  | gtgcaacttc  | tccgccacgt | tccacttcac  | tttcgtattc  | acccgcttcc  | 963540 |
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| attgtccatc  | cgtgtccgaa  | atcataattc | agggaaagta  | ccacatgtgg  | caggtcgaag  | 963660 |
| cgtccgtgcg  | actctccttt  | gtagacgctt | gggtcttttg  | ctgtatagcg  | gatataattta | 963720 |
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| ccaccttttt  | ctgtcttcag  | gatggaacgc | ctttcagctt  | tcatttcctt  | ttccgtttct  | 963840 |
| tcgttgctgc  | tactcatttt  | ttcgacttcg | tttgctgcaa  | agccatgggt  | gctcattgct  | 963900 |
| gcaaaacaaa  | gcgagaataa  | aacctttttg | cttttcattt  | attcttttct  | tttgttttatt | 963960 |
| tttaacaagg  | gcaaaggtag  | gatacgtgct | ttgtagcatc  | aatacctatt  | agtttagtaaa | 964020 |
| aaaaagtgtg  | taaaataccta | gtagtaggta | tacttggttt  | taacttttgcg | gcaaattttgt | 964080 |
| tttaaatggt  | tatagaaatg  | gaagaatacc | gatttgacga  | cctgacgatc  | aaagagcatt  | 964140 |
| tggtgctgct  | ggcgagaggg  | ggaacaaaat | cgtttaccga  | gagtcctgaac | cccggcggtg  | 964200 |
| agcatgtttt  | aggaatccgg  | attccggact | tgctcaact   | ggcaaagcag  | atttcccgtg  | 964260 |
| cgaactggga  | agaataacctg | cttacggccg | attcttttta  | catggaggag  | cgtatgctgc  | 964320 |
| aaggatgggt  | gctgggatac  | atcaggcccc | atgacgatgt  | ggaatactat  | ttgcatcgtg  | 964380 |
| tgacttgctt  | cgtatggatt  | atcaacagct | ggtcgggtgtg | cgacacgttc  | aagtttgagg  | 964440 |
| gcgggaaaaa  | gttcgtcgaa  | gacaataagg | agcgcttggtg | gacttatctt  | gtggactgga  | 964500 |
| tgcatgcacg  | gggagaatac  | gagattcggt | tcggagtggt  | gatgagcatg  | cagcttttca  | 964560 |
| tcgacgagga  | acatatcgga  | caattgctga | aagaatacga  | tgctatccgt  | cacgatggat  | 964620 |
| attatgtgaa  | gatggctgtg  | gcatgggcct | tgctcggtttg | ctttgtgaag  | ttccccgaac  | 964680 |
| tgaccatgca  | gtacctgaaa  | caaaatacgc | tgagcagattt | tacatacaat  | aaggcggttac | 964740 |
| agaaaataac  | ggaatcgat   | cgggtagatg | ctgaaaccaa  | gcagctcatc  | cggcagatga  | 964800 |
| aaagacctgc  | tgcccataaa  | tcggcaagat | ataatggtcg  | cacagagagc  | aagttggatg  | 964860 |
| aatagcttgc  | tgctgtgtcg  | acattgtttt | attcatgatg  | gtacggaccg  | ttgttcaaga  | 964920 |
| tggtcatggc  | acgatagagc  | tgttccacga | aaatcagtcg  | gatcatctga  | tgcgagaagg  | 964980 |
| tcattttcga  | taaggaaaac  | ttctcctgag | ccgcggtata  | tacggcaggc  | gagaagccgt  | 965040 |
| aaggtcctcc  | gatgatgaat  | accagccgct | tgcttaccgt  | atgcattctg  | cgttctatcc  | 965100 |

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| tcaggctttt  | ggtattcttg | agctctggga | tgacttctat | gtcgaagag   | atataatgtt | 965280 |
| tcgtacgctc  | cgcgtaatcg | tttatggcgg | tgatgtaatg | tttttctact  | gtccgtccga | 965340 |
| caacaagtaa  | cgtaaatttc | attttctgtc | tggttttgat | tttaatcatt  | ttgcaaagat | 965400 |
| aaggattatc  | cttacctttg | ccagtaagaa | aacgtattta | aaatcataaa  | taagatggat | 965460 |
| gaaaaagtag  | ttaaggattt | gatcgatcgc | ctgatcgact | tgctgtttgc  | agaagatatt | 965520 |
| ggcgacggcg  | accataccac | cttgtcgtgt | attcctgccg | atgctatggg  | aaaatcgaaa | 965580 |
| ctcttgatta  | aggaagaagg | tattcttgcc | ggcatcgagg | tggcaaaaga  | ggttttccgc | 965640 |
| cgtttcgacc  | ctgagctgaa | ggtggaagtt | ttcatcaacg | acggtgcaca  | cgtgaagccg | 965700 |
| ggtgatgtag  | caatggtagt | ggaaggaaag | gtgcagtcct | tgcttcagac  | cgagcgcctg | 965760 |
| atgttgaaca  | tcatgcagcg | tatgagcggg | attgctacca | tgacacaccg  | ttacgtagaa | 965820 |
| cgcttgaagg  | gaaccaagac | gcgtgtgtc  | gatactcgta | agacaactcc  | gggtatgcgt | 965880 |
| gtactcgaaa  | aaatggcagt | caagattggc | ggcggcgta  | atcaccgtat  | cggcctgttc | 965940 |
| gatatgattc  | tgctgaaaga | caatcatgtc | gattttgccg | gaggaattga  | caaggctatc | 966000 |
| acccgtgccc  | gtgaatactg | caaggcaaaa | ggcaaagact | tgaagatcga  | aatcgaagta | 966060 |
| cgtaacttcg  | acgaattgca | gcaggtactt | gatctgggcg | gtgtagaccg  | tatcatgctc | 966120 |
| gacaacttta  | cgccggcaga | tacccgcaag | gcagtagaaa | tggtagaacg  | acgtgtagag | 966180 |
| cttgagtcac  | cgggtgggat | tacatttgat | acgctgcgcg | actatgctga  | gtgcggtgtc | 966240 |
| gacttcattt  | cagtaggtgc | cctgacacat | tctgtaaaag | gtctggatat  | gagtttcaag | 966300 |
| gcatgctgat  | gcgatggaa  | tcttaagtgc | aatttttaga | aagttgtacg  | gaaaaatact | 966360 |
| cttcgcctgc  | cgatgtttcc | cggagcacct | ttggatgcct | cgagtaatca  | ggtaggctgt | 966420 |
| tttccctttt  | ttctgcgatt | tctctttgtt | cctgtcaatg | gaatgaaagt  | aaaatcggag | 966480 |
| aaaaaggggg  | tttttttatg | ttttttttac | cacagatagt | gtccgatttt  | tttctatctt | 966540 |
| tggttatcat  | cctaaaattg | aagcttatga | gtcatgaaac | gtatcaattc  | cttctgtatg | 966600 |
| ccatgtcggg  | ggctgggtgt | ctgggttttg | tggcgcttta | ttttgtaaag  | gcgggatatg | 966660 |
| gtatgttccg  | gacagcctcg | tggggagttt | ctcttcccaa | caaacttgcc  | tggatgctga | 966720 |
| tggaaagtacc | ggcgtttatt | gtcatgttgt | acggatgggt | gcgcagcgga  | atggtacttt | 966780 |
| cggctccgca  | gactgtattt | gccttgctgt | tcttgctgca | ttatttccag  | cgttcgtttg | 966840 |
| tctttccgct  | gctgatgaga | ggtaaaagtc | gtatgcctct | tgccattgtt  | gccatgggga | 966900 |
| tagtctttaa  | tgtgctgaac | ggtatgttgc | ttacgacaag | tctgtttcgt  | tatcctcctg | 966960 |
| ccggactgta  | tgacagcggc | agcgatttct | ggatgcattc | tctaccatgg  | attgggctgg | 967020 |
| cgctgtttgt  | gcttggaatg | ggaatcaacc | tgatttccga | ctatgtcatc  | cgtcaccttc | 967080 |
| gtaagcctgg  | cgatacgaaa | cattatttgc | cacagaaagg | cttttaccgc  | tatgtgacct | 967140 |
| ctgccaatat  | tctgggtgaa | ttgatagaat | ggattggctt | cgctctgctg  | acgggttcgc | 967200 |
| ctgctgcatg  | ggtgtttgtc | tgggtggacg | ctgccaatct | ggtgccgcgt  | gccgatgcc  | 967260 |
| tttacaagcg  | ctatcgggaa | gaatttggcg | atgaggctgt | cggaaagcagg | aagcggatta | 967320 |
| taccttatat  | atattagtag | gctgccggag | gtatcttttc | cgggagtggc  | aagtgagcgg | 967380 |
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| tatggattca  | aaactattta | ctccggttcg | gctgggacca | ctgacgttac  | gtaatcgcac | 967500 |
| cattcgttcg  | gcggctttcg | aaagtatgtg | ccctggcaac | aaaccttccg  | agcagttgct | 967560 |
| cgagtatcat  | cgctcgggtg | ctgcgggtgg | cgttggcatg | acgacggtag  | cttatgcggc | 967620 |
| ggttactcga  | agcggcttgt | cgttcgaccg | ccagttgtgg | atgcgtccgg  | agattgttcc | 967680 |
| cggccttcgc  | cggctgactg | atgccgtcca | tgccgaagga | gctgcggcaa  | gtattcagtt | 967740 |
| aggacattgc  | ggcaacatgt | cgcacaagag | tatctgtggc | tgtctgcctg  | taggggccag | 967800 |
| cagtggattc  | aatctttatt | cgcctacctt | tgtgcgggga | cttcgtgcgg  | acgaactgcc | 967860 |
| cgaaatggca  | cggacatacg | gtcaggctgt | ccgcttggca | cgtgaatccg  | gattcgatgc | 967920 |
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|            |             |             |            |             |             |        |
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| gatggaggag | gtgatgaaaa  | cggcaggaac  | agacatggca | gtattggtaa  | agatgaacat  | 968100 |
| gcgcgacgga | tttcggggag  | gtatggaact  | ggaggaatcg | ctgcaggtgg  | cacaacggct  | 968160 |
| gcaacagtcg | ggtgcccag   | cgctggtctt  | gagcggaggt | ttcgtgagca  | aggctccgat  | 968220 |
| gtatgtgatg | agaggagaaa  | tgcccatccg  | taccatgacg | cactatatga  | cttgctggtg  | 968280 |
| gctgaagtat | ggcgtacgtc  | tggtggggaa  | atggatgata | cctgctgtac  | ctttccgcga  | 968340 |
| ggcttatttt | ctggaagatg  | cgctgaagtt  | ccggaaggca | ctggatatgc  | cgctggtgta  | 968400 |
| tgtaggagga | ttggttagcc  | gtgagaaaat  | tgatgaagtt | ttgaacgatg  | gatttgaggc  | 968460 |
| ggtacagatg | ggcgtgctg   | tgctcaacga  | gccgggtttt | gtaaatcgta  | tgctgtgagga | 968520 |
| agaaaaggca | cgctgtaact  | gcaagcacag  | caattattgc | attgcccgtg  | tttataccat  | 968580 |
| cgacatggca | tgctcatcagc | gtctgaaaga  | ggagcttcct | ccttgcatca  | ggaaggaaat  | 968640 |
| cgaacgtata | gaaagcaagg  | gataagatgg  | aaaagaaact | ggcggtgata  | acgggtgccg  | 968700 |
| atggaggatg | gggtacagag  | ataactcgtg  | cggtagcatc | ggctggttat  | agggtgataa  | 968760 |
| tggcgtgctg | taatctgggtg | cgggcagcgg  | aaaaacggaa | tctgcttatg  | gcggaaacgg  | 968820 |
| gcaatgcgga | tatcgagggtg | cagtttatcg  | atctggcttc | actggcttcg  | gtcgcattctt | 968880 |
| tcgcccggaa | gatggtggaa  | cggggtgaac  | agattacctt | gctgatgaat  | aatgcgggaa  | 968940 |
| cgatggagac | gggacttcat  | attacggagg  | acgggctgga | acgtaccgtg  | agcgtgaact  | 969000 |
| atgtaggacc | ttatctgctg  | acgcgcaagc  | ttttgccgct | gatgggagcg  | gggggccgta  | 969060 |
| tcgtgaatat | ggtttcttgc  | acgtatgcca  | tcggcaagct | ggatttccct  | gattttttct  | 969120 |
| tgccggaag  | gaaagggagt  | ttctggcgta  | tccctattta | tagtaatacg  | aaactggctc  | 969180 |
| tgactctctt | tacgctggaa  | ctggctgccc  | gtgtcagggg | gagggggatt  | gtcgttaatg  | 969240 |
| ctgccgatcc | gggcattgtt  | tcgacagata  | ttattaccat | gcacatgtgg  | ttcgatcctt  | 969300 |
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| tcagcctgtt | gctggatgaa  | gaagcgggca  | aacgtaccgg | aacactgaat  | gtcagttgcc  | 969420 |
| ggcctaagcc | tttgctcgat  | aagtttctcc  | atcattccca | gatgaaagag  | ctttggaggc  | 969480 |
| ttactgagga | acaagtcccc  | aaatggttgt  | agccggataa | aaaacaacgg  | cagagaacgt  | 969540 |
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| gaatttgata | ttctggaaaa  | ataccgcaag  | agttttaacg | agagttagct  | tggaaggctt  | 969840 |
| cactcgtgtg | ttccggttga  | gcgtatggca  | aaagccttgg | gcctgttggg  | acagcgactg  | 969900 |
| ggacgcagga | acatcttcag  | ccctgcggca  | aagattgccc | tcattggtcct | gaaggcatac  | 969960 |
| accggattct | ccgacagaca  | gctggtggaa  | catctgaaca | gcaacataca  | ctatcagatg  | 970020 |
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| aggcatatct | gcaagcattg  | cggggaactt  | ggcataagac | gtccccgcaa  | caaatatgat  | 970320 |
| gatattgcca | aggcttatct  | gtcctactgt  | aagaaaagaa | agagaaaggc  | atcaaggaca  | 970380 |
| aggatgctca | agcgacgtat  | gatcagactc  | cttgaaaaac | ttctcatgca  | gcgggatgga  | 970440 |
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| atcatcagaa | aggttcttgt  | acaggaaaag  | taaagtgttg | aaggacgaaa  | agtcagttag  | 970560 |
| cgcatcgtca | gcattgaccg  | tcattatgtg  | catcccatcg | tcagaggcaa  | ggaaacgaaa  | 970620 |
| tccgttgagt | tcggtgcgaa  | ggtaaacaac  | atacagatag | acggcatatc  | gttcatcgaa  | 970680 |
| cacctctcgt | tcaaggcttt  | caacgagggg  | atatgcctga | aggactgcat  | ccgcatgcag  | 970740 |
| cagaagctca | tgaacgtgag  | ggtaagatgc  | gtagcagccg | attccatata  | tgccaataac  | 970800 |
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| gcacggaaca  | ggaagacgga  | aatcctgttg | atcttcttcg | gaatacatac  | ggcaaagtc   | 971040 |
| gtactgatga  | ttgacaagat  | caggaacagg | acggttaaag | cggcatgata  | tgattttact  | 971100 |
| gacgaaatcg  | gaagaggtca  | tctggcttct | tcagaagtg  | catgtcctga  | cggatagaat  | 971160 |
| tatgtgagaa  | tacatggaaa  | aagggaata  | aaaaatggca | tatgaagatg  | atagaccata  | 971220 |
| atcatttcat  | atgccatctt  | atcttgggga | catttactga | atatccctaa  | atcaataagc  | 971280 |
| atcttcttcg  | ccgtggatgg  | cgttctttac | ggtctttag  | atgatgtaaa  | tatccagcca  | 971340 |
| gaaactccag  | tgctcgatgt  | accagatgtc | accgattaca | cgtccttcca  | tatctttcag  | 971400 |
| ctcctttgtt  | tcacctcgg   | agccggttac | ctggctccat | cctgtaatgc  | cgggtttaac  | 971460 |
| aaagtgtcgt  | accatgtatt  | tattgatcag | tttgagtag  | tcttccgtat  | gtttcagcat  | 971520 |
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| ttcgtcgatg  | tttgtcttct  | gcatgatatt | tccccagcgg | gtcttacggg  | gatcatcctt  | 971640 |
| ggttgctgc   | aacgtatcag  | cttctttatt | gactttcatc | gaacggaact  | tgtagcaata  | 971700 |
| aaactcttta  | tcattcagcc  | cgttgcgctt | ctgtttaaag | aagataggac  | ctggcatggt  | 971760 |
| cagtttagtt  | acgatagtaa  | caataatcag | tataatcggg | aacagcgtac  | acaggaatag  | 971820 |
| caaggagaaa  | acgatatcga  | atgcacgttt | cagtattttg | ttttccggac  | gacttagcgg  | 971880 |
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| gataatttgt  | atgatcagtt  | cactccggcg | tgaaggaga  | cagcaaaata  | ggtaatgtat  | 972060 |
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| ccggaaaata  | cttaatagaa  | tgaataaggt | taaaatgtat | atcggaaaga  | acaaagagta  | 972360 |
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| taaaccgcaa  | ctaattgcata | attcccctaa | aagcacgcat | agctttatta  | tgctattgtt  | 972660 |
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| cctatgttca  | taaatataag  | gagtgagtga | ggccagaaag | cgaattggctt | gtggccggcg  | 973260 |
| atatacatta  | tccaatatct  | cagagattgt | aagattgagc | ttttcttgta  | atccatgctg  | 973320 |
| taatatctcg  | ggtaattgtc  | ctttcagaca | atcgcttata | aatcgttttc  | ccaagtatgc  | 973380 |
| tccgctgcct  | tcatctccta  | aaatataatc | cagtggcgga | atgttccgta  | tgattttttc  | 973440 |
| tccatcgtat  | aagcatgagt  | tggatcctgt | tccgagtag  | caggctattc  | ctgctttgtc  | 973500 |
| tttacataag  | gcacgtgcag  | ctcccagcag | atctgtctcc | acaaaaatgt  | cagcgctcgg  | 973560 |
| aaaatattct  | tgtaacacct  | gagtgatgga | ggctgttttg | gatggcaagc  | atccggcgcc  | 973620 |
| atagaagtaa  | atagccgtgc  | aacgctggag | tggagtgtcc | agttgtggaa  | gaagttcatc  | 973680 |
| atggatgata  | gaccgtatct  | tttcttcaga | ctgatggaac | gggttgattc  | cttccgtctg  | 973740 |

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|             |            |            |             |            |            |        |
|-------------|------------|------------|-------------|------------|------------|--------|
| gacaattttg  | caattggctg | tttccgtacc | gtagcaccaa  | tcggttttgg | tagatccact | 973800 |
| gtcggctata  | agtatcataa | tgaaagggtg | ttataaaaag  | cacaatgcat | caagatatga | 973860 |
| cacattgtgc  | tttttgtgat | tggtattgaa | tttaattagt  | gcaatggccg | catccgcctc | 973920 |
| cacaacatcc  | gtcgtcatgg | tgatgatgct | catgatctcc  | acagcctccg | ccgcagctgt | 973980 |
| cacatccgca  | gccacatcct | tctccactca | tcatgttgac  | cattccttct | atctctttat | 974040 |
| tggtagcagg  | acgcatttct | gtaatagtac | cttcaaagat  | caagtctttg | ccggcatgag | 974100 |
| gatggttcag  | gtcgagcact | actttgtctt | cagtaatttc  | acctacgttg | gcatagaact | 974160 |
| gatgtccttc  | tgcatcgctc | agcataatga | tattgcccg   | gaagatattt | tcgctgtcga | 974220 |
| aattaccgtc  | aggatcgcaa | aacatagatt | tagaaacctg  | acgtacgtta | tcttcgttac | 974280 |
| gctctccgta  | tgcttctgcg | caaggaattg | taaaattgaa  | gttatctcct | ttgctcagtg | 974340 |
| ctgtgatttc  | tttttcaa   | ttatcgagt  | tgtatccgat  | accagaaata | aactggaacg | 974400 |
| gatgttctac  | agttgcttct | tccagcaatt | ctttctttcc  | gtcagcaata | gcatacagac | 974460 |
| gatatgctac  | ggtgatgtat | ttattttcca | tacttcaa    | aaatgtgttt | ataatgattg | 974520 |
| aattttcgcc  | aaaggtagca | ataaaaaatg | atattattgaa | agggggattt | cttctttctg | 974580 |
| ttagtatttt  | cacaaataaa | agcggcaata | aagactatat  | aaaaagaatt | tggatataaa | 974640 |
| ataagcctca  | gaacttacta | atgattattt | tttattgaaa  | atctctttca | ttttatttgt | 974700 |
| ttgttccgaa  | aaagccttta | cctttgcaga | cgtaaaacaa  | agcaagataa | catgaaagt  | 974760 |
| ataactgata  | tacgaattaa | cttggcagtc | ctgcatatta  | ttcgcgtcgt | ggtgaaagaa | 974820 |
| ccaagagggtg | agtaaagttt | tcgtgtatac | agttcacata  | aggaaatatg | tatggaagcc | 974880 |
| tttctcgcca  | gtgttgagaa | aggcttttta | cttaatgaaa  | aggagataaa | tgtaatgaaa | 974940 |
| catcagttac  | gcagttcgat | gagtaccgaa | ggtcgccgta  | tggcaggagc | aagatcctta | 975000 |
| tgggtagcca  | acggtatgaa | gaaggaaatg | tttgggaagc  | ccattatagc | tatcgtaaat | 975060 |
| tcgtttacgc  | agtttgtgcc | gggacataca | catttacacg  | aaataggcca | gcaggtaaaa | 975120 |
| gctgaaaatcg | aaaaattggg | atgctttgct | gctgaattta  | ataccattgc | cattgacgat | 975180 |
| ggcattgcaa  | tggggcacga | cggaatgctg | tattctttgc  | cttcccgtga | catcatagcc | 975240 |
| gacagtgtgg  | aatatatggt | gaatgcccat | aaggcagatg  | cgatggtctg | catttcgaat | 975300 |
| tgcgataaaa  | ttactccggg | aatgcttatg | gccgcaatgc  | gactgaatat | ccctactgta | 975360 |
| tttgtttccg  | gtggtccgat | ggaagctgga | gagtggggag  | gcatgcatct | cgatttgata | 975420 |
| gatgccatga  | tcaaatcggc | cgattcaaca | gtgagtgatg  | aagatgtagc | agaaatagaa | 975480 |
| cgtcacgctt  | gtcctggatg | tggttgttgt | tcgggaatgt  | ttacggcaaa | ttccatgaac | 975540 |
| tgctgaacg   | aagccatcgg | attagccttg | ccgggaaacg  | gaacaattgt | agctacgcat | 975600 |
| gaaaaccgta  | aacgtttgtt | ccgggacgct | gccagctga   | ttgtaaaaaa | tgctataaag | 975660 |
| tattacgaag  | aaggtagcga | cagcgtgtta | ccgcgcagta  | tcgctaccg  | tcaggccttc | 975720 |
| ctgaatgcca  | tgacactgga | tattgcgatg | ggaggttcta  | ccaacaccgt | attacatttg | 975780 |
| ttggctgttg  | ctcatgaagc | agaagtagat | ttcaagatgg  | atgacatcga | tatgttgtcg | 975840 |
| cgtcgggtac  | cttgtttgtg | caaggttgct | cccaatacac  | agaaatatca | tatacaggat | 975900 |
| gtcaatcgtg  | ccggcggtat | ccttaatata | ttaggagaat  | tggctaaggg | aggactgctc | 975960 |
| gatactaccg  | tacaccgagt | cgatggttct | acattaggag  | aggctattgc | caaatacaat | 976020 |
| atgtgtaa    | cggatgtaga | tgctgaggct | atgcgtattt  | atacaagtgc | gccgggagg  | 976080 |
| aaattcaata  | tccagttagg | ctctcagaac | aacacgtata  | aagaacttga | tacggatcgt | 976140 |
| gctaccggtt  | gcacccgcga | tttgagcat  | gcttacagca  | aagacggagg | attggctgta | 976200 |
| ctgaaaggga  | atattgcgca | agatggttgt | gtggtaaaga  | ctgccggagt | agacgaaagt | 976260 |
| atctggaagt  | tctctggtcc | tgccaaagt  | ttcgattcac  | aggaatcggc | atgcgaaggt | 976320 |
| atccttggtg  | gcaaagtgtg | gagcggagat | gtagtcgtca  | ttactcacga | aggtccgaaa | 976380 |
| ggtggaccgg  | gcacgcagga | aatgctttat | cctacttcgt  | atatcaagtc | gaaacatttg | 976440 |
| ggaaaagaat  | gtgccttgat | tacagatggc | cggttttagt  | gaggtacttc | cggtttgagt | 976500 |
| atcggacata  | tttctcccga | agcagcagcc | ggtggaata   | tcggtaagat | agtagacgga | 976560 |
| gatattattg  | agattgatat | accaaaccgt | acgataaatg  | tgaaactcac | cgacgaggaa | 976620 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
| ctggcagcac  | gccccatgac  | acctgttact | cgtaaccgctc | aggtgtcgaa  | ggcattgcga  | 976680 |
| gcttatgccca | gtatggtaag  | ctcagccgat | aagggtggag  | taagaattgt  | ataaggaact  | 976740 |
| atttattctt  | cattttgatt  | tatggctaaa | gaaagaatta  | cagggtcgga  | agcattgatg  | 976800 |
| cgttcattgg  | agcatgaagg  | agtaaagact | cttttcggtt  | atccgggagg  | agctatcatg  | 976860 |
| cctgtattcg  | atgcattgta  | cgaccacaga | gataaattga  | accatatact  | ggttcgtcac  | 976920 |
| gaacaaggag  | cggctcatgc  | tgctcaagga | tttgcccagag | tttcgggaga  | agttggagtt  | 976980 |
| tgtctggtaa  | ccagtggacc  | gggagctaca | aataaccatta | caggtgtggc  | cgatgccatg  | 977040 |
| atagacagta  | cgcctattgt  | tgtcatcgca | gggcaggtag  | gtgccagtct  | gttgggaacg  | 977100 |
| gatgcctttc  | aggaagtcga  | tctgggtggg | attacgcagc  | ctatttcgaa  | gtggagttat  | 977160 |
| cagatacgcc  | gcgcggacga  | cgtagcatgg | gcggtttcac  | gtgcctttta  | tatcgcacga  | 977220 |
| agcggacgctc | ccggaccggt  | ggttctcgac | tttgccaaga  | acgcacagac  | tgaaatgacc  | 977280 |
| gattatgaac  | cggtagatgt  | tgactttatc | cgcagttacg  | atcctgatcc  | ggaaacggat  | 977340 |
| atggacgaag  | tagacaaggc  | ggcagaactg | ataaacaatg  | ctcaacgtcc  | cttgggtattg | 977400 |
| gtcggccagg  | gtgtagaact  | gggcggcgca | caggaagaat  | tgcgtaagtt  | cgtcgaaaag  | 977460 |
| gctgatatgc  | cttgtggatg  | tactttgctg | ggactttcgg  | cacttccttc  | cggtcatccg  | 977520 |
| ctgaataagg  | gtatgttggg  | tatgcacggg | aatccttggtc | cgaatgtcaa  | gaccaacgaa  | 977580 |
| tgtgatgtgc  | tcattgcggt  | aggaatgcgt | ttcgacgac   | gtgtaaccgg  | tgatttgtcc  | 977640 |
| acctatgccc  | gtcaggcaaa  | agtcattcat | ctggatgtcg  | atccttctga  | gattggcaag  | 977700 |
| aatgtaccgg  | tagatgtccc  | tgttttggga | aattgtaaac  | gtacattgtc  | catgcttacc  | 977760 |
| gaacggatac  | accctcagaa  | acataccgaa | tggattgccca | gtttccagcc  | ttatgaggag  | 977820 |
| aaagaatata  | ctcaggttat  | aaagcctgaa | gtttatccaa  | cgggaaggctc | tttaaataatg | 977880 |
| ggtgaagtcg  | ttcatgcagt  | aagcgaagct | acgaacaacg  | aagcgatact  | ggtgacagat  | 977940 |
| gtcggtcaga  | accaaattgt  | agcttgccgc | tactttaagt  | ttactaagaa  | ccgcagcctt  | 978000 |
| gtaacttcgg  | gcggtatggg  | aacaatggga | ttctgcctgc  | cggccgctat  | cgggtgctacc | 978060 |
| ttcggatgtc  | ccggacgtac  | ggtctgcgca | tttatgggag  | acggagggtt  | gcagatgact  | 978120 |
| atgcaggaac  | tgggtacgat  | aatggagcag | aaatcgccgg  | taaagattat  | tttgatgaat  | 978180 |
| aacaatttcc  | tgggcaatgt  | ccgccaatgg | caggctatgt  | tcttcagaca  | ccgctatttcg | 978240 |
| tttaccgccga | tgatgaacct  | cgactacatg | cagattgctt  | tggcgtatgg  | tattccttcc  | 978300 |
| cgcagagtaa  | tggaccgttc  | cgagttgaac | gacgccattc  | gtgagatgct  | ggaaaccgac  | 978360 |
| ggaccgttcc  | tgctggaaac  | ctgtgtggtg | gaagaaggaa  | aggtattgcc  | gatgactcct  | 978420 |
| ccgggaagtc  | ccgtaaacata | tatgctgttg | gactgttaat  | taagagtaac  | tatggataat  | 978480 |
| aagacattat  | atacgataat  | cgttcattcg | gaaaacatag  | ccggtttgtt  | gaatcaggta  | 978540 |
| acggctgtgt  | ttacacgccg  | ccagataaac | atcgaaagtc  | tgaacgtgtc  | tgcttcttcc  | 978600 |
| attaaaggag  | tacataagta  | taccattact | tgctggacta  | ctcctgatat  | catagagaaa  | 978660 |
| ctggtacgtc  | agatagaaaa  | gaaaatggac | gtgatacagg  | cgcactactt  | taccgacaag  | 978720 |
| gaaatcttcc  | agcgtgaggt  | agccatgtat | aaagtttcca  | cacccgagtt  | tcaggcaacg  | 978780 |
| gcagaacctt  | cgaaggttgt  | acgtcgctat | ggggcacata  | ttgtagaagt  | aaatcctaca  | 978840 |
| ttctctgttg  | tagagatgac  | gggcatgagc | gacgatatta  | cgagtttgta  | ccaggaactg  | 978900 |
| aaaaacctga  | actgtgtatt  | gcagtttgtc | cgctcaggaa  | gaattgcaat  | ttcgaccagt  | 978960 |
| tgttttgagc  | gtgttaacga  | gtacctggca | caccgggaag  | aacgatatag  | aaacgaaaaa  | 979020 |
| caataaagat  | ggttatgagt  | gaggataata | aagtttagtac | ctaccggtt   | gttgacgaac  | 979080 |
| cgttccacgt  | agattttacg  | gaaaaactta | cgatgggcgt  | attgggcaac  | cacctgttga  | 979140 |
| actgtgcagg  | ctttcatgct  | gcagaacgtg | gcttcggcat  | tgctaccctg  | aacgagaacc  | 979200 |
| attatacatg  | ggtactttcg  | cgtctggcgg | tggaatgga   | ggaaatgccc  | cgtgcatacg  | 979260 |
| agaagttcag  | catccagacg  | tgggtggaag | atgtatatcg  | tctgttcacc  | gaccgtaatt  | 979320 |
| ttgctatcct  | gaatcaggac  | ggtaaaccga | tagggtatgc  | acgttccatc  | tgggcaatga  | 979380 |
| tcagtatgga  | aacccgtaag  | cccgccgact | tgcttgcgct  | gcattggagga | aagataaccg  | 979440 |
| actatatattg | taagaaggag  | tgtcccattg | ccaaggcagg  | ccgtgtaaag  | gtgacagagc  | 979500 |



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| aggtcccatg  | ttccgaatac  | ctggtgaaat  | acagtgcacat | tgacctcaac  | ggtcacgtca  | 979560 |
| acagcatcaa  | atatattgaa  | catgcgctcg  | atgtgttccc  | actcgaaatg  | tttcgcaata  | 979620 |
| aatccatccg  | ccgctttgaa  | gtggcatacg  | ttgccgaaag  | ttattacggc  | gacaagctga  | 979680 |
| gcttctaccg  | tgagcaggtg  | ggcgaaaatg  | aatttgatat  | agaaataaaa  | aagaatggca  | 979740 |
| cggaaagtgt  | cggtcgttgt  | aaagtgcata  | tttaactgatt | ttttaataaa  | aagattgtat  | 979800 |
| tatggcacia  | atgaattttg  | gcggcggttac | tgaaaatgta  | gtaatccgcg  | atgagttccc  | 979860 |
| cttggaiaaaa | gcacgtgaag  | tattgaaaaa  | cgaaacaata  | gctgtcatcg  | gttatggtgt  | 979920 |
| acagggtccc  | ggacagtcac  | tgaatctgcg  | tgataacggt  | ttcaacgtaa  | tcgtaggaca  | 979980 |
| gcgtcagggc  | aagacattcg  | aaaaggctgt  | tgccgacggt  | tgggtaccgg  | gcgaaacctt  | 980040 |
| gttcagcatc  | gaagaagctt  | gcaagagagg  | tactattatc  | atgtgtctgt  | tgctcgatgc  | 980100 |
| tgccgttatt  | tctgtatggc  | ctaccatcaa  | acctcatctg  | actgctggca  | aagcattgta  | 980160 |
| tttctctcac  | ggatttgcta  | ttacatggaa  | cgaccgtacc  | ggtgtggttc  | ctcctaaaga  | 980220 |
| tatcgatgtt  | atcatggttg  | ctcctaaagg  | ttcgggtaca  | tctttgcgta  | ccatgttcct  | 980280 |
| cgaaggacgt  | ggcttgaact  | catcgtacgc  | tatctatcag  | gatgctaccg  | gaaaggctta  | 980340 |
| cgaacgtact  | attgcactgg  | gtatcggtat  | cggttcagggt | tatttggttcg | aaacaacctt  | 980400 |
| ccagcgtgaa  | gctacatccg  | atgtgacagg  | tgaacgtggt  | acactgatgg  | gtgctatcca  | 980460 |
| gggcttggtg  | ctggcacaat  | atgaaacatt  | gcgtgaacac  | ggacactcac  | cttcggaagc  | 980520 |
| attcaacgaa  | acagttgagg  | aacttactca  | gtcattgatg  | ccgctgtttg  | cagcaaaagg  | 980580 |
| tatggactgg  | atgtacgcta  | actgttctac  | aactgctcag  | cggtgtgctt  | tggactggat  | 980640 |
| gactccgttc  | cacgatgcta  | ccaaaccggt  | attcgaaaaa  | ctgtacaagt  | cggttgccga  | 980700 |
| aggccacgaa  | gcacagcgtt  | ctatcgactc  | aaactctcag  | ccggattatc  | gtgataaact  | 980760 |
| gaacgaagaa  | cttcgtcagt  | tgctgaaag   | cgaaatgtgg  | cagacagctg  | taaccgttcg  | 980820 |
| taaacttcgt  | ccggaaaaca  | actgataaac  | cactttccag  | ataaataaga  | aaagctcctt  | 980880 |
| tcgcagtgaa  | tacgctgccg  | gaaggagctt  | ttcttgatc   | aggggtgcagg | catctgccgg  | 980940 |
| acgcggcatg  | attcggttatg | acactgcata  | gataaatatc  | cttttcagct  | gctgtatgca  | 981000 |
| ttttctccgg  | catgttgaga  | atgaggcatc  | tgctgtcttt  | tctggaacc   | tctgcatgtc  | 981060 |
| cggattatct  | tttgtaaaaa  | aacaaaaatc  | ttttgtacaa  | attttcggaa  | aacgtcccga  | 981120 |
| tggtttttct  | gagagccgcc  | ggactttctt  | tccatacatc  | cccatatcag  | tgtcaaagct  | 981180 |
| tgtaacatca  | tgcgaaacgt  | aaacagatta  | tgacaggaaa  | ttcacgttaa  | aaaagtaatt  | 981240 |
| atztatccgt  | caatcggaat  | aaaatcggtt  | tttttgagta  | cgacttaatt  | tatctttaca  | 981300 |
| atacaaaacta | ctgagttatg  | aaaacagaat  | ttttacagat  | gatcaagaca  | cggtgcaggt  | 981360 |
| gccgtaaata  | taaagcagaa  | caaattaccg  | atgaagaact  | gaaggctgta  | ctcgaagcgg  | 981420 |
| gtacgtatgc  | acctacttca  | cgaggcatgc  | aggctcctta  | catcgtggcc  | gtgcagaatg  | 981480 |
| aagcccagcg  | cagacagttg  | gccgaaatga  | atgcccggtg  | catgggcgtg  | acctccaatc  | 981540 |
| cgtattacga  | tgccccacg   | tatgtgctgg  | tacttggttc  | gggcgacgct  | aacaaccccg  | 981600 |
| tacaagacgg  | tagttgctg   | cttgaaaata  | tgatgcttgc  | agcccatgca  | ctgggactag  | 981660 |
| gcagttgctg  | gattcaccgt  | gagcgcgaaa  | tggtcgtctc  | tcccgaagga  | aaggaactga  | 981720 |
| tgaagtcgtg  | gggacttccc  | gacggtctga  | taggaatcgg  | agcgtgga    | ttaggatata  | 981780 |
| cggaaaggaga | accggcacag  | cccaaaccac  | gtaagccgga  | ttactaccgg  | attattaaat  | 981840 |
| aaaaaaggaa  | acctgaacgt  | atggcagacg  | gaaaatatca  | tgtaggattc  | gccctgagcg  | 981900 |
| gaggatttat  | tcgggggaatt | gcccatctgg  | gtatgttgca  | ggcactgttc  | gagcataaca  | 981960 |
| tccgtcccga  | tatcctgtcg  | ggtaccagtg  | cggtgtctat  | cgctcagtgtc | ttcatagccg  | 982020 |
| acggcaggca  | gccctttgag  | attatggaga  | tggtttccga  | ccgttcgttt  | acggaactcg  | 982080 |
| ccaagattcg  | tccgggtaag  | gaaagtttgt  | tccagatgga  | ttattttatc  | gattttcatga | 982140 |
| ggagcaatct  | gaggacacgc  | aacctggagg  | atctcgaaat  | acctgtcggt  | gtgacggcta  | 982200 |
| ccgatttcga  | tcatggctgt  | tctgtccact  | tcacacgtgg  | agagatagcc  | cgccgtgtgg  | 982260 |
| cagcctcgtg  | ctgcattccc  | gtgctgttcg  | caccagtcaa  | gataaaaaggc | gtttattatg  | 982320 |
| tcgatggggg  | agttttcatg  | aatattcccc  | ttaccccgat  | acgcgattta  | tgcgacaagg  | 982380 |

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|             |             |            |             |             |             |        |
|-------------|-------------|------------|-------------|-------------|-------------|--------|
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| tagctctcag  | ggcgtaccac  | ttcatgtttc | aggcgaatac  | atttaccgaa  | ctggaaaagg  | 982500 |
| cagacctgat  | tatcgcgccc  | gacggctctg | gatcgtaact  | taactacgaa  | ctggaaaaag  | 982560 |
| cggaagagat  | tttcagtaca  | gggtattttg | aggcatctcg  | ggtagtgag   | gaactggaag  | 982620 |
| aagacgaaaa  | agaacggtat  | ttttcgttca | ggtaaaaaag  | aagaatgtca  | aaaaatataa  | 982680 |
| taatgactat  | ggaacaaaat  | gaaaaaatga | ttatttatca  | ggtttttacc  | cgtttggttcg | 982740 |
| gcaataacga  | agtaaacaac  | gtatacaatg | gaagcttgca  | ggagaacgga  | tgtggtaaaa  | 982800 |
| tggatgattt  | tacaaacaag  | gctctgcatg | agataaagaa  | actgggcgct  | acacatatct  | 982860 |
| ggtacacagg  | cgtgattgct  | catgcttccc | aaacagacta  | ttctgcatat  | aatattcccc  | 982920 |
| gaaatcaccc  | ttcagtggta  | aaaggaaagg | ctggttcgcg  | ttatgccatc  | cgcgattatt  | 982980 |
| atgatatcga  | ttcccgacctg | gctgtcaacg | tagatcatcg  | tatgaaagaa  | ttcgaagcac  | 983040 |
| tgggtcaaag  | tacgcacagc  | aacgggctga | agggtgattat | tgatttcgta  | cccaatcacg  | 983100 |
| ttgcccgta   | gtatcactcc  | attgccaagc | ctgcgggtgt  | gaaagacctg  | ggcgaagacg  | 983160 |
| atgacaatac  | aaaggctttt  | gatgtaaaca | ataacttcta  | ttacataaccg | ggtaccgggc  | 983220 |
| tggaaggtga  | aatagacttt  | tataatgaac | aggcgggcac  | ctacgaagaa  | atgcctgcca  | 983280 |
| aggctaccgg  | caacaatcgt  | ttcgatgctt | atccgaacaa  | aaccgactgg  | tatgaaacgg  | 983340 |
| tgaagctgaa  | ttatggggta  | gattatatgg | gaaatacagg  | aaatcacttc  | tcaccgattc  | 983400 |
| ctgataacctg | gaacaaaatg  | aaggatatcc | tgctcttctg  | ggcctccaaa  | ggcatagacg  | 983460 |
| gtttccgttg  | cgacatggcg  | gaaatggtac | catgcgagtt  | ctggggctgg  | gttattcctc  | 983520 |
| agggtgaagaa | gctgcatccg  | gaactgattt | tcatactgta  | agttttataat | ccgaacgaat  | 983580 |
| accgtaacta  | tatcttcaac  | ggacatttcg | attacctgta  | cgataaggta  | gggctgtacg  | 983640 |
| atacccttcg  | tgccatagta  | tgtggttacg | ggtcggctac  | agctataacc  | aactgctggc  | 983700 |
| agagtgtgaa  | cgacatccag  | tctcacatgc | tgaatttcct  | ggagaaccac  | gacgaacagc  | 983760 |
| gtatcgcttc  | cgatttcttt  | gcaggagatg | cccgtaaagg  | actgccggca  | ttgctggttt  | 983820 |
| cggcttgtat  | gaataactaat | ccgatgatga | tttacttcgg  | acaggaactg  | ggcgaggaag  | 983880 |
| gaatggacag  | cgagggattc  | agcggacgcg | acggacgtac  | taccatcttc  | gattactgga  | 983940 |
| gtgtagacag  | catccgacgc  | tgggtcaatc | acgggcgcta  | taatcttcac  | ctgctgaatg  | 984000 |
| accaggagaa  | agagcttcgc  | cggttttatt | accatgttct  | gaacttatgt  | aatgaggaaa  | 984060 |
| aggccatctc  | gcaagggtgaa | ttcttcgact | tgatgtatgc  | caatcaagga  | aactggctga  | 984120 |
| tgaatgaaca  | tcgtcagttt  | gcgttccttc | gcaagcatgc  | caacgaagtg  | ttgctgatac  | 984180 |
| ttgtcaattt  | cgatgagatg  | ccgatgccgg | tttcgggtcaa | tgttccgcgt  | catgcgtttg  | 984240 |
| agtatttgca  | gatgcctgaa  | agcgaaagcg | tacagactgt  | agacttgctg  | acgggagaaa  | 984300 |
| aagaaaccat  | ttcctttaca  | agtgagaagc | cggtagccgt  | tgaactgccg  | ggctgggggtg | 984360 |
| gcaagatcct  | gaaaatgaca  | atctgacctg | aaggagtgat  | ataagtttga  | agacggcatc  | 984420 |
| ataggatata  | tccggtagaa  | ctgatatctt | atggtgccgt  | ctgtattttc  | tctaaatgcc  | 984480 |
| tgccgctatt  | gtatcttatt  | ccgattttat | ttcatcatca  | ccgttggtta  | gtggtgtata  | 984540 |
| tacggctttg  | ggctgaggaa  | tgctgaagct | gctgttggtca | aaaagttcgg  | ctaggccgga  | 984600 |
| gatttggttt  | aggcgtagca  | actcatcgcg | gtccattcct  | atgtttttca  | ttatccattg  | 984660 |
| gtcggacatt  | ccagccttat  | ccagttcggc | aacgatgttc  | gacatcagct  | cgatgttggtg | 984720 |
| cgtacctcgt  | gcacgattgt  | gccggatggg | agaaccaatg  | cggttggata  | aatctttgtc  | 984780 |
| tattacaaca  | accggaagca  | atcctttctc | tcgctgatag  | atacgcttcg  | atgtcttttag | 984840 |
| aacggtatat  | cgggtgaaatc | cgtctaccag | gatataattta | tcttgtagct  | tgtcgtagta  | 984900 |
| gcatacacag  | ggcatggttaa | atccatcttc | ccaaatggac  | aattccagca  | gtttcatttc  | 984960 |
| agggggagcg  | actacattgg  | ggttgtaatt | atgtgtactt  | actttctcaa  | cagggtacggc | 985020 |
| ccgtacgtta  | tagacgggac  | ttttgtaatc | atcgtttgct  | atcgccaaat  | atttttgtaa  | 985080 |
| ttttccataa  | tttgattcct  | cttactgatt | tcctctttgg  | tgggggagaa  | tcccatatat  | 985140 |
| ttgcaggcat  | gatcggttacg | aaggatacag | atgcacatcc  | gtttgtagggt | agggattttcc | 985200 |
| ttgaattcgg  | gaatatcaat  | gtcttcctga | tactccattt  | tgacaggatg  | cttgtgggta  | 985260 |

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|             |             |             |             |             |             |        |
|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| cgatagttgc  | ttttgtctac  | aatttctatg  | ggaatctttg  | cgtcaatcaa  | cttttgaatg  | 985320 |
| acatcgtcgc  | tgaggcaacc  | tccttttgtt  | ctccagaatt  | tgatgctgac  | attcaggcgt  | 985380 |
| ctcaggtaac  | cgttgcgtgt  | ttcttcgggg  | agtgtagaga  | gtaaaaagta  | cataaatgat  | 985440 |
| ttccatgtat  | atccttcagg  | caattttatt  | ttttgccttg  | ctgtggcgtg  | tgtacttcca  | 985500 |
| taaattgcag  | aaaagttaac  | tccatttaca  | cgtcctatca  | ttctcccca   | cgtgtcaggg  | 985560 |
| tctatcgctt  | tgtacagtgc  | caggctctct  | atcgcttcac  | tgataaaagg  | actggccacc  | 985620 |
| cgttgtcgtt  | ccagacttac  | tcctgctttg  | taataaaggt  | catataaagg  | attataattc  | 985680 |
| catttaaaact | taccgttcgc  | cgtccagaca  | tccgttgtcc  | gccagtcata  | tatgggataa  | 985740 |
| gcgttgtaaa  | tatcatttcc  | tatttttgaa  | gtccatata   | acttgtggta  | taagacattt  | 985800 |
| ttgggaacct  | gaaagataca  | gcgccatcgg  | ctgaaacttt  | cttgtgttcg  | tatgcctacc  | 985860 |
| agacagcagg  | tgcgtgtggc  | ctttttcttc  | ttatgtaacc  | attgtgcgaa  | atacagttgg  | 985920 |
| aaatcgtaat  | cccattgctt  | cggcttcaat  | tctggaaaat  | ctttgatagt  | catggcattt  | 985980 |
| ttaggcattt  | gccggacca   | tgcattcttc  | attttttcat  | cccacgggcg  | ccagtaagac  | 986040 |
| tggtacatgg  | aggtggaagt  | tgcaacacga  | aacggcagac  | agatacgata  | cacatcaagt  | 986100 |
| aaatctttgt  | tcttttccag  | aatctgggtc  | acaaagtcga  | ttgtcatttt  | gtattgtatt  | 986160 |
| tcataatcca  | tgtgaaatac  | gcctatttta  | cgtttcaggt  | tattccgccg  | gatgtaatca  | 986220 |
| atacaaaggt  | ttagcaggac  | tccactgtct  | ttccctcccg  | aaaaagatac  | atagatatta  | 986280 |
| tcaaattcat  | cgaatataac  | tcgtaaacgt  | tcctgagtca  | attcgtaaac  | gttctttgac  | 986340 |
| tcttgggcta  | tttctttcat  | gaggcttttt  | gcattttaat  | gtatagtttc  | cacgtttttg  | 986400 |
| ttatttcaaa  | tcctttgcgc  | tcaaacaaat  | ctttgtgaag  | agtttgcact  | acagccacca  | 986460 |
| agggtgtgt   | gctttcctct  | tcatcagtta  | ggactgcgtc  | cagcagagct  | tccaatatcg  | 986520 |
| catcgtgatt  | ctctgccttg  | gcataataat  | tattgatgat  | atgttcgttc  | ttacgcaagt  | 986580 |
| ttagtggat   | aaagcctgct  | actttgtgtt  | cttctattgc  | aatataccac  | acaaattggt  | 986640 |
| ctccggtttt  | aaatggataa  | ccattgttat  | attgcaaaat  | attaggatcc  | atgaccaaag  | 986700 |
| gacctactag  | ttgatataat  | tgtttgtctg  | taccttgtaa  | tttaagtatt  | tgtatcatta  | 986760 |
| gctattattt  | atacgtactc  | tagcaaagat  | acttaaaaaa  | ggccatactt  | acaatttctt  | 986820 |
| gtctgaaatc  | aatcgcgcga  | tacgtgtttt  | gctttgagct  | cctttggtga  | ggagataaac  | 986880 |
| atgtttgtat  | gcgtcacgat  | tcagtctctg  | agggtgaaccg | tttatcagga  | tgatattgctg | 986940 |
| atcgttggca  | aatttttagga | taccgtttac  | gttgttttggg | tgcagttttac | ctatttctgct | 987000 |
| catcatacaa  | tgcagcttga  | agtccttgaa  | tttctgcgaa  | gcactttcct  | tgaatacgta  | 987060 |
| cagcaacatg  | atgtttatca  | tggctttcac  | cagaatgtcc  | gtaccttcctg | aacctacatt  | 987120 |
| cgagagtttc  | tccacgaaac  | cggatcgtt   | gttgttttct  | acgatacgga  | aacgaagtct  | 987180 |
| gaatgaatcg  | tacaaccgga  | ttttatcgta  | ccggtaagca  | tgcatttcct  | tgatgaaatc  | 987240 |
| acgcagtaaa  | gcgatggctt  | cctgtttgac  | caactgctcg  | ttttcactcg  | agaacagggt  | 987300 |
| tgtccccggc  | gcaagatcgt  | aagcatgttc  | gttgtataac  | ttctgtattg  | cccgtaaaga  | 987360 |
| gtttactaca  | cggttgctgc  | tttctcaac   | cttcatctca  | attcgttggga | tgactccgac  | 987420 |
| gaaattgcat  | gtctggaaac  | ctttattttac | cttgttaatc  | agatcatgga  | tgtcgctttc  | 987480 |
| cgaagcagtc  | agcatcgacg  | tatccatgct  | gatacgcttg  | aaaatatcgg  | aatgttcgtt  | 987540 |
| gttgatgcga  | cggataaatt  | gactgatttt  | attttcttcc  | acgaaatcat  | gcagttcttc  | 987600 |
| ggcaaagcgg  | atatattccc  | agtcctcggt  | gaacttggtt  | ttgaacttga  | acgtattgtc  | 987660 |
| ttctccaaag  | tgtccgggtga | agagattttac | ctccttgcgc  | agactgcttt  | gtgattctgt  | 987720 |
| atactggctt  | tgcattcgtc  | ccagttcatt  | tattaactcc  | atgcaacttt  | tctgtacggt  | 987780 |
| gagtcgggta  | tcgggacact  | tttccaatcg  | gaaaatatcc  | tgatgaggct  | tgtaccattc  | 987840 |
| gtagacagag  | attctttcat  | aggcttccaa  | attgtttgaa  | aaagtacgta  | cattctcttc  | 987900 |
| cgcttcattt  | accgacttgg  | agagtttgtc  | tatttctccc  | tgcaaactgt  | taatctcctt  | 987960 |
| gcgcacattt  | tctttttcat  | tgtcgagcaa  | ccgtttctgt  | tcttcatatt  | cgcgtttcca  | 988020 |
| ttccggaata  | tgattgatca  | gatcgcgttt  | atccttttga  | tattcgatga  | gcaacgtagc  | 988080 |
| atggtccttg  | atgaacagca  | attcctgctc  | aatgtcctgc  | aactgcttgg  | caatgtcttg  | 988140 |

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| tgccttgaca | gatgcgatac  | gtttctgctc  | ttcttgctct  | tcttggtgta | tgggtgccgc  | 988260 |
| ctgttttttc | ttttcgtttg  | ccagattgtg  | ctgaagtccg  | ctccattcct | gtttcagagt  | 988320 |
| gttcagtttc | tccgcttttt  | ctttattcag  | gttggttcagt | tttgccctta | tctgtttcag  | 988380 |
| ttcggagtga | gcctgtgctt  | tctgggtttc  | cagctcatgc  | attttccggt | ctctctctgc  | 988440 |
| ttcggccttg | ttcttccagt  | cttccaggtc  | gagcatgtcc  | tgctgatatt | gctgttccag  | 988500 |
| ctttcccagc | tcatactctt  | gtacagagat  | cacatccttc  | tgctctttta | ttttcggctg  | 988560 |
| atatttgttt | ttcagcgctt  | cttccagctc  | ttccttggtt  | atttgcagac | gagtgatttc  | 988620 |
| ggaagcaatc | tcttccagac  | ggtgtgttcc  | ggtttccttt  | tccttctgat | aatcggtgat  | 988680 |
| tgacttgata | tgctgctcta  | tgcctgccag  | gttgatggag  | atgccataga | aagactctcc  | 988740 |
| gttatcgtgt | agctgaggcg  | ataagcccgt  | ctgccagaga  | atagattcgt | cacacaactt  | 988800 |
| accaatgttt | tcctcccac   | ccggcttggt  | gtccttcagc  | cagccctgca | acgtattgcg  | 988860 |
| gctgttctgc | aagaaagttt  | ccagttcgtc  | gacacgcagt  | ttcaactgct | gctgctctgc  | 988920 |
| ttgcaggcga | gtgagggcat  | catccttttc  | tttcatgcc   | cgctgtaact | catcttccca  | 988980 |
| tttcaagggt | atctccttga  | tgatgagctg  | ggcattgtcg  | atacggtttt | tcttgctcat  | 989040 |
| gtgcataccc | gtatacgact  | gtatgcgatg  | tttcagttct  | tcctgttcag | cttcgaagaa  | 989100 |
| aacttccttg | cggcaaagct  | gcatctgata  | gtcgatagcc  | gtcagtgcac | tttgcttttc  | 989160 |
| acttctctcc | ggatgcagtt  | gctgcgagag  | ctgttcgtat  | tcctgataca | aagtctctgt  | 989220 |
| agcagtttca | tggcgtcggc  | gtccttcttc  | gatacgtgca  | ttgtaagtac | tgttcagttc  | 989280 |
| atccagttgc | ttgagctttg  | cctcgtgaat  | cttattccat  | tgctcgtcga | ggctctgaat  | 989340 |
| aagcgactta | tattttggtg  | atatttccgt  | gtactgagaa  | gtcaggatac | gctgttcttc  | 989400 |
| caccagtcgg | tcccggcggg  | ttttccattc  | ctcctttcgg  | gcagaccggt | ccatgacctg  | 989460 |
| ttctatctgt | tgacgggcat  | attctttttc  | cttgctttgt  | gctttctgca | attcattggt  | 989520 |
| cagcacggca | attgtttcct  | gcaactgttc  | gcagcgctga  | cgtgactgct | cttgacagttc | 989580 |
| ctgacggcgc | ccgatcagct  | tgctccgttc  | gttttctgta  | tgtatttttt | tctcctgcc   | 989640 |
| ctgaggaagt | acctccttcg  | ccttgaggta  | agcagccacc  | agttcacggc | aaccttgagc  | 989700 |
| tagggcggtc | tggtgtttcg  | aaacctgtgc  | cgagagtga   | gtgatttctt | ttgcttggtt  | 989760 |
| ttgcgtttcc | cgcttttgga  | actcctcgat  | atcgtgcaag  | cggacctcaa | agtttttttag | 989820 |
| gtgttccttg | tagttgttca  | ggtcgatggc  | cgtttcatct  | tcgttgatgg | atgagataat  | 989880 |
| tgtcttcttg | atgaactctg  | cgctcgagctt | ggagttcagc  | aacacattct | ggatggtacg  | 989940 |
| tggaaatgtt | tggtactgct  | tgctttccat  | cagttagtac  | ttcctcatat | cgggagccac  | 990000 |
| tccgttgccg | taaagaatgt  | tccgatactc  | atcgaacgta  | tagatgatgc | gtgaataatc  | 990060 |
| cacgttcaac | tggctcgagct | gcatacgtat  | gcggtcggct  | ccgtataaag | ccgtgcgtgt  | 990120 |
| ttccggatcg | atgaaaaact  | ctttccggta  | gggagagtcg  | ataaaacggg | agctcacacg  | 990180 |
| gttcatcgac | ttgaagctaa  | gaatgcagaa  | cgcaccgttt  | tcggtagcca | cttcgtaaac  | 990240 |
| gatgtacgag | ttggcataag  | ggaaataata  | ctccgtgtag  | ctttgtttct | ccaccggaat  | 990300 |
| acccaacttc | tgcgtatcgg  | cattataaaa  | gaagaggata  | gagcgaagta | cggtagcttt  | 990360 |
| tcccaccctt | tgcgttccga  | tgaatgaac   | gtttccgtcc  | aggtaaata  | cgctcggcgta | 990420 |
| aggaatgttc | gcactattta  | tgaagatgat  | tctattcagg  | tttctcattg | tcttgagtgt  | 990480 |
| cgctgtaaat | gtttataact  | tcaaccaggc  | gctccagata  | gttccaggag | ctcattacct  | 990540 |
| tgtatgtatt | ggtcttttca  | ttctccagtt  | ccagaaagga  | gtcacgcgta | agctggcgga  | 990600 |
| tcatgttatc | cagcacttcc  | ttgcgtacat  | ccttgctcga  | gaaatgtttg | cggatgccgt  | 990660 |
| ccagcttggt | ctgtagcatc  | acgttgatgt  | ttgcttctac  | caatatctgc | tcgggctgga  | 990720 |
| aacgatgtcc | cggaccgaac  | gtttcgtcgt  | atgtcttgaa  | cagatcgagc | acatcaatcc  | 990780 |
| agtagtaagc | acgcagaatt  | ttctgttcaa  | gcgtgacacg  | cggttcgatg | cgtgaaaagt  | 990840 |
| aaaagtattc | attgccccgt  | tccagggtat  | atcctatctg  | ggcaaaaata | acagacaatg  | 990900 |
| cttcaaagtc | atcgtctatc  | atcgtgtaca  | agttgcgtat  | atcttcggtg | gtactgttcc  | 990960 |
| aactgatgaa | ctgtcccttt  | tgcaggtaat  | cgaaaatagc  | agccgtatga | tcgggtattc  | 991020 |

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|              |             |             |             |             |             |        |
|--------------|-------------|-------------|-------------|-------------|-------------|--------|
| ttatatatttag | ttccatagtc  | ttgttttatt  | ctttgcagac  | atgctttata  | tatgctttta  | 991080 |
| taaaacgggt   | taacttattt  | attataagct  | atataatcggt | ttataaatatg | ggatagatac  | 991140 |
| gagcatattc   | ataactcttg  | tacacgccga  | agtcgtccgt  | gatgcggaac  | tgagattcgt  | 991200 |
| aaagcgatac   | aatctggcag  | aacagtgtgg  | tacgttcttc  | ctcgctcacc  | ttcctgtgaa  | 991260 |
| acgcatagcg   | catgaggaac  | gaaaacaaat  | cctccggttc  | ggccgtagga  | tccttccata  | 991320 |
| cggcttcggt   | ctgtgcctga  | atatagtcgc  | ccattgtttc  | ttccagggtg  | atgctttcct  | 991380 |
| gatacatggc   | ttgcgaagtc  | aggtcttctt  | caactgaaggc | cccggcttcg  | ttgctgcgta  | 991440 |
| tcgtttcccc   | gtactgaaga  | ttctttatca  | ccttcaggat  | gatgggacgc  | gcctcgtccg  | 991500 |
| agttcaggta   | attgatagat  | agcttgaacg  | atacgggtgc  | cgcaccttcc  | agcagcacag  | 991560 |
| agtgttcatt   | ttccagcacc  | tcggccagg   | tacttttggc  | gcgtagctca  | aactgatctt  | 991620 |
| gcaggatatt   | tacccggcgt  | atcttttcca  | ccagaataat  | ctggctttta  | atctggttca  | 991680 |
| ggtaattgat   | gatacctgc   | tgggcacgaa  | tcagactgtg  | agccgaaagc  | tgaagttccc  | 991740 |
| ggcgcagttc   | cagcagaata  | cggctcagtt  | cctcgtcgg   | agcctgctgg  | aagaacagtc  | 991800 |
| gttctcatg    | caagatcaga  | ttttccgtcg  | tgtcaatcag  | ttgctggata  | ttgattcgtt  | 991860 |
| tcttatcgag   | attttccagc  | ttggcaattt  | ttatctgata  | cgtcggttca  | tgcttgaaag  | 991920 |
| catggtcgcg   | gctagtttgc  | aggttcatga  | tgtttcggat  | ggcgtacgc   | gctattttct  | 991980 |
| gaaacgtaat   | cttgatgttc  | cttacatagc  | tggcctttcg  | tgaaggaatc  | tgctccttca  | 992040 |
| ggtaataatc   | catcagttcg  | tggagatatt  | ctatgttctc  | gtctatgatg  | gaagtattga  | 992100 |
| tttcttcggt   | cgcttcgagc  | aggagttcga  | agaaatccat  | gaagcgtgcg  | tccagttcca  | 992160 |
| caaaattacc   | attctggtga  | ataacctctt  | tttcgatgag  | cagcttcagg  | cggttctcgt  | 992220 |
| cgtctttcag   | cagagccagt  | gcacgcgaat  | atctgaagct  | gagtattttt  | cttttctcga  | 992280 |
| acatttccgt   | cagcagccct  | cttgccgcgg  | cgacgggtatt | tattatttctg | tgtatcgaac  | 992340 |
| ggaatatgta   | cataatacgt  | ataaaaaatc  | ctcgcaaagt  | tatagcttgg  | cgaggatttt  | 992400 |
| tcctaatttt   | tagcgtttgt  | ttgagccttt  | tccggcagaa  | aattcacctg  | aaaatttgcc  | 992460 |
| ggtactcctt   | ccgcagtgga  | aggaaatgat  | gctattttccc | ggtagctcag  | actttatatac | 992520 |
| taccggtgct   | tttagagaag  | gggagccccg  | aaagggtttt  | ggctttcttc  | aatccaccac  | 992580 |
| tggaaactca   | attgtttcat  | tggcttcggt  | ccagttttca  | attgtgaatt  | ttccggaact  | 992640 |
| ccccctgca    | aaaatatctc  | cgataacaat  | attaaccgtc  | agacgcgtat  | tggctgtcag  | 992700 |
| ggttgaaacc   | agatttttctg | acaatgtatg  | cacacttccg  | tctttcagag  | taatgactag  | 992760 |
| tgtgagcaga   | gggttaggag  | cagaagggaa  | caacatgacc  | attgctgttc  | tcatctcgg   | 992820 |
| attgtcggta   | gagcgacca   | gattgaactg  | tactgttttc  | gtcatgttgc  | taggttctgc  | 992880 |
| agtatacaag   | ttcagctttt  | cggctattcc  | accgatcagt  | acctttatat  | ctgtaattgtt | 992940 |
| tgagttgatg   | actgcgttgt  | ttttagtctt  | gacgattacc  | ttcagtcggt  | ctactacacg  | 993000 |
| attcatgttt   | gcctccagat  | cttctgttcc  | gatgactact  | tccttgttta  | catgtaccat  | 993060 |
| gtcgtataca   | ggaatgtacg  | ttgtatcctg  | actgttcttt  | cgtaggctga  | aatacaactg  | 993120 |
| cgaaagatcg   | gctccgagtg  | tcagtccggg  | ttccacgatt  | gccggagttg  | tgtgaatggg  | 993180 |
| ctcttcggtat  | ttgggagttc  | cccagtatac  | tatgtttataa | ttaccaccag  | gcagtgaaac  | 993240 |
| ctcacgggtg   | taatctcccg  | taatgtttcc  | gtccagaacg  | ttgtagaaac  | cgtaaaatac  | 993300 |
| gcttagcgta   | ttgtttacgt  | agtttccaaa  | gtagatagag  | cttccctcca  | ggcaaggata  | 993360 |
| agcttccaca   | ataccggtga  | gcggactctg  | agatccgttc  | acgcgggtat  | gtaatgtggg  | 993420 |
| agtcacaagg   | ttggttgatg  | atttttagtg  | gaggctgtag  | ctgtcgtccc  | tgcattgctgt | 993480 |
| tgcaattgtt   | aaaagtgcga  | gcgctcctaa  | tgtgattttt  | ttcataagta  | gtttgtcttt  | 993540 |
| atattgaaca   | attaaaagta  | ataaaagttt  | tttcgaaaag  | taagatttta  | tccgaaaaaa  | 993600 |
| gtgaaaaatt   | tttttataag  | tctgacgacc  | gactgaaaac  | aggttttttag | cagggatcgt  | 993660 |
| atgacgtatc   | gcatgccggc  | atataatcagg | ttcctttcct  | cagaagatgc  | aggtattttg  | 993720 |
| tcggattgcy   | gctggaattc  | ggattatttt  | ttgtacaaaa  | acttagagaa  | tttgtacaaa  | 993780 |
| ttttcagaaa   | acgtcgagat  | gtttttggaa  | aagcgcggat  | agctttttcc  | aaagtccgga  | 993840 |
| catcctcttt   | ttgaagtctg  | gacagaaggg  | cacaagttct  | taattaaaga  | aaaacaacat  | 993900 |

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|             |            |            |             |             |            |        |
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| gaaacgtaca  | aaagggatgt | tgaaaatagc | cggaatttct  | atcggtcac   | tgattgcat  | 994020 |
| cgtcttgatt  | gtgattgcaa | tcgtaataaa | ttttgtgttt  | actcctgcaa  | aacttactcc | 994080 |
| tgtggtactg  | aaaacagcca | atcaggcact | gaatgccaa   | ctcgaaatga  | agagtgtgga | 994140 |
| actgactttc  | ttttctactt | ttccccgttt | cggttgaag   | ctggtggacg  | gacatctggt | 994200 |
| ttcgaaggcg  | ctgaatgata | cggtgtggca | gaagaccgat  | tcattgcttt  | cgtttgaaa  | 994260 |
| gtgcgtagtt  | gtaatcagtc | cgctggatta | tttgatgaaa  | cagaagatta  | ccttgaatta | 994320 |
| tctgggattg  | gaggatgctt | cggctctatg | ttacaagagc  | agagaggag   | tagccaactg | 994380 |
| ggatattgtg  | gcttccgata | caactgcggt | tgaaaccgat  | acagcctcgg  | ccgataagcc | 994440 |
| tttgttgcg   | ggaggatatc | atatccgccg | ggtgtctatg  | aaacggacaa  | atgtgatttt | 994500 |
| tgatgaccgc  | gatacgagg  | tatatgctcg | tctgacgaat  | gcgtcactga  | atctgacggc | 994560 |
| atccttgcat  | aaagagcatt | ctacactggg | actgaagttc  | gcgaacgaca  | atatactctt | 994620 |
| ctggcaggat  | ggacagctac | tggtcaacaa | ggttgctacg  | gagctgaaga  | cttccctcga | 994680 |
| tctggaccgt  | cgtacacgta | cccttacgct | gaatggtgcc  | aataatttcga | taaacggcat | 994740 |
| aaccttcgat  | atgaagggaa | ccttgaaacg | cgatacggt   | cagcgtgcc   | tcaacgtgga | 994800 |
| tgtgacgtat  | gccttgcatg | ctccttcgct | ggaaaccgtg  | ctgaacatgg  | tgcccgaag  | 994860 |
| tgtactgaag  | cgtgaggaga | tgacgacgaa | gggcagtgtg  | aagatggagg  | gcgatgtgaa | 994920 |
| gggatggtac  | ggaaagcagc | ggatgcctgc | cgttaccctg  | aaagtgaaga  | tagataaggt | 994980 |
| ttcggccagg  | tacgacaaac | taccgtacgg | gatagatgac  | tttacggccg  | attttgatgc | 995040 |
| ttttgtcgac  | ctgatgcgtg | agcagccttc | gtatgctaac  | ctgaagattt  | tccattttca | 995100 |
| gggagcacat  | acagatatc  | ttgccgatgc | caaggttaacc | gatttgctgg  | gggaccgga  | 995160 |
| tatcacgttc  | aatacgaat  | cgaagcgga  | ccttacggca  | ttggcgaaga  | cttttccctt | 995220 |
| gcaggagggc  | gtgacgatag | gcggaagtct | ggatgccgac  | ctgcacctga  | agtgtcggct | 995280 |
| ttcttctatc  | aagaaacagg | atttgggacg | tatccgtatg  | ggcgaaaac   | tgagatgaa  | 995340 |
| gggcttttcg  | ctgctgata  | cgaacaagga | ttttgagttt  | acaagcgatg  | cttctctcaa | 995400 |
| attcataggc  | aatgataatt | tggcggctca | tgcggagatc  | aacaagctcg  | tcttgcggtc | 995460 |
| taagctgggg  | aactcgaatg | tggagaaact | tacgatgacg  | gtcaagtcga  | ctaaccgca  | 995520 |
| ggatactacc  | cgcatagccg | atatggagtg | caagttctcg  | ttgaaccgat  | tgaaggtgg  | 995580 |
| catgggcat   | tcgcttgac  | tgcttgcga  | gaaagctgat  | gcgacggtac  | gtttgcaacc | 995640 |
| cgaaaagaag  | aatccttcca | tgcctcaggt | gtcgttttcg  | ctgaaagccg  | ataccctgtt | 995700 |
| ctgtcgtgca  | ggacagacaa | agatgggaat | ggataaggcg  | gggttcgcg   | taacagccga | 995760 |
| gaaactgcgt  | gattctctct | ggattccaaa | aggaatcatc  | ggttttaacc  | gcatgaagat | 995820 |
| gttgaccctt  | gaatttgcat | tgcctatccg | tatgaaaaaa  | acttcggtga  | cggtaggcaa | 995880 |
| ccggatgatt  | acgtgaaga  | atgcgacgtt | ccgcgtagga  | cactccgacc  | tgacggctac | 995940 |
| gggatcaatc  | tacgacttgt | atggtacgat | gaaacgcat   | cgcccggtgc  | gtgcaaagct | 996000 |
| ggaaaatttct | tcccgcaacc | tggactgtaa | ccagataatc  | aactcactga  | attttccgga | 996060 |
| agatacactt  | caggcagaag | ccgatacaac | ctcttcttct  | ttggcggtgt  | ttgtcgttcc | 996120 |
| gaaaaatctc  | gatttcgaat | tgcagaccaa | cctgaagcgg  | gtgaagtacg  | atagtatggt | 996180 |
| attcgaagat  | gtacaggagg | ctgtcgacat | tcgcaatcag  | gctgttcac   | tgaagaatct | 996240 |
| gagcatgagg  | ggaatggatg | cgcagatgaa | tgctacgctg  | gtctatcg    | cccgggaaaa | 996300 |
| gaagagcggg  | tatgccggat | tcgatttcaa | gttgcataaa  | atcaatattg  | ccaaactggt | 996360 |
| agaatttgct  | ccgtcgctgg | acacgattgt | cccgatgctt  | cgttcgtttc  | agggggtagt | 996420 |
| cgactttgat  | gcggctgccg | aagcgggtgt | cgactcgaat  | ctgaatatca  | agattccgtc | 996480 |
| gttgcgctct  | gccgtacaca | tcaaggcgga | cagtctggtg  | ctgatggatg  | gagagacctt | 996540 |
| tgccgagatt  | tcgaagatgc | tgatgttcaa | gaacaagaag  | cgtaacatgt  | tcgacagtat | 996600 |
| ttccgtgaac  | atgacgataa | aggatggtaa | cgtgacggta  | tatcctttca  | tcgttcagat | 996660 |
| agaccggtac  | aaggcggctg | tgggaggtac | tcagggactg  | gatatgaatt  | tcaactacca | 996720 |
| tatttctatc  | ctgaaatcgc | ctctgccgtt | taagatgggt  | gtgaatatca  | cgggaaactt | 996780 |

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| aatttcgaag  | gtagacagta | cgcgtatcaa | tatgggacag | cagattgtga | acgatttcca  | 996900 |
| ccggataatg  | agccggaagc | ctgaatccaa | ctaattgtcg | tgctcaggct | ttgtgcgctg  | 996960 |
| catcttgccg  | aaaatgcgcg | ggaattgtat | ggcaaagata | atcgtacagc | agatggcggc  | 997020 |
| ggtagcatcg  | gagattccct | cggcggcata | tacgccgggc | ataccagaa  | aatggggaag  | 997080 |
| gataagtgcc  | agcggaatga | ggagaataac | cttacgcagc | agggctatga | agaccgaaac  | 997140 |
| cttggcttgt  | cccagtgcga | cgaacatgtt | ctggcaggcg | cgctgcaaac | cgaagatggt  | 997200 |
| catacctccc  | agaaagattg | gcatgacttg | ttctacggtc | gctatcagtt | tctggtcgct  | 997260 |
| cgtaaaggca  | gatgctacca | gcgacgggaa | gaggatcatg | aacagtacca | gcacgaagtt  | 997320 |
| gaaggagAAC  | atgatggtca | gcacgattct | gaagcattct | ttcagtcggt | ccttggttgt  | 997380 |
| gcgtccgtag  | ttatagctcg | caatggggac | aaatccttgg | gcgaatcctg | ccagcggaac  | 997440 |
| acttacaatg  | agcatggcac | tctgcatgat | ggtcagtgcg | ctgacgtaga | tatctccgaa  | 997500 |
| tttttccaga  | ctgctgttca | gtacaaaacc | gacgagactt | tctgtactcg | acatgatgaa  | 997560 |
| aggagagatt  | cctaaggcta | agatggaaag | cagaataccc | ttatgtaatt | tcatgtactt  | 997620 |
| gagttccagt  | cgcaaggaag | cttttttcga | agtaagaaag | gatattaccc | agattgcgct  | 997680 |
| gcatgcctgt  | gacaggatgg | tggcgagtgc | agctcccttt | actcccatat | tgaaagtgaa  | 997740 |
| gataaacagc  | gggtccagac | cgatgttcag | gatggcacca | atgagaaccg | aatacatggc  | 997800 |
| aatagcagga  | cgtccctgcg | tattgatgaa | ggtgttcaat | cccacggaac | gttctacgaa  | 997860 |
| caatgtcccc  | agcagataaa | tggaaagata | gtcggttgcg | tagccgatag | tacgttccga  | 997920 |
| tgctccggta  | aaaagcagta | tgggtcccat | gaagatgtaa | gtgatggtgg | aagtcactag  | 997980 |
| cgtaaagagc  | agtagcagaa | taaatccgtt | acccaaaatc | ttgcctgcac | gctcgcggtc  | 998040 |
| accctgcccc  | aaggcaatgg | cggcaagcgg | acttcctccg | cctcctacga | tggcggagaa  | 998100 |
| agaagatatc  | agaatgatga | cggcaccggt | tactccgatg | cctgccagtg | catccgttcc  | 998160 |
| gataccgggt  | atgtgaccga | tatagatacg | gtcgacaatg | ttatagagta | agttttacaa  | 998220 |
| ctgtgcggcg  | acggctggaa | gtgccatctt | gaatataagc | ggcaacatgc | ggtcggttcc  | 998280 |
| gagtctctct  | tcgtatgcgt | ttcccatctt | tgcttttctt | aaaaatcgtg | caaaggtagc  | 998340 |
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| cagcgatcct  | tgaacgtaaa | gtgtgcggaa | ctctcttcgg | tcagtgcgaa | acgggtacca  | 998940 |
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| agaggtagct  | ttacaccgaa | aggtttgcgc | gttgccgcct | tgcacttgcg | gatgtgctcg  | 999360 |
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| ttctatccag  | gctaagggtg | cagctgtttc | gtaagctggg | tacgactgtt | tgcagaattc | 999840  |
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| atcttgccag  | acaggtgtat | tataaaaacc | gtcgagcagg | cgcgacaaca | ggtgtgccgt | 1000020 |
| ttgcagttca  | tcgggagtaa | tcgcttctgt | ttccagcact | tcgtaaggcg | gaaaaggaga | 1000080 |
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| gacacagaaa  | gcacaagtat | tgaagcatcc | acgtgtcgtt | tccagttgca | cgaagggtct | 1000680 |
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| ttgtacgagg  | aatacgtgct | gtccacgaat | agattcttct | taagatactg | caaattcgcc | 1002120 |
| gtcggcgaag  | tgagtaattg | tcatgttacc | cagtgggcat | cctaaactgt | tacagatttt | 1002180 |
| ttctgcaagg  | tatctcgagt | ttgtaccgca | gaacactttg | aatgatgatg | tttcgctcat | 1002240 |
| tgtaatatatt | tgatatattg | cctaaatatt | taagtgcata | gttacgctat | ttcttcaagc | 1002300 |
| atgacaagtg  | aaataaaaaa | actttaatcc | gcaagtgcgt | tcagcttcct | gaaatgttcg | 1002360 |
| atcaggttct  | gataattata | gtcatgattg | ggatcgaact | tggtccacaa | tccgccaaga | 1002420 |
| atcgccgcac  | ctccaaagcc | ataatctttc | acttgcagga | tattgtcctc | atcgatacct | 1002480 |
| cccaatgcga  | taacgcgctt | gtcgattatt | ccttcttttg | cagcctgacg | aatctgttcg | 1002540 |



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|             |            |            |             |            |             |         |
|-------------|------------|------------|-------------|------------|-------------|---------|
| ggggtatatc  | cggcggcata | tccttgcttg | gagatgctgt  | cgaataccgg | actaagaaat  | 1002600 |
| acataatcga  | aattggcttt | cttttctttt | acctcttcca  | gcgagtggca | ggaggtactt  | 1002660 |
| atttgtccgg  | aataattgtc | tgggtcaaca | ggattacgat  | ggttcaggtg | aatacctttg  | 1002720 |
| agattatatt  | cttctttcaa | ataaaagtgt | ccatgtacta  | cgatacgttt | ccggtacttt  | 1002780 |
| tccggaatga  | gggtcagcag | acgttctgca | taaaccgggg  | cggatccggg | cttgccgagg  | 1002840 |
| tgaagatagt  | ccagtccttc | gtcgaaaagc | gtagttatga  | tcttatcttc | ctctacgaaa  | 1002900 |
| tatgtaggct  | tggttatcaa | tatcagtttc | atgtgaaaac  | ataattgtgg | cgcaaaggta  | 1002960 |
| gtaacatggt  | tgtaatatc  | ctaattggtt | aaagcaaaat  | cgtgtgcgta | accattgttt  | 1003020 |
| tgagggtcaat | atgccataat | ttaccgctta | aaacctctcc  | gtatccggcg | ataatcttta  | 1003080 |
| aaacttcggt  | ggcttggggc | cagccaatca | gaccggggagt | tactccta   | acgccttttg  | 1003140 |
| gcggggctgg  | catggatagc | atttcttctt | cgctggggaa  | aagggttacg | tagtttttac  | 1003200 |
| ctccctggta  | attgaataca | gatacttgct | cgctgaaagc  | gcggatggct | ccatacacat  | 1003260 |
| ataccttatt  | caataggata | caggtatcat | ttatcagata  | acgtgtctgg | aaattatcac  | 1003320 |
| atccgtcgac  | tacaatatcg | tactggctga | tgatttctct  | tgcatcttcc | tttgtcaggc  | 1003380 |
| gtgtgggata  | ggctttaaat | gtaatatgct | tggtcagctt  | ttccaatcgt | tgcttggcgc  | 1003440 |
| aaagggcctt  | aggcattcct | atttcagttt | cgttatataa  | tatctgccgt | tgcaagttgg  | 1003500 |
| tttcgcttac  | cttatcgta  | tccacaagtc | cgatagtgcc  | gattcctgca | ccggtgaggt  | 1003560 |
| aagtagctat  | aggagatccc | agtcctccta | cgcctacaat  | cagtactttg | gcctgactca  | 1003620 |
| ataaggcttg  | tcctttttct | ccgatttcgt | ccagtaagat  | ctggcgattg | tatctttctc  | 1003680 |
| tttctttctc  | tgctagttgc | ataagtata  | ttataaaaaa  | gaaaggatc  | cggattctat  | 1003740 |
| tctcatcagt  | ttgcccggga | tacctttcgt | gtatggttgg  | agtcttctct | tttattgggt  | 1003800 |
| ggcggcaacc  | gtacgggtga | gttgccgat  | atggtcgaat  | gaggcatccc | agtctttcca  | 1003860 |
| taccggttca  | cgtccgatag | ccttgagcgc | tttttcaact  | tctacggctg | tacgttcgtc  | 1003920 |
| gctgacgtgg  | aactgttcca | gcgcttgccg | gtaagtgtag  | taacctccc  | gctcgggtct  | 1003980 |
| gctctcggca  | ctcatggtcg | ttaccccgag | tggtgccatg  | tggtcgcgga | tattggctgg  | 1004040 |
| ttcacgggta  | gaataagaga | tatctacatc | gtgatcgaat  | atacgcatgg | caaatgttac  | 1004100 |
| ctgagccagt  | tccttgtcgc | tcatgatgac | attgggctgg  | aatccttcat | tctctgccgg  | 1004160 |
| acgcatgcgc  | gggaagttga | cactgtatct | cgttttccag  | taatgttttt | gcagatagcg  | 1004220 |
| caagtataaa  | gccatcattg | tcacatctgt | acgccagtct  | tccagtcgga | taagaacgcc  | 1004280 |
| catgccgata  | gaatgaacac | cagcctgtcc | catacggctg  | aagccgttta | cacgccattc  | 1004340 |
| gaatttcgat  | ttcatgccac | gcgggtgata | aatattgtaa  | cgtgctttgt | tgtatgtttc  | 1004400 |
| ctgaaagcag  | attactccgt | tcagaccgtg | gttgaccagt  | tcggcatatt | cttcagcttt  | 1004460 |
| aagcggcatt  | acctcaattt | tcaagttaga | gaaatacggg  | tttgccagat | cgagagcctt  | 1004520 |
| tgcatgttaa  | ggactcctg  | cctttgccgg | attttctccc  | gttacaatca | acaggttttc  | 1004580 |
| gaacggggcc  | agttttttga | tggctttgta | ttcgttctct  | attttcttcg | gcgtaaggat  | 1004640 |
| ggtacgtgcc  | atcggattgc | tgatatgaaa | gccgcagtac  | acacacgagt | tggtacatga  | 1004700 |
| gttggtaatg  | tacagcggga | taaacataga | tatagtcttt  | ccgaaacggt | cttcggtata  | 1004760 |
| tttacgactc  | aaatgtgcc  | ttggttcgag | atacttctcg  | gcggcaggcg | aaatcagtg   | 1004820 |
| cataaagtcg  | tctacgtcgc | agtgtgactt | tcccaaagcc  | cgtataacgt | cggcttcggt  | 1004880 |
| ttttgagtag  | atggctttgg | tggtttcttc | ccagcttatt  | ttttctaatt | cgtaactaaa  | 1004940 |
| catgatattt  | atggctagtt | ttcaattatt | tgtatacatt  | ccgctattct | gactaatagc  | 1005000 |
| ggaatgattg  | gttattaaat | gattacttaa | ggttcgataa  | gtcgcgcgat | aacttcattg  | 1005060 |
| cacagaagtt  | aggaccgcac | atcgtgcagt | attcaccatc  | tgtgtgacga | ccttcgttaa  | 1005120 |
| aatattccag  | cgcacggtct | ggatcaagac | tcaagtggaa  | ctggtcgcgc | cagcgggaact | 1005180 |
| cgtaacgtgc  | cttactcaag | gcattgtcac | gtatctgtgc  | acccggatga | cctttggcca  | 1005240 |
| ggtcggctgc  | atgagctgct | atcttgtatg | tgatgactcc  | ggtacgtaca | tcctcgcggt  | 1005300 |
| taggcaatcc  | caaatgttct | tttgagtaa  | cataacacag  | cattgctgta | cccagccaac  | 1005360 |
| caatctgagc  | ggctccgata | gcagatgtga | tgtggtcgta  | gccggggggc | atgtcagtaa  | 1005420 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| ccaacggggcc | gaggggtatag | aacgggtgcgt | tatggcagtg  | gctgatctgg | cgttccatgt  | 1005480 |
| tttctttgat  | tttgtgcaag  | ggcacatgtc  | ccggaccttc  | gatgaatgcc | tgtacattct  | 1005540 |
| tggcccatgc  | gcgtacaacc  | agttcgccca  | ttgtatcaag  | ttctgcaa   | tgggcctcat  | 1005600 |
| cgttcgcatc  | ggcgatacat  | cccggacgca  | gaccgtcgcc  | caatgatacg | gcaacatcgt  | 1005660 |
| attgtgcaag  | tatatcacia  | atatcgtcga  | agtgttcgta  | aaggaatgat | tcctgatcgt  | 1005720 |
| gtaccagaca  | ccatttactc  | ataaactac   | ctccgcgtga  | tacaatacca | cacagacgct  | 1005780 |
| tgtcggcaag  | atgtacattg  | tgacggcgta  | taccggcatg  | gatggtgaaa | tagtcgactc  | 1005840 |
| cttgttcgca  | ctgttcaatc  | agtgtatcgc  | gatagatttc  | ccacgtcagg | tcttctactt  | 1005900 |
| taccgttaac  | cttttccaat  | gcctgataga  | taggtacagt  | acctaccgga | accgggcagt  | 1005960 |
| tgcgtacaat  | ccatttcacg  | gtttcgtgaa  | tggtgtcgcc  | ggtagagagg | tccattagcg  | 1006020 |
| tgtcgccctc  | ccattttacag | ctccatacgg  | ccttgtccac  | ttcttcatcg | atgctggaag  | 1006080 |
| tggtagccga  | gttaccgatg  | ttggtattga  | tctttaccaa  | gaaatttcgt | ccgataatca  | 1006140 |
| tcggttccga  | ctccggatgg  | ttgatatttg  | ctggcaaaac  | ggcacgtcca | gctgctatct  | 1006200 |
| cgtcgcgtac  | aaattcggga  | gtgatatacg  | tatcgatacc  | cagctctttg | cagttcatgt  | 1006260 |
| tctcgcggtg  | agccacatat  | tccattttccg | gggtgataat  | accttgcttg | gcataatata  | 1006320 |
| tctgcgtaca  | acatttttcca | gcttttagcgc | ggtaaggcaa  | agcgatatgc | tcgaaacgca  | 1006380 |
| gatggtcgag  | tgaatggtcg  | tcgcggcgca  | ttttgccata  | ttctgaagtg | atggaaggca  | 1006440 |
| attgttccac  | atcgccacgt  | tccagaatcc  | agcttttcg   | catacgggga | agacctttct  | 1006500 |
| tcaggtcgat  | ttcgatatcc  | gggtcactga  | acggaccact  | tgtgtcgtaa | acataaaccg  | 1006560 |
| gcgcattggg  | agttgtaacc  | ttttctccgt  | tgactatagt  | tacggtagga | gtaaggttta  | 1006620 |
| ctttctgcat  | tcccaccttg  | atgaagggga  | aaagtgttcc  | ttgcatgtag | gccttttcag  | 1006680 |
| catgtgcgta  | tgctcttttg  | tctttttctt  | tatccatgaa  | atagatggtt | attcgtttaa  | 1006740 |
| aaatgatgtt  | agcggagagg  | aagcagaagc  | taccagattt  | tctgactgga | taccaggtcc  | 1006800 |
| tgtctcgtag  | gcgcgtctgc  | cggcaatgac  | agcttccttg  | aaagcttttg | ccattttcaac | 1006860 |
| cggatttccg  | gctacggcga  | tggctgtatt  | gaccagacaa  | gctgatgcac | ccattttccat | 1006920 |
| tgtctcagca  | gcatggcttg  | gagcaccgat  | acctgcatcg  | acaacaaccg | gtacattgct  | 1006980 |
| ctgctcgatg  | atgatacgca  | ggaagtcg    | tgtctgcaat  | cctttgttgg | ttccgatagg  | 1007040 |
| agcggcaagc  | ggcatgacag  | tagctgtctc  | ggcttcttcc  | agacgtttac | acaaagtcg   | 1007100 |
| gtctgcctga  | cagtaaggca  | ataccacgaa  | tcccagtttt  | accagttgtt | ctgttgcttt  | 1007160 |
| cagcgtttca  | gtagaatcag  | gcaacaata   | acgcggatcc  | ggatgaattt | ccagtttcag  | 1007220 |
| ccagttgggt  | ccgaaagctt  | cacgtgccat  | ttgtgcggca  | aaaacagctt | cttcggccgt  | 1007280 |
| acgtacgcct  | gaagtgttag  | gtaatagctg  | tatatgcgga  | tgaataatat | ggcgcagcat  | 1007340 |
| gtcgtcttcc  | ttattttcga  | gttcgatacg  | tttcatggca  | actgttacca | tttcagtacc  | 1007400 |
| cgatgccaga  | atagcatctt  | ccatgagttg  | atttgaattg  | aacttgccgg | ttcccaaaaa  | 1007460 |
| caagcgggat  | tcaaattctt  | ttccggcaat  | aataagtttt  | tccattgtat | ctattttgtt  | 1007520 |
| ttgagttttt  | agaatctata  | ttctttta    | gtatactttg  | tttgaaggaa | cggatcgctt  | 1007580 |
| ctagtatacg  | gtgtgtttca  | tctaccggat  | tgtctgccc   | tagaatcggt | ccactcagg   | 1007640 |
| cgatacctgt  | aactcctgtt  | tgcatgatgg  | caggaatata  | atcgatatgt | atacctccga  | 1007700 |
| tagctacgat  | gggcagggtg  | atgccggcag  | ctttcatttg  | cgatacgata | gaactgtacc  | 1007760 |
| catccagtc   | gagaatcggg  | ctcagattct  | ttttgggtgg  | tgtaaaacgg | aacggaccgc  | 1007820 |
| accgatgta   | atcggctcct  | gcctgatagt  | gcactctgcac | gtcttcgaag | gtatttgctg  | 1007880 |
| ttcctccgat  | aatgaaatcc  | ttaccagaa   | tctgccgtgc  | ttcagcaatg | ggcatatcct  | 1007940 |
| ttttccccag  | atgaactccg  | tcggcatgca  | attcctttac  | cagttccacc | tgatcgctga  | 1008000 |
| ttataaaggt  | agctccgtat  | tccttacata  | aggcttgtac  | acgtatagct | tccgtacgga  | 1008060 |
| cttcttcggg  | agtggcatct  | ttcatgcgca  | gttgaatcca  | gcggcatccc | ccctcgagcg  | 1008120 |
| ccatacgtgc  | cgaatcataa  | taagaatata  | ggtcggtaaa  | atgtgtgata | aactgtagat  | 1008180 |
| ccattgcctt  | atcctccgca  | tgcagcttta  | atgatgacca  | gactgtcgcc | ttcctgtatt  | 1008240 |
| tcctgttctg  | cccactgggt  | gcgaggaatc  | atgcggttat  | ttaatgcgat | ggctacacct  | 1008300 |

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|             |             |            |             |            |             |         |
|-------------|-------------|------------|-------------|------------|-------------|---------|
| tgcgacggta  | gttccagttg  | cacggccaga | gccgaaatgg  | tatttcctgt | ggtaagttcc  | 1008360 |
| acctctttgt  | tggtgacttg  | tactttcata | tataaataat  | gtattagtga | aagtaataac  | 1008420 |
| aaagagctgt  | cccagatcc   | ggagaagatg | taatagacaa  | ataacaatcc | cttcggcggt  | 1008480 |
| actaaccgca  | tcaggtgctt  | agggatgat  | ctcagcccgg  | aatgggcacc | cctttgtttt  | 1008540 |
| tactcgttg   | caaagataca  | ctttttgatg | tatttcctta  | tcttttttgc | attgtttttc  | 1008600 |
| ttttattttt  | aagacttcac  | tttcgtatgt | tcctatctgt  | aatatgggtt | gtattttccc  | 1008660 |
| taatatgggt  | aggtcgcaat  | tgaacacaga | gttttatttt  | tgcacgtttt | actaaaaatg  | 1008720 |
| gaagattatg  | tacattgaaa  | aatcaattc  | tcctgccgat  | gtaaaggcgt | tgtctgtaga  | 1008780 |
| acaaatggaa  | gtgctggcta  | ccgaggtacg | tcaggctttg  | ctgcataaac | tgagtgaaca  | 1008840 |
| cggaggacat  | atcgggtccga | acttaggtat | ggtagaagca  | accattttct | tgcattatgt  | 1008900 |
| gttcaattcg  | ccacacgata  | agattgtata | cgacgtatca  | caccagagct | atacgcataa  | 1008960 |
| aatattaacc  | ggaagaaaag  | aggccttcct | gaatgcagcc  | gattatgata | aagtgtccgg  | 1009020 |
| ctatacgaat  | ccacaggaag  | gcgaacacga | tttcttcact  | atcggacata | cttcgacttc  | 1009080 |
| ggtcagcctg  | gcttgccggac | tggtgaaggc | gcgcgacctg  | aaggagggtg | atgaaaacat  | 1009140 |
| tatcgcagtc  | attgggggatg | gttctttaag | cggaggagag  | gcttacgaag | gcttaagcaa  | 1009200 |
| tgcgggagag  | aacggaacaa  | acatgattat | cgtgggttaac | gataacgaga | tgtctattgc  | 1009260 |
| cgaaaaatcat | ggtggtttgt  | atcagaatct | gcgtctgttg  | cgtgaaacgg | aaggtaaagc  | 1009320 |
| tgaatgtaat  | ttttccggtt  | cactgggatt | ggattatatg  | tttgtgaagg | acggaacga   | 1009380 |
| cattgcttcg  | ctgattgctg  | cctttaagc  | cgtaaaagat  | acaatgcgtc | cgggtggtagt | 1009440 |
| tcacattcat  | acgtgaagg   | ggaaggggta | tttgccctgcc | gaaactcata | aagagcaatg  | 1009500 |
| gcactggggg  | atgcctttcg  | atttgaagac | cggggctccg  | aaatatgatt | tttcgggagt  | 1009560 |
| ggaggattat  | tccgacctga  | ctgcgaagtt | tttacttgat  | gaaatgaaga | aagacaagtc  | 1009620 |
| ggtggttgcc  | ataacatctg  | gtactccttc | tgttatcggg  | tttactcctg | aacgcagaca  | 1009680 |
| gcaggcggga  | cgtagtggg   | tcgatgtggg | cattgccgaa  | gagcatgctg | ttgcgctggc  | 1009740 |
| ttccggcatt  | gcggctgggtg | gcggaacc   | cgtttatggc  | gtatatagtt | cgtttatcca  | 1009800 |
| gcgcacatac  | gaccagcttt  | ctcaggattt | gtgcatcaat  | aacaatccgg | ctacgattgt  | 1009860 |
| tgtctttatg  | ggaaccatcg  | caggaatgaa | cgatgaaact  | catctgggtt | tcttcgatat  | 1009920 |
| tccgttgatt  | tgcaatatc   | ccaacatggt | ttatctggct  | ccgacctgta | aggaagagta  | 1009980 |
| ttttgccatg  | ttgaaatggt  | ctattcatca | gaataagtat  | ccggttgcca | ttcgtgttcc  | 1010040 |
| gggagcctct  | gttgtttcag  | gtaatcagac | gtacgatact  | gattacagcg | atttgaatca  | 1010100 |
| ctataagctg  | gttcggaaag  | gagagaaagt | cgctatctta  | ggtttgggag | cattttattc  | 1010160 |
| gctgggagaa  | gctgttgca   | aacgtttgaa | agaagaaacc  | ggaatagaag | cgacattgat  | 1010220 |
| aaatccacgt  | tacattaccg  | ggctggatgt | tgcatgctg   | gaagacctga | aacagtcaca  | 1010280 |
| ttcgttggtc  | gtaactttgg  | aagacggcga | gatagacggt  | ggatttggtg | agaagattgc  | 1010340 |
| tcgtttctat  | ggtgattcgg  | acatgaaggt | cttgacttac  | ggtgttcgta | aagagtttgc  | 1010400 |
| cgaccgttat  | attacagagg  | agctgctgaa | agaaaaccgg  | ttgactgaac | cgcagattgt  | 1010460 |
| agaagatatt  | cgtaagttct  | gttgagagca | aggtcttgag  | atgctcaa   | tatcggttct  | 1010520 |
| caagtaaaga  | taggagtcta  | tgaacacgct | attttcagga  | agatgagcct | gtaatgtaag  | 1010580 |
| gcttgactga  | tagtttattt  | acaataaata | agaggtaagg  | attttcagta | ctaaaatgag  | 1010640 |
| tattgtttgc  | tgattgcttc  | ccgatagggt | ttctcaaata  | ggcgagggtc | tcattcttga  | 1010700 |
| aatgaatact  | ccggagggtta | ttgattatca | tttcaaaaac  | gaaaagtatc | gtatcaggct  | 1010760 |
| ctgtgtagag  | ttatgatacg  | atgcttttct | ttgttctcaa  | ggtgttttaa | cttcagattt  | 1010820 |
| aaagtcttc   | tttattaaga  | attgatttag | acacctcttt  | ttatgtttat | ttcctttgag  | 1010880 |
| attgttattc  | ttttgaagtt  | ggggattgtt | gggaatcctc  | ctccttgctt | ttatggctta  | 1010940 |
| taaggaaactt | gccagtcac   | tctgcctgtt | tggtgttatt  | taatccattc | tcttcccaaa  | 1011000 |
| cttagtgctc  | agagtgttc   | gatacggatg | gtgaaatcac  | ccagactgtt | cggtagtaaa  | 1011060 |
| ggatagagct  | gcgggtttgc  | attggagtat | ggcaagtatt  | taactttgat | aactcgcac   | 1011120 |
| gtcccttccg  | gatcgcgacg  | tccgtcgttg | ttgtccacca  | tgtacaatgt | atcgataaat  | 1011180 |

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|             |             |            |             |            |            |         |
|-------------|-------------|------------|-------------|------------|------------|---------|
| ccttcctcgt  | cgaatgctgc  | tccccatagt | gtgacagcat  | gtgtcgacca | ttttctacct | 1011240 |
| atattaacaa  | tgaataaaac  | acccttttgc | gatgacaatg  | cctctttgat | aatcgcatg  | 1011300 |
| aaattctcgc  | gtgtcaggtt  | cgttcctaca | tattcctgtc  | ccaaggagcg | agttcccagt | 1011360 |
| tgtcgggtga  | agaatcctgc  | ggcaggattg | ataggggtctg | attcatatat | cttggtgtgg | 1011420 |
| aatactccgt  | tgaagaacca  | gttgatagct | ttcagtgga   | aatttccctg | gttcgggaaa | 1011480 |
| tttcttttgt  | agagctggaa  | gatgtcgtg  | tgcaacatgt  | cgacgggtac | ggcttgcgga | 1011540 |
| cccttgtagg  | ccttgaccgc  | ctctgtttca | ccgttttgct  | tcagccacca | gtgaatcagg | 1011600 |
| ttggatgttg  | cggcggccca  | gcacatcagt | ccgtcgcctt  | tggacgttac | gtccgatgga | 1011660 |
| tcgatcttgt  | tgacgtcgaa  | ccatccgcag | tcttttacc   | atttcaactg | agtatggtct | 1011720 |
| atgttccatt  | gctcgggagt  | tggttctttc | accccataga  | cccattttgt | cttaccggca | 1011780 |
| aatgtatcgg  | gtttatttcc  | tttctgtaca | ttgatgcggt  | aagtgatttc | tttgccggct | 1011840 |
| tccagcttgt  | ccagtgtatt  | tccttcaggt | atttcgggaa  | cctgtgcaat | gctctctttt | 1011900 |
| ccttctatct  | ggattcgtat  | ccagccttct | gagcgttaagg | cttttgtttc | ttgtgggcac | 1011960 |
| agcaaggccg  | tccatgtctg  | gttgtctgcc | tgcttcaatg  | gcgtaatcca | ttcatagtgg | 1012020 |
| gacggagcat  | ctaagtacc   | gttggctaga | ttgaatggca  | gcacacaagg | agtatgtatg | 1012080 |
| ctgatttttg  | cctgttgcag  | ctgggaagtc | gtatacgaat  | gatccttact | ttccagcacg | 1012140 |
| atgtgcagac  | ggtttagagc  | atgactgaag | tttagatgta  | ctttttctcc | tgattgaacc | 1012200 |
| tgagcttttg  | ccagcaacaa  | gtccgagtgg | cggtaacctg  | cgccttgctg | gtccgtttca | 1012260 |
| atcgaatgag  | aatagttgga  | tgaagctga  | cttgcctgat  | aaaggcggtg | catggaagcg | 1012320 |
| atgtgccatg  | cagtaaaactg | tacctgatct | cccagttctt  | tccagtatat | ctcaggtttc | 1012380 |
| catacgccgt  | tctccagatg  | gagtataat  | tgctttgtat  | gtccgttggc | aacgttttgt | 1012440 |
| gcataatcca  | gcagggagtc  | gccttcttca | aagtgcccg   | tgccatcggg | gtttattata | 1012500 |
| gctcgtgaag  | ccttcagtga  | catatcccat | tcaacctggt  | tgccagaaac | tggcattgct | 1012560 |
| tcgttttccg  | gtatgtttct  | ggaacacgaa | gcaatgcaa   | gagtcaacaa | gctagttctt | 1012620 |
| agaaaagtgt  | ttaagtatga  | aaccttattc | atcattttta  | ttgttccttg | atatgtataa | 1012680 |
| ttatgttgct  | tttatgaaaa  | ggaacaacgg | atgaatcgaa  | aaaggttctt | ctttgacggg | 1012740 |
| tattttaata  | ttaattagga  | aatacttttc | tcagacgctg  | tagctcgctt | atttatttct | 1012800 |
| ggtgacggta  | taaagtactt  | taccttcttt | gtttatcatg  | tgtaggttca | gcactttctt | 1012860 |
| gtcggctgtt  | atcagtga    | atccggtttc | actgatacag  | aatttggtac | cgttgatagg | 1012920 |
| cttgacttcc  | cgacccaatg  | aaccggaagt | gtttacaaca  | tagtcgatgg | agctgttcgg | 1012980 |
| ctggcgga    | tgctggaagt  | tatgtatatg | tccgcataag  | tacatatcta | catttttatg | 1013040 |
| cttgcggaagt | acagcatcca  | gacgtttctg | taaatcggtg  | cgttcggaag | tgctcttgct | 1013100 |
| tgtgtctgca  | taaaatagggt | gatggcctat | taccagtacc  | cagtcttcc  | tggctgtagt | 1013160 |
| aagtactgag  | tctacctatg  | cgagttcctt | gttcatatcc  | tgtttgcagg | catcgggata | 1013220 |
| tttttcgggtg | tccttcgggt  | atttatccag | cagaggagcc  | gtatctacca | taaccagtcg | 1013280 |
| tacggttaca  | ccgtcatttt  | cttctacg   | agtgtaatag  | cggtcgggca | ttctccagcg | 1013340 |
| tgactttacg  | ttgctgtagt  | cgatgaccgc | ctgagtgttg  | cctcgatact | catggttgcc | 1013400 |
| gagaacagga  | taccaggga   | tcacaggtc  | cggatgactg  | tatatcagtt | cgtagtttgt | 1013460 |
| catccacagc  | ggatcggtta  | cgctgcgaac | accttcaaag  | tgatgaacat | cgccggcagc | 1013520 |
| tactacaaat  | tcgatgtcga  | cattttctgc | cattttgccc  | atcagttcgg | caatgggttt | 1013580 |
| ctgggcgtag  | taaccgtttc  | gtcccaagtc | attggctaag  | atgaagtga  | caggcttttc | 1013640 |
| cagctttttc  | cattccgttg  | cgttttgggc | aaatccactt  | atagcgga   | gagcgacaca | 1013700 |
| cagtgtgata  | aatgttttct  | tgattgaagt | cataataagt  | tgtgttttta | aataccatgc | 1013760 |
| aaagtggat   | gcagaatctg  | aaaaaaatat | gaatttttgc  | accccttgaa | aagtttttta | 1013820 |
| cggaaaagaa  | aaggtccgaa  | accttggaat | agctccgaac  | ctttcttatt | tgacaaagt  | 1013880 |
| taatttaacg  | tgagttcgat  | ataaagatta | aaattatcag  | tttgaaaatt | aggaacatag | 1013940 |
| cgataaaagc  | attaaattta  | tagtgtctaa | gtataacatt  | taagcgatta | ccactatggt | 1014000 |
| ctcagagtct  | aaagttacgg  | agattttttg | tatggcggat  | gatttttgca | aggaatttgc | 1014060 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| caaaacacag  | gaaaaatata  | tgggtgaaga  | aaagaatcat  | aagcatcgga  | acaagccgaa  | 1014120 |
| ccggatgagt  | gatgcggaaa  | tcatgggtcat | cttgatcctg  | ttccactcgg  | gaggcttcag  | 1014180 |
| atgtttcaag  | cattactaca  | aagaatatgt  | atgcaaacat  | ctgacgcata  | tctttccag   | 1014240 |
| acgtgtgtcc  | tataaccgtt  | ttgtggaact  | ggaaaaggaa  | gtcctgttgc  | agctgaccat  | 1014300 |
| tttcatcaag  | gaagtcctgt  | tgggtacctg  | caccggatc   | agctttgtgg  | attccacccc  | 1014360 |
| gctgctgtga  | tgccggaacc  | aacgcatatt  | gattcacaag  | acttttaagg  | gtctcgccga  | 1014420 |
| acgtggaaaa  | tgctccatgg  | gatggttctt  | cgggtttaag  | cttcacctga  | tcatcaacga  | 1014480 |
| taagggtgaa  | atcctcaatt  | tcatgttcac  | tccgggaaat  | gtggatgacc  | gtgaaccgct  | 1014540 |
| gaaacagaca  | aagttcctga  | agaatataaa  | agggaaactc  | tgtgcggaca  | aggggtatgt  | 1014600 |
| cgggcaaccc  | ctgttcgaga  | acctgttcct  | taacggcata  | cagttgataa  | ccaaagtga   | 1014660 |
| gaacaacatg  | aagaactccc  | tgatgaacgt  | ggcggacaaa  | atcctgtctga | gaaaacgtgc  | 1014720 |
| tttgattgaa  | acagtcaatg  | acgagttaaa  | gaacatcgcc  | cagattgaac  | actccagaca  | 1014780 |
| ccgttccttc  | aataacttta  | ttgccaactc  | gctctctgcc  | atagctgcat  | actgcttctt  | 1014840 |
| tgaagaagag  | cccgccattg  | acgtttgttt  | tgtcaaagac  | ggacaactca  | cgatgtttta  | 1014900 |
| atattatttcg | aactcacgtt  | aatttataaa  | ttagaaatga  | ttattttgtt  | ccgtaagcac  | 1014960 |
| caaagcgagc  | ttctactttc  | ggagaagtat  | aagtctgtcc  | gtttatgctc  | aagccttctg  | 1015020 |
| ttccgaaata  | aggagccata  | gcttcatcgt  | ttccgctgta  | agcacctgtc  | aggaccggag  | 1015080 |
| agccagcttg  | tacatggaag  | tcccatgcat  | cctgatagat  | ataatcggtc  | agtgtactgt  | 1015140 |
| cgttgatcgg  | gaagttgacg  | aatttcggat  | cattgatagc  | acattctgct  | tcggttttgg  | 1015200 |
| taatgatact  | gtgtgcatct  | accactcctt  | cataatagtt  | tttgtgagcg  | taagcatatc  | 1015260 |
| cttcccatga  | ataagcaaca  | cccgatctgt  | ctgtgaatac  | tacatcactc  | ttctgagttc  | 1015320 |
| ctgaggcata  | gtaattatag  | tcgatgactg  | actggctgca  | atataccttca | tccggattgt  | 1015380 |
| ttggcttgct  | atagtttagga | gtcatggctc  | tgaacttaca  | gtttaccatc  | aggttggtga  | 1015440 |
| atacattggc  | aaatgcattc  | ttttctacat  | aaacacatcc  | gcctttttct  | ccgtcacgac  | 1015500 |
| gccagccggc  | attgatgatt  | gtattgttgt  | aggcctggat  | ttttgccatt  | ccacggctctt | 1015560 |
| cactctgacc  | tgagcttgac  | agtttcaatc  | cgtagtggtt  | cgggctgaac  | atgatgtttc  | 1015620 |
| ctgcgacgtc  | ggctacacaa  | cccgttttca  | tattttactgc | ttcagcaccg  | tcgtatccgt  | 1015680 |
| tggctgcgaa  | aatattgttg  | gcaacgattg  | ccttacctcc  | catcaggtag  | ataccgtccg  | 1015740 |
| accagccgtt  | acgcaggata  | gaattagtaa  | tgacataacg  | tccgttgatg  | ttgtcggttg  | 1015800 |
| taatctgcgg  | gtaagcatca  | tcgccggcag  | tatagatacc  | tgcgctggct  | gccggagAAC  | 1015860 |
| ctttaatgac  | ctgagcaccg  | gtatattcga  | tgatgggtgtg | atctatcagc  | atcttctccgc | 1015920 |
| aggtagaagt  | tgctacgata  | cctccccaca  | aaccttccaa  | tgcatTTgt   | tctgtacgtt  | 1015980 |
| catcttccgg  | aaccgagaat  | aaaactgggt  | tttcggcagt  | accttcacag  | tacaagtttc  | 1016040 |
| cgtttacagt  | aaattctata  | ggggcatgg   | tggctccaac  | tccggcagt   | cttacgatga  | 1016100 |
| tttgcgctcc  | tgctttgatg  | atgaggcttt  | ttccttcttg  | aacagtgtaa  | tggttggtca  | 1016160 |
| ggtttacgat  | agtatcgccc  | ggccatacga  | tgacattatc  | gtcggtttgt  | tctccattat  | 1016220 |
| cgttgtttcc  | cggattttca  | gtattgcttc  | cgtttgaaac  | agtttcatct  | tccgagcagg  | 1016280 |
| cagtcagtaa  | agataatgct  | accaaggctg  | taccagccag  | caaataattt  | ttcagtttca  | 1016340 |
| ttttgtaatt  | aattttgttg  | ttagtgtctg  | atTTataatt  | ggattatagt  | ttgtatctga  | 1016400 |
| tgcttagcat  | gaacgattgt  | ccgtgccatt  | ccttacgttc  | gatgacattg  | ccgttcttgc  | 1016460 |
| gctctgagtt  | tacactttcc  | gtgtgaggac  | cgctctgaat  | gaaacggagc  | aggggagtat  | 1016520 |
| ccagcaggtt  | ggatgctttg  | gcaaaaaggc  | tgatgccgtt  | tttgaaactc  | ttttctacgg  | 1016580 |
| aagcatccag  | ctgcatatag  | ccgtcttccc  | agatatcgtc  | gttataccag  | ttggaaatgt  | 1016640 |
| cgctcaggcg  | cttgccggta  | taactgccgg  | cgatttgtcc  | ttcccagccg  | tatttggtgc  | 1016700 |
| tcttgaagag  | caaagacaga  | ttagctacgt  | gggcagcctg  | tccgaacagc  | ggacgagtct  | 1016760 |
| gtgaaacact  | ttttacgtca  | ttaccttcca  | tgatacgctt  | gcttgtggtg  | atggaagaat  | 1016820 |
| gtgtatacgt  | atagtttgcc  | ttgattccga  | accagttgaa  | gtatttcatg  | atgtctactt  | 1016880 |
| ccacacccag  | gttgggtggca | ttaccgaagt  | tcatcggttt  | gtagtaagta  | tctggtccct  | 1016940 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| cggttcagcag | accatattca | atcgggttct | gtaatctttt  | atagaacata  | cccaccatga  | 1017000 |
| actgttcgga  | tgtcttgggg | aaaaattcat | atcgtaagtc  | aatgttgtcg  | gctaccgtat  | 1017060 |
| gtttcaggtc  | aggattacct | ttttccttat | agtcttcgtt  | gataaactg   | taaggcacia  | 1017120 |
| tctcgaagaa  | actcgggcgg | ttgatggagc | gtgcgtacga  | gaagcgcagg  | ttggcattct  | 1017180 |
| tgtgtactcc  | gtattttacg | tggaagcttg | gcagtacatc  | agtatatttc  | tggttacctt  | 1017240 |
| ccggatcagc  | attctcggta | ggaaattcca | gtacatatcc  | ctgattgggtg | tggtccacgc  | 1017300 |
| gtactccggc  | aatgaattcc | cagttgcggt | aggtatattt  | tgccattccg  | taggcagcac  | 1017360 |
| cgatcttttc  | cgaagcgtca | tagttcagcg | ggtcgctgat  | gtttccgtat  | ttctggggag  | 1017420 |
| taaacagaat  | ctcgtcgtag | ttgttccagt | cctcaccttg  | atactgcgga  | tccttccactc | 1017480 |
| ccgtagcaga  | gttgaacgtg | tattcattga | agaagctggt  | gcgtttttta  | tcacgataca  | 1017540 |
| tacctccggc  | ggagaagtcg | aatacagaac | cgtcgttcag  | tttcagcttg  | tacatcaggt  | 1017600 |
| cgacgtaccc  | cgttttatcc | ttgtcggaa  | tatgttccca  | ccggcgggta  | gcggctccc   | 1017660 |
| aagtctgtac  | atggcttcct | tgcatataaa | tttccgtatt  | atcaggggtt  | tcgctgtagg  | 1017720 |
| ctttcgatat  | gacagccgac | cagttcaggc | ggagggcacc  | atcatccaga  | aaggcatgtt  | 1017780 |
| ctcccttcaa  | ggtagaattg | acgatgtact | ggtggttcca  | tttcatacgt  | accgaacctt  | 1017840 |
| ccttgtcgtc  | gtggctgtcg | cggacttcgg | cctcgcgcgt  | gtccatatag  | ccgttgtacc  | 1017900 |
| acgtcagttt  | atgattggca | ttgatgtgat | aatcgagttt  | ggcatgtgct  | ccgatacgcg  | 1017960 |
| tctgctgaga  | agaatagtta | cgatattcag | taccgttgtg  | cgacgttccc  | ggctggta    | 1018020 |
| acaactgact  | ttccttgcct | cgataggtat | tcagataact  | tccggcaagc  | attacaccca  | 1018080 |
| gtttgtcctg  | aaagaaacgg | tcgccgtaag | acagtcctgc  | ggtcaggtcg  | ggcaatggct  | 1018140 |
| ttttccatgt  | catgtgcaga | ttgtcggtcg | tgaaattatc  | cattgtcacc  | cggttgtctt  | 1018200 |
| ctggtttgcc  | catctgttcg | tagggcgact | gcttgacaat  | ggctccgtga  | ttgaacgact  | 1018260 |
| gaaagtcgcy  | gtcgaaatac | atggcgttgt | agccggtaga  | aatattggct  | gtgaattgtc  | 1018320 |
| gttcggaagg  | agcatccttc | atgatcaggt | tcaccgcacc  | accgattccg  | tcgccttcca  | 1018380 |
| tgttggcggg  | aagcgacttg | gttacctcca | gccggctcgag | catttccgag  | gggaaaatat  | 1018440 |
| ccagcggaa   | gaaacgggtc | ttgttgtccg | gactcggaat  | ctttacgcca  | ttgatcaacg  | 1018500 |
| tatagttgta  | acgcttgtcc | ataccacgaa | gaatagcgta  | ctggccttca  | ccgctgctgt  | 1018560 |
| tacgttcgat  | ggtcacaccc | gacatacgt  | gtattacgtt  | tgctacggta  | atatccgggtg | 1018620 |
| aaagttcgat  | agccttggca | ctcatcacgt | ttaccacatt  | catggccgaa  | cgttcgatgc  | 1018680 |
| cgcggtgctc  | ggcttctgtc | cgccccgggt | tggtcgttac  | caccgtgacg  | ccttccagta  | 1018740 |
| ccacatcgtc  | gcttttcagt | ggaatgacga | tttccgtatc  | cttatttcca  | atctctatct  | 1018800 |
| cacatttctt  | atatcctacg | taggaacata | ccaatgtata  | tttaggacgt  | gctaccgaca  | 1018860 |
| ggttaaagct  | tccgtccatt | cccgatactg | cacctttacc  | gggttcttcc  | ttgataagaa  | 1018920 |
| tggaagctcc  | gataatttct | tcgcctgtct | gtgcgtctgt  | taccttacct  | tttatgtctc  | 1018980 |
| ttgcatggat  | gtttgttgtt | gcaagaagta | gtaaacctaa  | taccaaactt  | gatttcatct  | 1019040 |
| gttttttttt  | attttgacgc | tgcaaacgct | aggccttgtg  | tttttcatgg  | tggtttcggg  | 1019100 |
| gatatttcaa  | aaatgataca | aaataaaatg | aaagtgtgac  | gtttttattg  | atgcctgaag  | 1019160 |
| aggacgaaaa  | aaaacatgca | gacgttttca | gaaaaacgtg  | ggcacgtttt  | agggaaaacc  | 1019220 |
| tcagcatgtc  | tttttatatt | ttgtacaaaa | acaaaagaaa  | acgtcggcgc  | ctttttgaaa  | 1019280 |
| gaacttgaaa  | aagccttcag | aataggctgt | agggcgggtt  | cggcttaatc  | gtcggaaactg | 1019340 |
| gaaccggttg  | ccggcagttg | tatgcttttt | tctatttgtt  | cccagtagtt  | gcatacatct  | 1019400 |
| ttccaatggg  | agtaagggtg | tatgtctgta | tccactggca  | gtgtgacttc  | ccgttcgttg  | 1019460 |
| agtagaattt  | taaccagaat | atcgtcattg | ccgggcttgc  | ggaagaagat  | aagctggatg  | 1019520 |
| tttccacaca  | tcgggatgat | gcggtatgtg | cggttaagat  | cggctatttt  | ctgccagtcg  | 1019580 |
| gtcgtggcgc  | aagtcagctt | gttgataccc | atcagtcgag  | ccagcggggc  | aaggttcgta  | 1019640 |
| tcgtgtccgt  | aacgcaacgt | tacaccgttt | ttcttcgaag  | caatgactgt  | atcggtctgtt | 1019700 |
| tcgatgaaat  | tcttcagcag | gttgcgttct | agcttgtaca  | tacacgagcc  | gctcagcgga  | 1019760 |
| gaagctcctt  | tttcgtaata | ccattcaaa  | ttgttgcgtt  | gccacaggtc  | gtaacgttca  | 1019820 |

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|             |            |            |             |            |             |         |
|-------------|------------|------------|-------------|------------|-------------|---------|
| cgaggagtaa  | acaggaaaga | aaggtcttcc | tgctggtaac  | tgctctggct | gatgccgtcg  | 1019880 |
| agttcgaaca  | aatcctccat | cagctgtacc | ggatccttta  | tgctgtccgg | ttcgacgaat  | 1019940 |
| agttgtttca  | tcagtctttg | cggatgaaca | tataactgt   | cggctgcacg | gtataactg   | 1020000 |
| tcggcattgc  | ccagatgcat | ttcttcgtag | gctggattct  | tatactttat | ataataagcg  | 1020060 |
| tcgtgttcgc  | tggcatcggg | tgtgatgatc | agctcgggat  | tcagtccctt | cagttccaca  | 1020120 |
| caagcggccg  | ccatcgagag | aaatgcacgt | gtcttgtagg  | tcgagcgggc | atctacatgc  | 1020180 |
| gtaccgttcg  | aaaaaacttg | cgggtagttg | gcatacatgc  | ggcgtatcag | ctctcgatgc  | 1020240 |
| tgctggggcac | ctttgggcgt | gagttcaccg | tatctgcctt  | cagcttctgc | agccagactc  | 1020300 |
| tcaataatct  | ccagcgcacg | tttgccgtcg | gcgggtgagct | gattccggtg | tgccgcttcg  | 1020360 |
| cgcaggatac  | tcaagggagc | atcgtatttt | ttcttcttgg  | taagatagcg | tgagccgtgg  | 1020420 |
| cgggcaaagg  | tagatatata | aaacggtgta | tatccttcgg  | gagcgggagt | aagcgatggt  | 1020480 |
| tccggtgcct  | gataagcgta | atatttgccg | gcggcgagtg  | ccggattggt | ctggatttct  | 1020540 |
| tcgaaggcgc  | tttgtgcaaa | agccggagca | gacagcagtc  | cggccagtaa | catagaaata  | 1020600 |
| actgtttgtt  | tcatttgact | ttttcgattg | attcagtggt  | taaaaataga | tgctttctgt  | 1020660 |
| aaaatattcc  | tgctttttta | agccgatatt | gtcctctgga  | agccggatga | aacgaacttg  | 1020720 |
| taacatgaat  | gtaatcacga | agaaggccgt | tccgagcaaa  | gaatacctgt | tgctcaaaac  | 1020780 |
| ggcttgatat  | gatcgatgtg | tgtgtaatcg | atggggcttt  | tgccggtttc | gaatctctct  | 1020840 |
| tatttataga  | tgagatattt | gataaagaga | taacctccga  | acacctgcaa | tgccattccc  | 1020900 |
| ggcaatccaa  | tacggaaatc | ttgtaaggct | gtgtacagac  | taccgctcag | tgcccattca  | 1020960 |
| cccagcgtgc  | ctgttacctg | atagaaggcc | actaccagca  | acagaagcaa | tacagaaacc  | 1021020 |
| tgcttgctgc  | ggtgtgcaat | gtatccggct | ccggcagcaa  | ggagtactga | tttcatcaag  | 1021080 |
| atggcagggg  | gcacagcggg | agcaggcatc | ccgaacaacc  | aagagttgat | gagaggagaa  | 1021140 |
| gcaatggctg  | tcagcactcc | ggctttccat | ccatacttgt  | aagcgccgat | gagggtaaag  | 1021200 |
| aaatagatag  | gcagccacgt | ggttcctcct | gcggggaaga  | ggtggaacag | ctggggcagc  | 1021260 |
| acgatatttc  | cggctacgaa | catcagtgca | gtcaggtaag  | tctgcacttc | ggtatagtta  | 1021320 |
| agcgaataaa  | gttttacggt | cgatttcatg | atatgtcttt  | gttttaaata | tgattcttgt  | 1021380 |
| ttctgagttg  | tgcgacaaac | gctttgatgg | caggatacat  | ttcttcggga | gtatttagat  | 1021440 |
| ccttgacggc  | tgtttccagc | ggacatctgc | cggctctgtc  | gcggttgatg | atgaaggggtg | 1021500 |
| tttcttctgc  | atagcggacc | gggatacctg | cctcacgcaa  | taccgagagc | gcagagggtgc | 1021560 |
| tgatgacgtc  | ggtatatacc | tctttcatct | ttcccaatgc  | gataagagca | gccgctcctt  | 1021620 |
| tcccagataac | cttgctcggt | atgcgggcac | cttgcatgaa  | tgctttctcg | ttttcgtaca  | 1021680 |
| agtcgtacag  | gtcggctact | ccgcgccggg | tgaaggtagc  | gatttttcct | tccttctcta  | 1021740 |
| ttacgcacga  | atagcctccc | gtatgtagtt | tctcaatcag  | ttcttccatc | ggtttacaac  | 1021800 |
| gtttcttgct  | tgagttgttc | tacatactga | tctatgcggt  | gcaattcttt | cggtagtgcg  | 1021860 |
| atggactgcg  | ggcagtgagg | tacgcactgg | ctgcatccga  | tgcagtggct | tgcttgacgc  | 1021920 |
| aactttggta  | cacttcggtc | gtagcctacc | aggaaggcgc  | gtcgtgcctc | ggcgtaattc  | 1021980 |
| tcgtcgagct  | tgctctttgg | catatacccc | tcgttcacac  | atttattata | atgtacaaga  | 1022040 |
| ataccgggga  | tgtcgatacc | gtaagggcaa | ggcatgcaat  | acttgcagtc | gttgcacgga  | 1022100 |
| acggtaggat  | agcgcagcat | cagctgtact | gtctcttcga  | ggaagtcttt | ttcttcctgt  | 1022160 |
| gtaagcggta  | caagtggaga | atacgtgcgg | atattgtctt  | gcagatgttc | catgtatgtc  | 1022220 |
| attccactca  | acacggtcag | taccttttcg | ggtgagccgg  | caaaacggaa | cgcccacgaa  | 1022280 |
| gccacactgc  | cctcgggatt | gcgttctttc | aaacgtgtaa  | acacgtgttc | cggaatgttc  | 1022340 |
| gaaagtcgtc  | ctcccagcaa | tggttccatg | acaactaccg  | gaatgttttt | cttggtgact  | 1022400 |
| tcgctgtaca  | gatagtcggc | attgatgtta | ttgcccgatg  | catgtttcca | gtcggaaataa | 1022460 |
| ttcagctgaa  | tctgtacaaa | atcccagtg  | accttgtcgt  | gcagggcaag | tgcttgtcgc  | 1022520 |
| aattcttcct  | tgatgccgtg | gaacgacat  | cccaaattgc  | tgattcttcc | ggcttcacgc  | 1022580 |
| tcttttagta  | ggaaatccag | cagtcggttg | tcgaggaaac  | gtccttccag | tcctttctta  | 1022640 |
| ccgggagctc  | ccagcatgtg | gagcaagtag | tagtcgatgt  | aatccacttg | caatttctcc  | 1022700 |

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|             |            |            |            |             |             |         |
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| tccgaccatc  | cttgtacata | tacgggggct | gtatcgaaat | aattcactcc  | gtgttcgatg  | 1022880 |
| gcataatcca  | ccagtcgggt | tacttcttcc | tgatcgatga | catttcctgt  | gccgtcggga  | 1022940 |
| gcggggagtg  | tcggccagcg | catgcatcca | tatcctaaca | gagatacctt  | atctttatat  | 1023000 |
| ggaggaaaat  | tacggtacgt | catcttaccg | attggtaccg | gagtatttcc  | ttctttttcc  | 1023060 |
| gtgtcttttt  | taggcgaaca | tccgtaaagc | gaggcagtag | ctcccagcgt  | actgatacct  | 1023120 |
| acaatcttca  | ggaagtccct | gcggttgata | ttgtgttggt | tgtccatttt  | cctatatattt | 1023180 |
| tttgaaaaga  | gttagcatga | aaaataaatt | aaatcacgcg | gtgatgttcg  | tgcccttcca  | 1023240 |
| catagatggc  | gctaagcgga | cgtgccggac | agagggtttc | gcaggctccg  | caaccgatac  | 1023300 |
| agcgctcggg  | attgacggcg | ggaatcttga | gtgattccgg | atcttcaggc  | tccgatggaa  | 1023360 |
| tcatggaaaat | ggcatttacc | gggcaatgac | gggcgcagtt | accgcattcc  | tgcttgctcg  | 1023420 |
| tgagtggaaat | acaatagtct | tttaccata  | cggcgtgacc | aatctgaatg  | gaggatttct  | 1023480 |
| cggctttgtc  | tatcttgagg | atagcccctg | cgggacagac | ttccgaacat  | ttggtacatt  | 1023540 |
| ccggctcggca | gtagccgcgt | tcgtaagaca | tggtaggttg | cataaaaagta | tcgagtgact  | 1023600 |
| gtgacggacg  | caatacttcg | ttaggacatg | ccgatacaca | caactggcaa  | gctgtacagt  | 1023660 |
| gctgctgcat  | gttgctgctg | ctttgtgatc | ccggaggagt | aatcggcgct  | tgacgcttcg  | 1023720 |
| gcgctttctt  | atcgataatg | tctgccagtc | cgccgtccat | cttaatcttt  | tcagcctttt  | 1023780 |
| cggcaacttg  | tgctgaagg  | gaagaggcca | gcagaagcag | ggaactggca  | aggaattctc  | 1023840 |
| gtctgttctc  | gcctttcggg | tgggcagccg | gttggttttc | ggtcttttta  | gcgtaggcaa  | 1023900 |
| atcggtagtg  | gatagcatct | ttcttgcat  | ttccgataca | gttcatacaa  | gccacacatc  | 1023960 |
| gactgtgggtc | tacctgataa | ttggccgtat | cgatacacga | tgcccttgag  | ttgcgggcac  | 1024020 |
| acagcgtaaca | cttggtgcat | ttctccttgt | cgatactgat | gcggaacaag  | gagaagcggtg | 1024080 |
| aaaggaatcc  | caggatggta | cctaccggac | aaatggtggt | gcagtaagta  | cgaccgtttc  | 1024140 |
| tccatgccag  | aacaatgaca | agtactgcca | tggctatggc | tataataaag  | gtaggcaggc  | 1024200 |
| ttttaagcca  | tacatccgtg | cggtagaatg | cataactgtc | catccgttcc  | gcaatggctg  | 1024260 |
| ccagcagggt  | gttgccccag | atccatatag | gctggaaaac | attattggcc  | attcgtccgt  | 1024320 |
| aaatgccata  | cgggtcgagc | agtgtctaaa | aggcatgtac | gccggcaatg  | aaagcaacga  | 1024380 |
| ccaacaggat  | gagcatgaca | taccgcagcc | aattcttggg | cttggaatag  | gtgtagggca  | 1024440 |
| tttttttctt  | ccctttgcct | atgcgcgcca | caatgtcctg | aaagactcct  | aacggacaga  | 1024500 |
| tgaccgaaca  | atagatacga | ccgcctacca | gtgtaagcaa | aactaagaat  | aaaatgactc  | 1024560 |
| cggcattaag  | cgccagtaca | gcgggtaaaa | attgtatctt | ggccagccag  | ccgaaccaga  | 1024620 |
| gatgcaagat  | gcctgtgaag | tctacgaata | gtagtgaat  | gagcaggaaa  | caaatcgctg  | 1024680 |
| ccaatatcct  | tctgattttc | cgtagcatga | ttttgatttt | taagatttac  | ttgtcaaaac  | 1024740 |
| tgtttgatag  | caaaggtagc | aaaaatcttg | tataggtgga | tatttgtcac  | gaagaaaatg  | 1024800 |
| aaaaatatat  | catatattca | gtgaaagact | ggaaatattg | aaaaactata  | agctggtggt  | 1024860 |
| tggttcggat  | ggagggctga | acaacagctt | gtcggctggc | aatttggttg  | tcggacagag  | 1024920 |
| taggctgggg  | aaaatacctt | catgtctttt | atttaaaaac | aatctaaata  | acttgcatag  | 1024980 |
| catgcagcaa  | tgatataatc | ttgcggaaaa | taatacaaac | atgaggttat  | ctgaactaca  | 1025040 |
| aactggtgaa  | aggggcgtaa | tcatcaaggt | aatgggacat | ggaggtttcc  | gccgtcgtat  | 1025100 |
| tatcgagatg  | ggctttgtga | agggtaaaac | cgtggaagtt | cttttgaaac  | ctcccttgaa  | 1025160 |
| agaccctatc  | aaatacaaaa | taatggggta | tgaatatatc | cttcgccgac  | aggaagccgc  | 1025220 |
| catgatagaa  | gtggtaagtg | aagaagaagc | acgtgagtct | atgcaggaaa  | cacatttcca  | 1025280 |
| tgacccgata  | gcggaagaca | ttccagtgtc | tgaggcaaa  | ttgaaggaaa  | tagcaagtgg  | 1025340 |
| taagcgctgc  | acgattaatg | tggcactggg | gggtaatccg | aattgtggaa  | agacatcgct  | 1025400 |
| tttcaatgtg  | gcttccggct | cacacgaaca | tgtaggtaac | tacagtgggtg | tgacagtaga  | 1025460 |
| cgctaaggaa  | ggacatttcg | actttcaggg | ttatcatttc | cgtctgggtg  | atgtgcccgg  | 1025520 |
| tacttattcg  | ctttcggctt | acagccccga | ggaactgtat | gtgcgtaagc  | atatcatcga  | 1025580 |



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|            |            |             |            |             |             |         |
|------------|------------|-------------|------------|-------------|-------------|---------|
| tgaaactccg | gatgtgatca | tcaatgtggt  | cgatgcaggc | aacctggaac  | gtaacctgta  | 1025640 |
| tttgactgct | cagttgatcg | atatgaatgt  | ccgcatggtc | attgcattaa  | atatgttcga  | 1025700 |
| tgactttcag | catagtggaa | atacactgga  | ttataagaaa | ctggggcaat  | tgtttgaggt  | 1025760 |
| gcctatcgtg | ccgactatca | gccgtacggg  | caaaggtatt | gacaatttgt  | ttcatgtgat  | 1025820 |
| tatcggatta | tatgaagggt | ccgacttcat  | ggggcagaag | gaggagatac  | aggacgaggc  | 1025880 |
| aatgcgcgaa | tatcgtgagt | ggcacgacaa  | atacgttccc | gaccataagt  | atggcagcca  | 1025940 |
| tgaggaggaa | acgcatgagt | ttgacggaaa  | aagttatata | cggcacatac  | atatcaatca  | 1026000 |
| cgttccggaa | ctggagcggg | gtatcgatgc  | ggtaaaggaa | gaaatctgca  | agaatgaaaa  | 1026060 |
| tatccgttac | aagtattcta | cccgttttct  | tgccattaag | ttgctggaaa  | atgataagga  | 1026120 |
| tattgaacag | cgtgtgatag | cgacgttgcc  | taacggaaag | gagggtcatga | agattcgtga  | 1026180 |
| ccgagaagcc | gaaaggatcc | gcttgtcgat  | gaacgaggat | agtgaacagg  | ccattgctga  | 1026240 |
| tgctaaatac | ggatttatta | cgggggccct  | gaaagaaaca | tttacggaaa  | agaatcagaa  | 1026300 |
| tacggaaatg | tttaccgcta | ttgtcgatag  | tatcgtgacg | cacaagattt  | ggggattccc  | 1026360 |
| tatcttcttt | gtcttctttt | atctgatgtt  | cgaatgtacc | tttgtctttg  | gagaatatcc  | 1026420 |
| aaaaggatgg | atagagtggg | ttgtgaaaca  | gattgccgta | ctggccgaaa  | cctttataacc | 1026480 |
| ggtaggtccc | gttaaagatt | tgattgtaga  | tggtataata | ggtaggagtag | gcggggttat  | 1026540 |
| tgttttcttg | cctaatatct | tgctgctgta  | tgtctttatt | tcatttatgg  | aagattcggg  | 1026600 |
| atatatggca | cgtgctgcat | tcacatgga   | taagattatg | cataagatgg  | gattgcacgg  | 1026660 |
| caagtcgttt | atcccgttga | ttatgggatt  | cggatgtaac | gtgcctgcta  | tcattggcatc | 1026720 |
| acgtatcatc | gaaagccgga | aatcgcgtct  | ggtgacgac  | ctgattaatc  | cgctgatttc  | 1026780 |
| atgcagtgcc | cgtctgccta | tttatctggg  | catgatcgga | gctttcttcc  | cttcgaaggc  | 1026840 |
| aagtctggta | ttgttgtcta | tatacgtgat  | aggtattttg | ctggcagtgc  | tgatggctcg  | 1026900 |
| tatcttcagc | cgctttatcg | tgaaagggtga | tgatgctccg | tttgtgatgg  | aacttccgcc  | 1026960 |
| ttaccgtatg | ccgacgctaa | agtctgtgct  | tcgtcatacg | tgggaaaagg  | gtgctcagta  | 1027020 |
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| ttatccgaat | cataatgctt | atactacgac  | cgcagaacag | caggaaaatt  | cgtatatcgg  | 1027140 |
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| tactttactg | gcctgggttg | tagccttctt  | ggttcatcag | ggttgaagtc  | tgtttatata  | 1027500 |
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| atcgggacaa | aacgattact | tttgggaaat  | ggttccttgg | atgagtggct  | tagtcagcgg  | 1027800 |
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| tgaaaacact | atttttatct | gtatgtctgt  | ttatggcatc | attatcagca  | ggggcacaaa  | 1027980 |
| cacgttatct | tcaagaaatg | gcacagtcgc  | aaggcaagca | gtggacgcat  | ggcaagtcgt  | 1028040 |
| gggattatgt | aaacggcctt | gtggctaaat  | ctcttctaaa | cttgtgtgag  | caatatcaat  | 1028100 |
| atgcagactg | gacaggcagt | tattatcagt  | gggcgaaaga | atatgctgac  | aatgccatta  | 1028160 |
| atccggatgg | tacttttaag | aatttcaaaa  | aagggaatat | tgacaatata  | aactcaggaa  | 1028220 |
| agggtgcttt | tgctttgtat | aagcacgaaa  | tgaccttgga | taaaaagaat  | ggaactcaca  | 1028280 |
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| ctcgtattca | gtcgggggat | gcgaaggggt  | gtttcttcca | caaagatatt  | tatccggatc  | 1028400 |
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| gtcatcacgta | tgatgcagac  | aagcaacttt  | tttatcatgc  | ctggtctgcc  | aatccggagg  | 1028580 |
| ataactaactc | tttttgggca  | aataagtcgg  | aaccttataa  | aggatgctcg  | aaagagtttt  | 1028640 |
| ggggacgtgg  | tatgggttgg  | tattttgcag  | ctctggtaga  | tgtcctggaa  | gtgatgccga  | 1028700 |
| aaaaccatcc  | ggattataaa  | gaactgggtg  | ctcttaccaa  | tactgtggca  | aaggggctgg  | 1028760 |
| aacgttggca  | ggacaagagt  | agcggcgtat  | ggtatcagct  | tcttcagtac  | gatcattcgt  | 1028820 |
| atgtgggtga  | atgtggcata  | gccaactatc  | cggaaatcttc | tgcttcgagc  | atgtttacct  | 1028880 |
| atgcttattt  | gaaaggcatt  | cgtttgggta  | ttcttccgga  | aacttacaag  | gatgtggccg  | 1028940 |
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| acctgaatca  | aagtgtgctg  | tctgctggat  | taggaccggc  | aaaggatcct  | tctcgagatg  | 1029060 |
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| cgataggctcc | ttttatcatg  | gctagcttgg  | aatatgagcg  | aaaaaaataa  | tcttatagga  | 1029180 |
| aatttagtat  | aatcaattgt  | aggggaattg  | cgattttttc  | cgcttcctgc  | cattttttat  | 1029240 |
| catccttcct  | tattgtttgt  | attatacagt  | aaggaaggat  | ttttatttag  | ttgatattcta | 1029300 |
| tagctttatc  | tgtaaatattg | aggtttcaaa  | aactcttttc  | aatggttcat  | ggcaaccttt  | 1029360 |
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| aaaatagttg  | tacctttgca  | tgcgaattga  | aaataacggt  | tgccgaaaac  | aatggttcct  | 1029480 |
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| aacctcacga  | agcactctta  | gctcagttgg  | tagagcaact  | gactcttaat  | cagtgggtcc  | 1029600 |
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| tcaaagaagt  | taatgatttc  | cagataatgt  | gtctgtatgg  | atcttgccgc  | tcttgagaaa  | 1029960 |
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| aggactcttt  | cttatagagg  | ggatagctat  | caacggaaca  | ttttgtgcag  | tattaatcgg  | 1030200 |
| ttaaataact  | tacacttggt  | tgttgtaggt  | atggtttcaa  | cggaaagcac  | cttttgttat  | 1030260 |
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| aaagcaatta  | tcaaattctca | aggtataaaa  | gatgcatttg  | tttgaatgct  | taccacgatt  | 1030380 |
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| attagattca  | tacgtttcca  | aagctattct  | attgtcctca  | tacaagtcac  | ttccggatat  | 1030860 |
| tttctctaca  | taagtatatg  | atttattatc  | tactattgct  | ccggttgata  | acgtaaacaa  | 1030920 |
| tacttctgac  | tgatgtgatg  | taccgttatg  | tgcgcattct  | gcattgactg  | taatgcttga  | 1030980 |
| gcctgctttt  | atataattat  | taggtattgg  | tgtatagtaa  | tcccaccatt  | tacctgatgg  | 1031040 |
| accataattg  | taactgacac  | caccgccact  | aatattcaca  | ataaaaaacgc | gcattttctcc | 1031100 |
| cattaaagta  | catgttaaat  | aaccggaaat  | agaacttgat  | gcagcctgta  | aatcttttaa  | 1031160 |
| tgaacacat   | tgattatttt  | catattgtgc  | tgaacctatt  | attctgcaac  | cataatctga  | 1031220 |
| aatttcctga  | taagtaatca  | gtttattgtc  | tgcttcacct  | ttgccaccga  | tagtctttgc  | 1031280 |
| atcttgacga  | gtagccattt  | tgtctgccat  | aaattcttag  | atttgagttt  | ttgaattata  | 1031340 |

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| cagtatgaca | gacgactaat | tacatcatat  | tttacatttc | ggaaaaatcc  | acaaatgcga  | 1031400 |
| taacatcccc | ctctgcatct | attattgttt  | gtgtaccacc | tgcataaaca  | caataagagc  | 1031460 |
| ctattccaag | tattttacat | atattctgca  | ttatggtttc | agcttttatg  | cgtttctcat  | 1031520 |
| tttgaaaagt | tatgtgtatt | ccatggaacc  | aagtgccatt | ggtaagcgta  | gcataaaatt  | 1031580 |
| tccacactgc | tttttgagt  | gatagataat  | ttagcaagtt | gtcgagtttc  | gttttatttg  | 1031640 |
| aaggcatttc | tatacaatat | ccgtcaccaa  | aatacgaaaa | gaaatcctta  | atagtgaata  | 1031700 |
| gttcaaaaat | catacagtgt | tcaatcgttt  | ttctattagc | catgataccg  | ccgaatactc  | 1031760 |
| atcatcatac | aacagttgtt | ccaagcgtct  | tttccctata | cgtctgtcac  | atacgtgtaa  | 1031820 |
| aatagggatt | aacttaaate | tgtcattaaa  | ctcgtgtgtc | agaagttcat  | taactgggca  | 1031880 |
| gtctacatat | tcttttatca | gacatgacaa  | ttttttggct | tcatacataa  | aataccactc  | 1031940 |
| ttcttcattc | tcatccatga | agtttttagg  | aaaatcccat | attatctgtt  | tcccgatagt  | 1032000 |
| cacccaaaat | cttggaacg  | gtatgcacac  | tccaatgtcg | tatgcacaac  | aatgtatttg  | 1032060 |
| aaagcctatt | ttcggttcta | tgacacgata  | taaagccgat | tgcaatgtac  | tccaatgttt  | 1032120 |
| cattttttta | cgataataga | gccaatatgc  | ctgcacaaac | tagtgccact  | atcaacccaa  | 1032180 |
| atatgaatga | tagacaaccc | gatattgagt  | caaagagttt | atcaagtagt  | ttcatgataa  | 1032240 |
| aactataatt | tccaaagggt | agttttacta  | acctttggaa | aattgcacgc  | tattttcttca | 1032300 |
| cttcagtaat | agtgaagtta | ttattactat  | gcaaggcaga | actcattggg  | acaccttttt  | 1032360 |
| gttccataaa | agccttgata | atgtcatttt  | gtgtagggtt | aattgattga  | tatgtttcaa  | 1032420 |
| tcaatacgct | cataccttgt | ttaagatttc  | ctgcattaac | ttttgaagtc  | actaaatatg  | 1032480 |
| taccatagct | tttaagaatt | aaattgttaa  | acattaagtt | gataagtatc  | cgagacacgt  | 1032540 |
| tcccagacgc | atttgttttc | ttgaatagat  | ttctccctat | tgagccggaa  | cactcccacg  | 1032600 |
| aagcggtaga | aacagaagcc | taaatcatcc  | ttgtaccgaa | ggaatgttat  | tcttgtttct  | 1032660 |
| tcgggggagg | aaaaccattg | tttcagatga  | gccgcacgtt | tgtcctccgc  | tttcggatat  | 1032720 |
| tcgtagataa | acattccatc | ctccgaaagt  | tcgttgtgcc | aaaggcgggt  | ttccgtattt  | 1032780 |
| ggccacccaa | ctatttcgtg | ctttttgttc  | ggaactgctg | caccggaagc  | gcgcagaaaa  | 1032840 |
| ccacgggtgt | tggctttcgt | gccgaacact  | tccgcaactt | cctccgtagt  | acgcaggcac  | 1032900 |
| tcgttgtcat | ccactttcaa | ataacctttg  | tttcgggtgt | attctacggg  | gagcgtgttt  | 1032960 |
| gcatcatccc | acggtttgaa | gctatcgtcg  | agttccgaaa | tacgttgctt  | gataagtttt  | 1033020 |
| acgacatccg | ccacttgacg | gtggatttct  | tgaatgtcgt | tgtcacagtc  | tatgacgata  | 1033080 |
| ggtttgagg  | gcgttacgtt | tagaatttcc  | tcatttcgga | ttttatcaac  | ctccacattg  | 1033140 |
| ttcttgtgaa | acggctcgtt | gatttcaatg  | aagatattga | gttgagggaag | atataagtct  | 1033200 |
| gcaagtgcac | acttgtcatg | tgttcttctg  | atatattgct | gaacgacaaa  | tttaacacgg  | 1033260 |
| tcgtcgttta | attgatgcca | tattctactt  | atgacataag | actctgtctt  | tttcttgctt  | 1033320 |
| atcttagcaa | acagacgttc | catatattcc  | aatttataat | ccacaatact  | tcggtaaatt  | 1033380 |
| tttaccgata | aattaaaatt | aaacatagaa  | tcggcataat | ccggttcaaa  | attatattca  | 1033440 |
| agagatcatt | gaaatactgt | caagaataaa  | tcgtcaagga | gtaagaaaaa  | ggatgaaaaa  | 1033500 |
| gatatgctaa | acagctgaaa | atcaacagaa  | aaagtatttc | ataattcact  | gatttttagt  | 1033560 |
| aaattagaag | tacttcacca | cttttaatta  | tgactaaaga | atcactcctt  | atgcaatacc  | 1033620 |
| aatccgagtg | cagaaacgct | ctcgaatcag  | ctgtaaataa | aagcaaatct  | tttcagaaaag | 1033680 |
| tattcatgga | tgcaatgaaa | ttattcatgg  | ctatacctga | ccgcatcaat  | ttcctacaaa  | 1033740 |
| tgggacggta | tggatgtttc | tcggaacaga  | cataccgcaa | caattttgag  | aacgacggct  | 1033800 |
| ttgactgggt | ttccttcaat | gaagccatca  | tcagggaaca | ccttaaagggt | ggtcgcaagg  | 1033860 |
| cgatagccgt | tgatccgtct | ttcattccaa  | aatcaggcag | caaaacgccg  | tggattgggt  | 1033920 |
| atttctgggt | cggttgtgct | gggtgaataca | aacgtggact | ggaaataaacc | ggatttggag  | 1033980 |
| ttatagacgt | tgacaacat  | gaatgtatga  | ctttgggctc | tgtacagaca  | cctgacaacg  | 1034040 |
| caacgctgga | aagctgtgag | aagaatcttg  | ttgactggta | cagctcttac  | cttatcagca  | 1034100 |
| tacaggaaca | gctgaaacgt | atttctggca  | cagtcgtgtg | tgatgcgttc  | ttttcaaagg  | 1034160 |
| caactttcat | caaaccattg | tacgataacg  | gtttccacgt | aataagccgt  | ttcaggaatg  | 1034220 |

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|            |            |            |             |             |             |         |
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| atgccgtatt | gttttatccc | accttagaaa | ataggacagg  | aaaacgcgga  | cgtccaaaat  | 1034280 |
| tacatgacga | gaaaattgac | tttgaaaatc | tgacatcac   | aagatgtacc  | gagtacaaag  | 1034340 |
| tgaacaaggg | taaactttac | ggactgaaag | catactccaa  | agcactcaaa  | cgctttgtga  | 1034400 |
| gcctggctgt | atggtacccc | atggatggaa | gaacggacaa  | atggcagctg  | tatttctcta  | 1034460 |
| caaacgaaat | acagaacgca | caggatgtcc | tgacttttta  | cagaacacgt  | ttccaactcg  | 1034520 |
| aattctgctt | tcgggatgcc | aagcaacatg | ccggaatagc  | aaactgtcag  | tctacagact  | 1034580 |
| tcaggaaact | ggcattccac | tttaatgcat | cacttgcagc  | gataaacctc  | gccaaggctg  | 1034640 |
| cctgtaagaa | gatgggaata | aaatattcca | tatcatcatg  | caagtcagtc  | atacacaatg  | 1034700 |
| cttacatgct | tgaacgattt | atttgcgtgt | ctgggattga  | accaaacacg  | caattaattg  | 1034760 |
| acaaactttt | caaagaactc | attttattta | ctgccagagc  | cgcttaggct  | gggctaattt  | 1034820 |
| ttaacgaact | attgatccat | atttaaagct | tttaagtttg  | tacttctggg  | tttgaaaaaa  | 1034880 |
| gaaaaggaca | cagccaaact | tttactcat  | tctcttagct  | gggttctggg  | aaaacctcga  | 1034940 |
| agttcaaata | aggaaaagca | gtctgcgcc  | ttgttcaggg  | tacaaaccga  | cctttcgact  | 1035000 |
| tattacttgg | aacttcacga | aatttaccag | atthagctaa  | gccaaataac  | ttgtctacaa  | 1035060 |
| gttgcttgca | atatgtcttt | tatttcttat | gtctgttttt  | tgacctcctt  | ttaaatttgt  | 1035120 |
| tttgttacaa | atgtaatgaa | aaagagttag | acagacaaag  | gaattgcacg  | acatatcaca  | 1035180 |
| gactgccata | agcaataagg | aatgatgtcc | tctttaaata  | tgtcaatagt  | tcgttaaaaa  | 1035240 |
| ttagcccagc | ctaagcggct | ctggcagtaa | ataaaatgag  | ttctttgaaa  | agtttgtcaa  | 1035300 |
| ttaattgctg | gtttggttca | atcccagaca | cgcaaataaa  | tcgttcaagc  | atgtaagcat  | 1035360 |
| tgtgtatgac | tgacttgcac | gatgatatgg | aatattttat  | tcccatcttc  | ttacaggcag  | 1035420 |
| ccttggcgag | gtttatcgct | gcaagtgatg | cattaaagtg  | gaatgccagt  | ttcctgaagt  | 1035480 |
| ctgtagactg | acagtttgct | attccggcat | gttgcttggc  | atcccgaag   | cagaattcga  | 1035540 |
| gttggaacg  | tgttctgtaa | aagtccagga | catcctgtgc  | gttctgtatt  | tcgtttgtag  | 1035600 |
| agaaatacag | ctgccatttg | tccgttcttc | catccatggg  | gtaccataca  | gccagggtca  | 1035660 |
| caaagcgttt | gagtgccttg | gagtatgctt | tcagtcctga  | aagtttacct  | ttgttcactt  | 1035720 |
| tgtactcggg | acatcttggt | atgtccagat | tttcaaagtc  | aattttctcg  | tcatgtaatt  | 1035780 |
| ttggacgtcc | gcgttttctt | gtcctatttt | ctaagggtgg  | ataaaacaat  | acggcatcat  | 1035840 |
| tcctgaaacg | gcttattacg | tgaaaccgt  | tatcgtacaa  | tggtttgatg  | aaagttgcct  | 1035900 |
| ttgaaaagaa | cgcacacac  | acgactgtgc | cagaaatagc  | tttcagctgt  | tcctgtatgc  | 1035960 |
| tgataaggta | agagctgtac | cagtcaacaa | gattcttctc  | acagctttcc  | agcgttgcgt  | 1036020 |
| tgtcagggtg | ctgtacagag | cccaaagtca | tacattcatg  | gttgtcaacg  | tctataactc  | 1036080 |
| caataccggt | tatttccagt | ccacgtttgt | attcaccggc  | acaaccggac  | cagaaatagc  | 1036140 |
| caatccacgg | cgttttgctg | cctgattttg | gaatgaaaga  | cggatcaacg  | gctatcgctt  | 1036200 |
| tgcgaccacc | tttaagggtg | tccctgatga | tggttccatt  | gaaggaaaac  | cagtcaaagc  | 1036260 |
| cgctcgttct | aaaattgttg | cggatgtctt | gttccgagaa  | acatccatac  | cgtcccattt  | 1036320 |
| gtaggaaatt | gatgcggtca | ggtatagcca | tgaataattt  | cattgcatcc  | atgaatactt  | 1036380 |
| tctgaaaaga | tttgcttata | tttacagctg | attcgagagc  | gtttctgcac  | tcggattggg  | 1036440 |
| attgcataag | gagtgtattt | ttagtataaa | ttaaaagtgg  | tgaagtactt  | ctaattttact | 1036500 |
| aaaaatcagt | gaattatgaa | atactttttc | tggtgatttt  | cagctgttta  | gcatatcttt  | 1036560 |
| ttcatccctt | ttcttactcc | ttgacgattt | attcttgaca  | gtattttcaat | gatctcttga  | 1036620 |
| atataatttt | gaaccggatt | atgccgattc | tatgtttta   | tttaattttat | cggtaaaaat  | 1036680 |
| ttaccgaagt | attgatattt | aactaattgc | acgaatgaaa  | aaattgagtt  | aaaacaatca  | 1036740 |
| aagggtttaa | aaactgaaca | tgtatatcct | aatggtaatg  | gacaaccaag  | tatatcagct  | 1036800 |
| atacaaat   | attatgattc | atctactatt | ataaaacat   | acccatatca  | agtaaaatgg  | 1036860 |
| aattcgtcat | ataataatta | tttatcaggt | aattttaccgt | catcacctga  | tttatggact  | 1036920 |
| ggtgcatccg | gttggttaaa | tacaaataca | tttgatataa  | gtagacttta  | atcattttata | 1036980 |
| taaataatca | atacatattc | tataaatcaa | tagaatatga  | aacatcgtgt  | acttacagaa  | 1037040 |
| tctatagaac | ttcactccat | aggctcatgc | ttttcagata  | atgtaggaaa  | ttcagaactc  | 1037100 |

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| cgagaaattc  | ttcgtgaata | tttcggtaag  | aatgaaat    | cttatactgc  | tgattattca  | 1037160 |
| aatgagatca  | ttagtgtcca | ataaaaatgg  | actagttaaa  | aaattaatca  | aatagtcctt  | 1037220 |
| caaaaagggg  | ataatcgagt | tctttgacat  | cgttgaaatc  | agtcttatcg  | aacagttcac  | 1037280 |
| gcaagttagt  | tttgtccgtt | agagagatgc  | ttagaatctg  | caaaacttca  | taagttgagc  | 1037340 |
| gcttcaattg  | catatcgtgt | tgacaatag   | ccactagaca  | gtaagtgatg  | attgctacac  | 1037400 |
| tgatttgaat  | gcgacagca  | ttttccgttg  | tgccccagaa  | tctttttatt  | ttaaggtgct  | 1037460 |
| gcttgagcca  | tttgaagaat | agctcgacca  | accatctttt  | cttgtagaga  | ttagcaacgt  | 1037520 |
| ccaatgcaga  | aatatgtgtt | gcgtttgtca  | ggaaagtga   | ctcacgggtca | ccctcttcat  | 1037580 |
| catagtaacg  | aatgagtcgg | aatgactcgg  | gatatttctt  | ctctgagagg  | tatccgggtca | 1037640 |
| gtttcacttc  | agcatctgta | agtacatact  | taggcacctt  | acgcttccat  | ttaaccattg  | 1037700 |
| tgtatttcaa  | gttcgtctta | gctctgacaa  | cgaaaaagga  | acctgtcagg  | tgtatcctat  | 1037760 |
| atagttcctt  | aaaagagtca | taagccctgt  | cgaatatata  | ataagcattt  | ggttcataat  | 1037820 |
| ggattgaaca  | catcgctgta | gagtcgtgct  | tcgatgctgt  | ggttacagta  | tagaaggcag  | 1037880 |
| gaacttgtgc  | ttcaatgtca | tataagacat  | gagctttgac  | acctcctttc  | tttcttcgga  | 1037940 |
| acttcgcca   | tggaaatgtg | gctagacaca  | acggaatagt  | tgttgaatca  | aaagcatact  | 1038000 |
| tatcccctgg  | aatatccaag | atgttggtcg  | ctcgcttttc  | acaagcttcc  | ttcattatat  | 1038060 |
| agaatgcgaa  | gtcttcaaag | attctgtagt  | cacgattctg  | attagcataa  | gcgaggggtg  | 1038120 |
| ctttggctat  | tggattgcgt | cccagaccaa  | gatgatattg  | cttggcttga  | tgcgcttcaa  | 1038180 |
| aagctacaat  | taagtcgca  | agactctcac  | gattgctcag  | ttgtccgaac  | atcatagcaa  | 1038240 |
| gtaactgatt  | ccagcaggtg | aattgtttca  | cgtagcgatt  | accattatac  | ttgcgaacaa  | 1038300 |
| agttattgaa  | ttgtgttctg | ttcataaaaag | cggtaaagtg  | agcgaatacg  | tatttatctt  | 1038360 |
| ggttcataag  | cggcattcaa | tttgaccgct  | aagctacgaa  | ttcaaattccg | tttcattcta  | 1038420 |
| aaatactgct  | taaaagactg | tatttcaaca  | atttcaaagg  | cccattaacc  | aactttttatt | 1038480 |
| ggacagtagt  | gaaatgagat | atgggggtgaa | gttatgcagt  | ttcttgagag  | aaattgcaaa  | 1038540 |
| tttatcaaag  | acatagaatt | gtcatcagga  | cttgtgtcta  | tttatgaaac  | tgatgtagta  | 1038600 |
| aatgaatttc  | ttgtgagatt | tgaattagaa  | aacggaggaa  | agaaccttgt  | gttctggaaa  | 1038660 |
| aaaaagtacc  | aacgggtttt | ttactgagta  | aagagttgtg  | ctactgaaaa  | gacaaaacat  | 1038720 |
| caattataca  | aaaccgttgg | tacaataaag  | tatatagttg  | cgtaatgtat  | tacaagcatt  | 1038780 |
| atcttcaata  | gacccatcta | ttaaaataaa  | caaaaataat  | gctatggggg  | ctaaccctaa  | 1038840 |
| taataatact  | gaccttgtaa | tacgtagtac  | aacatcattg  | gctaccgaca  | acgaagcagg  | 1038900 |
| cttaaatgct  | ccactagtag | ttatagatgg  | agtagaatct  | acattacaag  | atttgtatga  | 1038960 |
| tattaatatg  | tacgatatag | aacgtgtgga  | tatccttaaa  | gacgcttcag  | ctaccgcact  | 1039020 |
| atatggtgag  | aatgctgcaa | acggcgtgat  | tgtaatgaa   | cgtaaaaagag | taacacaagc  | 1039080 |
| acctgtacgt  | attcgttaca | cattcactcc  | cgatttttagt | tttgcagatc  | tttcaagtta  | 1039140 |
| cgacttgtgt  | aattcacac  | agaagcttga  | acttgaaaga  | ctagcaggac  | tatacgatag  | 1039200 |
| tagtaccgga  | agtatggata | agacctatta  | tgaaaaatta  | gcattagtca  | gtaaagggtat | 1039260 |
| caatacacgat | tggaaaacaa | aacctatacg  | taccggattc  | tcccaaacc   | attcgctatc  | 1039320 |
| tatatctggt  | agagggggag | gtattgaata  | taatataacc  | ggaaacctta  | caaacaataa  | 1039380 |
| tggggtaatg  | aaagatgatg | gacgaaaaat  | ttacggctctt | gatgtatatt  | tagcataccg  | 1039440 |
| tcttaaagaa  | aaactggtac | ttaccctaag  | agccagccat  | cagcaaacta  | atatccgtaa  | 1039500 |
| ctccaagtac  | gggagttatg | acacatgggt  | gcaaatgaat  | ccttacgatt  | ctccttacga  | 1039560 |
| tgaaaacgga  | gagctccgtt | cattattgtc  | atgggatatg  | attaaccctc  | tttatgaggc  | 1039620 |
| ttcattaagc  | agcttctcta | ctcaagaaac  | tcgtacacag  | gacctgtctt  | taagtgcacg  | 1039680 |
| ttataacttc  | aaaccgaatt | tgttcattac  | tgcacaagg   | tcattactca  | cggcaaagg   | 1039740 |
| tacagtagat  | gattttgtat | cccctctttc  | tatgcagttc  | aaagacgtaa  | cagatccgtt  | 1039800 |
| gaaaaaagga  | aaatatacat | taaccaacaa  | tgacgaaaat  | aattattcgt  | tcaaggtagt  | 1039860 |
| aggttaactgg | atacacagct | tcgataatga  | cggtacattg  | tttacattga  | acgtgggagg  | 1039920 |
| tgaaatcaaa  | aagcaggaca | gctcttcacg  | tacaagcatt  | gcttcagggt  | tcttatccga  | 1039980 |

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|             |            |             |             |             |             |         |
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| agaccttgct  | accagtgtag | gtgccttcgc  | tgcagcaaac  | tttacctgga  | aaaaccgcta  | 1040100 |
| catcattgat  | ggctcatacc | gtctatctgg  | ttcttccaag  | tttgagagaa  | ataacaaata  | 1040160 |
| tgcaccgttt  | tggtcagtag | gagccggata  | taacttacat  | aacgaaaacg  | ttattaaaca  | 1040220 |
| actgggatgg  | gtagatatgt | tacgtctaag  | aggaagttaa  | ggatatacag  | gtagcgtaaa  | 1040280 |
| attctcacca  | tatcaggctg | tttctaccta  | taaatattat  | attagcaata  | tccatcttgg  | 1040340 |
| aggtgtagga  | gcagtgccta | tggatcatgcc | taatccagat  | ttgacttggc  | agactaccaa  | 1040400 |
| gaaactgaat  | ataggtgtta | cctcctcatt  | ctttgggtgaa | cgcttaaagt  | tcaactttga  | 1040460 |
| ttactacaat  | gaatatactg | atgatatgct  | tatcgatata  | tcattgcctc  | catcatccgg  | 1040520 |
| agccagcact  | gtaaaagata | acttcgggtgc | acaggaaagc  | aatgggtattg | aatttgccgt  | 1040580 |
| atggggtaaa  | cctatcggtt | ctaaagactt  | cagttggact  | gtttctgtaa  | acggacttca  | 1040640 |
| ttcgaact    | gttatcaaga | acatttctga  | agcattgcag  | cgtaaaaatg  | atgaaaacaa  | 1040700 |
| tgtgtatct   | gatgaatctg | ttccacgcat  | actttatgaa  | gaggggtggt  | cacctacagc  | 1040760 |
| gatctatgcc  | gtacgttctg | ctggtatcga  | tcctgcgtct  | ggaaaagaaa  | tatacattaa  | 1040820 |
| gaaagatgg   | agctatactt | atacatatga  | cgtaaaagat  | aaagtgttag  | taggagatac  | 1040880 |
| caatccgggt  | gttgaaggta | acttctcaac  | agacttcatg  | tataagaatt  | tttatttggg  | 1040940 |
| tattaacttc  | agctatacct | tcggaggaga  | catctataac  | tcaaccctg   | cagaaaagat  | 1041000 |
| tgaacacatc  | aatccacgct | ataatgcaga  | tgtaaagact  | ttcactgaaa  | ggtggaaaca  | 1041060 |
| gccgggtgat  | ttgggtgcct | acctgaacct  | cagtgaacc   | ggtggacaac  | agtttgtaca  | 1041120 |
| ctccagtcgg  | tttgtgaaa  | acgagaatga  | aatatggctg  | tcgagcatta  | acttagccta  | 1041180 |
| tgagtttcca  | caatctttga | tccagtcag   | gggaatacaa  | cgcttgagac  | tgactcttgg  | 1041240 |
| agcctcagac  | ttattccgtc | tgtcaactgt  | acgctatgaa  | agaggtacct  | cttatcctta  | 1041300 |
| tagccgcagc  | attaatatgt | cattcaatat  | tacactttaa  | aacatgcaat  | agttcggttaa | 1041360 |
| aaattagccc  | agcctaagcg | gctctggcag  | taaataaaat  | gagttctttg  | aaaagtttgt  | 1041420 |
| caattaattg  | cgtgtttggt | tcaatcccag  | acacgcaaat  | aaatcgttca  | agcatgtaag  | 1041480 |
| cattgtgtat  | gactgacttg | catgatgata  | tggaaatatt  | tattcccatc  | ttcttacagg  | 1041540 |
| cagccttggc  | gaggtttata | gctgcaagt   | atgcattaaa  | gtggaatgcc  | agtttcctga  | 1041600 |
| agtctgtaga  | ctgacagttt | gttattccgg  | catgttgctt  | ggcatcccga  | aagcagaatt  | 1041660 |
| cgagttggaa  | acgtgttctg | taaaagtcca  | ggacatcctg  | tgcgttctgt  | atttcgtttg  | 1041720 |
| tagagaaaata | cagctgccat | ttgtccgttc  | ttccatccat  | ggggtaccat  | acagccaggc  | 1041780 |
| tcacaaaagcg | tttgagtgtc | ttggagtatg  | ctttcagtc   | gtaaagttaa  | cccttggtca  | 1041840 |
| ctttgtactc  | ggtacatctt | gtgatgtcca  | gattttcaaa  | gtcaattttc  | tcgtcatgta  | 1041900 |
| attttggacg  | tccgcgtttt | cctgtcctat  | tttctaagg   | gggataaaac  | aatacggcat  | 1041960 |
| cattcctaaa  | acggcttatt | acgtggaac   | cgttatcgta  | caatggtttg  | atgaaagtgt  | 1042020 |
| cctttgaaaa  | gaacgcac   | cacacgactg  | tgccagaaat  | acgtttcagc  | tgttcctgta  | 1042080 |
| tgctgataag  | gtaagagctg | taccagtcaa  | caagattctt  | ctcacagctt  | tccagcgttg  | 1042140 |
| cgttgtcagg  | tgtctgtaca | gagcccaaag  | tcatacatc   | atgggtgtca  | acgtctataa  | 1042200 |
| ctccaatacc  | ggttattttc | agtccacggt  | tgtattcacc  | ggcacaaccg  | gaccagaaat  | 1042260 |
| agccaatcca  | cggcggtttg | ctgcctgatt  | ttggaatgaa  | agacggatca  | acggctatcg  | 1042320 |
| ccttgcgacc  | acctttaagg | tgttcctga   | tgatggcttc  | attgaaggaa  | aaccagtcaa  | 1042380 |
| agccgtcgtt  | ctcaaaattg | ttgcggtatg  | tctgttcga   | gaaacatcca  | taccgtccca  | 1042440 |
| tttgcaggaa  | attgatgcgg | tcaggtatag  | ccatgaataa  | tttcattgca  | tccatgaata  | 1042500 |
| ctttctgaaa  | agatttgctt | atatttacag  | ctgattcgag  | agcgtttctg  | cactcggatt  | 1042560 |
| ggtattgcat  | aaggagtgtg | tctttagtca  | taattaaaag  | tgggtgaagta | cttataattt  | 1042620 |
| actaaaaatc  | agtgaattat | gcaatacttt  | ttctgttaat  | tttcagctgt  | ttagcatatc  | 1042680 |
| tttttcatcc  | cttttcttac | tccttgacga  | tttattcttg  | acagtatttc  | aatgatctct  | 1042740 |
| tgaatataat  | tttgaaccgg | attatgccga  | ttctatgttt  | aatttttaatt | tatcggtaaa  | 1042800 |
| aattttaccga | agtattgaaa | catgaataag  | atgaaaaaac  | taatatacat  | ttgttacgga  | 1042860 |

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| gtttacgggtg | agcttcaaaa | tacctattca | tacggacgct  | tcatgtattg | gggatttact  | 1043040 |
| gaggtgcttg  | cccagaatct | tgcatgttac | caggatcagg  | aagaaatagg | acagcccctt  | 1043100 |
| tctgaacttg  | actacgaagc | cgatgctgta | aaggaagtga  | ttgaaaatat | gtgggaagaa  | 1043160 |
| gcatacaaga  | atatcggata | cataaataat | attcttaaga  | atctggaagg | aagaaactcc  | 1043220 |
| atgaccctat  | acaattatta | tagaggtgaa | atgctggcca  | tgagggcatt | cctgcatttt  | 1043280 |
| gaccttttgc  | gtctgttcgc | tcctaccgac | gaaaccaaag  | aaggaattcc | ttacgtagaa  | 1043340 |
| acttattcat  | acgacgtgaa | acctttttat | aaagtgggag  | aagtatatga | aaagattctc  | 1043400 |
| aatgacctga  | acgaagctga | aagtctccta | gccgatgaag  | aaaacagtat | ggactatccg  | 1043460 |
| agaaccgaca  | ataatctgcg | taacttcctg | aactaccgta  | atacccatth | caatctctac  | 1043520 |
| gccgtatggg  | gacttaaggc | acgagtatat | tggatgagag  | gtgatattgg | caatgcagcc  | 1043580 |
| atttacgcag  | agaaagtgat | aaagagcgga | aaatttccac  | tggcatacag | acaagaaatg  | 1043640 |
| gcagattatt  | tggccggaaa | gttgtctgaa | aaagaaacaa  | tattcggagt | ttactccagc  | 1043700 |
| tcataccttg  | aatcggttcg | tacccttata | tttaaccaga  | cctcattcgt | atcattctct  | 1043760 |
| ccttactttg  | aatcatctgg | gggaggatac | ttgcagactt  | ttgaagatat | ctatgcattg  | 1043820 |
| gataatgaca  | atactgctgc | cgattatcgt | atgcaacaag  | taaacaatag | tctttggaga  | 1043880 |
| aaaatcatag  | attactatac | attatctggc | gaaagtgtct  | caagcggatg | ggatgagaga  | 1043940 |
| tattccggat  | tcaccctcat | gcatgtttct | gaaatgtatc  | tgattgccgc | agaagctctc  | 1044000 |
| cttgacacaa  | actacgacca | ggctgtcagc | tacttcgatg  | aagagcttac | ttcacgcgga  | 1044060 |
| ttaagaggat  | ttgctgtcga | gggcaaacaa | cttaccaaag  | aaaacatata | caatgaatac  | 1044120 |
| tgtaaaggac  | tctttggcga | aggtcaaata | tggataata   | tgaacgcctt | gaaaaaagat  | 1044180 |
| atcgtatgca  | acagcctcaa | tcgtgtattg | ccggctagt   | atacatatta | tgtagttccg  | 1044240 |
| ataccagaca  | gtgaatatga | atatagaaat | tgacaacaag  | taaatgcagt | atagtatgaa  | 1044300 |
| aacaacatat  | atcaaacaag | ccttgctcac | tctattgtgc  | atagcagcga | cagcctgcac  | 1044360 |
| aaatgaagac  | tatcagctct | atgatactac | ccagaaagat  | tctgcgttca | tggaatatata | 1044420 |
| caatgacaac  | gatgaagtgg | cagcatccgt | tacatatagt  | ttcggattcg | atattgccac  | 1044480 |
| acaatacgtt  | atagagctac | cggtaaaact | gatgggaatg  | ccttctgaca | aagcacgtgc  | 1044540 |
| cttcacgctt  | gaaccagatg | aaggaactac | catgcaggaa  | ggagtacatt | ataccataga  | 1044600 |
| ccatgaatca  | atgtatatcc | cggccaatgg | ggttgagacc  | aaagtcaaga | ttacactcct  | 1044660 |
| gcgcaacaat  | gaccctgaat | tgcagcaaaa | ggaatttact  | ttaaacttgg | ttctaaaaga  | 1044720 |
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| tcctgaatat  | gctcctagct | ggtgggtatc | atgggcaatg  | ccggcttaca | gatatgatgt  | 1044840 |
| ggcacaaaaa  | ttctttgagc | ttttctatgc | aatgaaagat  | gtcaatccca | ctgttataga  | 1044900 |
| cgagatggta  | acaacatacg | gtgattatth | caccaatgca  | tcagattttc | agggaccggt  | 1044960 |
| gattatgtat  | tcgagtttcc | tgaacaaata | tgtactgatt  | cctctgtatg | aatattatga  | 1045020 |
| ggaacatgac  | ccgtcggcca | ttgaaggatg | ggccaaaccg  | tctccaatgt | aattttgaatc | 1045080 |
| caacagtcac  | aaaataataa | agatatgaaa | aatataatat  | acatcgtttt | tttattcttt  | 1045140 |
| gctctcacat  | cgtgtatcaa | tgatgattca | caagacgcaa  | ataatctgct | gccggaactg  | 1045200 |
| tcaatagaag  | gcagcgattc | tgaagagatg | cctgtttaca  | atatctatth | cggaacagaa  | 1045260 |
| cctctggtaa  | tagaccaca  | ggtaaaagct | acgtccaaag  | acttgaaata | tgaatggtct  | 1045320 |
| gtgggccaat  | ataatagtac | ttcaggagaa | aagggtgaac  | ttaccaaath | cagtaccgaa  | 1045380 |
| ccgatactgc  | actattctth | cgaaaagaaa | ggtacatatth | acatacatct | taccgttacc  | 1045440 |
| gatgacttgg  | ttggagatgt | aatggaatat | caggtaaattg | taaacgacta | ttttgaaaaa  | 1045500 |
| ggaatattgg  | ttattgcca  | ctcggaagac | ggaaaaggca  | atctgggatt | tatcaaggac  | 1045560 |
| ttgacttcgg  | aagatattgc | atccggaatg | gagtacaagg  | tagaagaaca | ttgtctggag  | 1045620 |
| ctgatgaatc  | ctgatatcca | gatgacaaag | cttataggtg  | ccgaccgtac | caatgcctca  | 1045680 |
| accagccctt  | tttcacaaac | cccgataatg | attgtttgct  | tggaaagaca | atgtttctth  | 1045740 |

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|             |             |             |            |             |             |         |
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| gtaaactcta  | ccacttttca  | aatcatatcc  | tcgtctgaat | attctttcagt | cttttagcaat | 1045800 |
| ttcaaggcta  | ctcattttcat | ctcgaatgac  | ggatatgcat | catatccctt  | tgtatatgat  | 1045860 |
| gtcaactcca  | aacatttccat | ccattttccaa | aaggcttatt | ggatatctgta | cgaatatccct | 1045920 |
| tatgattttt  | atcagcaaag  | ttatgaagac  | gttataccag | ggataacctta | catcgctagc  | 1045980 |
| ataaactcaa  | aaacatcggc  | tccgggtttt  | gttaattata | gtgactctga  | aatcatcaca  | 1046040 |
| ttccaggctc  | gttcttcaga  | tatgagaggt  | acttccggcg | acttactcaa  | ggacgaagat  | 1046100 |
| atacttatga  | taatccttga  | cacaagtagc  | agtagcacca | tctatgtaac  | aaccagaagt  | 1046160 |
| aaaagcgacc  | ctacaaaagt  | ttcacaatac  | acacttacat | ctgcttttga  | tgatgaattt  | 1046220 |
| tatgtgaagt  | atcagcagac  | aaacttacat  | tcatataatg | tatcggaagg  | agatcctatt  | 1046280 |
| cccagtcaag  | ggaccagggc  | gacattggcc  | aaaaataatc | aggtcgcttt  | ttatggtatt  | 1046340 |
| ggaggaggct  | tgtacgctta  | ctaccttttt  | aatgcatcac | ctcaattgcc  | aaccaaacct  | 1046400 |
| atcatttctt  | atcctaata   | ggaaattact  | tgtataggtt | ataatgatgc  | taataaagat  | 1046460 |
| ttatacgtag  | gtacttacag  | cagtataca   | aaacgtggaa | acgtatatat  | ctacagcgta  | 1046520 |
| aacgatctga  | cgagtgcaca  | atttgagcct  | aaatacgagt | ttaagcagtg  | tacagacaag  | 1046580 |
| atttctgata  | taagatacaa  | aaactagctc  | ttttcttctt | taatggaggt  | atgccttgta  | 1046640 |
| aagggcatac  | ctccattttat | gttggtataa  | atcaatat   | tattatcaat  | tgaatcatga  | 1046700 |
| aactacagat  | tgctatttcta | ttagctttga  | tttatgcttg | tactctaaat  | gcacagttga  | 1046760 |
| ccgttacagg  | acgtatagct  | gtaaaaata   | atactgatag | tatacatgag  | atgactatta  | 1046820 |
| aaaatatgat  | gatgaaaaac  | acatcatata  | ctcctgtcca | aaataataac  | aatgtattca  | 1046880 |
| agataaaact  | ttcatcggtc  | aataacggat  | tttataagct | taacattatt  | gtcaggaaag  | 1046940 |
| aggattccaa  | caagtatcct  | ttctctattc  | cgttgatat  | gcccgaattcc | atccgtacgt  | 1047000 |
| acaaccttga  | catacaagta  | gacaatgaaa  | agatatgtga | tggttttgac  | aatgacaatg  | 1047060 |
| ccttccttgc  | agaatattat  | aatcaggcac  | atactattaa | taagaaaagta | tgggccagca  | 1047120 |
| cttccctatc  | tgaaaaccct  | ttggagctta  | taaatcaata | tgacagcatc  | ttaaacaaag  | 1047180 |
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| tagaaaagtc  | aaaatcaata  | aaagctatcc  | agtttatgta | cagaagagac  | gggaaggcca  | 1047300 |
| ttcccatag   | attagacaat  | gaagcaaaag  | atgcaataat | cttattggct  | aacaaatatg  | 1047360 |
| cgatatgctt  | taatgaaaca  | ccgatgtttt  | tctgtgagca | cctacctaaa  | gggatgagtt  | 1047420 |
| ttgaagaaaa  | actggattat  | acatacgaaa  | aaatagaaga | caaaaatctg  | caagaaagtg  | 1047480 |
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| aaggattgtc  | cattctggaa  | aaatgcatcc  | ataaatacag | tctttctgaa  | gaatatataa  | 1047600 |
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| atatttgggc  | atcgtggtgt  | gttccgtgtt  | gtaaagagat | tcctcatttg  | caaacactgg  | 1047780 |
| aaaaagagtt  | aaaaaatcca  | gctgtaaagt  | tcctgtccat | atccatagat  | agaaatgaga  | 1047840 |
| agagttggaa  | aaagaaaata  | gacgacatga  | atttgtatgg | gaatcaatgg  | ctcaataaaa  | 1047900 |
| acaatgagat  | atcaagcagg  | ttaaacatta  | ctgctattcc | aagattcctt  | ttatacgaca  | 1047960 |
| aggatggcaa  | acttatgaat  | attgatgcct  | tccgtcctag | caatcctcaa  | acaaaagaaa  | 1048020 |
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| ttgttactca  | tgatgttgaa  | tcgaatacga  | tagttgcagg | aaatctcgta  | caaagtatta  | 1048260 |
| gacggatatg  | aaactctgct  | tctgtaaagt  | tatatattat | ttaaactagc  | tttgagccct  | 1048320 |
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| ttgtgcacta  | aactaaattt  | atacttggtta | aaacattatt | ttctatgaga  | aaacacgtta  | 1048560 |
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| tggcgcagat | gggagtagct | tttaccgagg | cttatgcctg | tgccatttct  | tctcccacaa  | 1048800 |
| gatgtagttt | gatgtcggga | atgaatgctt | cacgccacag | agtaacgaac  | tgagcgtgg   | 1048860 |
| aactgaatga | aaagaccgat | gaatccagcg | atgtaatagc | tcttccagaa  | tggaatttta  | 1048920 |
| atggcatcca | gcctgattct | acggagggca | agataaacia | ttctacagct  | atcacgtcac  | 1048980 |
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| gaggggctaa | cggcgctcca | ggaagtattc | tggaacaaa  | gaactttggc  | gaaggttccc  | 1049160 |
| gctttgccgt | acagggactg | gaaaagtatt | acgggcagga | tatctttata  | acagaagcgt  | 1049220 |
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| tgtatatgtc | gcactatgcc | gttcatacgc | cttacgacga | tgataaacgt  | ttcagcgaca  | 1049340 |
| agtatcgggg | aaaatacgat | gaacaactga | agaccggatt | gaatgaaagc  | gaagccaaat  | 1049400 |
| atgcggcttt | ggtggaaggt | atggataaga | gtctgggaga | tattctcgat  | tatttacaaa  | 1049460 |
| aaaatcctga | agtcgctaag | aatacgattc | tgctttttat | gtcggataat  | ggaggacaag  | 1049520 |
| ggttaggtta | tatacgtcaa | ggtataccca | atcatgatca | gaattatccg  | gcccggtggag | 1049580 |
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| tgaccaagcc | caatacggaa | tgtgatcagc | gggtgataat | cgaagacttt  | tatcctacga  | 1049700 |
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| cgaatctttg | gggagagtcg | cagaacttga | aagaaggata | cgggtgcctat | tcggctataa  | 1049880 |
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| ggcttgaaat | tagaacgggt | tggtgactag | attgtttcgg | ttctctttca  | aaaatgcagg  | 1050180 |
| agaagatatc | cctgaagagg | ccgtctcaaa | attagaattg | caaaagtaaa  | aatcttatag  | 1050240 |
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| ctaaagtagg | agatttttgt | gttgtaactt | atagattata | agtaaccctg  | cctcagcttt  | 1050360 |
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| ataacagctc | tctatattta | ggaagtgtcc | acatctggtc | gtcaacaatc  | agctccaact  | 1050600 |
| tgtcgatgtg | gtaacggatc | gtttccagca | tcggagagat | gttgtcgtgg  | taggcaatag  | 1050660 |
| ccttttcacg | ctcatctgca | atcttggttg | caaccttgcg | ggcttctacc  | attgcgtcta  | 1050720 |
| catgttcttt | gatgtagata | gtatgttcgg | aaatcttacg | gatgatagcc  | agattttctg  | 1050780 |
| atgacaagtg | ttcagcttcg | tcagcaggga | agaggccttt | catcttgtac  | acgttatcca  | 1050840 |
| acaacttaga | ctgatattcg | gttgcgatag | gtacgatatg | gttcatgacc  | aaatctccca  | 1050900 |
| atacacgtgc | ttcaatctgg | attttcttgg | tgtaagtttc | ccattttact  | tcgttgcgag  | 1050960 |
| cttccagttc | cttcttggtc | atgactccag | tcgcttcgaa | catattgatg  | ctttccggag  | 1051020 |
| taaggtaacg | gtcgaagata | agcggacagc | tggtttcgca | atccaaaccg  | cgacgggcag  | 1051080 |
| cttcttcttt | ccattcgtcg | ctgtagccgt | ttccgtcgaa | gcggataggc  | ttagacaact  | 1051140 |
| taatataatt | gcggataacc | tgaatgatag | cagatacttt | cggttcacct  | ttttcgatga  | 1051200 |
| gtgcatctac | atctttcttg | aattcgatga | gctgttcggc | aaccgcggta  | ttcagtgcga  | 1051260 |
| tcattggcgt | ggcacagtgg | gcttccgaac | caacggcacg | gaactcaaat  | ctgtttccgg  | 1051320 |
| tgaaggcgaa | aggagaagta | cggttacggg | ctgtattatc | gatcaaaagt  | tccggaatct  | 1051380 |
| gtggaatgtc | gagtttcata | ccgtgtttgc | caccagtggt | aatcagttcg  | tctgtagaac  | 1051440 |
| tgtcttccat | gtggtcagag | accttgctca | gctgtcttcc | caagaatgaa  | gaaatgattg  | 1051500 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| cgaggaggtgc | ttcgtttggcg | cccagacgat | gtgcgttgggt | tgcactcatg  | atagatgctt  | 1051560 |
| tcagcagacc  | gttatgacga  | tatactgcca | tcagggtgtt  | gactacgaaa  | gtgatgaaac  | 1051620 |
| gcaggttttc  | ttcggctgtc  | tttcccggag | ccatcaacag  | aataccggta  | tctgttccca  | 1051680 |
| gtgaccagtt  | gttgtgctta  | ccagaaccgt | ttactccctt  | gaatggtttt  | tcgtggagca  | 1051740 |
| gtacacggaa  | accatggctg  | cgggctactt | ttctcatcag  | cgacatgatc  | aacatgttat  | 1051800 |
| gggtctactgc | cagattacat  | tcttcgaaga | taggagccag  | ctcaaactgg  | ttaggagcaa  | 1051860 |
| cttcgtttgtg | tcttgtctta  | acagggatac | ccagttcgag  | ggcctgaatt  | tccaagtctt  | 1051920 |
| tcatgaaagc  | ggctacacgg  | gtagggatag | caccgaagta  | gtgatcttcc  | agctgctggt  | 1051980 |
| tctttgaagc  | ttcgtgtccc  | atcagggtac | gacctgtaag  | aagcagggtcg | ggacgagctg  | 1052040 |
| catacaagcc  | ttcgtctacc  | aggaagtatt | cctgttccca  | tcctaagtaa  | gcaacaactt  | 1052100 |
| tctttacatc  | cgggttgaag  | tagtggcaaa | cgtctacggc  | tgccttggtg  | actgcacgca  | 1052160 |
| gagctttcag  | caacggagtc  | ttatagtcga | gtgattctcc  | tgtgtatgca  | atgaatatag  | 1052220 |
| tcgggatgca  | caatgtgtcg  | tctactacaa | atactggaga  | agacgggtcc  | catgcactgt  | 1052280 |
| aaccacgagc  | ttcgaatgta  | tttcggatac | caccgttcgg  | gaatgaagaa  | gcatccgggt  | 1052340 |
| cctgctgtac  | gagcagtttt  | cctgaaaact | cttccatcat  | gccgcctttg  | ccgtcgtggt  | 1052400 |
| caacaaaagc  | atcatgcttt  | tcggctgttc | cttctgtcag  | cggctggaac  | cagtgaagtat | 1052460 |
| aatgtgttgc  | tcctaactcc  | atggcccatc | tttctatgcc  | ttctgccact  | ttatcggcaa  | 1052520 |
| tttcgcggtc  | gagagcgaca  | ccgttgtcca | tagcatctac  | cagtttggtg  | taaaccggtg  | 1052580 |
| tggaaagata  | cttgaacatc  | ttttcgcggt | tgaatacgta  | cttagcgaag  | tattcgcgtg  | 1052640 |
| ggcgctctgc  | cggaacaggc  | acttctaagg | gttttgtctg  | aaaagctttt  | tctacaactc  | 1052700 |
| taaactcttaa | ctttgacata  | atacctttat | tttttaattt  | attaataaga  | tgtttgatat  | 1052760 |
| gttatttttaa | tgattgtatg  | ctgattctcc | atgttcgtag  | atatccagac  | cttcttcttc  | 1052820 |
| tactcgcttg  | tcaacacgga  | tgccaaccag | cttgtctggt  | atcttgaaca  | aaatgaatgt  | 1052880 |
| catgacggcg  | ctgaatacga  | tggatatgac | agttgccagt  | atctgtactc  | ccagctgatg  | 1052940 |
| ccagtcgccg  | tacaaagctc  | cctttacacc | accttcgccg  | gaaatgaact  | gagtggcgaa  | 1053000 |
| gacacctgtc  | aggatagaac  | ctacaatacc | gcctatgccg  | tgaactccaa  | atgcatccag  | 1053060 |
| cgtatcatcg  | tatttgaatt  | tcggtttgat | gacggctacc  | atgtagaagc  | agattatcgg  | 1053120 |
| agtgatcagt  | ccgatgcaga  | aggccccgaa | gatatctact  | gttcctgctg  | ccggagtaat  | 1053180 |
| ggctaccagt  | cctgaaacgg  | ctccggtaca | tgcacctaca  | gtcgtcgggt  | tcttggttatg | 1053240 |
| gatccagtcg  | atagccatcc  | aggtcaacgc | tgctacacaa  | gtagccagggt | gagtaaccaa  | 1053300 |
| gaaagcattg  | gctgctattc  | cgtcggcctg | caagccgctt  | ccggcattga  | atccgaacca  | 1053360 |
| tcctaaccat  | aagaaggcag  | ttcctaataa | tacaaatgtg  | atgttgtgcg  | gagtaatagg  | 1053420 |
| atggccgatt  | ttatagtcac  | ttctctttcc | tgccatgata  | gccattacga  | gagccgaaat  | 1053480 |
| acctgcattg  | atatgtacta  | cggttcctcc | ggcaaagtct  | atcgcaccca  | tctgctggag  | 1053540 |
| aaatcctcct  | ccccataccc  | agtgtgccat | aggaatgtaa  | accaatatgc  | tccacagtac  | 1053600 |
| ggtaaatatc  | aggaaaccgg  | agaatttcag | tcgttcggca  | aacgctccca  | gaatcaaagc  | 1053660 |
| cggagtaatg  | atggcaaaca  | tacactggaa | caagacaaag  | atgatttcag  | gtatgtttcc  | 1053720 |
| ggtagaaagg  | ctggaagtgt  | taattccctt | caacaggacc  | ttgtcgaatc  | cacctatcag  | 1053780 |
| gaacgaccag  | gcgctgccgc  | tgtccatcag | gctggttccg  | aagacgaaac  | tgtagccgaa  | 1053840 |
| agcaatccag  | ataatggtca  | ccgcacaaac | gataagcata  | cactgcatga  | tgatgcttag  | 1053900 |
| tacgtttttc  | tgccgtacca  | gtcccccgta | aaacagggcg  | atacctggaa  | ttgtcattaa  | 1053960 |
| cagtacaagt  | agcgtggcca  | caatcatcca | cgctgtgttt  | cctgtgtcga  | gtatcatggt  | 1054020 |
| tgtatccata  | gttcttcttg  | tttagttgta | tattgtattt  | gttatttttc  | ctgttctgcg  | 1054080 |
| ttgtaaaagt  | aaatatcgcc  | tctttctccc | gtacggatac  | ggatggaatc  | ttccaccgga  | 1054140 |
| atgacgaaaa  | tacgaccgtc  | tccaatctct | cccgtacgag  | ctgctttcat  | gacggcctga  | 1054200 |
| attgttttct  | ccacattctt  | gtcgcgcaca | acgattgata  | taagtattct  | ttctatcgag  | 1054260 |
| ctggatatcgt | atactattcc  | tcggtagata | cggccttcac  | gagtttttcc  | tactcctctt  | 1054320 |
| acgtcgtagt  | aagaaaacca  | ctcaatgtcg | gctgccagca  | gggcttcctt  | gacatcttcg  | 1054380 |

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|            |            |            |             |            |            |         |
|------------|------------|------------|-------------|------------|------------|---------|
| aaccgtgttc | tgccaataat | ggcttcaatc | tttttcataa  | attcttgtat | ttgtattttg | 1054440 |
| tagtgatat  | ataatgttat | cctgtctttt | tatcttaaaa  | aaaccaacac | ctgttgttct | 1054500 |
| ctcttaaaaa | tacctaagc  | tttacaccga | aaacaaagt   | tgctccttcg | gttgccggat | 1054560 |
| tccatattgc | cttggcccat | actgggaggg | aataggtatc  | cgttatTTTT | agggttttag | 1054620 |
| tagcagccag | acttatgttt | gaaacctcaa | atccgttggc  | tccaaagtcg | tcgtcgcccc | 1054680 |
| attgattgta | aaaactcggt | gccaaggca  | cggctccac   | ttcgaacgcc | cagtctaata | 1054740 |
| cgcccagttt | gaagggagcc | gtaaccgaga | agtaggagga  | gtaagcccgt | ttcccttggt | 1054800 |
| tgttgactcc | gtcgcaacct | gcgaaattag | tgaaccagtt  | gacagcgagg | atatcaaaat | 1054860 |
| catatcctac | ttgtgcttca | aacaagtgcg | aagtatttgt  | cgcaccataa | tgaaagtagc | 1054920 |
| cggccccgtc | gccaaaccag | taatcggtta | cggaaatact  | gaaaccttta | atgccgtatc | 1054980 |
| ccaaggtaag | atcgaattct | tttgtgtcat | ctttgtcgaa  | tcctaacggt | ccccatccc  | 1055040 |
| acaaccacag | tcccttgtaa | ctgatggaag | ctgtgggttg  | tacgctgatg | ttaccagat  | 1055100 |
| cttggcctcg | ccatacatag | tactgacga  | gttctgcacc  | gatgtcggcc | tctactttgt | 1055160 |
| cttgtgctga | aagggacagc | accggcagca | tgaacattgt  | tgctgctctt | agccttcgtt | 1055220 |
| gtactttcct | tttcatttgc | ttttcgtttt | tagttagtgt  | ttatttgtgt | ctatatgaaa | 1055280 |
| ttatataggt | taattctata | tgctttatTT | ggctgtattg  | ctgttttgta | tttctttttg | 1055340 |
| tttttctgta | ttgcaaaatt | atgtcttttt | gattttatag  | taaagcctcg | ggagttaata | 1055400 |
| atttactatc | tttttttatc | tgtttcattt | tataatttta  | tagccttggt | tccttattga | 1055460 |
| ttgtaatttt | atttattgaa | aagaataata | atttgttact  | atgtgcataa | ataatgaatc | 1055520 |
| tttttgata  | gcaaaaatgc | aaaaatcttt | gcctttgtat  | agcagaaatt | actttctgaa | 1055580 |
| gacactaaga | atatataatt | ttcatgcaga | cgtttatTTc  | tttttgtcag | ggaaagggag | 1055640 |
| agaaaagctt | gcagaagcac | tttatttttt | gtacaaaaac  | ttagaaaatt | tgtacaaaag | 1055700 |
| atTTtgaaac | gtctagacgt | tttccggcag | acgtcggcat  | gtccttacga | aacgtcccta | 1055760 |
| gaaatcaaaa | aagaaagctg | ccgttaccct | gcatgtggca  | ggaagtaaca | acagcttctt | 1055820 |
| tcagatatTT | tatatTgctt | gtgtcccttt | ttagatccag  | ttctggatac | gttgcatagc | 1055880 |
| ttctatgcag | tcttcacgtt | ctccaaaggc | tgtgagtcgc  | agatagcctt | caccgctagg | 1055940 |
| accgaagccg | actcccggag | tacttacaat | gttgacctcg  | tatagcagct | ggtcgaagaa | 1056000 |
| cttccatgaa | gtcatttcct | caggtacttt | cagccagatg  | tacggagcgt | ttacacctcc | 1056060 |
| atatacgctg | aggccggcct | tcttcaggct | ttcgcgcagt  | atacgggcat | tttccatgta | 1056120 |
| gtaattgatg | gtttccttta | tctgtttctg | tccgtcggga  | gtatagatag | cttctgcacc | 1056180 |
| gcgctgggta | atgtagcttg | ttccgTTgaa | tttagtacac  | tgacggcggt | tccacaacgg | 1056240 |
| attaagtggg | atacgTtctc | cgtcgaggct | ggctgctgtc  | acttcttttc | gaacgacagt | 1056300 |
| atatccgcaa | cgaacaccgg | taaatccggc | agtccttcgag | aagctgcgga | tttcgatggc | 1056360 |
| aactttcttg | gctccgcgga | tttcgtagat | agagtgcgga  | acgtcagggt | cctggatgaa | 1056420 |
| agcttcgtaa | gccgcgtcga | aaataatcag | tgtgtcgttg  | gcaagtgcac | agtccaccca | 1056480 |
| cttcttcagt | tggctgtgcg | taagggtagt | acctgtcggg  | ttattaggat | agcacagata | 1056540 |
| aatcaggTcc | actctgtgtt | tcggcagttc | ggggatgaag  | ttgttttctg | ctgtacatgg | 1056600 |
| caggtaagtc | acattgctcc | atTTtccgtt | ctcgtcagat  | gtacccgagc | gtccgcacat | 1056660 |
| gatgttgctg | tctacataaa | caggatatac | cgggtcgggt  | atacccatgc | tgTTgtccca | 1056720 |
| gcgaagcagt | tcgccgatgt | ttccggtatc | actTTtagca  | ccgtcgtcga | taaatacttc | 1056780 |
| agaagggctg | aggctgattc | ctcttggtgc | aaagtcgtgc  | ttgatgatgg | cctctattag | 1056840 |
| aaaatcgtaa | ccttgTtcag | gaccatatcc | gtggaatgtc  | ttggcatctg | ccatttctgc | 1056900 |
| taccgcacga | tgcatggctt | cgatacttac | ggcaggaaga  | gggcgggtta | catcgcctat | 1056960 |
| accagtcg   | atcagtttct | ttccgggatg | tgtaatttta  | aatgcgttta | ctttttttgc | 1057020 |
| tatgtccgag | aataagtagc | ttcccggtaa | tttgagaaaa  | tgTtcgttta | ctaattgcat | 1057080 |
| aaattatgtc | ttatgttttt | atatatcaat | ttcaccgtcg  | aaaactttgg | ttgccggacc | 1057140 |
| ggTcatgtag | atatggtTgt | cgtcggccca | ttcgatgtcg  | agagtacctc | cgtccattac | 1057200 |
| gatggagctc | tttcttccac | accggttggt | aaatgccgaa  | gcgacagctg | tggcgcaggc | 1057260 |

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|-------------|------------|------------|------------|-------------|-------------|---------|
| tcccgtgcc   | caggccatgg | taatgcccga | acctcgttcc | catactctca  | tgcggacttt  | 1057320 |
| gttggtccgac | agaatctggg | cgaattccac | attcacgcgg | tcggggaata  | acggatgatg  | 1057380 |
| ttccagtacg  | gtccccactt | cttcaagttt | gatttgattg | atgtcatcga  | caaaaataac  | 1057440 |
| cagatgcgga  | ttgcccattg | acacagcgat | acctttttcg | aacgcataac  | cttctcccaa  | 1057500 |
| ggttacttcg  | tgaatgtctg | aaggtatacc | catgtctacg | gtaactgttt  | ctacagtatt  | 1057560 |
| cttgctgcgg  | acgtgcaagt | gcaatatctt | gatgcccgat | aatgtttcga  | gccggatctc  | 1057620 |
| ggttttgtcg  | gtaagccctt | cttcatacag | atattttccg | atgcaacggc  | tggcattgcc  | 1057680 |
| gcacatgcgt  | gcttcagagc | cgctggcatt | gaagatgcgc | attttaaagt  | cggcctggct  | 1057740 |
| ggaagggcag  | atcagtacca | gtccgtcggg | gccgatacct | gtatgtggac  | ggctccattc  | 1057800 |
| gatagataat  | ttctctgggt | cttctattgg | atagcgcaag | gtgttgacat  | agatatagtc  | 1057860 |
| attgccggca  | ccatgcatct | ttgtaaat   | tattttcatt | tcgtctttat  | tttaatgtct  | 1057920 |
| agtaagcagc  | ctcgtgtact | cctgctacgg | cacggccgct | cggatcgttc  | aagtctctga  | 1057980 |
| aactggcgtc  | ccatgccagc | gcttcggctg | tagagcatgc | tacactcggg  | acgctcggta  | 1058040 |
| cgtgcgggc   | tgcggaatcg | ctcgggaaat | gttcttcgaa | aatgcagcgg  | tagtagtatt  | 1058100 |
| cttccttggt  | ctgcggcggg | ttgatcggga | atcgttctgc | tgcgtgcttc  | atttcctcgt  | 1058160 |
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| cggagaactg  | ttccttctgg | cgccatgcca | cgctttccgg | cagaagagat  | gcgaaggcat  | 1058280 |
| cgcgtacgac  | acgcttttcg | atggtgtgac | ccgggcacat | ctttactgcc  | gggttcaggc  | 1058340 |
| gcatggctac  | atccaggaac | tctttgtcga | ggaacggaac | acgtccttct  | acgccccatg  | 1058400 |
| cagcaagcga  | cttgttggcg | cgcaggcagt | cgtacaaata | gagtttgga   | agcttgcgga  | 1058460 |
| cagtttcttc  | gtggaaagcc | tccggtgtag | gagctttgtg | gaagtaaaga  | taacctccga  | 1058520 |
| atacttcgtc  | ggcaccttct | ccgctgagca | ccatcttgat | acccatcgac  | ttgatgacgc  | 1058580 |
| gtgccagcaa  | gtacattggg | gtagaggcac | ggactgttgt | tacgtcgtag  | gtttcgatat  | 1058640 |
| aatagattac  | gtcgcgtatg | gcatccagac | cttcctgaat | ggtatagttg  | atttcgtgat  | 1058700 |
| gtacggttcc  | gatatgttcg | gcaacgatgc | gggctttttc | cagatcgggt  | gctcccttca  | 1058760 |
| gtcccacagc  | aaacgagtgc | agttgcggcc | accatgcagg | tgcttttccg  | tcggcttcga  | 1058820 |
| tacgcttgtc  | ggcataaatt | ttagcaatgg | cagagataac | cgaagaatcc  | agacctccgg  | 1058880 |
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| ctgtacgcac  | gtcgttcacc | tgcgcagtat | atgcttcggc | ttcgggcaat  | gaggtgtaac  | 1059000 |
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| gagccttcag  | ttcactggca | caatatacag | ttccgtctgc | atcatgacct  | atatataaag  | 1059180 |
| gtataacgcc  | tatcgggtcg | cgggcaatca | ggaactcatc | acgttcttca  | tcgtaaaggg  | 1059240 |
| cgaaggcaaa  | gataccgctc | agttcttcca | gaaaatcaat | tcctttatcc  | tgatacagag  | 1059300 |
| ccaggattac  | ttcgcagtca | ctgcctgtct | tgaagtcata | ccggccggca  | tactttgcac  | 1059360 |
| gtatgtcgcg  | gtgattgtat | atttcacat  | ttacggcaag | tatctttttc  | ccgtcgtcgt  | 1059420 |
| agtaaagagg  | ctggcctccc | gactgagggg | ctacaatgga | gagacgttcg  | tgcgccaata  | 1059480 |
| tggcacttcc  | accgcaataa | ataccactcc | agtccggacc | gcgggtggcgt | atctttttcg  | 1059540 |
| ccatcgataa  | ggctttctgt | cttagttccg | gcgtttgttt | tttaatatg   | aaaatgcagg  | 1059600 |
| caattccaca  | catagtttat | ctgattttat | agatttaatg | acgactcttt  | tgcaacatgg  | 1059660 |
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| cggtagcagc  | gtcgcctgct | actacagcgt | tttccggaag | ctcaggcagt  | tgaggtttta  | 1059780 |
| agaatcccat  | ggcaagcagt | acaaggtcgg | cttcgatgat | ttccttcttt  | ccgggtggggc | 1059840 |
| gcactctgcg  | acgtccaccg | tcagtagccg | gaatccattc | cacttcttct  | acttccacgc  | 1059900 |
| cacatacacg  | tccgtcttca | gttcctaaga | aacggtttga | agtcaggctc  | cagcggcggg  | 1059960 |
| tacatccttc  | ttcgtggcct | gaactggctc | tcaggacaat | gggccattgc  | ggccatggag  | 1060020 |
| ttgccggatt  | atggccaacg | ggcggtttgg | gcatgatttc | tatctggcat  | acgctgacag  | 1060080 |
| ctccctggcg  | gttggctgtt | ccgatacagt | cacttcccgt | atctccaccg  | ccgatgacaa  | 1060140 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| gtacttttctt | gtccttagcc  | gtgatacggt | cttcgtcgct  | gaatgtctgt  | cgggccagta  | 1060200 |
| ctcggttctg  | ctgtgccaac  | atltccatag | cgaaatgtat  | gcctttcagt  | tcgctgccc   | 1060260 |
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| cgggcaaatg  | cgccaaatcg  | atltctgcat | tagtcttgaa  | gcaaatacct  | tcgtcttcca  | 1060380 |
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| catagaagat  | gccggtgatg  | ctccggttcc | tccttcgggt  | cctgagatta  | caatcagatc  | 1062420 |
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| cttacggtag | gagaataatc | cgatattgtc  | gagcatggat | gctgcttcgt | cttcgctgat  | 1063200 |
| gcttgctccc | gattcatgga | atttcaagta  | atcgctagct | atatctttca | gtcctgcacc  | 1063260 |
| tccgatagta | gaaatgtcag | taccaaata   | tcgtttcatc | atttcggcat | tcagtccac   | 1063320 |
| agcttcgaac | agtttggtc  | ctcgataaga  | acggatggta | ctgataccca | ttttactcat  | 1063380 |
| gactttatac | aagcctttgc | acagtgcctt  | gatataattc | ttttcggtg  | tggtgtagtc  | 1063440 |
| cagttggaca | tcgcccctt  | ttaccagtcc  | gtctattacg | gcaaaagcca | tgtacggaca  | 1063500 |
| gatggcactt | gcaccataac | ccagcaataa  | agcggcatgc | attacttcac | gtgcctcacc  | 1063560 |
| actttccacg | atcagcgcag | tctgtacacg  | tttctgtaca | gaaatcagat | gatggtgtac  | 1063620 |
| agcacttact | gcgagcagtg | aaggtacagg  | tgcatgggtt | gcatcgatgt | cgcggtcgga  | 1063680 |
| aagtacaatg | taattagctc | ccgcatcaac  | agcttcttct | gctttcttgc | ataagtcttc  | 1063740 |
| gatggcagaa | cgcaaactt  | cttcaccgtc  | cttgatgtcg | aaaatcattt | tcagcttaac  | 1063800 |
| ggtgctgaag | cctttgtatc | tgatattaca  | caaaatatcg | agttgcgtat | tggtcaatat  | 1063860 |
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| ggggttagta | acctgagcaa | actgctgtct  | gaaatagttg | aatagcagtt | gagggttttc  | 1064040 |
| cgacaagacg | gcaagcggag | tatcgttacc  | cattgaggca | gtcgggtctg | ctccggtctt  | 1064100 |
| gcacattgga | gtcagggttc | tttctacatc  | ttcacgggta | aatccgaata | tgcgcaagcg  | 1064160 |
| acgtcctgca | ttttttaccg | aattttctac  | cttacgaccg | ctacgcaaag | tatcgagctc  | 1064220 |
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| tgtttgctcc  | gacggacaag  | atagtagtag  | ctttaagcgg  | tggagctgat | tccggttgcgt | 1066080 |
| tattgctgtg  | gttattgctg  | gaagggtata  | cctgcatagc  | tgcgcattgt | aattttccatc | 1066140 |
| ttcggggaga  | ggaatcaaac  | cgtgatgaaa  | cttttggttcg | tacattgtgc | tgtaagttga  | 1066200 |
| atgtttcact  | tcaggtggta  | cattttgata  | cgaccggcta  | tgcatacaca | aggggaatct  | 1066260 |
| ccattgagat  | ggctgcccgt  | gagttgcggt  | ataggtgggt  | cgaacagata | cgtacagagg  | 1066320 |
| ttggagcaaa  | ggctcgtggcg | gtagctcatc  | accgtgatga  | cagcgtagaa | acctttcttt  | 1066380 |
| tgaatctggt  | cagaggaaca  | ggcatcaatg  | gtttgaaagg  | gattgctgcc | gtaaatggaa  | 1066440 |
| cgattgtccg  | tccgttgctg  | gatgtcagtc  | gtgaggaaat  | actggagttc | ttgaagagtc  | 1066500 |
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| tccgtctgaa  | cgtaatacct  | ctattgaaag  | aaatcaatcc  | gtccgtttgt | gaagctatat  | 1066620 |
| ccgaaacggc  | acgcagactg  | tctgatgcag  | agtctgtgta  | tcgtgaggcg | atgaaggctg  | 1066680 |
| cttgtctgag  | gattacggaa  | ggagaggggc  | ggtttagcat  | ttcccaaatt | ctaaaggaag  | 1066740 |
| tggctcccct  | ggccgtattg  | tttgaacttc  | tgcataccta  | tgggttcaat | gctgctcagc  | 1066800 |
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| cttccccaaa  | gatattgcat  | catgagggtc  | gtgaaataga  | tgccggattt | gagggtcccc  | 1066980 |
| gtgacccgaa  | gatagcctgc  | ttggatgccg  | acaagctaaa  | agaacctttg | actttacgcc  | 1067040 |
| gttggaatc   | gggagataag  | tttatacctt  | ttggcatgca  | cggctttaag | aaagtacgcg  | 1067100 |
| attacctgcg  | tgatcgtaaa  | ttgaccttgt  | ttgagaaaga  | gaaccagtat | gtggtatggt  | 1067160 |
| cgggggacga  | tattgtatgg  | ctggtaaacg  | aacggacaga  | caatcgcttc | cgcgtaacgg  | 1067220 |
| agaatacacg  | tcgtgtaatg  | ttgcttttga  | tggaatgata  | atccctgatt | ttctttctgct | 1067280 |
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| agtataaaact | tatgaaatit | ttttcatttt | tctttttttg  | ttaatcgtt   | aatatgccat  | 1068960 |
| acctttgttt  | gctcagaaac | aaaataggta | aaatgatgaa  | agtaggatta  | tttattccct  | 1069020 |
| gctatatcaa  | tgctgtttac | cccgaagtgg | gagtggcttc  | ttacaagctc  | ctgaaaagtt  | 1069080 |
| tgggcgtaga  | tgtagactat | ccgttagacc | agacctgttg  | cggacagcct  | atggcgaatg  | 1069140 |
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| atgattatat  | agttggctct | tcggccagtt | gcgtggtatt  | cgtgcgcgac  | cattacggca  | 1069260 |
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| agttcattca  | cgatgtagta | aagccgacct | ctcttcaagc  | ttcattccct  | cacaagggtca | 1069380 |
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| tagaaccgga  | acgtccggac | gaatgctgtg | gcttcggagg  | aatgttttgcg | gtagaagaac  | 1069560 |
| acgatgtgtc  | cggtcagatg | ggacgcgata | aggtaaaacg  | ccatatggct  | accggagccg  | 1069620 |
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| ccgcgatgcy  | ttgggtgtct | ttaccgcctt | gcttgcccgt  | tcgggtaccg  | gacagcctat  | 1070520 |
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| ccttcgttgc  | ggagcctgca | tgaacacttg | tcccgtttat  | cgtcgttcgg  | gaggttattc  | 1070700 |
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| tgttgccagt  | tcgtccaaga | aggccatgtc | gggtggcatg  | aagttcctga  | tgtcgcatcc  | 1070940 |
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| aagcttcaac  | gaaatgtgga | aaaagaataa | agtaaaataa  | gtatgagcag  | cagagaagat  | 1071120 |
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| aaaatctatc  | cggaggcccc | gcgtatcgct | tcagtggtaa  | gcgaagtaca  | gacggaaagc  | 1071360 |
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| attgcgagat  | aagccaccaa | accagattca  | gtaggacaat | acctcctatc | aggcatata  | 1071900 |
| ctgtgcgggt  | gtatactttt | ttgtctgttg  | ctttcttata | ggtaacctgc | tcttcctgta | 1071960 |
| tgctacttaa  | ttgggtgatt | aacatgtcta  | tcctaatttt | gtttactact | aaaatgtagc | 1072020 |
| athtaggtaa  | agactgcata | taatgtcttt  | gtttttaatc | attttttaaa | tagttgtatt | 1072080 |
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| ctgatgatgt  | atagctcaca | ggtactaact  | tcgtagaaca | gtgaaatatg | ttgtacgatg | 1072200 |
| ctgttctgca  | agttgaagtt | catacgttgt  | ccgatgaaaa | tatatggacg | tattttcgtg | 1072260 |
| ctgaagttat  | agtagcgatt | ggggtaacgt  | ccgggttcct | ttttccagaa | ttcttctccc | 1072320 |
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| ctcatgctcc  | acgggatata | gttctgtttt  | acggtcagtg | taaaaagcag | gtcggtagca | 1072440 |
| tacttgagag  | gcagataacc | tatcaggaaa  | tcggtttccc | attgtcgacg | tttaccataa | 1072500 |
| tcccagccta  | cacctgccga | cattactccc  | attcctccgg | catactgcat | tttcacatgg | 1072560 |
| gtaggtttca  | gtctttccca | gccttcgtat  | ctcaggtgaa | cacgtttgtc | ccaccgttta | 1072620 |
| ggggccggaa  | gctcgttgct | gtccgtcgct  | caaacagac  | aaaggggagt | acttagcagt | 1072680 |
| accagcagca  | cgtatttaaa | attcgaccag  | ctcatagttg | taatcgtttg | gtttgatagt | 1072740 |
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| gaataaatca  | ttgtccgaga | aactatgtat  | gtggccatat | acacagaatt | gcagggctgg | 1072860 |
| aaactgagaa  | atgcaatact | gaaagaccct  | tgcaatgtta | ttgttgaact | gttcggagcg | 1072920 |
| gggaggggca  | tgcatggcta | tcacggtctt  | ggctgcttgt | gacggaaagt | tttgcagttc | 1072980 |
| gcgttccaga  | aaggagaagt | tgggcactgc  | ttccgagtaa | tcaaattcca | gtgcattggt | 1073040 |
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| caaaacatac  | ggctccgcgg | aacggataat  | aaatattggt | tttccccttt | acgtttccct | 1073880 |
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| gagaaagata  | ggtcaaggta | atggaggaag  | gagaagtcgt | ttgtgctttc | cacatacgtg | 1074420 |
| ctccaaaatt  | cgggtcacct | ccgtgtgccg  | tatgtccgtc | gatgtgattg | gcttgcaagg | 1074480 |
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| aattggatgat | acaggccttc | agtccgtttt | ggttacagat  | tctgtacaag | gcagtctttt | 1074720 |
| cgcccttctac | tttttgccgg | aagtcggcag | aacgaagtcc  | tgatgaggcg | atgaactgat | 1074780 |
| ttccgacaca  | tgaacttaac | atgccggcaa | gtgtcatgca  | ggcaacgaaa | taaaatttgc | 1074840 |
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| cggttgctgg  | aaaacatcgg | gacgtttcaa | aatcttttgt  | acaaattttc | taagtttttg | 1075020 |
| tacaaaaact  | aaatcggttc | tcgccagttc | tttcataaaa  | gtgtccgaac | tatttaaaaa | 1075080 |
| catctggtta  | tcagtgatat | atgagaaaac | aaacttttct  | cttcgattta | tcaggatttg | 1075140 |
| taagggaatt  | acttttcgag | gggagaaaag | gcttttcatg  | aaaacacgac | aagcctggaa | 1075200 |
| atagtttcat  | ccgtaagctc | gataatattt | gcattttgta  | aagtaatttc | aataaagagc | 1075260 |
| cttggtgttg  | cagaaatcaa | aaatacaaaa | agaaaattaa  | aatcccttca | aaaaaggact | 1075320 |
| gactggtaaa  | gctgaatatc | tatgcaaatt | ataaaaaaag  | atactccgcg | taatcactat | 1075380 |
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| tacctcaaac  | aatatgctca | ttaacataat | tttgaggttc  | ttgcttataa | ctatctgaga | 1075620 |
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| cccagcaaat  | cgtgtggatc | aggatttcga | gtgaacggtg  | agacgtatcg | gtgggttggt | 1077360 |
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| gatcgaggtc | ggcggctttt  | ttggccggat  | accatccgaa  | gaagactccc  | gtaagcgtac  | 1077600 |
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| tatttctttg | tttgagaga   | agcgcagtc   | tttggctgga  | acaaccagta  | cgttatcgcg  | 1079880 |
| ggtaagcgta | tagatggttg  | cattggcag   | cagacgcggt  | ttcagtttca  | aatcgggatt  | 1079940 |
| gtctgccgta | atcacaactt  | cgtaagttac  | aacggtttcg  | ctggttgctg  | atgaactgct  | 1080000 |
| gcttgaactg | ctgttcgtgc  | ttcccagacg  | tacctgacta  | actgctcctt  | cgaaaacatc  | 1080060 |
| gtcggggtaa | gcacgcagcg  | taaaggtaac  | gcgtgcgcct  | tctgtaacac  | cggcgatatc  | 1080120 |
| agcttcgtct | acatcggcta  | caacctgcat  | cttggtcagg  | tcggcgga    | tggtaaatag  | 1080180 |
| tgctcgagtt | tcgaaacctg  | atgcaacggg  | ctgtccctct  | tccacgtctt  | tgctgggttac | 1080240 |
| gataccgtca | atcgggtgaag | tgatggttgc  | gtatgaaagg  | ttgcgttctg  | ctttagaaag  | 1080300 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgctgctttg  | ctttgttcgt  | atgtgctgcg  | tgcacgctgg  | taattatata  | atgattcttc  | 1080360 |
| gtagtctgtg  | tcgctgatca  | gttgtttctg  | atgtagtttc  | tcattccggg  | cgtatagttt  | 1080420 |
| tttctgatat  | tcatattcgg  | ctttggcacc  | gtcgtatgta  | gcctgtgctg  | actggaggtc  | 1080480 |
| gcttaaaaga  | gtaactttat  | ccatttcagc  | aattacttca  | ccttctttca  | ctaccgagtt  | 1080540 |
| ataatcgaca  | tatatTTTTgt | cgatgatacc  | tgaacctggg  | gtaccgactt  | ctacttccgt  | 1080600 |
| tacaggctct  | atggtagctg  | ttgcggtaat  | cgagttgctt  | acatttcctt  | tttgcacctg  | 1080660 |
| ttcggtagca  | aagtctactt  | tgttttttagc | ttttgatcca  | ccgaatatcc  | agcatcctcc  | 1080720 |
| ggctacaaca  | atgatgacgg  | ccgctgcgat  | gatgattggt  | tttttattct  | tcatattttca | 1080780 |
| agtttttata  | gttcaatttt  | attgcctgca  | tagaaattga  | ggagtgtacg  | gtttaagatg  | 1080840 |
| gccatgtatt  | tggcttgtac  | gcgttcctgt  | tgtgactgta  | gcagattggt  | tttctcggta  | 1080900 |
| agcagttcca  | cggtagttttt | catacccagg  | ttgaattggt  | cgctcaccat  | atcgaaactt  | 1080960 |
| gtctgactgc  | tttccagttt  | gctctcggct  | gccgcatatt  | gctgctgggc  | attgagcgca  | 1081020 |
| tccagccata  | gcgtttcgat  | tgtgctgtat  | agctcttttt  | gtttgtttat  | caggctcgta  | 1081080 |
| tggctgttgc  | tgtattgcag  | ccgtgctttc  | tgtacgttgc  | ttttgttctg  | gcggttatcg  | 1081140 |
| aagataggaa  | tactcaaatt  | aatgcctatc  | atgttgttcc  | agccgtattt  | catttgttga  | 1081200 |
| gcccagttgt  | ttgtactggc  | agtatttgtc  | atactggaac  | tggatgccga  | taaactgatt  | 1081260 |
| gtaggatagt  | aacctgcctt  | ggccgccgaa  | atgccgagct  | tggcattttc  | aatgctcagt  | 1081320 |
| ttgctgctct  | gaatttcagg  | acgggttgtc  | aaagctgtct  | ggtaaatgtc  | tgtctggctt  | 1081380 |
| ggtaatactt  | gcattacgtg  | ttcatcattc  | agttccggaa  | gtaccagttt  | catttcgggt  | 1081440 |
| gtaccgtcca  | gctccagcaa  | ttgtttaagt  | tgcaatttgt  | aggagcgcaa  | agaactttcg  | 1081500 |
| gctgtaacca  | gctgatattt  | gtcgttgctc  | acttgtgctt  | ccagctgggc  | aaggctcggct | 1081560 |
| ttcgaaaatac | ttccttcctt  | aaacagctct  | tctgccgggt  | gaaacgttgc  | ttcgctgacc  | 1081620 |
| tccagcgtat  | tcttgttgat  | gttgatcgac  | tcgtcagcat  | aaagaatctg  | aatgaacagt  | 1081680 |
| ttggtaattt  | cttctttag   | actattttcc  | gtttcgttta  | cggcaagtcc  | tgcaatatct  | 1081740 |
| cggttcgttt  | tctgttgctt  | gatattgttg  | agtcgttttc  | cgccgttcca  | gagtgtccac  | 1081800 |
| tgtgcattaa  | gactgtaatt  | tccgttgtaa  | gtagttttgt  | tgtcactggg  | aatgatttct  | 1081860 |
| gtgccgctta  | ccgttgcact  | ttgtcctga   | taaggctcgg  | ttattacatt  | atgtccgggtg | 1081920 |
| ctgaatgaca  | gactggggaa  | aaggcttgcc  | tttgcacttt  | ttatgtctat  | ttcgctctct  | 1081980 |
| tgaacgata   | tcttattctg  | ttgcagctga  | atgttttttt  | caagtgcata  | attgatgcag  | 1082040 |
| tcttccagcg  | tccattcttt  | ctcttcctga  | gcgtagaaag  | gagtaaccgc  | cgataagatt  | 1082100 |
| gcgataaaac  | atagtgtcgt  | ttgtttcata  | ttctgctcat  | ttaatttgac  | ggtacaaaaa  | 1082160 |
| tacaatatgc  | tatatTgggg  | ttcaaataaa  | ttagattaat  | gctgatttta  | tccggacaaa  | 1082220 |
| ggcttgcttt  | ttaccgataa  | aagactttac  | tttgtaatca  | ttataaaaaat | aaactatgat  | 1082280 |
| taaacaatatt | attcgtattt  | gggagtttta  | tcgggacggg  | ttccggagca  | tgacgcttgg  | 1082340 |
| acgtaccctt  | tgggcactta  | tcttgataaa  | gctttttatc  | atgttcttta  | tcctgaagct  | 1082400 |
| gtttttcttc  | ccgtcttttc  | tgaaggga    | aacgaatgag  | gaaaagcagg  | agtacgtagg  | 1082460 |
| ctcggaaactc | attcatcggt  | caaccgattc  | aataattaaa  | taaatacaag  | atctatgtta  | 1082520 |
| gaaagtattg  | acacatctat  | ggtcgactgg  | tcgagagccc  | agtttgcctt  | gactgccatg  | 1082580 |
| tatcactggc  | tatttTgtgcc | gcttaccttg  | ggcttggctg  | ttattatggg  | gttaatggaa  | 1082640 |
| acgctttatt  | atgtttccgg  | aaatgaattt  | tggaaacgga  | cggctaagtt  | ctggatgaag  | 1082700 |
| ttgttcggaa  | taaactttgc  | cgtgggagtt  | gccaccggac  | tgatactgga  | gtttcagttc  | 1082760 |
| ggaaccaact  | ggagcaatta  | ctcgtgggtt  | ataggagata  | tattcggagc  | tccgttggct  | 1082820 |
| attgaaggca  | ttgtggcctt  | tttcatggaa  | gccactttta  | tagcagtcac  | gttcttcggc  | 1082880 |
| tggaataaaag | taagtaaaaa  | gtttcattta  | gcctctacct  | ggctgacggg  | gctgggagcc  | 1082940 |
| actttctctg  | cgtggtggat  | tctggttgcc  | aactcatgga  | tgcagtatcc  | ggtaggtatg  | 1083000 |
| gagtttaatc  | ctgaaacagt  | gcgcaacgaa  | atgggtggatt | ttgcttcggg  | tgcccttttcg | 1083060 |
| cccgtagccg  | taatgaagtt  | catgcatacg  | gtgctcagca  | gttgatattt  | gggtgctgta  | 1083120 |
| tttgtcattg  | gcataagtgc  | atggtatctg  | ttgcgcaagc  | gggaaaagga  | atttTgctgta | 1083180 |

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|            |            |            |             |            |             |         |
|------------|------------|------------|-------------|------------|-------------|---------|
| gccagtataa | aggttgccgc | aggcgtagga | ttgtttgctg  | ccttgattac | ggcattttca  | 1083240 |
| ggagacaagt | cggcttacca | ggtagccaaa | taccagccga  | tgaagctggc | ggcaatggaa  | 1083300 |
| gcgctgtatg | aaggaggtac | tcacgaacca | cttacggtag  | taggtagcct | caagataccc  | 1083360 |
| gaaatgcitt | cttatcttgc | tactcacgat | gtagccggat  | atgttccggg | aataaacgat  | 1083420 |
| cttctgttgg | gaggatatac | gcttcctgac | ggttcaaagg  | ctctttccat | taccgaaaaa  | 1083480 |
| atagagaagg | ggaaaatggc | cattaaggct | ctttccgatt  | tccgtcaggc | aaaggaagaa  | 1083540 |
| aagaatgagg | ctggcatgca | gcgtgctcgt | caggtgctgg  | acgaaaatat | gccttatttc  | 1083600 |
| ggatacggat | atatcaaaga | tcccaattcg | attgttccga  | acgtatgggt | gtctttcttg  | 1083660 |
| gcgttccgtg | taatgggtgg | actgggaatg | tatttcattc  | tgttctttat | tgtgattttg  | 1083720 |
| ttcctgtcgt | ggaaacatca | gttgtcga   | gccaatgggt  | tgcattggat | tgctcttttg  | 1083780 |
| agtattccgc | tggcttatat | tgcaagtcag | gcgggatggg  | tagttgccga | agtgggacgt  | 1083840 |
| cagccgtggg | ctattcagga | tttgcttccg | gtgaatgctg  | ccatttccag | actggaaacc  | 1083900 |
| ggctctgtac | agacaacctt | ctttatattc | ctgatcatgt  | ttaccgtgtt | actgatagcc  | 1083960 |
| gaaatcggca | ttatgctgaa | agctatcaag | aagggaccgg  | agaaggtata | ataaacatca  | 1084020 |
| atcaaccatt | gcttaaatac | tagaaattat | ggatactaca  | tatatatttt | tacagaacta  | 1084080 |
| ttggtggttc | ctggtgtcct | tgctgggagc | attgttggta  | tttctgttgt | ttgtacaggg  | 1084140 |
| aggaaactca | ctgttggttc | gtctgggacg | gactgaagaa  | gagcgtacat | tgctggtaaa  | 1084200 |
| ttctaccgga | cgcaaatggg | agtttacgtt | taccacactg  | gtaactttcg | gaggagcctt  | 1084260 |
| tttcgcttct | ttcccgttgt | tctatagtac | cagctttgga  | ggtgcttact | ggttatggat  | 1084320 |
| gattattctg | ttcagcttcg | tgctgcaagc | tgtttcgtat  | gaatttcagt | cgaagttggg  | 1084380 |
| taatttgctg | ggtaaacgta | cctatcagta | tttcctgggt  | ataaacggaa | ttgtaggacc  | 1084440 |
| tgtattgctg | ggagctgctg | tagcgacctt | tttcaatggc  | tcaaacttca | ttgtgcggaa  | 1084500 |
| ggcaaacatg | gccagtgaga | tgatgccggg | catcagtcgt  | tgggcaaacg | gctggcacgg  | 1084560 |
| actggatgct | tttaccgatc | cgtggaacct | gattctagga  | ctggctgtct | ttttcctggc  | 1084620 |
| acgtttgttg | ggcaatctgt | atttcatcaa | taacattcgt  | cacgaggaac | tgatccttcg  | 1084680 |
| ctgccgccgc | cagttgattt | cggatgctgt | accgtttttg  | atcttcttcc | tggcttttgt  | 1084740 |
| gatccgtaca | ctattgaaac | acggatttgc | tgtggatccg  | gaaactcaag | ccattgtgat  | 1084800 |
| ggaaccgtac | aaatacttcc | ataacctgat | ggctatgcct  | catctgctga | tattattctt  | 1084860 |
| ggtgggagtt | gtcggagttc | tgttcgggtc | gataaaaagt  | attctcagta | caacctatac  | 1084920 |
| aaaaggatc  | tggtttgtag | gagttggaac | agtgtttacc  | gtattggcat | tgttgctgtg  | 1084980 |
| cgtaggatat | aaccatacgg | cttattatcc | ttcaacagcc  | gatttgcaaa | gttcgctgac  | 1085040 |
| acttgccaac | agttgctcca | gtaagtttac | gctgacaacg  | atggcttatg | tttcgattct  | 1085100 |
| tgtaccgttt | gtattggctt | acattgtcta | tgcatggaga  | gccatcgaca | aaaagccgat  | 1085160 |
| cacagtagaa | gaaatgaaag | aagacgatca | tgctatttaa  | agcgatgaga | aaaagggtgt  | 1085220 |
| tgcaaaaaga | tgtaatcgct | tcgaaaaagg | gttaacggac  | tgaacgaaat | aataagactc  | 1085280 |
| tgtttggtta | gaacgtagag | ttgtccgatt | ctgaatgacg  | aaaggtcaga | caggaaaaga  | 1085340 |
| ctggaagccc | aaccggagca | agcacttcca | aaataaatca  | gcctccagtg | aaagatatat  | 1085400 |
| tcatcttcac | tggaggctga | atttttgtca | aattttataag | tcttgcctaa | aagaacctta  | 1085460 |
| cttctgtgaa | gccggacatt | tgtcgcaagg | tgctggagct  | tgtcccattt | ttcccttagg  | 1085520 |
| catctgagga | aactgagggt | ttttcataca | cggacgatga  | gcacgtcggg | gaccattatc  | 1085580 |
| cttgaacaga | gcttccacct | gacggatgtt | caaaatcttt  | ttaaacttct | tgtaatacgt  | 1085640 |
| ttcctgagtt | tctacaagtt | tcttgcgggc | agcaaaacga  | tcctgcatca | tttgggtctat | 1085700 |
| ctctgcgtca | gtcaattctt | tgggctcacc | tttttgctgt  | tttgggcagg | caggcttgca  | 1085760 |
| ttgctgcatg | gcttccagat | attctttata | caaagggtgca | aattttgctg | cggtagcttc  | 1085820 |
| atccagaaga | agacgttgct | gtgccttttt | aacctgcatc  | tcgatacgct | gttccggtgt  | 1085880 |
| aagtttctta | tctttctgac | ccggctgtgc | caatataata  | ccgcaactca | tcatggttgc  | 1085940 |
| catcatcagt | gctgtgaata | aacgttttgt | tttcatttgt  | gttgtaattt | tggttttatac | 1086000 |
| taaaaactat | tttagcgcgc | tttctgatgc | tatgacagaa  | agctggctgg | aaggttttatc | 1086060 |

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|            |             |             |            |             |             |         |
|------------|-------------|-------------|------------|-------------|-------------|---------|
| gggaatagca | aatttttagta | ttttcgttta  | ttcaagtga  | aagtcagctt  | cccggcagat  | 1086120 |
| ggtaatcggt | ttcccgccta  | cgggatgtgt  | gaaactcagc | tcggctgcat  | gaagatacag  | 1086180 |
| tctgtcggca | tgtttcccg   | acagttcatc  | gcctacgata | ggacaagata  | gcccttgccg  | 1086240 |
| atgagccgca | tgaacacgca  | actgatgtgt  | tcgtcctgtg | agtggataga  | aagcgatcag  | 1086300 |
| tgtttttccg | tttttccgct  | ccaatacctt  | gtagcgggtt | acggctggct  | ttccatattc  | 1086360 |
| gaaacttacc | atgtgccggg  | gccggtcggt  | caggttcgga | caaagcggca  | gattgatgac  | 1086420 |
| tccttcgtcg | gagccgacta  | tgcccgacaa  | gatggcggta | tagcgtttct  | ttatctgtct  | 1086480 |
| tccactgaaa | agagcctgta  | atgtctggtg  | ggtatccttg | tctttcgcgg  | ctagcagtaa  | 1086540 |
| tccggatggt | gccatgtcaa  | gccgggtggac | gagcatggga | cccgcagctt  | gcggataccg  | 1086600 |
| ttcgtgcagg | aactgatata  | ccgaatttaa  | tgcttccttg | ccgggaacag  | acaacattcc  | 1086660 |
| cgcaggtttg | ttcaccacga  | gcagccactc  | atcctcgtaa | acgatttcag  | gttcgggtgtt | 1086720 |
| tttatgtata | ttttcggcca  | gcggattctt  | tgctacttgc | aggccgacca  | gcatgtgtct  | 1086780 |
| caggataggg | gcgcacttgc  | cttggcagga  | agggtagaag | tgctcttcgt  | gtcggatttc  | 1086840 |
| atctttcggg | gatttgcccc  | accagaattc  | tcccatggca | agtggcttga  | gccgatgcag  | 1086900 |
| gtaagcgat  | tgcaacagtt  | tgggtaaggc  | acattcgcct | gttcgcggcag | gaggagtacc  | 1086960 |
| ttgcggggta | tctttgaaca  | gttcgcacaa  | gtcttttact | tctcctttcg  | cattcagcat  | 1087020 |
| acggaactgt | tcgaacaatt  | tttgctgcaa  | ggcagccgaa | cgtgtcttgc  | gctcctgctt  | 1087080 |
| caactgtcgg | ataaattgct  | ctattttctc  | caattcttcc | gcctgctgct  | gtacttcttc  | 1087140 |
| cttcagtctt | ttttccagac  | gtttgtattc  | tgctttctga | aactggcttt  | cacgaatcat  | 1087200 |
| agccttctgc | tcttcttcgc  | tggcaccttc  | cgaacgtcgt | tgctcacgtg  | cggttttggc  | 1087260 |
| ctccttcata | tgctgtttgg  | cttcagtcag  | tgtacggtct | accggtgtct  | gacattccgc  | 1087320 |
| caaagccggt | cgcatctccg  | tcaactgccg  | actgctttcc | agttccttaa  | tctgtctgtt  | 1087380 |
| gattgccgaa | atgtttgcct  | cttcgatgcg  | gaagaatccg | tccggctgca  | acaaatcgta  | 1087440 |
| tacgggaggc | acaaaaaac   | ggtgcagatt  | actgcctgcc | agattccctg  | agaaagcagc  | 1087500 |
| cagatagcca | actttgccat  | cgggagtctg  | tacaatcaac | actccgaaca  | tctttccttc  | 1087560 |
| cgacagctct | ttcgtccagt  | ccgtccgcga  | agccagataa | tcctgaacct  | cacgggcagc  | 1087620 |
| cattactgtc | agcggatgag  | gaacataatg  | aaaaggatag | gtaaattccg  | acggaagctc  | 1087680 |
| tattccgtcg | gaatcaaag   | gaagataatg  | tattttatcg | tcgatgaaat  | ctgccataaa  | 1087740 |
| agattattcc | agttcacgct  | gacggcagaa  | acattcgcgc | aatttttcat  | caacattttc  | 1087800 |
| tacagcttcc | ttgaagagac  | cgtagacagc  | cgagccggaa | ccgctcatcg  | atgcatagac  | 1087860 |
| agctcccagg | tcgtacagct  | tgctcttgat  | ggcagctatt | tcaggatatt  | tttggaaacac | 1087920 |
| actgtattcg | aaatcattct  | tcatgcaatc  | cttcaggtt  | tccaccggtt  | gtttggctat  | 1087980 |
| ttctttcagc | gaaacctccg  | gatgctgagg  | cttcacagac | gcataagcat  | cacgtgtggc  | 1088040 |
| aacagagata | ttcgggttta  | caagaaccag  | atagtatcct | ttcagagaaa  | gttcaattgg  | 1088100 |
| ttcgaataca | tttccaatgc  | cagtagcgaa  | taccggtttg | tctttgatga  | agaaagcaca  | 1088160 |
| gtcggctccc | agtcgggctg  | cgtaggcttc  | catcttctct | tcactcattc  | cgagtttgaa  | 1088220 |
| tttttcattc | agcagtttta  | tcatgaaagc  | agcgtccgac | gaaccgcccc  | ccagtcctgc  | 1088280 |
| accggtcggg | atatgcttaa  | acaaatgaat  | atcgacaggg | agtaattcat  | aattttctgc  | 1088340 |
| tttcagcaga | ttatatgctt  | tgatcaccag  | gttatcttcg | ggagcccctt  | ctatcagtgt  | 1088400 |
| acctgtagta | tgaaacttat  | aaggtaaata  | agaaccctcc | agacggttta  | cttcagagc   | 1088460 |
| atcttgtagt | ctgatcgggt  | aaaaaatagt  | ttctaagtta | tggtatccgt  | cgggacgttt  | 1088520 |
| ctccacgacg | ttcagtccaa  | ggtttatatt  | ggcattagga | aaagtaatca  | tatcgttata  | 1088580 |
| ttttgttttt | tcaaagataa  | tgcaaagttt  | ttaaagttag | tcggcatttt  | ttcaaaaatg  | 1088640 |
| tatttaggat | acccggaaaa  | gcaaacttta  | tataatagct | ttttcctgct  | ttttcgagcc  | 1088700 |
| ggttcccgtt | tgggcttcgc  | agcaacaagg  | taaaaagttt | ctttgttcaa  | tatcaagttt  | 1088760 |
| acgtttcgcg | gtccctgatg  | ctacagactt  | gcgttcattc | ctcttattat  | agcatattag  | 1088820 |
| gaacagacat | gacagccctt  | gtcggcggct  | tggggcatgc | actcagctct  | ttgaaaagtt  | 1088880 |
| ctgattattg | tatataaacc  | atatatttat  | ttcaatagtt | cgttaaaaaat | tagcccagcc  | 1088940 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| taagcggctc  | tggcagtaaa  | taaaatgagt  | tctttgaaaa  | gtttgtcaat | taattgcgtg  | 1089000 |
| tttggttcaa  | tcccagacac  | gcaaataaat  | cgttcaagca  | tgtaagcatt | gtgtatgact  | 1089060 |
| gacttgcatt  | atgatatgga  | atattttatt  | cccatcttct  | tacaggcagc | cttggcgagg  | 1089120 |
| tttatcgctg  | caagtgatgc  | attaaagtgg  | aatgccagtt  | tcctgaagtc | tgtagactga  | 1089180 |
| cagtttgcta  | ttccggcatg  | ttgcttggca  | tcccgaaagc  | agaattcgag | ttggaaacgt  | 1089240 |
| gttctgtaaa  | agtccaggac  | atcctgtgcg  | ttctgtatct  | cgttttaga  | gaaatacagc  | 1089300 |
| tgccatttgt  | ccgttcttcc  | atccatgggg  | taccatacag  | ccaggctcac | aaagcgtttg  | 1089360 |
| agtgtcttgg  | agtatgcttt  | cagtcctgta  | agttttaccct | tgttcacttt | gtactcggtg  | 1089420 |
| catcttgtga  | tgtccagatt  | ttcaaagtca  | atcttctcgt  | catgtaattt | tggaacgtccg | 1089480 |
| cgttttcctg  | tcctattttc  | taagggtggg  | taaaacaata  | cggcatcatt | cctgaaacgg  | 1089540 |
| cttattacgt  | ggaaaccggt  | atcgtacaat  | ggttttagat  | aagttgcctt | tgaaaagaac  | 1089600 |
| gcatacacaca | cgactgtgac  | agaaatacgt  | ttcagctgtt  | cctgtatgct | gataaggtaa  | 1089660 |
| gagctgtacc  | agtcaacaag  | attcttctca  | cagctttcca  | gcgttgctgt | gtcaggtgtc  | 1089720 |
| tgtacagagc  | ccaaagtcac  | acattcatgg  | ttgtcaacgt  | ctataactcc | aataccggtt  | 1089780 |
| atctccagtc  | cacgtttgtg  | ttcaccggca  | caaccggacc  | agaaatagcc | aatccacggc  | 1089840 |
| gttttgcctg  | ctgatttttg  | aatgaaagac  | ggatcaacgg  | ctatcgcttt | gagaccacct  | 1089900 |
| tttaaggtgt  | ccctgatgat  | ggcttcattg  | aaggaaaacc  | agtcaaagcc | gtcgtttctca | 1089960 |
| aaattgttgc  | ggatgtctgt  | ttccgagaaa  | catccatacc  | gtcccatatt | taggaaattg  | 1090020 |
| atgcggtcag  | gtatagccat  | gaataatttc  | attgcatcca  | tgaatacttt | ctgaaaagat  | 1090080 |
| ttgcttatat  | ttacagctga  | ttcgagagcg  | tttctgactc  | cggattggta | ttgcataagg  | 1090140 |
| agtgtattct  | tagtcataat  | taaaagtggg  | gaagtacttc  | taattttact | aaaatcagtg  | 1090200 |
| aattatgaaa  | tactttttct  | gttgattttc  | agctgtttag  | catatctttt | tcatcccttt  | 1090260 |
| tcttactcct  | tgacgattta  | ttcttgacag  | tatttcaatg  | atctcttgaa | tataattttg  | 1090320 |
| aaccggatta  | tgccgattct  | atgttttaatt | tttaatttatc | ggtaaaaatt | taccgaagta  | 1090380 |
| ttgttattta  | gaaagctcaa  | tattgaaggc  | ttatatctat  | ctttctgctt | gttggttgatt | 1090440 |
| agaaaaatat  | acattaagtt  | atccttttta  | gccataaatg  | cataactttg | cttgtggaag  | 1090500 |
| agattaagtt  | ttagaattat  | gaaaaaggaa  | atgtgtttta  | tggtatttgt | tgacagactg  | 1090560 |
| actgttcctg  | tacatgcgga  | tgaagctcgc  | ctgcttcgtt  | tcccttctac | caatggaacc  | 1090620 |
| gatgtggtgt  | tcacttatgc  | cgggtgactg  | tatcgtgctc  | ctttgtcggg | tggtgaggca  | 1090680 |
| cagcgtctga  | cttctcatgt  | aggatatgag  | atctttcttc  | attattctcc | agacggtaaa  | 1090740 |
| tcgattgctt  | ttacaggaca  | gtatgatgga  | aatacagagg  | tttatctgat | tccatccgat  | 1090800 |
| gggtggagaac | cacagcgtct  | gacttatacc  | tcaacaaaca  | gccgcgatga | cttgggtgac  | 1090860 |
| cgtatggggc  | cgaataacat  | tgcatgacc   | tggtcgcgcg  | atggtaaaga | gattgtttac  | 1090920 |
| cataaccgta  | tcggtgacgg  | atttgaaggg  | aaactttgga  | ggataggcaa | ggaaggagga  | 1090980 |
| atgtctgaag  | cgcttccggt  | gcccgaaggt  | ggattctggt  | cctattctcc | agatgggaaa  | 1091040 |
| aagttggcct  | ataaccgtgt  | attccgtgag  | ttccgtagct  | ggaaatatta | tcgtggagga  | 1091100 |
| atggccgatg  | atatctggat  | ctatgataca  | gaagccaaga  | aggtaacgaa | tgtcacgaat  | 1091160 |
| aacgtggctc  | aggatatttt  | cccgatgtgg  | atcggggatg  | agatcttctt | tgctgccgac  | 1091220 |
| cgtgacatga  | cgtatgaatct | gtttgtctat  | aacacaaaaa  | ccggacagac | cgagaagggt  | 1091280 |
| acgaactata  | cggattatga  | cgtaaagttc  | ccgagctcgg  | acggcaatac | cattgtttat  | 1091340 |
| gaacatggag  | gttatcttta  | tcgtctggac  | ccgaagactc  | gtaagtcgga | acagattcat  | 1091400 |
| atcaccttga  | acgggtgagaa | tgtgtatgcc  | cgtacggagc  | agaaacatgt | tgctaacaac  | 1091460 |
| ttgacagccg  | taagtctgtc  | tcctaattgga | aagcgtctgg  | ccgtgactgc | ccgtggagaa  | 1091520 |
| gttttcgacg  | ttccggtagc  | gaaaggagtt  | acccgtaaca  | ttaccctgtc | gccgggagct  | 1091580 |
| catgaaagag  | atgccgaatg  | gtcgtacgac  | ggtaaaaaca  | ttgcttatat | ttccgatcgt  | 1091640 |
| accggtgaaa  | ctgaaatctg  | gcttgagccg  | gcggaaggag  | gagaacctgt | tcaactgacc  | 1091700 |
| aaggataacg  | acacttatat  | ccgtcagtta  | gcgtggagcc  | ctgataacaa | gactattctg  | 1091760 |
| tatacagacc  | gtaagaatcg  | gattgtggtg  | gtggatgtgg  | cttccaagac | caagaaagtg  | 1091820 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| ttgatgcaga  | attctgaagc  | agaatttcgg | gatgtagctt | tctctgccga  | cagccagtgg  | 1091880 |
| atcacatata  | cgaaccggc   | ttcgaatgat | ttgtcggtag | tttatatcta  | taatttgaca  | 1091940 |
| tcgggaaagg  | aatatccggt  | aacagaaaaa | tggtataact | cttctgaacc  | aacattcagt  | 1092000 |
| tccgacggaa  | aatatattgat | attcagttct | gacagagact | tcaatccgat  | ttacggccgg  | 1092060 |
| ctggaatgga  | atcatgtcta  | taccggtatg | ggaggcattt | atctggtacc  | tttggcctta  | 1092120 |
| tctactcctt  | ctccgttctt  | gggtgaggat | gcttcgggcg | cagattcaaa  | agataatacc  | 1092180 |
| acgactgccg  | catccgacaa  | gaagaaagac | gataagaaag | aaagcaccgg  | aatgaaagtt  | 1092240 |
| gataccgata  | acatgtatgc  | ccgtatcatc | aagcttccgc | tggtatgccga | taactattat  | 1092300 |
| aattttttatt | cagacggaaa  | ggctatctgg | tatcaaagca | aaggagatgt  | tcacgcattt  | 1092360 |
| aatctggata  | cccaaaagga  | tgagggtggt | gcagaaaacg | cccgaactggc | aggaaatcct  | 1092420 |
| acatcggaca  | agtcaatcat  | ctatttacag | aagaacaagt | ggtacgtgtc  | taagctctct  | 1092480 |
| accggaaagg  | ttgctttgaa  | agatccggtc | aacttgctcg | atatggtggc  | aaccatcgat  | 1092540 |
| tacaatcagg  | aatgggcaca  | gattttcgat | gaggcttgga | gagcctatcg  | tgacggattc  | 1092600 |
| tatctggaga  | atatgcacgg  | agtagactgg | aaagccatca | aggccaagta  | tcaggtactg  | 1092660 |
| gtaccgcatg  | ccaaaacacg  | tttcgatctg | aactatatta | tcaatgagat  | gatcgggtgaa | 1092720 |
| ctggcttgcg  | gacatgctta  | tgtcaatccg | ggcgaatgta | agcgtgccga  | acgcattccg  | 1092780 |
| atgggattgc  | tgggagccga  | attgagtcgt | gacggaagcg | gatattaccg  | cattgacaag  | 1092840 |
| atcatcccgg  | gagcacctta  | tagcaagagc | ctgcgctcac | cgttggcgga  | ggtaggcttg  | 1092900 |
| aatatccatg  | aaggagatta  | tattaccgct | atcgacggag | tatcgaccac  | tacagtcgat  | 1092960 |
| aatatctaca  | agctgctggt  | tggtaaagca | aacgtcttga | cagaactgac  | tatcaatata  | 1093020 |
| caggcagcca  | aaggaggacg  | aaaggtagtc | gttacgccta | ccgataatga  | ataccggtta  | 1093080 |
| tatcattaca  | actgggtaca  | gaagaacctg | aaacgggtag | aagaagcaac  | acaaggctcg  | 1093140 |
| gtgggatata  | tctatattcc  | cgatatgggt | cctgaaggac | tgaatgagtt  | tgcccgttac  | 1093200 |
| ttctatcctc  | aactcgataa  | ggaagcggtg | attatcgacg | accgtgccaa  | cgggtggtggt | 1093260 |
| aatgtttcac  | cgatgatcat  | cgaacgtctg | ctccgtaaac | cataccgtat  | gaccatgtat  | 1093320 |
| cgtacttcga  | gcaagaacgg  | aacaatcccc | gatggtaccc | agtatggtcc  | gaaggttttg  | 1093380 |
| ttgattaata  | aataactctgc | atccgacggg | gacctgttcc | cgtggagctt  | caaggccaat  | 1093440 |
| aatcttggtg  | cagtcattgg  | taccggtaca | tggggcggtg | tcacggttat  | cagcggttct  | 1093500 |
| ctgccttata  | tggacggtac  | agacatccgt | gttcttttct | tcaccaatta  | tgatgcgaag  | 1093560 |
| accggccagt  | ggattgtcga  | gaatcatggc | gtagatccgg | atatcctgat  | cgataacgat  | 1093620 |
| ccggtgaagg  | aacagatggg  | cgaggatcag | caactggaaa | aggctattga  | ggtagctttg  | 1093680 |
| gaacaactga  | aagaccgtaa  | gccattgcct | aagacaccag | ctccccgtac  | gttcaaggat  | 1093740 |
| ttaggcttat  | aataaaaatat | gtgcttggtg | atgtaaatat | catcgtgact  | gaacgatgtg  | 1093800 |
| ataggctggc  | cggatgaatga | attcctttca | ttcatcgccc | agatttattt  | aggcaggagc  | 1093860 |
| gatacccaat  | agtgaacttt  | tatgcttttt | tcattcttca | taagattacg  | attcgtgaca  | 1093920 |
| aatgaagctt  | tttcgtatct  | ttgcggaatt | aaaaattcaa | aagagagaaa  | tggcagaaac  | 1093980 |
| gagaagaact  | acccgtgtcc  | cgaaggcaac | caagacaaag | cctgttgatg  | aatacggaca  | 1094040 |
| tttgcagccg  | caggctcccg  | aactggagga | ggctgtgctg | ggagcattga  | tgattgaaaa  | 1094100 |
| ggatgcatat  | tcgcttggtg  | gcgaaatcct | ccgtcccga  | tcttttttacg | aacaccgcaa  | 1094160 |
| tcagtggata  | tatgcagcta  | tcaccgacct | ggcgatacag | cagaaaccga  | ttgatatacct | 1094220 |
| gacggtgaca  | gaacagttgc  | gctcacgcgg | cgacctggac | gaggtgggcg  | gaccttttta  | 1094280 |
| catcacccag  | ctcagtggta  | aggtggcgct | ttctgcccac | atcgaatacc  | atgcccgcat  | 1094340 |
| catcgcccag  | aagtttctgg  | cacgcgagct | gatctctttt | accagcaata  | tccagacaaa  | 1094400 |
| agcgttcgac  | gaaacgcagg  | acgtggacga | cctgatgcag | gaagccgaag  | gaaagctttt  | 1094460 |
| cgaaatctcg  | cagcagaaca  | tgaagaagga | ctatacgcat | atcaatcctg  | tcatccagga  | 1094520 |
| agcgtatgag  | atgcttcaga  | aagcggcggc | acgtaccgac | ggtctgagcg  | gtttgtcgag  | 1094580 |
| cggtttccac  | cagcttgaca  | agatgacttc | cggctggcag | aattccgacc  | ttattatcat  | 1094640 |
| agctgcccg   | ccggcgatgg  | gtaagacggc | tttcgtgctc | tccatggcaa  | agaacatggc  | 1094700 |



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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ggtaaacaac  | aaagtgcccg  | ttgcgctggt  | ttctcttgaa  | atgagtaacg  | tgcagctggt  | 1094760 |
| gaaccgtctg  | atcgtcaatg  | tctgcgagat  | tcccgggtgag | aaaatcaaga  | gtggacagct  | 1094820 |
| tgtccttac   | gaatggggac  | agctcgacta  | caagatcaag  | gaactgtacg  | atgctccgct  | 1094880 |
| ctatgttgac  | gatacccctt  | cactgtccgt  | cttcgagttg  | cgaaccaagg  | cacgccgact  | 1094940 |
| ggtacgcgaa  | cacgatgtga  | agattatcat  | catcgactac  | ctccagctga  | tgaatgccag  | 1095000 |
| cggatgtcg   | ttcggcagcc  | gtcaggaaga  | agtaagtacc  | atctcgcgtt  | cgttgaaagg  | 1095060 |
| acttgccaag  | gagctgaaca  | ttccaatcat  | cgccctgagt  | cagttgaacc  | gtggtgtgga  | 1095120 |
| aagccgtgaa  | ggtatcgacg  | gaaagcgtcc  | tcagttgagc  | gacttgctg   | aatcgggagc  | 1095180 |
| catcgagcag  | gatgccgata  | tgggtgtgctt | catccaccgt  | cctgaatact  | ataaaaatcta | 1095240 |
| taccgacgaa  | aagggaaacg  | acctgcacgg  | catggcagaa  | atcatcatcg  | ccaagcatcg  | 1095300 |
| taacggtgcy  | gtaggcgacg  | tgctgctgcy  | tttccgcgcy  | gagtttgccc  | gcttccaaaa  | 1095360 |
| tccggacgac  | gaaatgattg  | taccgatgcc  | cggcgaggaa  | aatacggctc  | cggttctccg  | 1095420 |
| ttcgaaaatg  | aacaacggcg  | gcggaggaca  | atcggttcgtt | cctcctcccg  | tagacatggc  | 1095480 |
| tccgcaaccc  | gaaaatccgt  | ttggcggctc  | ggttcccgat  | gtgccgttct  | gatgtgcacc  | 1095540 |
| tccgcatgcc  | ggaaagaccg  | gaaagggggt  | aaagaagtgg  | ggtatctgtc  | tttgagtga   | 1095600 |
| cgtaaaaaaac | tctctgtact  | catattctat  | cccaaataat  | tatattaaat  | ttgcacgaca  | 1095660 |
| atttaagaaa  | tacataaaac  | tatacatata  | tgaatatctc  | gtataattgg  | ctgaaagaat  | 1095720 |
| atgtcaattt  | cgatttgaca  | cccgatgaag  | tggcagccgc  | acttacctcc  | attggcttgg  | 1095780 |
| aaacaggcga  | ggtagaagaa  | gttcaatcta  | taaaaggagg  | actggaagg   | cttggtatcg  | 1095840 |
| gcgaagtact  | gacttgcgaa  | ccgcaccca   | attcagatca  | catgcatac   | actaccgtaa  | 1095900 |
| acttaggaca  | gggtgagcct  | gttcagattg  | tttgtggagc  | tgcaaacgta  | gctgccggac  | 1095960 |
| agaaagtgg   | agtggcaacg  | ctcggaaacca | agctgtacga  | cgggtgacgaa | tgttttacca  | 1096020 |
| tcaagaaatc  | aaaacttcgc  | ggtgttgaa   | caaacggtat  | gatttgtgcc  | gaagacgaaa  | 1096080 |
| tcggtatcgg  | tacaagtcac  | gaaggatatca | tcgtgcttcc  | tgccgatgtt  | gtaccgggca  | 1096140 |
| cacttgccaa  | agattactat  | aatataaaga  | gcgactacgt  | actcgaagt   | gatatacactc | 1096200 |
| cgaaccgttc  | ggatgcctgc  | tcacactacg  | gtgtagcgcg  | cgacttgat   | gcatggctta  | 1096260 |
| ttcagaacgg  | tcgtcaggct  | acattgaagc  | gtccttcggt  | agatgccttc  | aaggtagaca  | 1096320 |
| accacgatat  | gaacattgat  | attgttgttg  | agaacacaga  | agcatgtccc  | cgctacgcag  | 1096380 |
| gcgttgccat  | caagaacgtg  | accgtaaagg  | aaagtccga   | atggttgag   | aacaagctgc  | 1096440 |
| gtctgatcgg  | tgtacgtcct  | atcaacaaca  | tcgtcgatat  | taccaattat  | atccttcacg  | 1096500 |
| cctacggtca  | gccgatgcac  | tgcttcgatg  | ccgacaagat  | taaaggcggc  | aagattgttg  | 1096560 |
| taaagacttg  | tgccgaagga  | accaagttcg  | ttacgctcga  | tggcgtagaa  | cgcaagttgt  | 1096620 |
| ccgaccgtga  | cctgatgatt  | tgcaatacag  | aagaaccaat  | gtgtattgcc  | ggtgtattcg  | 1096680 |
| gaggactcga  | ttcaggaaca  | accgaaacaa  | caaaagacgt  | attcttgga   | agcgcttatt  | 1096740 |
| tccatccgac  | atgggtacgt  | aagacagccc  | gccgtcacgg  | actgagcacc  | gactcttctt  | 1096800 |
| tccgtttcga  | acgtggtatc  | gacccgaaca  | atacgattta  | tgcgctgaaa  | gaagctgccc  | 1096860 |
| tgctggtaaa  | agaacttgcc  | ggcgggtgaaa | ttgcttccga  | aattaaagat  | aactatccgt  | 1096920 |
| cgccgattgc  | cgatttccc   | gtagaacttt  | cttacaacta  | tgccaacgct  | ttgattggaa  | 1096980 |
| aggttattcc  | ggtagaaact  | atcaagagca  | ttgtaaccag  | cctcgaaatg  | aagattaccg  | 1097040 |
| gcgaaactgc  | cgaaggctctg | tactgctgg   | ttccggcata  | tcgtgtagac  | gtacagcgctc | 1097100 |
| cgtgcgacgt  | agtagaagat  | attctccgta  | tctatggata  | taataatgta  | gaaataccta  | 1097160 |
| cttccgtcaa  | gtcaagcctg  | agcgtaaaag  | gcgacgtaga  | caagtcggtt  | aaacttcaga  | 1097220 |
| acctcgtatc  | cgaacagctc  | gttggctgcy  | gtttcaatga  | gatactgaac  | aattcgcgtga | 1097280 |
| cagccgctgc  | ctattacgac  | ggactggaaa  | cctacaagcc  | ggaaaatctt  | gtccacctga  | 1097340 |
| tgaatccgtt  | gagcaacgat  | ctgaacgtaa  | tgctgcaac   | tttgctgttc  | ggcggctctgg | 1097400 |
| aaagcatcca  | gcacaatgcc  | aaccgtaaga  | atgccgactt  | gaagttcttc  | gagttcggaa  | 1097460 |
| actgctatca  | cttcaatgcc  | gagaagaaga  | atccggagaa  | agtgttctg   | gcttattctg  | 1097520 |
| aagaactgca  | tctgggcttg  | tggctgaccg  | gtaaacgcgt  | tagcaactca  | tgggcacatc  | 1097580 |

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| tgggagtaaa  | cttcggcgga | ctgggtattcg | gaaacctgac | cgatgatatc | tactctgtag  | 1097700 |
| ccatttcagt  | acatacccg  | ggcggcaaac  | tgctggctac | cttcggtatc | atccacaaga  | 1097760 |
| agatacagaa  | agcattcgac | atcgacaatg  | aagtttacta | tgccgacctg | aactggaagg  | 1097820 |
| aactgatgaa  | ggccatcaag | aacaacgccg  | tttactacaa | ggaaatttcc | aagttcccgg  | 1097880 |
| ctgtgaaacg  | cgacctggca | cttctgattg  | acaagaaagt | gcagtttgcc | gaaatcgaga  | 1097940 |
| agattgccta  | cgaaaccgaa | aagaaactct  | tgaagagcgt | cgagctgttc | gatgtatacg  | 1098000 |
| aaggcaagaa  | tctggaagca | ggcaagaaga  | gctacgctgt | aagcttcatg | cttcaggacg  | 1098060 |
| aaaacgcaac  | cttgaacgac | aagcagattg  | acaaggtaat | gcagaaactc | atcaccaact  | 1098120 |
| tgcagaacaa  | gctggatgcc | aaactgagat  | aaaaagaaca | ttatacataa | taaaaaacata | 1098180 |
| ttaaaacata  | aaatccaatg | ggaagagcgt  | ttgaatatag | aaaagctact | aagctgaaaa  | 1098240 |
| gatggggcca  | catggctaag | acatttacia  | gactgggtaa | acaaattgct | attgctgtaa  | 1098300 |
| aagccggcgg  | tccggaacct | gaaaacaacc  | ctgactgcg  | ttctattatc | gctacctgca  | 1098360 |
| agcgtgaaaa  | catgccgaag | gacaacattg  | aacgcgctat | caaaaacgcg | atgggtaaag  | 1098420 |
| accagagcga  | atacaaagga | atgacatacg  | aaggatacgg | tcctcacgga | gtagccgtat  | 1098480 |
| tcgttgatac  | tttgactgac | aatactacc   | gtaccgttgc | cgacgttcgt | tcagtattca  | 1098540 |
| acaaattcgg  | cggtaacctc | ggtacaaccg  | gttactggc  | tttcctgttc | gaccacaagt  | 1098600 |
| gtgtgtttac  | tttcaagaag | aaagacggaa  | tgacatgga  | agaactgatt | ctcgatctga  | 1098660 |
| ttgattataa  | cgtagaagac | gaatacga    | aagatccgga | agaaggaact | atcacaattt  | 1098720 |
| acggtgacct  | gaagagttac | gcagctattc  | agaaacactt | ggaagagtgc | ggtttcgaag  | 1098780 |
| atgtaggtgg  | tgactttact | tatattccaa  | acgacttgaa | ggatgtaact | cccgaacagc  | 1098840 |
| gtgaaacaat  | cgacaagatg | gttgaacgtc  | tggaagagtt | tgacgatgtt | cagactgtat  | 1098900 |
| atacaaacat  | gaaacctgaa | gagggagaag  | aataatattc | attatcattt | cattccggat  | 1098960 |
| aaagcggcag  | tgtgacggcc | atgagctgtt  | acggtacaag | tgcccggcct | tgtccggaat  | 1099020 |
| gtctttttta  | tcacattttg | gtttagctat  | atgaagatca | attacagaac | acaaggcaca  | 1099080 |
| tgcagcagca  | atatcgaagt | agaagtagaa  | aacgacatca | tcactgacgt | acatttcacc  | 1099140 |
| ggaggctgca  | acggaaactt | gaaaggaatc  | agctcgctgg | tcaagggaat | gaaagtagac  | 1099200 |
| gatgtcatca  | gccggctgga | aggtattcat  | tgccgaagta | agtcaacctc | ttgtcccgat  | 1099260 |
| cagttgtgca  | aggccttgcg | tgccatgaaa  | gcctgatatt | ccacagccc  | agtaaaaaact | 1099320 |
| tatccctatg  | aacgtactga | ttctcaacgg  | aagcccgcgc | aggcacggca | atgtttctgc  | 1099380 |
| catgctggat  | gccattcgcg | aggaagccga  | acgcaacgga | gccagcgtaa | ctaccgtctt  | 1099440 |
| tgtttccgaa  | cttcaggtaa | aaccttgtag  | aggctgtatg | acctgccgca | aaaccctgca  | 1099500 |
| gtgcgtattg  | cccgaagacg | gagcccagca  | ggtactctcc | gctatcgacc | gctgcgatgt  | 1099560 |
| gctggtagta  | ggagcccctt | gttactgggg  | caacatgccc | gggcagttga | aagtcgtatt  | 1099620 |
| cgaccgtatc  | gtctatggcc | tgataggaga  | gagtcctcgc | gggctgcccc | ttcccctgca  | 1099680 |
| caaagggaaa  | aaagccatat | tgataagcac  | gtgtaccacc | gcttttccgt | tcaatatcct  | 1099740 |
| tttcggccag  | agtcggggaa | ccatcaagtc  | gctgcgtgcc | attctgaaat | ggaccggcct  | 1099800 |
| caaggctcgtg | tctgccatcg | aactgggcgg  | aaccgcgcag | cattctgcaa | gcgaaaaaat  | 1099860 |
| actaaaccgt  | tgccgtaagg | cgataaagaa  | gtgcatgtaa | gcaatggctc | tatcagataa  | 1099920 |
| ttcctgcgat  | ttgcgtagca | aactactcgg  | cagaatacac | gaaaacgaca | tccgtgagct  | 1099980 |
| gtgtcacatg  | attcaatgct | gtgaaaacca  | ttcgttgacg | gaacagctct | atcggtcat   | 1100040 |
| gttcgatgcg  | gataaacgcg | tttcggacaa  | tgccgcatgg | ctgtttaccc | atctcgacgc  | 1100100 |
| agcccgtcga  | caatggctgt | acccgaaatg  | tgacgaactg | atgcaggaag | ccatgcatac  | 1100160 |
| atccagcgaa  | accaaagtgc | ggctgctgct  | taccctgctt | gctgcgcagc | cgttccgtga  | 1100220 |
| agaaaacctc  | cgtaccgact | ttctggattt  | ctgtatgaac | cggatgattt | catccggcag  | 1100280 |
| tccggcagga  | atcagagccc | tgtgcatgaa  | actttcctac | cttcagtgca | gactatatcc  | 1100340 |
| cgagcttctg  | gcagaatttc | gttcggcact  | tgagatgctg | gaggaagcat | ccccgttaag  | 1100400 |
| tcccggccctg | aaagttgcc  | gaagaaacat  | cctccagaaa | atgcgctgaa | ccctatctta  | 1100460 |

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|            |             |            |             |            |             |         |
|------------|-------------|------------|-------------|------------|-------------|---------|
| cacgttaatg | tatatgaatt  | gtctgccgtt | tcctttttgaa | aaatgcagaa | aatcactaac  | 1100520 |
| tttaggcaac | gcgctaaaag  | tgagttgcc  | tggaacctt   | aggatgtata | tacgacatga  | 1100580 |
| tgcagcgca  | caaagaaaat  | cgcgagctgc | ggaaagcagg  | caagaagcgc | atgaacgaaa  | 1100640 |
| cacgcgacag | cttgctgaaa  | ctgaccgaaa | gacaccgtcc  | gtcatcgggt | gtttctcttg  | 1100700 |
| aacaactgga | acagattcat  | gccgaaacca | aagcgagaag  | gaaatgggaa | cagcaaagtt  | 1100760 |
| tctttcatgg | aaaattaatg  | tttatcctta | tcgtagcagt  | tgttttactg | gcagtctggc  | 1100820 |
| tgatctatct | atgtgtctga  | cagctggctc | agttctctta  | ttacaaatgc | cctttgtcag  | 1100880 |
| ttgatttcat | cttttacttt  | ctttttgata | agatttagtg  | tcaatcactt | acagaggcca  | 1100940 |
| gaaagaaaac | gcctcatcta  | actgaaaaaa | tctccgatga  | ggcttctttt | tcatgcgtta  | 1101000 |
| tttatgtccg | aataagggaa  | agacagcttt | caatatctgg  | aaaaggacaa | aaaagatgca  | 1101060 |
| ggaaagtccg | tgaatttccg  | caggaaaatt | gggaaaaaga  | tgccgagaaa | aaataaaaac  | 1101120 |
| gtcacgcagt | ttttgaatga  | agctagtctt | ttgttaagat  | ttttttcatt | aaaaaggcta  | 1101180 |
| gtattcccc  | ttttacttcc  | agaatacctc | ccgtcgctgc  | ttcctgaatg | ccggcagaaa  | 1101240 |
| gtcggacagt | tctttctatt  | tccatctgta | cgaacacta   | cttccgtatc | gccgaaacat  | 1101300 |
| ctgtcagcat | cacgttcggg  | ttgtcagctt | tttgccatca  | gtccgtcgca | tcagaatctc  | 1101360 |
| tcgaaaaccg | gcatactttc  | cctctgtgcg | aaacaagcga  | ttctcatgca | acggattttgt | 1101420 |
| caaaatgaca | aaaagatatt  | tttattttat | tcaataagga  | taggcaatcc | ggtaagttct  | 1101480 |
| gaaagccttt | ttccgtttta  | tcttgaatga | aacattctgc  | ctgtcgcggc | gacctatctt  | 1101540 |
| gtcgtggaca | tttacacaaa  | actcataact | tccgttagct  | tttaggctgg | ggagcaatgt  | 1101600 |
| cttacctacc | tttttatcct  | tgtaatacac | ataaaagaac  | gatttcttga | gtagtgtatt  | 1101660 |
| accattgttg | cagattttta  | tcttcaacct | cgtatccctt  | ccctgaagta | ttccgaatac  | 1101720 |
| aggcggataa | attgtaattt  | tatccagcaa | gttcgatgga  | tcgttcacgc | taacaagttc  | 1101780 |
| gaaatagttt | ttgtaagggt  | ccgagttttg | ggcatctatg  | ccacgtgtaa | agcatgcagc  | 1101840 |
| tacgagcact | gcaagcacia  | tcaaaccctt | tttcatatcc  | catctaattt | gtttttgcct  | 1101900 |
| atgtttcttt | tgctaatacga | ttttaaaatt | aaaaataata  | tccgttcggt | gtaacatata  | 1101960 |
| agtacttatg | gaacactttt  | taagcgtttt | tttaagagcg  | ttcacttttg | ttggctgttg  | 1102020 |
| ggctattttc | tgatagcaat  | aattgctatc | ttcgtatcaa  | ttttatagga | aaaaataaat  | 1102080 |
| ttaacagact | tcgatgacat  | gaaactgact | tatatctttc  | acagcggctt | tgccctcgaa  | 1102140 |
| acagagcggt | gcatgctggg  | attcgattac | tggatggatc  | cgtccggcgt | tatgccgcaa  | 1102200 |
| ctgctgaaga | catcgaaacc  | gatgtacgta | ttctccagcc  | acttccacga | agaccatttc  | 1102260 |
| aaccggcaaa | tctttgcgtg  | gcggcagacg | aaacccgaca  | tcgtttacat | tctttcgaaa  | 1102320 |
| gacattctga | agcatcgccg  | cgacagaag  | gaagaggccg  | atgcctggct | cgccaaaggt  | 1102380 |
| gccacatggg | gcgacggact  | ggttcattgt | acggcaaccg  | gaagtaccga | cagcgggtgtg | 1102440 |
| tcgtggatcg | tggaaccgga  | tggcaagcgg | atcttccacg  | caggcgacct | caataactgg  | 1102500 |
| tacgcccgtt | tcctgaccga  | tgactatcac | ggcggactgg  | tgtatagtgc | cgaaacggga  | 1102560 |
| actgacgtga | atcccgaaaa  | ggaagagaag | cgcttttttag | gggaactgaa | agatatccgg  | 1102620 |
| aaaataacgg | acagtttcag  | cgtagccatg | tttccggtag  | acggtcgtat | cggcaacggc  | 1102680 |
| tatacccgtg | gtgcccgtca  | gtttatcgac | atgtttcggg  | taggattgct | cgttcccatg  | 1102740 |
| cattttgtag | caagcggatt  | cgagtcggcc | tggcgcatga  | aagagtttgc | agatgccaaag | 1102800 |
| aatatccctt | tctggtgcat  | cggtcgggaa | ggagaaagta  | tcgaatttta | aagaaaaaaa  | 1102860 |
| tagtttacag | aacaagatga  | agcggataga | agttgtagcg  | gcagtaattt | gtcgcgaagg  | 1102920 |
| aaagtatttt | gccaccacgc  | gaggctatgg | cgaatttaag  | gactactggg | aattttcccg  | 1102980 |
| cggaaagata | gaagcaggcg  | agagccggga | ggaagccttg  | aaacgcgaga | tacgggaaga  | 1103040 |
| gctggacacg | gaaatcagtg  | tcgattcctt | cctcaccaca  | gtagaatgtg | attaccctgc  | 1103100 |
| cttccatctc | acgatgcact  | gctttctgtg | ttccgttcgt  | tctggtcac  | tggtactgaa  | 1103160 |
| agagcacgaa | aatgctgcct  | ggctgagccg | ggaggagctg  | ggttctgtgg | actggctgcc  | 1103220 |
| ggcggatgtg | gaggtggtga  | agaagctggg | ggaggatgaa  | gtgatgttaa | aataatagta  | 1103280 |
| gaaaggtaag | aggtaatgcc  | ttaaatcttt | atatctttgt  | cagtattaat | ataaagagca  | 1103340 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gagaatgtcg  | atgttgactg  | aagtgatttt | ctgtagtgtt | gaaatttgat  | aaatgagaag  | 1103400 |
| aggattatat  | gaaagccccg  | aagcaattca | ataatatcac | ggaacgtgta  | atagatgatt  | 1103460 |
| taaggcagac  | attggcgtca  | ggcaatagcc | aaatatctat | tgccgcagcc  | agcttttcga  | 1103520 |
| tttatgccta  | tgaggcattg  | aaagaagagc | tggagaaggt | agaatgtgta  | aattttatatt | 1103580 |
| ttacgtcacc  | cacatttact  | actgataaga | ctgaaaagca | gaagagagaa  | ttctatatatt | 1103640 |
| caaaactgaa  | tagagaaaaga | aaccttttcg | gatctgaatt | tgagatcaga  | ttgcgtaatc  | 1103700 |
| agttgacgca  | acgtgccatt  | gcacgggaat | gtgcagactg | gattcggaga  | aaagcccgat  | 1103760 |
| tcaagacaaa  | tgtcacacat  | ggttccatga | attcctttct | taatgtaaag  | acaggtgacg  | 1103820 |
| aaacctatac  | ttatatgcct  | ttcaatgagt | ttactactac | agagttggga  | cttgacagag  | 1103880 |
| gaaacaatct  | ttgtccgatg  | gtagtggaaa | tgccagggtg | tagtgctaca  | gatatgtttc  | 1103940 |
| tgaaaaactt  | tactgaactt  | tggaaagaca | aagaaaagtt | tcaggatgtg  | actgataatg  | 1104000 |
| tcattgaaaa  | cattgaaacg  | gtatacaagg | aaaatgctcc | agcttttatt  | tatttcatta  | 1104060 |
| cgttgtataa  | tatcttcaat  | gagtttttgg | aagacatcag | cgaggatgta  | ttgcccaatg  | 1104120 |
| aggcaactgg  | atttaagaat  | agcgtaat   | ggaataaact | atataatttt  | cagcgtgatg  | 1104180 |
| cggctttggc  | tattatcaat  | aaactggaaa | aatacaatgg | atgtattttg  | gccgacagtg  | 1104240 |
| tgggattggg  | taaaacattt  | acggctcttg | cagtgatata | atattacgaa  | aaccgtaacc  | 1104300 |
| ggaatgtgct  | ggtgctttgt  | cctaagaaat | tgaatgataa | ctggcagacc  | ttccgttcca  | 1104360 |
| attataagaa  | taatccggtt  | ttgaatgacc | gtttgcgtta | cgatatatta  | tttcattccg  | 1104420 |
| atttgtctag  | ggacaaagga  | ttaagcaacg | gacttgatct | ggagcgtgtg  | aactggggaa  | 1104480 |
| actatgattt  | aattgtaatc  | gatgaaagtc | ataatttccg | caatggcgga  | cgttttgata  | 1104540 |
| atgaagatga  | agacgatgat  | ttcaaggaaa | atcgttatgc | tcggttgatg  | aataaagtca  | 1104600 |
| ttcgcagcgg  | agtaaagaca  | aaagtgtctc | tgctttcggc | tacaccggtt  | aacaaccggt  | 1104660 |
| tcagtgcact  | gaaaaatcag  | ttgcagttgg | cgtatgaagg | aaaagctgaa  | aatatcaatg  | 1104720 |
| acctgttgga  | tacgagcaag  | aatatagaca | gtattttcag | agaggctcag  | acagcctatt  | 1104780 |
| ccaaatgggc  | aaaactacct  | ccggaaaaga | gaacgacgga | aaaactggta  | gattcattga  | 1104840 |
| attatgattt  | ctttcagtta  | ctcgatgccg | tgacgattgc | ccgtagtcgt  | agccatatta  | 1104900 |
| tcaagtatta  | caacacagcg  | gaggtaggca | aattccctac | acgtctgtcg  | ccaatatctc  | 1104960 |
| gtcggcctaa  | actgacagac  | cttaacgatg | ctattacatt | cagtgatatt  | gctgaacaac  | 1105020 |
| tgaatgccct  | gaatttatct  | atttatacac | cttcattgtt | tatctttgaa  | agtgcaaaag  | 1105080 |
| ataattatgg  | aattgatttc  | cagggagaag | gattgactat | agatggacgt  | gaaaaaggta  | 1105140 |
| tccggaaaatt | gatggctatt  | aacctgctga | agcgtttgga | aagtagtgtc  | aattctttcc  | 1105200 |
| gtttgacttt  | gatccggata  | cacgatttta | ttaaggattc | cattacggcc  | attgataagt  | 1105260 |
| ttgaagaaaag | tggcgcgga   | acaatcgatg | ttacagattt | tacggaagat  | tttgataatg  | 1105320 |
| aagatatgga  | aaacgatccg  | tttgttggtc | gtaaatcaaa | aatcaatctc  | cgtgacatgg  | 1105380 |
| attatgtgag  | ctggcggcgt  | gacctgaaag | ctgatttgga | agtgtctgga  | ttgttgattc  | 1105440 |
| tcatgctaaa  | ggatatcaca  | ccgaagcatg | acaccaaatt | gcagcaactc  | gtagcagact  | 1105500 |
| tgaaaaataa  | gtttgagcat  | cctatcaacg | gtaataacaa | aaaagtgtctg | atattttacag | 1105560 |
| cctttgccga  | tacagccaat  | tatctatatg | aacagttgtc | tggcaagata  | ctgagcgatt  | 1105620 |
| gcggactcta  | tacggctttg  | attaccggca | gtacagaagg | taaaactaca  | ttgccgaagc  | 1105680 |
| tgaagtgtac  | gtttaataat  | atattgacgt | atttttctcc | gttatcaaaa  | gaccgggaaa  | 1105740 |
| gtattcatcc  | gagcgatacc  | cgcgagattg | atgtactgat | tgccacggat  | tgtatcagtg  | 1105800 |
| aggggcaaaa  | cttacaagac  | tgtgactatc | tgattaatta | cgatatacat  | tggaaatccgg | 1105860 |
| tacgtatcat  | tcagcgtttc  | ggtcgtatag | accgtatcgg | gagtaaaaaac | gaagtgatcc  | 1105920 |
| agttggtgaa  | ctactggcca  | gatatggaat | tggacgacta | tatcaaactg  | aaaggctcgtg | 1105980 |
| tagaaagccg  | aatgaaggct  | accgttatca | ccagtaccgg | cgatgataac  | cttttgtcaa  | 1106040 |
| atgacgaaaa  | gggtgatttg  | gaataccgcc | gtaatcagtt | gaagaaacta  | cagaatgaag  | 1106100 |
| tggttgatat  | tgaagatatg  | gatacgggag | tgaacattgt | agacttaggg  | ctgaatgagt  | 1106160 |
| tccgtctgga  | tttgctggca  | aacttaaagg | agcatcccaa | catggacttg  | actccctttg  | 1106220 |

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| gaatgtgtgc  | ggtggtgagt   | gcttccgact | tggtagagcc  | gggcgtaatg  | tatgtgctga  | 1106280 |
| aaaataagaa  | caacggtgtc   | aacatcgatc | attccaattt  | gcttcatccg  | ttttatatgg  | 1106340 |
| tttatctttc  | acataccggg   | aaagtaattt | gtgaccattt  | gtcaccaaaa  | aagttatttg  | 1106400 |
| ataagatgcy  | ttatgcttgt   | aaagacaaaa | cgttacctga  | caaggcgctt  | tgtaagcagt  | 1106460 |
| tcaacaaaga  | aactcgtgat   | gggaagaata | tgcggcatta  | cagtgacctg  | ttgcaatcgg  | 1106520 |
| ccatagaaa   | cattattacg   | gtgaaagaag | agagtgcacat | agacgatttc  | ttgaatggtg  | 1106580 |
| tgacgggcaa  | cctgtttact   | ggtgagatac | gcggttttga  | cgatttttgag | ttaatatgtt  | 1106640 |
| ttttggtaat  | taaatagctt   | atgtacggtc | ttcctatatc  | tactgaacga  | aaacggcagt  | 1106700 |
| tacctaagaa  | ggcaatttat   | gccaagtttg | acttgaattc  | tgtccaacgc  | gagagtttcg  | 1106760 |
| atgccgatgt  | tgcccgcat    | gatattgtgg | cgggtgatatc | cccgcacaacg | ataccggcat  | 1106820 |
| tgagcggaagg | aaccgaggtg   | aaagagcttt | atgtacttga  | tgtgcaaagt  | aagcgtaagg  | 1106880 |
| aatacgatgc  | aaagaatatc   | ttgctactga | cgcggttgat  | tgcgcaaaat  | atggtttttg  | 1106940 |
| cactgcygaca | cgaaaatcaa   | gtgcagtttg | ccatcttcca  | caccaagttg  | tttacaaccg  | 1107000 |
| cttggaacc   | cggtgagcaa   | gctaccttgc | cgctgtcggg  | gcttaatctc  | gatactgttt  | 1107060 |
| gggagaatat  | tgtaaaagag   | attgggcaga | ttgagatagc  | cgatgggcat  | acgctggtcg  | 1107120 |
| aacaaatagc  | tgagaatgac   | caacgagcca | agttgcttgc  | ccaaatagcg  | atactcgagc  | 1107180 |
| gcaaaatggc  | aaatgagaaa   | cagcctcgtc | gcaaacggga  | atactttgaa  | cagattaaga  | 1107240 |
| atttaaaaga  | acaagtatta   | tgacatttga | atcaaaaata  | gagagaacga  | ttgtggaatt  | 1107300 |
| aatagttcaa  | aagtataaga   | aaagacagca | cgaattacaa  | acaaacaatt  | ctacttttgt  | 1107360 |
| ctttaatatg  | tctattggct   | ttagggaatt | atthttgttct | ttaccgggta  | aatattcatt  | 1107420 |
| tgagaaaaag  | acaggttcat   | tatgttattg | tataaactta  | gatataaacc  | aaggcctaaa  | 1107480 |
| tgcaattaaa  | gatataaagg   | aaagagctcg | cattaagaac  | aatthtttatt | tgctttttca  | 1107540 |
| agtagaatta  | ttgcaagcca   | taatathttt | taaaagactt  | gaagaaaaata | atctgattat  | 1107600 |
| tgttatcaat  | aatthtttagtg | atactgagaa | attacatagt  | tttgatgggc  | aagaaggctt  | 1107660 |
| ttttgtattt  | atccaagatg   | aaagaataga | aaattatatt  | aaacathtttc | tttatttcgga | 1107720 |
| tatattacca  | actactactc   | ttatagagat | ttgtaataac  | aaatttgaaa  | cagaggataa  | 1107780 |
| aaagaggat   | aaaacgcagg   | tatatataag | tgthtttttct | attgcatggg  | caataataat  | 1107840 |
| tggtattgct  | tctathttta   | tatctatttg | taaagatact  | aagattgatg  | aagaacagta  | 1107900 |
| taataacgtg  | attaatgaaa   | tgaaatgtat | taacaaaaaac | atacttgagt  | tattaaatga  | 1107960 |
| acaaactgaa  | aatgcaaagc   | cttgatgtga | taggctcaaa  | cataaagaag  | atacagcagc  | 1108020 |
| tgthttccgaa | ctgtgtgacg   | gaacggttg  | gcaagggcgg  | caagcctgaa  | ttggctatcg  | 1108080 |
| atthttgaaaa | attgcaggcc   | gaattatcaa | acgagattat  | cgggtgaggga | gaggagcgct  | 1108140 |
| atcagttcac  | ttggcccgac   | aaacgagttg | caaatcgact  | ggccaatacg  | cccacaacga  | 1108200 |
| tgaccttgcy  | tccttgccgc   | gaggagagt  | tggaatttga  | ccatacgag   | aacctctata  | 1108260 |
| tcgaggggtga | caacctcgat   | gtgctgaaa  | ctctacgcga  | aacataatth  | ggtaagggtga | 1108320 |
| agatgattta  | tatcgaccca   | ccctacaaca | cgggcaatga  | ttthgtctat  | aacgacgatt  | 1108380 |
| ttgcacaaa   | tcgtggcgaa   | tttgaagaga | caagcggact  | gttcgatgaa  | gaaggcaacc  | 1108440 |
| aaaccatcga  | cccgatgcag   | cgcaatacag | agagcaacgg  | tcgctthtc   | accgactggc  | 1108500 |
| tcaacatgat  | ttatccacgt   | ttgaaagttg | cccgcgactt  | gttatcgga   | gacgggggtga | 1108560 |
| ttthttatctc | aattgacgac   | aacgaggtcg | agaatctacg  | taaggatgt   | gatgagattt  | 1108620 |
| tcggagaaca  | gaathtttatt  | acatccatta | ttattagagc  | taatagtcgt  | ggacagacat  | 1108680 |
| ataatcaaat  | agccaaaact   | cacgaatata | tcctcgtata  | ttcaaaaaca  | tcgacagcag  | 1108740 |
| agctathttga | tttggaaga    | gatatggaaa | aatctgatct  | caathttaaaa | gatgatattg  | 1108800 |
| gagctthtcaa | tataagggaa   | ttagaataa  | gaaatcctaa  | gtthtgggaag | cataataggc  | 1108860 |
| caggtthgtt  | ttatccaata   | tatgtgaatc | ccaatgtaat  | tgatcggtgat | ggthttccatt | 1108920 |
| ctathttctt  | aaataaagat   | gatgaatatt | gtattgaagt  | gttcccatat  | aattcaatgg  | 1108980 |
| ggaaagagag  | ttgttgga     | tggggaaaaa | ctaaathttga | aataaathgt  | tcggagaata  | 1109040 |
| cactcagaag  | caatattgta   | gccaagaaa  | aatctagtgg  | tggaataaat  | atatatgaga  | 1109100 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| aatatcgcaa  | aacgacatat  | aagcctaaat  | ctatttggga  | cgataatatt | ttcctaacag  | 1109160 |
| aaacaggaac  | cgtaaatta   | aaagagttag  | gatttaattg  | tgaattcgat | ttccctaaac  | 1109220 |
| caaccgattt  | agttaaacga  | tgtttgtctt  | tatctacaca  | agaagatgat | actattcttg  | 1109280 |
| atttcttttc  | cggttcagcc  | acgacggccc  | atgctgtaat  | gcaacttaat | gccgaagatg  | 1109340 |
| gaggcaaccg  | caagtttatt  | atggtacagt  | tgccagaaaa  | gaccgatgaa | aagagcgaag  | 1109400 |
| cttacaaaagc | cggatacaaa  | aacatctgcg  | aaatcggtaa  | ggaacgcata | cgtcgtgccg  | 1109460 |
| gcaaaaagat  | aaaagaggat  | aataaagaca  | aggaaggtat  | agaaaaactc | gacaccggat  | 1109520 |
| tccgcgtgtt  | aaaacttgac  | tcctccaata  | tggaagatgt  | gtactatacg | ccgcaggagt  | 1109580 |
| ttacgatgca  | atcgttgttc  | aatgaaaatg  | taaaggcaga  | cagaacaggc | gaagattttgc | 1109640 |
| tgtttcaagt  | aatgctcgac  | ctcggatatag | aactttcggc  | caagattgag | actcaacaga  | 1109700 |
| tagcaggcaa  | aacagtttac  | ttggtagatg  | acaactatct  | gatagcttgc | ttcgaccgtg  | 1109760 |
| atgtgactga  | agcagccatc  | acggaaattg  | caaacggca   | tccgatatac | tttgtcatgc  | 1109820 |
| gcgatgtttc  | ggccgccaac  | gacaatgtga  | ttgacaactt  | tgagcaactg | tttgaagcat  | 1109880 |
| atagcaaaga  | tacggtaaga  | aaaatcttgt  | aatcagaaag  | gatagaagaa | tggaagaaaa  | 1109940 |
| caagatgatt  | atctatacct  | ctatcgatgg  | gcagactaag  | attgatgtca | gactggaaga  | 1110000 |
| tgaaaccttg  | tggctcacac  | aagcgcagat  | gtgtgagctg  | tatcagacca | gtaaatcgaa  | 1110060 |
| tgtcagtga   | catattaagc  | atatctttga  | agagggggaa  | ttagacgagg | aagcagttgt  | 1110120 |
| tcggaaattc  | cgaacaactg  | cttcggatgg  | gaaatcatat  | aataccacat | tctataatct  | 1110180 |
| cgatatgatt  | atagcgctgg  | gatatcgtat  | caagtctgtg  | atagccaccc | gttttcgtca  | 1110240 |
| atgggcaaca  | caacggctga  | aagaatatat  | gataaaaggc  | tttacgctgg | atgatgaccg  | 1110300 |
| gttaaaaaaa  | ttgggaggcg  | gaggctattg  | gaaggaattg  | ctggaacgca | tcagggatata | 1110360 |
| tcgtgctacg  | gaaaaggctc  | tttatcgtca  | ggtattggaa  | atctatgcta | caagtataga  | 1110420 |
| ttatgatcct  | cgtgcttccg  | taagccagga  | gttctttaag  | aaagtacaga | ataaaaattca | 1110480 |
| ttatgcggtt  | cacggacata  | cggctgctga  | actgattgtg  | gaacgggcag | atgccgaaaa  | 1110540 |
| ggattttatg  | ggtttgctga  | catttaaggg  | tactcaacct  | acattggtag | aggccaagac  | 1110600 |
| tgccaaaaaac | tatttggtatg | aaaaagaact  | tcgtgcatg   | ggacagcttg | tttccggata  | 1110660 |
| tttggttttc  | gcagagcgtc  | aggcagagcg  | tgaacagccg  | atgaccatga | atgattgggc  | 1110720 |
| agagtatctg  | gaccgaattc  | ttacgatgtc  | gggagaacag  | ctcttgagg  | gttctggtaa  | 1110780 |
| tgtgtcacat  | gctgaggcca  | tggagcatgc  | tacaaacgaa  | taccgtaaat | ataaacaacg  | 1110840 |
| taccataagt  | gaggtggagc  | aggattattt  | ggactctatc  | aaggctattg | acaatttgag  | 1110900 |
| caaaaaaggt  | aagagggatt  | aaacagaaaa  | tgaatcaaaa  | atgaaattca | agtttaagat  | 1110960 |
| acagcaatat  | cagaccgatg  | ccgtagaaaa  | tacggtggcg  | gtatttcgtg | ggcagccgtc  | 1111020 |
| acatacttta  | tcgacctatc  | gcagggactt  | gggtacctat  | cagaaccaac | ggatcatata  | 1111080 |
| caaggaggaa  | gaggccggct  | acggcaacca  | ccgtttggaa  | ctggataagc | agacgatact  | 1111140 |
| tcggaacatc  | cgcttcgtac  | agaatttata  | cgatataact  | ccttcggaaa | cactgtccaa  | 1111200 |
| gggagtggca  | ccggtaaatc  | tggatataga  | gatggagacc  | ggtacgggta | agacctatgt  | 1111260 |
| ctatatcaag  | acgatgtttg  | agctgaacaa  | acaatatgga  | tggagcaagt | ttattgtggt  | 1111320 |
| ggtgcccagt  | atagccattc  | gtgagggcgt  | agccaagagt  | ttcaccatgc | tggaagagca  | 1111380 |
| ctttatggaa  | ctctacgcaa  | agaaagcccg  | gtggtttgtt  | tacgatagta | gtaatctgca  | 1111440 |
| acagttagac  | agcttttcgt  | cagattcggg  | attgtgtgtg  | atgattatca | atacgaggc   | 1111500 |
| atttgctgcc  | tcgatgaaag  | aggggtggccg | cagtaaggag  | agtcgtatta | tatattccaa  | 1111560 |
| gcgcgatgag  | tttggaaagg  | gccgtccgat  | tgatgtgata  | gcggccaaca | atcctattgt  | 1111620 |
| cattatggac  | gagccacaga  | agatggaggg  | tgatgccact  | caggctggta | tcaaacgatt  | 1111680 |
| caatccgttg  | tttgtgttga  | attattcggc  | gacgcacaaa  | accaagcacg | atacagtcta  | 1111740 |
| tgcactcgat  | gcgttggtatg | cctaccgcca  | gcagctggta  | aaacgtatcc | atgtaaaggg  | 1111800 |
| ttttgagttg  | aagaatctgc  | gggttacaag  | cggttatatg  | tatcttgaca | gtattgaact  | 1111860 |
| ttcgcccaaa  | cgaccaccta  | tggctcgtat  | tgaatatagaa | acaaaaacgg | catcgggcac  | 1111920 |
| tatcgtacga  | aagactaaaa  | ctttcgggtac | gggtgacagc  | ttgcttgaag | aatcaggcctt | 1111980 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| ggctgaatat  | gaagggtttta | cgttgtctga | aatcaatgcc | aaagggttatg | ttacattcct  | 1112040 |
| gaatggcgtc  | acgctgcgga  | gaggagaggt | aatcggagac | acgaatgagt  | taacgatgca  | 1112100 |
| gcgcgtacag  | ataagggaaa  | ctatcaagtc | gcactttgaa | aaagaacggc  | aattgttcaa  | 1112160 |
| gcggggatc   | aagtgtttgt  | cgcttttctt | tattgacgaa | gttgccaaat  | ataaaaagtta | 1112220 |
| cgacgaagag  | ggaaatgaag  | tgaagggtgt | gttccaaaag | atatttgaag  | aagagtatgc  | 1112280 |
| acgcctggta  | agtgaagagt  | tccacatttg | ggacgaggat | tacaatgaat  | acctacgtcg  | 1112340 |
| gtttgtaccc  | caagaggtac  | atcgtggcta | tttctcgata | gataagaaaa  | caaaccgggt  | 1112400 |
| aatagatgga  | aaggtagaga  | aaaagaccgg | cctgtcggat | gacatatcgg  | cttatgacct  | 1112460 |
| gatattgaag  | aataaggaac  | gcctgttgag | ttttgacgaa | cctaccggtt  | tcatcttctc  | 1112520 |
| acactcagca  | ctgcgtgagg  | gttgggataa | cccgaatgta | tttcaaactc  | gtacgttgcg  | 1112580 |
| acactcta    | tcaaccacag  | ccaaacggca | ggaagtagga | cgtggcctac  | gtctttgtgt  | 1112640 |
| ggataaaaa   | ggagtcgta   | tggacaaaga | gttattggga | gatgatgtac  | atgaggtcaa  | 1112700 |
| caaattgacg  | gtcatagcca  | atgaaagcta | tgccgatttt | accagtgc    | tacagaaaga  | 1112760 |
| gacccgtgag  | gtactgcgcg  | aacgtgcagc | caaagcaact | gtagcctatt  | ttaccggcaa  | 1112820 |
| gcagataaag  | attggagaag  | agcttcatac | catagacgaa | ttggaagcaa  | gtcgtattat  | 1112880 |
| catctatttg  | gaagacaatg  | gctatattga | cgaagataaa | catatcacac  | ctgaatatcg  | 1112940 |
| tgaggctata  | gccagcggca  | acgtagcacc | attgccacca | aaattacaac  | cgatagccga  | 1113000 |
| gggagttacc  | cgactgatca  | attccatatt | tgatccgaaa | gctctcgatg  | atatggtggt  | 1113060 |
| ggaagagaaa  | accactattc  | cggaaaatag | gctgaatgag | aattttggca  | aagaagaatt  | 1113120 |
| ccaggcatta  | tggaaagaaa  | tcaatcatca | atatgtttac | acggtaagct  | atgacagcga  | 1113180 |
| cgagctaata  | gagaaagcca  | ttctgcatat | caatgcagaa | ctggatgtaa  | aacagcttcg  | 1113240 |
| ttatattatg  | gttgaaggga  | cgcaggatga | aaaacaggtt | acagaatttg  | gcgatacccg  | 1113300 |
| gtcacaatcg  | catcagttga  | ccgatgtatg | tacctcgacg | gttcgttacg  | atgttgtagg  | 1113360 |
| tgatattgcc  | aaaggggcaa  | acctcactcg | tcgaacagtt | gtgaagatac  | tgcaaggtat  | 1113420 |
| taaagaaagc  | aagttgtatc  | tgtttaaaaa | taatcccag  | gaatttatcc  | ggaaagttat  | 1113480 |
| cagcatcatc  | aaggaacaga  | agtctacgat | gattgtagaa | acaattcact  | ataacatgac  | 1113540 |
| cgaggga     | tacgatagca  | gtatcttcac | agtaaagagt | aaaatggact  | ttgacaaggc  | 1113600 |
| ttacgaagcg  | aagaaacata  | taaccgacta | tgtattcagt | gacagtaagg  | gagagcgaca  | 1113660 |
| atgtgcccat  | gatcttgatg  | aagccaagga | ggttgtagta | tatgccaaagt | taccgcggac  | 1113720 |
| cttccagata  | ccgacacctg  | ttggaaatta | tgcaccggac | tgggctattg  | ccatggagggt | 1113780 |
| agatggaata  | aagcatattt  | tctttattgc | tgagactaag | gggtcgatgg  | gctctatgga  | 1113840 |
| gataaggggg  | gtagaaaaag  | caaagataga | gtgtgccgag | aagttgtata  | actctatctc  | 1113900 |
| tacgtccaag  | gtaaagtatc  | acaaggtagc | ttcatatagt | gatttgttgg  | atgaaatggg  | 1113960 |
| taaagagtgt  | tgatgattct  | aagtaaggat | aacaaggatg | aatctgttgt  | gagtagtgta  | 1114020 |
| aagtattgtg  | ttatacattt  | tttatagaaa | actcataggc | tggagagtag  | tcaaagccat  | 1114080 |
| gggctgagac  | tacttcttcg  | gctagtgtaa | aatttgctca | ttatcaagat  | agtttcctat  | 1114140 |
| taaaaactca  | attgaatgct  | tagatttgtt | ttgctcaata | ttttaaataa  | atacattttc  | 1114200 |
| ttgggttattt | atagggcgat  | ttgctcttcc | tgaagttggt | tttgtgcaaa  | ttaagtcttt  | 1114260 |
| tgtagacata  | taagtttccc  | attatacgta | ttatttgatt | cgaaaattgt  | cgttgtgaat  | 1114320 |
| ggtatgttac  | ggaaagaata  | aacatgttaa | gcacatataa | ataatccttt  | agttatagta  | 1114380 |
| aacggattgt  | ttacttcggc  | tttttctgta | acttgcgtgc | ccttatcatc  | aaaaaatcat  | 1114440 |
| aggaaacgaa  | taatgaagag  | atctcgtcgc | catacaggca | tacggacgtt  | ttccgctatc  | 1114500 |
| atactgctga  | tggtgatgct  | gctgcaagtg | ggggtaaaag | gctttcacag  | gcatcattgt  | 1114560 |
| gtggagacgg  | taagcgtgac  | ttgtagcgac | tgtgagcatc | atcgtgttca  | cgacggacac  | 1114620 |
| attctcaagt  | ggaatggcag  | ttgcgatgac | tgtatcgtct | gtcagttgtt  | ctcttctcct  | 1114680 |
| ttctgtaagc  | cgcagggtat  | tcaactcaat | gttatccctg | ttcgggtatca | gcaaccttgc  | 1114740 |
| atgtgcttcg  | ttgccgccat  | tctggatgta | agcagatgca | gcatcattcc  | ccgggggcct  | 1114800 |
| ccggcttttc  | tattataata  | tgtttgaagc | tctttgccaa | tgtgttggtta | gaagagcgct  | 1114860 |

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|            |             |             |            |            |            |         |
|------------|-------------|-------------|------------|------------|------------|---------|
| tatttatgca | tttataatag  | aaacaacaat  | gaaaagatac | atatttatgg | tgtgtctgct | 1114920 |
| gggcgtatgt | gccacagcat  | tcgcacaggt  | tcagcatgac | catagcgcat | gctacgagga | 1114980 |
| tagtataagc | tctctgaagg  | aggctatatt  | aagtgaagtt | acagtttacg | gattgaccgg | 1115040 |
| tacgcagcgg | atgaaggatt  | cgcccatcgc  | tttttcggtc | atttcgcca  | agaagttaca | 1115100 |
| tcaatcgttc | ggtaccaata  | tagtggatgc  | catcaccttc | cagcctggta | tttcccagat | 1115160 |
| ttctacggga | gcgggtatca  | gtaagccagt  | tattcgtgga | ctcggttata | atcgggtggt | 1115220 |
| ggtaatagaa | cagggatatac | gtcaggaagg  | tcagcagtgg | ggcgatgaac | atggtctgga | 1115280 |
| ggtggatgcc | gagggagttc  | attcggtaga  | gatactgaaa | ggtccggctt | cgctgatgta | 1115340 |
| cggcagtgat | gcgattgccg  | gtgtcatgat  | tctgcacctt | gaaccgtcgc | ttatgcaggg | 1115400 |
| aacgatgcag | gcaaaggtag  | gaggtgaata  | tcagtcgaac | aatggtctgt | acaactatca | 1115460 |
| tgctggtttt | gcagggaaaca | tcgatggatg  | gatgtggaac | gtgcattatg | ctgataaggc | 1115520 |
| tgctcatagc | tacaagaatg  | cactcgacgg  | gtatgtgcct | ggttcttggg | ttaaggaacg | 1115580 |
| ggatgtgcag | gcaatggcag  | gtgttaagaa  | gagctgggga | cattcgtggc | tgcgtttttc | 1115640 |
| gcatgtgaat | tttactcccg  | gcattactga  | gggtgaacgt | gatgaggaaa | gcggacagct | 1115700 |
| tgtatgggaa | aagggaaatt  | ctccgaaggc  | gtacagttgg | catttgcctt | tccagcgggt | 1115760 |
| acttcatacc | aaggtggtga  | gcgacaatgc  | atggtacatc | gcagacggga | tgctgaaggc | 1115820 |
| tgctcgtggg | tatcagcaga  | actatcgcag  | ggagtttgag | gaggctatgg | atgaagcgga | 1115880 |
| actggctatg | cgattgcata  | cgggtgaacta | tgacttgcgg | tatcagttgc | cacttgccaa | 1115940 |
| cgactggagt | attgctacgg  | gggtgaatgg  | aatgtggcag | cggaacttga | atcaggcgga | 1116000 |
| agagatgctc | attcctgatt  | atcgtctttt  | tgactttggg | tatttcttta | cggccaataa | 1116060 |
| gcagataggg | cgctggagtc  | tgtcgggagg  | tgcgcgatc  | gacaaccggc | atltgcatac | 1116120 |
| tcaaaccggc | gagaaggatg  | gaaagttgca  | ttttgaagcg | ttgggtaagg | actttaccgg | 1116180 |
| agtgaccgga | agtcttgagg  | cgggtgtataa | tgtacgtgaa | gggatgaatc | tgcggttgaa | 1116240 |
| tctggctcgt | ggtttccgtg  | cgccgactgt  | cagtgaactc | ttgtcgaatg | gagtgcagta | 1116300 |
| aggtagtatt | cagtatgaac  | tggggaacag  | ggacttgaag | tcggaataca | gcatgcagg  | 1116360 |
| cgatctcggc | atggattata  | catcgcgtta  | tgtggctgtc | aatgcatctc | ttttcagcaa | 1116420 |
| ttggattgat | aactatatct  | tcctgggccg  | acttccttat | gaaacggaag | ggtatcgcac | 1116480 |
| ttatcagtat | cgtcagggca  | atgcacggct  | cataggagga | gaggtatttg | tagatgtgca | 1116540 |
| tcctgtagag | cccttacact  | tcgagaatac  | atlttcgtac | gtacgtggta | ttctgttaaa | 1116600 |
| tcaggcagcc | gagagtcgta  | atctcccgat  | gatgcctgca | ccccgatgga | catgtaatct | 1116660 |
| ccggtatgag | tttcccatt   | ttgcccggaa  | gcgttgacga | cgtgcgtttg | tcagcttggg | 1116720 |
| tatggagtac | aatcttcgtc  | aggacaatta  | ttatgcgctt | gataaactg  | agtcagctac | 1116780 |
| tcccattat  | ggcattttta  | atlttgctgc  | cggataggac | ttgcatgtat | ttggtcacaa | 1116840 |
| ctgcatcgag | ctgagtctgt  | gtgtcagaa   | tctttttgac | aaggtatatc | aatctcatct | 1116900 |
| ttcgcgtttg | aaatatgccg  | aagtcaacaa  | ggttacagg  | cgccagggga | tttcggctat | 1116960 |
| ggggcgtaat | atctgtttga  | gggtgaatat  | tccgattgat | attcatgtaa | gataagaatt | 1117020 |
| ctattaaggc | tggcttcgtt  | tgtgaggcca  | gcctttttta | tgatctgtta | cttactgaaa | 1117080 |
| tgtgtctata | gatgtatctt  | aagacgatga  | aaaaagtcgt | gtgatttggt | tgtggttata | 1117140 |
| gaaagatatt | atacctttgc  | tatatgtaaa  | ttgttgatat | atagtatggt | tgtgtaataa | 1117200 |
| aatcaacttg | ggtctgaacg  | gagaatcatt  | gactaggggg | gattttatga | atcttacgta | 1117260 |
| gaacgtaatg | tatgaatata  | acatactaaa  | aaaataatat | gatgcagtag | cattaatgga | 1117320 |
| ataggtaaat | tctttatgag  | ttatataaat  | aaaattagct | atcagattta | taaggctcag | 1117380 |
| aagaagcctt | accggcagat  | gcttgatgag  | ttgttctctc | atcttgatgt | aaagcaggct | 1117440 |
| gtgttgcgca | tcgtgctttt  | tggagaggta  | gtcagtaagg | acgattatat | gtggcggttg | 1117500 |
| gcgcagtttc | gcagaaaggc  | agaagagtat  | tttcaggatg | ctttgcctgt | agtgacattt | 1117560 |
| gttgccgaga | agcctctgga  | tgccgaatta  | gttttgagg  | tacatgggta | catgtctgaa | 1117620 |
| aggaatgacc | ggttgagata  | taaatcttac  | ggaggttttc | cttatgtggg | tcttacaat  | 1117680 |
| gagtgaggac | gttttttata  | tgctggagg   | gtgtgcgttt | cttttgacag | tgacatctat | 1117740 |



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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| actcagtcta  | aggaggtttt | tcgtgtgttg  | gagtgtatct  | tgaaccgtga  | gaaattttct  | 1117800 |
| gttggttcga  | ttgtaagaca | gtggaattat  | attgacggca  | ttactgcttt  | cgataataac  | 1117860 |
| ggtgaccagc  | attatcagat | gtttaacaat  | gctcgttccg  | aatttttatt  | gtctgatacc  | 1117920 |
| tggaagaatg  | gttatccggc | tgctacgggt  | attggtactc  | ggggaggggg  | cgttatagta  | 1117980 |
| gatattgatg  | ctgcaatggc | caaggaagtt  | tctttttcta  | ttttaccgat  | tgacaatgaa  | 1118040 |
| ctacaagttg  | cggcttattc | gtattcaggt  | tctgtatttg  | aaaaggcggg  | cactgggaaa  | 1118100 |
| acaactccga  | aatttgaacg | ggcaaaaagt  | ttacaaacgg  | gtgattgttg  | tatgatgtat  | 1118160 |
| ctgtctggta  | cagcggctat | acgaggtgaa  | gtaagtcttg  | cggagcggga  | tgtggttgct  | 1118220 |
| caattacgta  | ttacactgga | aaatattcgt  | catttgatag  | gggatgtgtc  | gatgaaactt  | 1118280 |
| ttacgtgtat  | atcttaagaa | tgagagtgat  | tataataaag  | tacacgatag  | tttagaaaagg | 1118340 |
| gaggggggtt  | gtattttcta | tctgttggct  | gatgtgtgcc  | gtgatgaact  | actgatagaa  | 1118400 |
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| gaatatcttt  | atgacatttg | catggtacgg  | acacctgaaa  | atgctgtagg  | aattcagttg  | 1118640 |
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| tatgattgcc  | tttaaaatgg | aactgaaatg  | gaatcatctg  | gctgctttct  | gctgcctgat  | 1118880 |
| tctggctgta  | tactttgtgt | ttaagaagta  | attgaaaaat  | tattttattt  | tcgcattata  | 1118940 |
| gaaaagggtc  | gtcatgattg | tgatatacgt  | acgcaccttt  | tgtgtgacgg  | ttattgtcag  | 1119000 |
| ttctgttggt  | cacgtaagcg | gcgggtttgc  | atctccacgt  | cgtatacgtt  | gtgattttgtc | 1119060 |
| ttatctcgct  | ttaagaactc | ttgtcggcga  | atggaatctt  | cggctgcccg  | ctgtcggata  | 1119120 |
| tagcgcgtgg  | agtcgggaag | tgcttcgggc  | tgacgggagt  | tggctctttg  | ctttttctcc  | 1119180 |
| ggctttttct  | ccggcttttt | ctgcggcttg  | tctgccttta  | cggaatcggg  | ttgcgacgta  | 1119240 |
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| agtgaatcgt  | tgtccgggta | cagataaccg  | tcgtcgtagg  | aaagaatctc  | ttcgtcggta  | 1119360 |
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| tgggtacgg   | tgtgcttgat | ggcacgtccg  | cgctttgtca  | gactttcgta  | cagcaacttg  | 1119540 |
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| tcgccgggaa  | cgggctttta | atctctgcca  | tattctccac  | ggcgcttttg  | attaggattt  | 1119660 |
| atgttccaat  | atatcttcca | ttttttctcg  | atggtcggca  | tgacgtcgta  | aacgggattt  | 1119720 |
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| actcgtgtgg  | agtcgatcat | gctacgtggc  | atggataggt  | cttctttgaa  | ctgcatccat  | 1119840 |
| ttcttggtcca | tcggggcggt | cagaggctgg  | tatcggttct  | cgttgggtac  | gaagtcgaat  | 1119900 |
| tgtatcatct  | tgatggcatc | ttcgttcagc  | tttatctctt  | cttctttctt  | ttcgggtctgt | 1119960 |
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| cttgtagatg  | gcataatgat | tgctttataa  | accctttact  | cgtccgccct  | gcatccatac  | 1120080 |
| tctgcggtag  | tagggctcat | ccagtcggct  | cacaatgacg  | ccgcgactgg  | tactagcatg  | 1120140 |
| gatgaaacgg  | ttgtctttca | gataaatgcc  | tacatgggtg  | gcgggtgcgct | tgttctttcc  | 1120200 |
| gttatgaaag  | aaaacaagat | cgccttctctg | aagtctgctt  | ttacttactt  | tcgggcagtt  | 1120260 |
| cttttggtctt | tgttcacggt | agttgcgctt  | caggtgcttg  | cgggtacactt | tcttatagat  | 1120320 |
| gttgatgtgc  | agtcgggaac | agtcaactcc  | tttcatgggtg | ctgcctccgg  | cacggtaggg  | 1120380 |
| aacacctatc  | cagtgggcag | attcgatata  | caggcgatgg  | ttgtcttcca  | tgtctatgtc  | 1120440 |
| catatcgagg  | cggatagccg | cttgtgccag  | ttctcggtag  | tcgtatcggg  | gagcacgtgt  | 1120500 |
| gccacaggag  | ctaagaagga | gggtgagcaa  | tatcccgatg  | aagcaggtaa  | tacgaacagg  | 1120560 |
| atggtttgtg  | taacgcatac | atgtgtttgt  | tgacattttg  | acaaatatac  | aataatcggg  | 1120620 |

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| ggggcttctt  | ttaacgggat  | ttaaaatttt  | aaaataggaa  | aacagaaatc  | tttcttgttc  | 1120740 |
| tgtagacaga  | aaaataaaaa  | atctgcaagt  | tttgatacgt  | atgtatttgc  | acttgcagat  | 1120800 |
| taagggtaat  | gctgaataga  | ttattgttgt  | tagggTTTT   | gtatggcgaa  | aaaatgtttt  | 1120860 |
| tggcctctac  | tctcattggc  | atatacaata  | atttctgttt  | gtttacctgc  | ctgtaactca  | 1120920 |
| atgttgccag  | atgctgtaat  | gttgtaattg  | ccttcgttac  | attccatgta  | tccaaacatc  | 1120980 |
| attccatctg  | taatggtttg  | aggtgggtaca | atagctttta  | atgaattggg  | tccggttgaa  | 1121040 |
| cacattttga  | ttgttgcttt  | gttccctgta  | tttgtaaattg | ttttataatt  | cagattttaca | 1121100 |
| ttagctttat  | aatacatgtc  | ttttagggtg  | aagctatata  | cagcgttaaa  | gttttttaggt | 1121160 |
| gaaattataa  | ctttactcag  | gcaatgagaa  | aaagataaat  | tgatgttttc  | tttatctgaa  | 1121220 |
| gatgaggtag  | tgatgtctat  | cattaaatca  | cttgctgtgt  | aatgattgta  | tgccgtttga  | 1121280 |
| tctgtccaga  | cttcaaattg  | aaagttagaa  | ctacttagag  | ttgagtatgg  | atatatagca  | 1121340 |
| taataatata  | atttactacc  | gtctgaaggc  | aattctattc  | catttcccat  | aggggtaaat  | 1121400 |
| tttgaatttt  | ctatatattg  | gtagggcata  | ttattagcat  | agttagtata  | gccaaatttg  | 1121460 |
| ccagcagtta  | catttccggt  | atctttcatt  | gcgtacactc  | caatctgata  | accattttca  | 1121520 |
| aattttgtat  | cagaggctct  | tgcaggagcc  | tctgatggga  | aaaatgaaac  | gtaattcttt  | 1121580 |
| ggactttctg  | gcatgtttgc  | atcagttgta  | caagctatga  | gtaaacagca  | agaaagagta  | 1121640 |
| agtgtaaaga  | aaatattccg  | tttcataaaa  | ttttatTTTT  | ttgtactgaa  | tatatcatat  | 1121700 |
| atagcgtttg  | aaggagtga   | tatggatctg  | cttggccatg  | aagtgtttat  | agataaaccg  | 1121760 |
| tcctgatctt  | taaagactct  | gaaaacgcct  | tctttcatta  | actcgttatt  | ggggtcattc  | 1121820 |
| cccttttcta  | ccataatgac  | ggcatattgt  | aaattttgga  | taccacttgt  | tgatttggtt  | 1121880 |
| cctgagataa  | ccaaagccgt  | ttttgtataa  | atgttgagac  | tttctccttc  | tgtattaaaa  | 1121940 |
| aatgcggtaa  | agttgttgcc  | gctaccactg  | ataaaagcac  | cttcaccctt  | agagtcacta  | 1122000 |
| tttctgaaa   | ctgacgtgtg  | ttcgtagtcg  | atagtattgt  | tagctgaatt  | ttgattgctg  | 1122060 |
| agtcggatat  | agatggagta  | aacaagttcg  | ccaggctcat  | aaccacctac  | accttcatct  | 1122120 |
| tcacaatata  | cggtgacaaa  | cggatctacc  | agataagtcc  | cttctacgtt  | aggaggattt  | 1122180 |
| acaccattat  | aaatcgctcat | atatttttcc  | agtttttctc  | ttatgtctgc  | cggaactaca  | 1122240 |
| tcgttgaacc  | tgttatctac  | ttcatcccaa  | ggattaatgt  | cacctacaaa  | ttcgactacc  | 1122300 |
| gccttattat  | cgttgtatga  | tagagtattt  | tctgcttgaa  | cacccgatct  | taactctaag  | 1122360 |
| ttattgttga  | ggcttactga  | atactctgta  | tttccaattt  | gtaaagtagc  | aaatagatca  | 1122420 |
| tctttcaaga  | ttgtttgcgg  | agggagtatt  | actttgaagc  | tattagtccc  | gttgtctgta  | 1122480 |
| cagataacgt  | cgccttgagt  | agaagtgcta  | gtaaaagtca  | ggttatttta  | attggctgtt  | 1122540 |
| gcatttactt  | ttgcattttt  | aatggttaac  | aatctatctc  | cagctggcca  | gttatttctt  | 1122600 |
| atcagggttaa | cgattacttt  | tgacagtcta  | tggtgaaat   | taagtgttac  | aagtgtagac  | 1122660 |
| gatgttgctg  | ctgtatgggc  | tgtacagaga  | tcacttaatg  | tatagttatc  | gccacgctgg  | 1122720 |
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| tggtagaaat  | attcttgtcc  | gtcttcttct  | atttctatac  | cattggatga  | agtgaatttt  | 1122840 |
| gttccatcat  | aagtatactt  | tacattgtcg  | gcatagtttc  | ctcgattggc  | aatcactcct  | 1122900 |
| ttatcgtag   | accactaga   | tgcaactgca  | aatactccaa  | tttgatcata  | ggcatcgaat  | 1122960 |
| tttgtgtctg  | ttgtctctga  | tggtgcatta  | agctgtgctt  | ggaaactaac  | aacattgctg  | 1123020 |
| atttcctcag  | aggtcccgt   | ctcattttct  | gttacttcac  | ttttagtga   | tgaagagaat  | 1123080 |
| gccatacctc  | ctaatagtaa  | tgacataaaa  | taaacattta  | ttttcctcat  | attttttatt  | 1123140 |
| tttgattaat  | atttatttac  | aatataacct  | gaatataatg  | aaagtgtgaa  | atcatgctaa  | 1123200 |
| tctatatcag  | gattaaatgt  | atcaataata  | ttactatgtt  | gtcaaaaaatt | attgataaaa  | 1123260 |
| ggaaaataaa  | gaatatcaat  | acgtttcttt  | tgtggtaaga  | aatttgtgtg  | attagatctt  | 1123320 |
| tatggggaaa  | attctttttg  | gtataaagtc  | tctttgtgga  | atatctattg  | ggaatctatt  | 1123380 |
| gtgaaataat  | ttgcattata  | tatttctactg | agtttctatt  | gttaggtaaa  | aataagtgat  | 1123440 |
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| tatctatatc  | tcgtatcagt  | ttgccgtgct  | ccagaagagc | gatgcgggtg  | ctgatgtcta  | 1123620 |
| tggtgtgatt  | caggttatgg  | ctggatacga  | ggatggctgc | tccggtggac  | tgattgtagg  | 1123680 |
| tcaacagcag  | ttgcttcaag  | gccgactggg  | agctggggtc | gagaaaattg  | aagggctcgt  | 1123740 |
| ccagaattat  | cagcttcgga  | ttattcagca  | aagctgcgag | tatgccgact  | ttctgcttgt  | 1123800 |
| tgccggccga  | aaggttgcca  | atcagttttt  | tctgccccag | aatttctccg  | ttcatgaagc  | 1123860 |
| gttcgtaggt  | tgccagtcgt  | tcgtctactg  | tctggtggtc | gagttggcac  | atgcgcccta  | 1123920 |
| caaagtagaa  | gtattcttcg  | ggagtcaggt  | agtctatcag | aaagcttttcg | tccaggtagg  | 1123980 |
| ctcctgtaac  | ttctttccat  | tgttcgctgt  | ggctgacttc | ggtttcgccg  | atgcagacag  | 1124040 |
| aaccttcac   | ggctttcagc  | aagtcgagca  | tcagtcggaa | cagagtgggt  | tttccggctc  | 1124100 |
| cgttgtttcc  | taccagtcgg  | atgattttctc | cgctatgaat | ggtgtattgt  | tctatgtcga  | 1124160 |
| gggctacttt  | gctgccgtag  | actttcttga  | gttggtttat | tgttatgtcc  | ataatattct  | 1124220 |
| ttttctacat  | taacgtgtgt  | ttctgaatcc  | ttccatgttc | tggtatttcc  | gcttcacacag | 1124280 |
| tcggacataa  | atgttttgta  | tccaataaccg | atgggtgatg | aatcccagca  | agcccagtac  | 1124340 |
| gatgagtgtg  | atgtaagctg  | ttgtttcgtc  | aagaaacagg | gtgagtgttt  | tgttgattag  | 1124400 |
| cagtggaaag  | ccgaaagcac  | atgttataat  | aagcatttga | tacatgttac  | tacctcgctg  | 1124460 |
| tttgccatg   | gcactgggtg  | tgagtggggc  | ggtcttgtcg | ttgtagacag  | ccatttgcac  | 1124520 |
| catcatgagg  | aagatggctc  | ccattgtaaa  | gcacagatag | gatatcgaca  | tgagcagagg  | 1124580 |
| aatggtatcc  | atgcatacgg  | gtatgagaat  | aaacaagaaa | ggaataatca  | gaaaaatgca  | 1124640 |
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| atcgatatag  | ttgccttcga  | atgtcatgat  | acgactcagc | gtcatcagtc  | ccagtataca  | 1124760 |
| gtagcaatac  | agacagatga  | aattgttcat  | gtagctgttg | tcgccgtata  | cgttaccggc  | 1124820 |
| aagagcgatt  | gtaaacatac  | acatgatgaa  | gaagaagccc | cagaactggc  | tgccggggagc | 1124880 |
| tttggtgagg  | agcagcattt  | tcaattccag  | acgcaggtat | tctcctacat  | tgccatagcg  | 1124940 |
| gtcgagaaaa  | ttgtaactgc  | tgatatgctt  | gatcttgacg | tcttctgtcc  | gcgcaagttc  | 1125000 |
| tttgtagatg  | aggtgttgct  | gtacttggtg  | gtttatgtag | ataagcagac  | cgatgagtac  | 1125060 |
| gatgactccg  | aggaaagcca  | gcggattcca  | gagaataaag | ccttctcccc  | agttcatcgt  | 1125120 |
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| gaccggcagc  | aagagataag  | gtttgatttc  | ctgtacagga | gtgggaagca  | tgaagcgat   | 1125480 |
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| cggacttcgc  | cgtgtggcaa  | gtttccggtt  | tttacgtatt | tcgaagaaaa  | gcataattca  | 1125720 |
| tcagggtttg  | agtgttactt  | cgtatcgctt  | gaagtcatgc | ttacttcgat  | gcggttgtct  | 1125780 |
| tgtgagaaga  | aatcttttagc | aaatttctga  | agatcggcgg | atgtaatctg  | atttactgtg  | 1125840 |
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| cagtaaccgt  | tctctttctg  | gttggtctcg  | tagttcttca | acatgtattc  | ttttactttc  | 1125960 |
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| ccgctcatct  | tagcacgctt  | ttcagggttg  | gtatcgaacg | aaatctgaag  | agttgttctt  | 1126080 |
| actttcggat  | acaagctgat  | gtcgcctgat  | actcctacac | cgtaagatgc  | accttcgtct  | 1126140 |
| tcacggacag  | tttcagtata  | ttccatggct  | agcaattgag | aaagcatgct  | catcatcagc  | 1126200 |
| tgattcttca  | aagtgtattc  | acattcaccg  | cttctgatga | tacatacagt  | tgcttcttgt  | 1126260 |
| gtctgcaaat  | ctctatggaa  | cacatttttg  | tgctcaccct | tgccgatgtc  | cagatttaca  | 1126320 |
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| gccttgatac  | gtaatacacg  | tggattatcg | ccatacaatt   | cttttctcaa  | ggtatcgctc  | 1126560 |
| agggaatat   | tggaattgac  | ttccatattg | gcaagctgag   | ctttcagacg  | gttcttgtat  | 1126620 |
| gattcgaatg  | cagtagaatc  | catacgtgga | gcagtaaagc   | tcaggtaggt  | cagctgcaac  | 1126680 |
| atggtttcca  | aatccttagg  | ggaacattta | cctgttacag   | attctgtcag  | ggtattgact  | 1126740 |
| gatgcgccag  | ctgaagctac  | ttttcctgac | aatacttttt   | gcaggctgac  | aacgctgaaa  | 1126800 |
| ttgccc aaac | caccgagacc  | tgcaacgtcg | ttaat tttgtt | tgaactgcaa  | ggcatctttt  | 1126860 |
| tcatacgaaca | gtgaagtacc  | tccacgactg | aaagaagaca   | ttctgatttc  | gtctgccttg  | 1126920 |
| aagttggtag  | atttcatgat  | gacacgtacg | ccgttgttca   | gtgtgaggac  | tgtcgatccg  | 1126980 |
| aacggacctt  | tttctgtc    | gactaccttg | cctcctgtcg   | gagcttcttt  | catcagaggt  | 1127040 |
| tcattggaaa  | ccttgtcgac  | gtatggttcc | agtttttctg   | ctttgacatc  | agccagtatt  | 1127100 |
| ttcttgatat  | cggcttctgt  | aagaagtttt | acttcaggtt   | tgtcagggca  | gaacaggctt  | 1127160 |
| actaccgtat  | tgtgtcgg    | tacgagtgat | tgcagtaatt   | tatttacatt  | gtcgagagga  | 1127220 |
| atattcggt   | caatctgggt  | catgagtgc  | tattcgtctt   | caatgcttgg  | aatagggtcg  | 1127280 |
| ccattgatga  | agtttgatac  | atactggttg | acgaactgat   | tgcttttcat  | tttatcgctg  | 1127340 |
| tcgttgatg   | cgttttcgat  | ggcacgcagg | tagtcggctt   | tcattcgggt  | atattcacct  | 1127400 |
| tctgtaaadc  | cgaactgacg  | tgacgcctct | atttcacgca   | tcaaagcaga  | cagtcctgtt  | 1127460 |
| gcgattccgt  | cgtctttaca  | gatagtaca  | cccatgaagg   | ctttctttgt  | tttggcaaga  | 1127520 |
| acaaagtc    | tgtcttctac  | tccggcattg | ataaatggag   | gagtggcgg   | ctgggtaagc  | 1127580 |
| tcctgaagac  | gggtgttcag  | catgcttgag | atagcgccg    | tcattgtagt  | gtataccaga  | 1127640 |
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| tgattcatct  | gctgttcctt  | gtctttcgca | atagcgataa   | tcggctcttt  | gttgtcggga  | 1127760 |
| actgggaagt  | atttacgttc  | ggctgcgttc | tgcggcac     | tgatagggcc  | aaaaatcttc  | 1127820 |
| ttgatctttg  | cttcgatctg  | gtctacgtcg | atgtcaccta   | caacaataat  | tccctgcaag  | 1127880 |
| tcgggacgat  | accatttttc  | atagtaatcg | cgcaagtcct   | gataagggaa  | gtggtccacg  | 1127940 |
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| agaatcaaca  | gacaagagtc  | gataatacca | tcgcggataa   | caggtagatt  | gtcgatgttg  | 1128180 |
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| gattccagat  | attcacgaag  | tgtattacc  | gggaaattgg   | tcgttccatt  | aaagcacatg  | 1128300 |
| tgttccaaaa  | aatgagccag  | accacgttg  | ttgtcttctt   | caaggataga  | acctactttt  | 1128360 |
| tgggcaatgt  | agaagtcggc  | ttgttttca  | ggcagtgcat   | tgtgacgaat  | gtagtaagtc  | 1128420 |
| agcccattat  | ccagtttacc  | gatacgaaca | ttgggatcgg   | ttgggagagg  | aggcatctgc  | 1128480 |
| tgggcgcaga  | cagaaacagt  | tcctcctatc | aggatgatag   | cagcaaatgt  | ttttttgata  | 1128540 |
| aaacttctca  | taataaaaa   | atgtgttatt | agtttagttc   | tccgattaga  | gtaagccgtt  | 1128600 |
| ggctgaaagg  | tagcgtctctg | cttcgatggc | agccttacaa   | ccgcttccgg  | cagctgta    | 1128660 |
| tgctgacgg   | taatgcgggt  | cggctacatc | gcctgtgca    | aatacaccgg  | gtatacctgt  | 1128720 |
| gcgtggagag  | tcaccttctg  | tcaggatata | acctgtttca   | tcggttttta  | cccatggctt  | 1128780 |
| gaagattgca  | gaattaggct  | ggtgaccgat | agccaggaaa   | aatccgtcga  | tggcaacatc  | 1128840 |
| gtagcgtct   | tcgtctgggt  | caccatac   | ttttacaacg   | tgcattgcctt | caacaccgtc  | 1128900 |
| ggtaccataa  | aggccactg   | cattgtgttc | gaacaatact   | ttgatgtgag  | gatggttcag  | 1128960 |
| tacgcgttcc  | tgcataatct  | ttgatgcacg | taagaacggt   | ttacgtacta  | ccaggatatac | 1129020 |
| ttggcgtgca  | agtccggcca  | gatagatagc | ttcttcgcaa   | gctgtatcgc  | cgcctcctac  | 1129080 |
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| cataccggca  | tatttctttt  | catcttccag | tcctaaatat   | ttggctgtag  | ctccagtaga  | 1129200 |
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| attttcaact  | tcggtagtg   | tggtgagctg | tcctcctggt  | tggattcctt  | cgtaaagaac  | 1129440 |
| aggagaaata  | ttggcacgac  | tagtataaat | ggccgctgtg  | tatccggcag  | gtcctgaacc  | 1129500 |
| gataatcagg  | cactttacat  | gttctgttgt | catattaaat  | ttgaaatttt  | aaattatata  | 1129560 |
| ttcatcttaa  | ttgaacaaag  | atacttcttt | ttttgttcga  | aacggtat    | ttgatagtaa  | 1129620 |
| actaggtttc  | taaaaaacat  | attttataca | aaaagccctg  | tcggatgcca  | tccgacaggg  | 1129680 |
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| tcgcatcgaa  | gcggaaaatg  | gaactactca | gattacgggtg | cgtctggtag  | gaagtgatgt  | 1129800 |
| taaattcctg  | tgtctttccg  | ttggacagct | tgacgccaat  | gtatattggc  | tcataatcgg  | 1129860 |
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| aaatggttac  | ctcttcattc  | tgtgtacat  | aactccattg  | cgtttttccg  | tcgaaccagc  | 1130100 |
| tttttactcc  | ggcgcagtc   | aggtaaaagc | aagagccttt  | caacagaagt  | gtgccctttt  | 1130160 |
| gtgttccgcc  | gaaagtgatt  | gcaatgcctt | ctgctttctg  | ataagctgct  | gcggttttgt  | 1130220 |
| ccagtatagc  | ctgagctttt  | gcgtcttttt | gtgcaaagac  | tgccgataca  | cttgtgataa  | 1130280 |
| gtatcaggag  | agaaaaataa  | aaacgtttca | taatcattgg  | cttattgatt  | ctttaaatta  | 1130340 |
| ctcatgcgca  | tttccaaatc  | attttcgtcc | atgcaaagta  | cgtcgcgtgc  | tttgcttccg  | 1130400 |
| ttggcaggac  | ctacaatacc  | ggcacgtcc  | agctggtcca  | taatgcgtcc  | ggcgcgggta  | 1130460 |
| taaccgatgg  | agaatttacg  | ctgaataagc | gaagtgaac   | cttgctgatg  | gtaaatagacc | 1130520 |
| agtcgtgccg  | cttcttcgaa  | caagggatct | agacgattca  | tatcgacatc  | tgccgcatta  | 1130580 |
| ctgctttctg  | cattttcatc  | tacatattca | ggtagtaaga  | aggctgttgg  | atagccttgc  | 1130640 |
| tggcgactga  | tgtatgctgc  | tatcttttct | acttccgggtg | tatcgacaaa  | cgcacattgt  | 1130700 |
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| gctcccggac  | ggtcgagaat  | ggtacgagag | tccatcatgg  | atgctacgcg  | gaaagcaaca  | 1130820 |
| cgagccggga  | agttagcttt  | gattgttccg | gtaatgatgt  | tggctgctcg  | acgctgagta  | 1130880 |
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| tatggcatga  | agcgggtgtc  | gttttccgga | ttcagctgtc  | ggttgatgaa  | tttggcattg  | 1131060 |
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| acacacagcg  | aattgagggt  | ctggacaact | ttcgatacat  | cggtaatgat  | tgcacggat   | 1131180 |
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| ttctttgggt  | cgatgatgac  | aaacttcagt | tcactaggat  | gcttcttgta  | aagcagtga   | 1131300 |
| gtaacaatgg  | cattcagacc  | aaccgattta | ccttgtccgg  | ttgcaccagc  | taccaacatg  | 1131360 |
| tgagggtgctt | ttgtcaagtc  | taccatgaac | acttcgttgg  | tgatagtttt  | tcctaaagca  | 1131420 |
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| acgatgcgtg  | gattggcatt  | cggaacctcg | ataccaattg  | ttcctttacc  | gggtatcggg  | 1131540 |
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| attttcgaga  | tacgtactcc  | ttcggccgga | gttatctcat  | agagggtaat  | ggcgggtccc  | 1131660 |
| acactcgcct  | tgatggagct  | gatttcgatg | ccaaaactgc  | gtaagacctg  | aatgatgcgg  | 1131720 |
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| ttgatattgc  | cacggtattc  | ttcgtcttct | tctttgtgct  | cattgcttat  | ttcgaaagct  | 1131900 |
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| cctattgttt | ctttagttaa | aaaaatggca  | ataagtatac  | ctgttaccac  | caggacgaga  | 1132320 |
| atcagccctg | gtgctcctat | ctgtgagcaa  | atccattggc  | tggcattgta  | accgtgtaat  | 1132380 |
| cctcccggat | aaaggaatga | attttcgaat  | gtcctccaa   | aggcaaacc   | caaggttact  | 1132440 |
| gaaaaccaa  | ccatcagagc | tgtacaggaa  | acgaaccatt  | tccataactt  | gaattcgtat  | 1132500 |
| gctttcatga | gtttcatgcc | ggctaccacc  | agaaaaacaa  | tgatgaagta  | ggccggaata  | 1132560 |
| ccgaagcaat | cgtttatcag | gaactgagat  | aattgggctc  | ctcgtgctcc  | ggcataattc  | 1132620 |
| tgtatgcggt | tgctgttttc | cagtaattct  | cctgggtcag  | gggtgtgaaag | aatacttttg  | 1132680 |
| tcgtttccac | cggtaaagaa | gaaagaactg  | aatgctagta  | gcatgtatac  | gccaaatatg  | 1132740 |
| acgcatagca | ggccgataat | gaaatggatg  | gtttcgccct  | taatggctgt  | tactactttg  | 1132800 |
| tcgggtatac | ccaatttccc | ttcattgggc  | ttgttatctg  | tttttttctt  | catgattctt  | 1132860 |
| gtacgatatt | tcaaatttga | acgcaaagt   | acgaatattt  | ttgaaccctg  | cagttgcctc  | 1132920 |
| tgtttataat | aaattgtgga | gatttatttt  | ttttcgtacc  | tttgtcgcga  | aattcaattg  | 1132980 |
| attatggaaa | agagtcaaac | cccgattata  | tttgataaaa  | ataccgtaga  | atttgtaact  | 1133040 |
| gttgctgctg | agttttgtgg | tttcttgga   | cgagctacag  | aaatgaagcg  | acgtaaattc  | 1133100 |
| attgatacgg | cgcttaagtt | gctgcctctg  | ctttatttaa  | aggcttctct  | gctgcccga   | 1133160 |
| gcggaacgta | tcgatgagtt | cgatcctgaa  | acctttgtta  | cagaaggaga  | ttatgaacgt  | 1133220 |
| attcgggcca | gtgtagctgc | actgatgggt  | agtaaggatg  | attatctgga  | tgtattttta  | 1133280 |
| gatgacatgg | cttacagtga | tactccgatc  | aagcagaata  | tatccgaaaa  | tctggcagat  | 1133340 |
| atztatcagc | cattgaaaga | ttttatctgt  | gtgtatcaac  | tgggatttga  | ccagacgatg  | 1133400 |
| aatgatgctt | tggtaatctg | ccgtgaacat  | ttcgcggaat  | tctggggaca  | acggctgggtg | 1133460 |
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| gacgaagagg | atacttcttc | tccatttgaa  | gcggatgctg  | gttatagtga  | ggatgattta  | 1133580 |
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| tgaggaagaa | taaatccatg | gttgatttat  | ataataagat  | atcaaagcaa  | agtgtgtccg  | 1133700 |
| aattgcctaa | ggtgagtttt | gagggacgga  | tttttgttgt  | taatacggaa  | tcggatgctc  | 1133760 |
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| tcggtataga | ggaaaagagt | ttacagaaaa  | tatacgcat   | gttggttcgga | aagaaaattt  | 1134120 |
| cgaagtcaca | acgcttgtcg | aactgggaag  | ccgaggtgtt  | gacagaagca  | cagcaagctt  | 1134180 |
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| aagtattgct | gtgcgtgttt | tgtcattcgt  | acaggaaaca  | atcgatcatg  | ctttctgggt  | 1134540 |
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| gaacaatact | tatcgtctgg | ttcatggtga  | aggtgataat  | ttgccggggc  | tgatcatcga  | 1134660 |
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| tgaggatgcg  | tttaagtttc  | tcgatcggat  | ggcgaccag  | tatgatctta  | ttattcttga  | 1135200 |
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| atataaaaatt | agccaactaa  | ttcatacaca  | aagtgttgcg | aattagctgg  | cttttttgta  | 1135620 |
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| cgggtgttcc  | gtttgagcgt  | atggcaaaaag | ccttgggcct | gttggaacag  | cgactgggac  | 1135860 |
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| gcaatgagat  | ggcatcccgt  | cttgacattg  | aatccctcca | ggaagtgctg  | gcctcacact  | 1136100 |
| ggaaacctta  | tcttgagaac  | cttcacgtgt  | gcatgaccga | tgctacatgc  | tatgaaagcc  | 1136160 |
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| tttcatatgc  | catcttattt  | tggggacatt  | tactgaatat | ccctaccgga  | tacgtatccg  | 1137240 |
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| caattgtgtg  | aatatctgta  | ttcagtggga  | gacatgccca | ttattttctt  | aaatatcaga  | 1137360 |
| ctaaagtatt  | gtacattggg  | atagcccagt  | tgctgagcaa | tgaaagaagg  | ggaatcctta  | 1137420 |
| cctttcaaca  | gcattttctt  | tgccgctttc  | aagcgtttga | gctgaaaata  | ttcttggaat  | 1137480 |
| gtattgcctt  | tttcaaattt  | tagcagggtca | ttgaaataag | ctgtggacag  | acctaacatt  | 1137540 |
| tctgcgcaga  | atgtaggggt  | ggggaatagt  | ccgttttgta | atttcccggg  | ttcgatatat  | 1137600 |
| tgattgagaa  | tgctttccat  | ttcttcaaga  | atagtcctgt | ttttattttc  | cctagtaata  | 1137660 |
| aactgacgtt  | cgtaataaccg | ggtacagtag  | tcaagcaata | actctatgta  | gcgtgataat  | 1137720 |
| attgtactgc  | tatgggtatc  | aataggatgc  | tgtaatctgt | cttctatatt  | ttcgaaacag  | 1137780 |
| catgttattt  | gggctgtttc  | tcgttgtgag  | agatgcaagg | cttcttcttt  | gcggtaggag  | 1137840 |
| aaaaagggtat | agttcttaatt | atggtttttc  | agcgaagtct | ggaaaagcag  | gtcggggtga  | 1137900 |

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| aatgcaagaa  | ggtacccttt  | attgggtagc  | gtattgtttt  | cactcatttg  | gaagatctct  | 1137960 |
| ccaggagtaa  | gaaaaacat   | agtcgcattg  | gaataatcgt  | aatactttcg  | tccacaacag  | 1138020 |
| cagcagttat  | ttgggcattc  | ttctattagg  | aggactgcat  | aaaactcaaa  | ttttatagtg  | 1138080 |
| tcttgctctg  | gcctcgaatc  | agcgagggtg  | ataatgctga  | cttgaggatg  | tagtgttttg  | 1138140 |
| catcccagac  | acctgttgca  | ctcgtaaaca  | gttttgaagt  | ctaacatagt  | tgtttcttat  | 1138200 |
| cgtttgctga  | tttatgcatg  | catgctatct  | tgtaccgat   | attcattagg  | ggtgcatcca  | 1138260 |
| acttttttct  | taaagaggcg  | gcacaagtgt  | tgtggatatt  | gaaatcccag  | tgagtatgca  | 1138320 |
| at ttggctta | cgggtatttc  | tgtccctgca  | attcggttct  | tggccagttc  | gataagtttt  | 1138380 |
| tcctgaatat  | attcctgggg  | actttttcct  | gtctcttttt  | tcagcatgtc  | gccgaaataa  | 1138440 |
| ttggggagaaa | aacagagcct  | gtctgcaaaa  | tatttcacag  | taggcagtc   | gttttgttca  | 1138500 |
| gcaagtgact  | cttcaaaaata | tctgttgagg  | agattttcga  | agcgcgtcag  | cacatcactg  | 1138560 |
| ttgattttac  | ttctgggtgat | gaattgcctt  | tcgtagaatc  | tcatgcagta  | gttttagtaga | 1138620 |
| agttcgatat  | gattgacaag  | caatgttctg  | ctatgtttgt  | cgataccatg  | ttccagttct  | 1138680 |
| ttttggatta  | ttttcaaaga  | atcttctata  | atacatcttt  | cttcaggaga  | aagatgcaag  | 1138740 |
| gcttcgttta  | cttcatacga  | aaagaaagta  | tattttttga  | tgtttttccc  | aagtgatgtt  | 1138800 |
| cctctaagga  | ggtctgggtg  | gaaaagaatg  | ccgagtacat  | ttagttgtgt  | acggtctgta  | 1138860 |
| ttcaatgtcg  | tttctgtggt  | ctggccagga  | gcaaagcaaa  | cgacggttcc  | ttcttgatag  | 1138920 |
| tcgtaagttt  | gtcgtccgta  | tttaatgtca  | catacctttt  | ctagtttcag  | atagagggca  | 1138980 |
| taaataccat  | agtccaacg   | ggtataggtc  | at tttaacgg | tcgctttgtt  | taagtcgatg  | 1139040 |
| acacttatga  | gtggatttaa  | tgtttcaagt  | ccatacaatt  | ggttatataa  | gtctacgctg  | 1139100 |
| tctaaatgaa  | gtattttgtc  | cataagccga  | ttttatttat  | tacaaagata  | gaacgaatcc  | 1139160 |
| cagatatcat  | tactaccctg  | attacagata  | atttaaccga  | tgttactgat  | tctcatgcct  | 1139220 |
| ggtgaagggc  | gcttgaagtg  | agtatattat  | gattccgtaa  | ttgggggttat | aacatccgta  | 1139280 |
| at ttatctac | agaacagttc  | tccttttctt  | tagaaatttg  | cattgtcgat  | agtatatatt  | 1139340 |
| ctaaggatag  | gattgagaag  | taccagaaca  | aataagaagt  | tattatgaga  | aaagaaaaat  | 1139400 |
| tagttattac  | at tttaatt  | tcgttgatta  | tgaatacact  | ttatgcacag  | gagaatgaaa  | 1139460 |
| aaacttttcc  | cccaagcgat  | aaagtaacgg  | tggaaagtgt  | tcgttttaag  | aatcgtttcg  | 1139520 |
| gcattacttt  | agctgccgat  | ttgtataagc  | ctaaatgggc  | tgaagggaaa  | cttccggcaa  | 1139580 |
| tagctgtcgg  | tgggtccgtt  | ggtgccgtaa  | aagagcagtc  | ctccggtctt  | tatgcgcaga  | 1139640 |
| cgatggccga  | acggggattt  | ctggctattg  | ctttcgatcc  | ttcttatata  | ggagaaagta  | 1139700 |
| gtgggtgaacc | gcgatatgtg  | gcttctccag  | atattaatac  | agaagatttt  | tccgctgccg  | 1139760 |
| tcgatttcct  | ttctatccgt  | gaagatgttg  | atccggaact  | gattgggtatt | ataggaattt  | 1139820 |
| gcggatgggg  | tggaaatggca | ctgaatgctg  | ctgctatcga  | taccggtatc  | aaggcgactg  | 1139880 |
| taacggtaac  | catgatgat   | atgagccggg  | tgaatgctaa  | tggttatttt  | gatgcaatgg  | 1139940 |
| atgagaatgc  | acgttatgag  | ttgcgtaaga  | aattgaatgc  | gcaacgtact  | atcgatgcac  | 1140000 |
| gaaacggctc  | gtatgcactt  | gctggcgggtg | tagttgatcc  | attgccggtt  | gatgctcctc  | 1140060 |
| agttcgtgaa  | ggattattat  | gattattaca  | agacaaaacg  | gggatatacac | aaacgttctc  | 1140120 |
| tcaactcgaa  | cggcgggtgg  | aatgtcactt  | cggcactttc  | gtttataaat  | actcctttac  | 1140180 |
| tgacttatag  | tagtgagatt  | cgtagtgcgg  | tattgatgat  | tcacggagaa  | aaggcgcat   | 1140240 |
| caagatattt  | tagtgaggat  | gctttcaaaa  | aattaaaagg  | cgataacaag  | gagttgatga  | 1140300 |
| ttattcctgg  | agcaagtcac  | gtcgatttgt  | atgataatca  | ggcaggagtt  | attccttatg  | 1140360 |
| ataagattga  | gcagtttttt  | caccagtatt  | taaagtgata  | ttcagtatat  | ttgaattgat  | 1140420 |
| agagaaccgc  | ttatgatgga  | ggaacgggtga | gccagatggt  | atatttgcca  | tagttaaatg  | 1140480 |
| ctggtacaat  | gtatggcgaa  | gaaggagagg  | actttatgcg  | ttggaatatt  | gcttgttccc  | 1140540 |
| aaacgttgtt  | gaaggtaggt  | ttagagaaat  | tctgtaattt  | cgttcataat  | taccttcttt  | 1140600 |
| aaacagaagc  | agggcagacg  | gatatttttt  | cagtatcaag  | gataaacgtt  | ttacatcatc  | 1140660 |
| ttgccgtctg  | ttcctgcttt  | atttctttac  | ctgaatgcag  | ggaatatcat  | gagttctgtt  | 1140720 |
| tatat ttgcy | taataactaa  | ttaaaatcag  | atcttatgaa  | tatacagact  | atacttgtga  | 1140780 |



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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| atctcaaaat  | agaacagttg  | aatgccatgc | agcaagcagc  | tatcgatgct  | tatcgtgaag  | 1140840 |
| gaagtgcact  | gattctttta  | tcacctacag | gttccggtaa  | gaccttggct  | tattttattac | 1140900 |
| ctctcgtaac  | ctctttgaaa  | cctggagtag | agggcgtaca  | agctgttata  | ttggtttcctt | 1140960 |
| cccgtgaatt  | ggcgttgca   | atagagcaag | tatttaagtc  | gatgaatacc  | ggattttacca | 1141020 |
| ttatgagctg  | ttatggagga  | cgacctgcca | tggaggaaca  | tcgtaccatg  | aagggcattc  | 1141080 |
| gtccgtcggg  | aatagttgga  | actccggggc | gaatgaatga  | tcaccttgaa  | aagcagaatt  | 1141140 |
| ttgatgcttc  | tgttgtaagt  | ttgctgggta | tcgatgagtt  | cgataaatgt  | ctggaatttg  | 1141200 |
| gctttcagga  | agaaatggca  | gatgttataa | gtaaattgcc  | gaagttgcgt  | cgtcgggttc  | 1141260 |
| tgctttcggc  | tacggatgct  | gaagaaatac | ctcgttttac  | agggctgaat  | cgtaccgtta  | 1141320 |
| agttgaattt  | cctgaatccg  | gatggaggag | tttccgaacg  | tttacatttg  | tataaagtca  | 1141380 |
| tggccccgat  | aaaggataag  | ttggaaactc | tttatcgttt  | gctatgttgt  | ttgggcaatc  | 1141440 |
| agtctacatt  | ggcttctctg  | aatcatcggg | aaagtgttga  | ccgagtaggc  | aattattttgc | 1141500 |
| attcgatgaa  | ggcttattgt  | gaaacattcc | atggaggaat  | ggagcaagac  | gatcgcgaa   | 1141560 |
| gggcgttata  | caaattccga  | aacggtagtt | gccatatttt  | catttcaacc  | gatctggcgg  | 1141620 |
| ctcgtggact  | ggatattcca  | gatataaaga | atgtcgttca  | ttatcacctt  | cctgtagcag  | 1141680 |
| aagatgggtt  | tgttcacgt   | aacggacgta | cggctcgttg  | ggatgcagat  | ggaagtgcct  | 1141740 |
| atattatttt  | gcatcccga   | gaacagcttc | ctccttatat  | taaagaaaat  | ccagaagagt  | 1141800 |
| atattcttcc  | agcagttact  | cctaaaccgg | ctttaccgga  | ttttgttacc  | ttatatatag  | 1141860 |
| gtaaaggcaa  | aaaagataaa  | atcaataaga | ttgatattgt  | aggttttttg  | tctaagaaag  | 1141920 |
| gaaatctggg  | taaggaagac  | attggtcgtg | tggatgtgaa  | agatcattat  | gcttttgcgg  | 1141980 |
| cagttacccg  | cttaaaatat  | aaacaagtgt | taaaacttat  | acaaaatgaa  | aagattaagg  | 1142040 |
| gggtaaaagc  | tttgatagaa  | ctggctaaat | gataactttg  | tgtcagtgt   | acttatctct  | 1142100 |
| atatgaaaaa  | atctcaaaat  | gctatgactg | tcaggagcgt  | agaggggtcat | agtatttact  | 1142160 |
| ttatgtgtca  | atctgtaaat  | gaaatactat | tgttttggtg  | taattttgtt  | tgaataaacc  | 1142220 |
| tttgttgcta  | taaaaaatatt | acgaaaactt | ttggaagtct  | aaaaataatc  | gctatatattc | 1142280 |
| caaagtgaag  | aacgaacaaa  | tgtaaacca  | aaacaaactt  | ccaaatgaaa  | aaacataatt  | 1142340 |
| tcaatgcggg  | accttctata  | ctgcctcgg  | aagtgatcga  | aaaaacagct  | caggctattc  | 1142400 |
| ttgactacaa  | tgggttcggga | ctttcgttga | tggaaatcag  | tcaccgcgct  | aaagactttc  | 1142460 |
| agccggtagt  | ggacgaggct  | gttgccctgt | ttaaagaact  | tctgaatatt  | ccggaagggg  | 1142520 |
| attcggtact  | tttcttgggt  | ggaggagcaa | gcatggagtt  | ctgtatgggt  | ccctataatt  | 1142580 |
| ttcttgaaaa  | gaaagctgca  | tatctcaata | ccggtacatg  | ggctaagaaa  | gctttgaaag  | 1142640 |
| aagcaaaggc  | tttcggcgaa  | actgttgaag | tggcttcgtc  | cgaaaaagac  | ggatatacat  | 1142700 |
| atattccaaa  | ggattatacc  | gtacctgctg | atgcagatta  | tttccatatt  | acaaccaata  | 1142760 |
| ataccattta  | tgaaccgaa   | cttcacgccc | atccggatgt  | cagtgttccg  | atggtagcag  | 1142820 |
| atatgtcatc  | tgatataatt  | tctcgtccgg | tagatgtttc  | gaagtatatc  | tgtattttatg | 1142880 |
| gtggcgcgca  | gaagaatctg  | gctccggcag | gtgtaacgtt  | cgttatttga  | aagaacgatg  | 1142940 |
| cattgggttaa | ggtttctcgc  | tatatcccta | ccatgctgaa  | ttatcagact  | catgtagaca  | 1143000 |
| aagggttctat | gttcaatact  | cctcctgttg | ttcctatcta  | tgcagctttg  | caaacattgc  | 1143060 |
| gctgggtgaa  | agcccagggc  | ggagtgaag  | aaatgcaacg  | tcgtgctaaa  | cagcgtgccg  | 1143120 |
| atatgttgta  | tgcggaaatc  | gatcgtaata | aactgttccg  | tggtagcgtt  | actgctaagg  | 1143180 |
| aagaccgctc  | gtatatgaac  | atctgtttcg | tgatggcaga  | cgaatataaa  | gatctggaag  | 1143240 |
| cagacttctt  | gaagtttgca  | accgaaaagg | gtatggtagg  | tattaaggga  | catcgttctg  | 1143300 |
| ttgggtggatt | ccgtgcctct  | tgttataatg | cgttgccctat | cgaaagcgtt  | caggcattga  | 1143360 |
| ttgactgcat  | gcagggaattt | gaaaaaatgc | attaataaat  | agttgtatat  | acgaaagcac  | 1143420 |
| acagacctgc  | acggataaag  | ggtgtgcagg | gctgtgtgct  | atttttattg  | tattaaatct  | 1143480 |
| gatagttatg  | aaagttttag  | tagcaacaga | aaaaccgttt  | gcaaaaattg  | ctgtcgacgg  | 1143540 |
| tattcgcaag  | gaaatcgagg  | ctgctgggta | tgaactggct  | ttgcttgaaa  | aatatacaga  | 1143600 |
| aaaggctcag  | ctgcttgagg  | ctgttaaaga | tgcaatgct   | attatcattc  | gtagtgatat  | 1143660 |

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|            |             |             |             |            |             |         |
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| cggttatgat | aatgttgatc  | tggaagctgc  | tacagctcat  | ggcgtttgcg | taatgaatac  | 1143780 |
| accggggcag | aactctaata  | cagtagcaga  | gctggctttt  | ggactgatga | ttatggctgt  | 1143840 |
| acgtaacttc | tacgatggta  | aatcgggaac  | agaattgatg  | ggcaaaaagt | taggtataca  | 1143900 |
| tgcttatggc | aatgtaggac  | gcaacgtggc  | ccgtatcgct  | aaaggcattg | gcatggaaat  | 1143960 |
| ctatgcttat | gatgcgtatt  | gtccgaaaga  | agtgatggta  | gccgatggca | tcaagccagt  | 1144020 |
| ggattctgct | gaagagttgt  | atgctacttg  | taatgtggtc  | tctctgcata | ttccagctac  | 1144080 |
| tcccgaaca  | aaaaattcta  | tcaattacga  | tttggtaaac  | cgtatgccga | aaaatggtct  | 1144140 |
| gcttgtgaat | accgcccgtg  | aggaggtaat  | caatgaagct  | gacttgcttc | gtctgatgaa  | 1144200 |
| tgaccgtgca | gacttaaaat  | atgttaccga  | tattatgccg  | gttcatcatg | ctgaattttgc | 1144260 |
| agaacatttt | ccgggacgct  | atttctcaac  | cccaaagaaa  | atgggcgctc | agacagccga  | 1144320 |
| agcgaatatc | aatgccggta  | ttgcagctgc  | gcgccagata  | gtgggcttct | tgagggatgg  | 1144380 |
| atgcgagaaa | ttccgtgtaa  | ataaaaaata  | actcctatct  | tacgcataaa | tgaactgac   | 1144440 |
| gagtgcgaa  | cggcattcgc  | tgattccgtt  | gggaatgggc  | agttctttgc | tgctggtaaa  | 1144500 |
| tgctttgtgc | aggtcgtttt  | tggatgattt  | ctggcaaggg  | tttctgtgcg | gtatggcact  | 1144560 |
| ggtatgtttc | ctttatgcat  | ttcggacgtt  | agtattgttt  | ttcaaacgaa | atttcgggaa  | 1144620 |
| ttatggcaat | agttaaacca  | tttaaaggga  | ttcgtccacc  | gaaagaactg | gtggaacagg  | 1144680 |
| tagcttctcg | cccttacgac  | gtattgaatt  | ctgctgaggc  | tcgtgaagag | gcgaaaggca  | 1144740 |
| acgagaaatc | gttatatcat  | atcatcaagc  | cggaaattga  | ttttccggaa | ggtacggacg  | 1144800 |
| aacatgatcc | gcgtgtgtat  | gacaaggcag  | tagagaattt  | tgagatgttc | cagaaaaagg  | 1144860 |
| gatggctggt | acaggacgaa  | aagccttggt  | attacattta  | tgctcagacc | atgaacggca  | 1144920 |
| agacgcagta | tggctctggtg | gtaggagcgt  | acgtacctga  | ctacatgaac | ggagtcatca  | 1144980 |
| aaaagcatga | gctgacacgc  | cgtgacaagg  | aagaggaccg  | tatgaagcat | gttcgtgtaa  | 1145040 |
| ataatgcaaa | tatcgagccg  | gtatttttctg | cttatccgga  | aagtaaggct | ttggatgcta  | 1145100 |
| ttgttgcgaa | atataccgca  | caaaagcctg  | tgtacgattt  | tgtagctccg | gatgatggct  | 1145160 |
| ttggacatca | gttttggtgt  | attgatgatg  | atacggacat  | tgaagctgta | acggaagcct  | 1145220 |
| tcaaggagat | gccttcgctt  | tattattgcg  | atggctcatca | tcgcagtgcg | gctgcggcat  | 1145280 |
| tggtagggtc | tgaaggga    | gctcagaatc  | cgaatcatcg  | gggagatgaa | gagtataact  | 1145340 |
| actttatggc | agtgtgtttc  | ccggctgaac  | aattgaccat  | catcgactat | aatcgtgtgg  | 1145400 |
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| ttgtagagga | aaaaggagcg  | gatattttata | aaccagctgc  | cttgcataac | ttttctcttt  | 1145520 |
| atctggatgg | caaatggtac  | agtctgacgg  | ctaagccggg  | tacgtatgat | gataatgatc  | 1145580 |
| ctataggggt | actggatgtg  | acgatttctt  | caaatctgat  | attagatgag | attctcggca  | 1145640 |
| tcaaagattt | gcgttcggac  | aaacgtatcg  | attttgtggg  | tggaatccgt | ggactgaatg  | 1145700 |
| aattgaagaa | acgggtagac  | agcggagaga  | tgaagatggc  | actggctctt | tatccagttt  | 1145760 |
| ccatgaaaca | gttgatggat  | attgccgata  | cgggtaatat  | tatgcctccg | aaaacaacct  | 1145820 |
| ggtttgagcc | gaagttgcgt  | tcgggattag  | ttattcataa  | gttgaaatga | tacttataaa  | 1145880 |
| atagttatat | tagattccta  | ttcttatttg  | ttgtaagatt  | ttctcttcaa | gccatatatt  | 1145940 |
| aacgccactg | gtgggtggat  | gaaataatat  | agaaatatgg  | ttcgtatgtc | ggatttgaag  | 1146000 |
| atctcttttc | cggcagtagt  | gaatctgata  | tagtaggagg  | tcaggagatt | ttagcgaaaa  | 1146060 |
| tgctctgacc | tttttctatg  | gtgagagaat  | ctttttgctc  | aatattatgt | acttttgcac  | 1146120 |
| tggcgctccg | gaacgatgga  | tatctaaggc  | tgaacacgct  | ttaatctttc | tattggcctt  | 1146180 |
| gccactttta | taaatcaagt  | gaaggctgcc  | ttaattgata  | tacttttggt | tttggagaaa  | 1146240 |
| cgttttgcct | ctgggtatgc  | gtattgctga  | ataaatgaat  | atttcaaacc | agataaaaatc | 1146300 |
| gaattgtttt | ggaagataca  | tataaaacta  | tcgaaggcca  | gtcggaagct | atttataaccg | 1146360 |
| agaaacgcag | taagtttata  | gccatagcta  | taccctgtcg  | tacgctgacg | gaagtgaag   | 1146420 |
| ctcatctgga | agaatatcag  | aaaaaatact  | acgatgcgcg  | ccatgtatgt | tatgcctata  | 1146480 |
| tgttgggagc | agagcggaaa  | gagttccgtg  | ccaacgacaa  | tggggaacct | tcgggtactg  | 1146540 |

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|             |             |             |            |            |             |         |
|-------------|-------------|-------------|------------|------------|-------------|---------|
| ctggcaaacc  | gattctcggg  | caaatacaatt | cgaatgaact | gacggacatc | ctgatcattg  | 1146600 |
| ttgtacgcta  | tttcggagga  | attaagttgg  | gtacgagcgg | gctgattggt | gcataccgta  | 1146660 |
| cagcagcggc  | acaggctatt  | gccgaagcaa  | caatcataga | aaagacggta | gatcaggatg  | 1146720 |
| taaagatcgt  | atttgaatat  | ccctttatga  | acgatgtgat | gcgtatcgtg | aaagaagagg  | 1146780 |
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| tttgctttcg  | aaataaaaag  | cagatgtata  | gtgaataaaa | agaattttaa | gaaacgatgt  | 1147020 |
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| tacgatattat | cgaagaggtt  | acaagtaaaa  | gtcgttgccg | atttcgggca | gtcaaagaat  | 1147260 |
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| gcgaatgggtg | aaggttataa  | gcagggtgcag | gtaaaagatg | gactgcagta | tgggtgccggc | 1147560 |
| ctgacactga  | ccccgataaa  | aaatctgttt  | atccgtttat | atggttcttt | caacgaagct  | 1147620 |
| accgaaaaaa  | cagataaggg  | cattacgaat  | ctggcttctt | tcataggctt | caaaaataaa  | 1147680 |
| tctttttcac  | tagctgcgga  | atataactat  | cagacaaata | cgaataacac | tgatggacac  | 1147740 |
| gatcagagcg  | gtgtttctac  | atatgcgaca  | atcaatttga | ataagaaggt | aggaattttc  | 1147800 |
| gggcgctggg  | attacctgac  | atcgaaagat  | aaatggaatg | aagaaggcga | tggaatggct  | 1147860 |
| ggattggctg  | gcgcggaatt  | ccggattgga  | aaatacatca | aactggctcc | aaacttccgg  | 1147920 |
| atatggctgc  | cgaatcagg   | aagtacacct  | aattcctatt | atgcttatct | gaatgcatcc  | 1147980 |
| ttctcactat  | aaggtaaata  | tagagaaaat  | ccaatataga | aaaatcaatt | tattaaatta  | 1148040 |
| ataaacaatg  | aaaaaaaaatt | atttgtcttt  | ggtcgcaggt | ataatggcct | tggccgttac  | 1148100 |
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| attcccattg  | cctttctata  | acatgagctt  | tgagggatat | agtgcacac  | acaacaacac  | 1148220 |
| agtttcttac  | ggtggtatcg  | gtagtgggtg  | cgggtgtacg | aacctgaaag | atgggtattgt | 1148280 |
| cgactttgcc  | ggaagtgatg  | ctttcttaag  | cgataaggaa | atgtcagaaa | tggatccggt  | 1148340 |
| tgttcataat  | ccgacctgca  | tgggtgcggt  | tgtgctggct | tataatttgc | cggatgtcgt  | 1148400 |
| aaaactgaac  | ctttcgggtg  | atgtgatagc  | agacatctat | gccggaaaaa | ttacagactg  | 1148460 |
| gaacgatgcc  | cgtttgagg   | aactgaatcc  | ggatgtaaaa | ttgccggcta | agaaaatcat  | 1148520 |
| tctagcctat  | cgttcagacg  | gtagtggtag  | aacttttgtc | ttcaccgatt | atctttctaa  | 1148580 |
| ggtaagtga   | aactggaaaa  | acacttacgg  | ttcaggaaaa | acagtcgatt | tccctgtagg  | 1148640 |
| acaagctgcc  | aaaggtaatc  | cgggagtagc  | cggtatcatt | gctcagactc | cgtattcttt  | 1148700 |
| gggatataat  | ggttctgaat  | atgcttttgc  | ccagaagatt | ccttatgctg | ctgtaaagaa  | 1148760 |
| ccagcgtggg  | gaactgatta  | ctccgtctac  | cgaaggtatt | tccggtgctg | ccggtgatat  | 1148820 |
| tcctcaggat  | acccgttgct  | ctattacgaa  | tgccgatgca | gccggagctt | accctatcag  | 1148880 |
| ttgtttcact  | tggttgctga  | tctataagga  | gcagaattat | tcaaaccggt | cggaggtcca  | 1148940 |
| ggcaaaaagca | acattggatt  | tgatgcagta  | tatgttgagc | gacagcgtac | agcagacaac  | 1149000 |
| tgtaccgta   | cattatgctc  | cgctgcctaa  | aaaggctgta | gaacagagtc | tggctaattc  | 1149060 |
| gaagaccgtg  | acttatcagg  | gtcagcctat  | tttgaagtaa | taagtaatca | ttgcaaagct  | 1149120 |
| gatgttttat  | gcaagacaaa  | atttttaaa   | ttttacttat | tctgtcggct | attgttattc  | 1149180 |
| ctgtcattgg  | tgggggaatt  | gtatattccc  | tactgtcgga | tgcttctgga | gcgtttgaac  | 1149240 |
| attttgggtt  | ctggaacttt  | atcttttcag  | acgattgggt | aacgacggca | ggaaaagaaa  | 1149300 |
| gttacggtgc  | gcttccgttc  | attaccggaa  | cattactgac | taccattctt | gctttattga  | 1149360 |
| tgtgtatccc  | gttttctttg  | ccggtcgcac  | tgtttactgg | tgagtatttc | cgcggaagaa  | 1149420 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| aaattgcagc  | catactgggt | actgttaccg  | acttgctggc  | gggtattcct | tctatcatct  | 1149480 |
| atggtttgtg  | gggattctat | gtattgcgta  | atgtcttcat  | gcacctgaat | ctctctccgc  | 1149540 |
| aagggttcggg | aatcttgacc | gcagcttttg  | tgcttgccat  | tatgattgta | ccttatgctg  | 1149600 |
| cttccttgag  | ttcggaaatt | atcaagatgg  | ttccttccga  | tttgaaagaa | ggagcctatg  | 1149660 |
| ccatgggagc  | taccggggcg | gaagttattc  | gtcgagttgt  | tttcccgatg | gctggatcgg  | 1149720 |
| gtatcttttc  | cgcttatatt | ctggctatcg  | gacgtgcctt  | gggtgaaacc | atgactgtta  | 1149780 |
| ccatgctgat  | tggaaataca | aaccagatgc  | ccgatacttt  | gcgtacaaca | ggaaatacga  | 1149840 |
| tggccagtat  | catagccaat | cagttcggag  | aagccgacgg  | tctgaaactt | tcatccctga  | 1149900 |
| ttgccatcgg  | attgttgttg | tttctcataa  | cagccgttat  | caatatgatt | ggaaagattt  | 1149960 |
| tgatacgtaa  | ggcaagacat | gtataatcta  | taaacagaat  | ttgtataaat | ggtacgtgat  | 1150020 |
| aataacattc  | gaatccgtat | attcaaaaat  | cggttgcttt  | atattctggg | ctgtgtactt  | 1150080 |
| tcgggactta  | cggcaattcc | tttgctggct  | attctgggag  | aagtactcgt | aaaaggatgg  | 1150140 |
| aaacaattag  | gctggtcctt | cataaccgaa  | gcgactccga  | atgcgtacaa | ggcgatgcag  | 1150200 |
| gctgtttcgg  | ccggacagga | tatccccgga  | ggtattgcca  | acggtattat | aggtactttc  | 1150260 |
| ctgatgctgt  | tactggctgc | ggtggttgct  | attccgatag  | gtgtattttg | tggtatctgt  | 1150320 |
| ttgtctgaat  | accgaaaaaa | ctggtttgct  | acaattgtaa  | gttaccttac | cgacttggtg  | 1150380 |
| cagggtagctc | cttctatcat | cataggtatt  | attacatata  | tttgggtggg | ggtgcccattg | 1150440 |
| aaaggatatt  | cggctattgc | cggaagcgta  | gcactgttta  | tcatgatgct | gccgctcatt  | 1150500 |
| atccgttcca  | cgaagaaac  | gatgaaggtt  | cttcccagata | cattgaaaga | agccggactg  | 1150560 |
| gcgctgggag  | gaagttattg | gcgtgtgatg  | ttgcagggtga | tgctgccttc | ggctttggga  | 1150620 |
| agtatcttta  | ccggtatctt | gctggcaatc  | tcgctgttg   | taggtgaaac | tgctccgttg  | 1150680 |
| atgtttacgg  | cgctgggtgg | cgctgccatc  | agctggaaca  | tgaccaaacc | gatgtcggca  | 1150740 |
| gtgcctttgc  | tgatctggga | gttcttcaat  | gatcccaact  | tgcaaagcct | tatctgggga  | 1150800 |
| gcttcattgt  | tcctgcttac | ctttgtatta  | tgtctgaatt  | tattagcaaa | acgaattgca  | 1150860 |
| aagaaatgga  | aaatataaaa | gaaccgattt  | tacaaataaa  | ggatgtctgt | atttcgtata  | 1150920 |
| catccagtac  | gatggcagtg | aagcatgtat  | cggcagacat  | tcagaaaaat | accattacgg  | 1150980 |
| ctatcatggg  | accttcgggt | tgtggtaaga  | gtacgttact  | gcgtgccgta | aaccgtatgc  | 1151040 |
| acgaacttta  | taaaaacatt | cgtgtcacag  | gcgaaattct  | gttgaacgga | gaaaatgtgc  | 1151100 |
| ttcagatgca  | accgatggaa | gaacgtcgcc  | gtattggtat  | ggttttccag | cgtccgaatc  | 1151160 |
| cgttccctac  | catgaatata | tacgataacg  | tgctggcagg  | ctatttgctg | aacggtatcc  | 1151220 |
| gtctttccaa  | atcggaaaaa | gatgaaatcg  | tagagcgcaa  | cttacgtagc | gttgccttgt  | 1151280 |
| gggatgaggt  | gaaagactcg | ctgaccaaac  | gaggaacttt  | cctttcggga | ggtcagcagc  | 1151340 |
| agcgtttgtg  | tatcgcccgt | tcacttgcct  | tgaaaccgga  | tgtactgttg | atggatgagc  | 1151400 |
| cgacttcggc  | tttggaccct | attgctacca  | agtatataga  | ggaactgatg | gacggcttga  | 1151460 |
| agaaagacgt  | tactatcttg | atcgttacc   | acaacatgtc  | gcaggctatg | cgtatttccg  | 1151520 |
| actattcgat  | gtttatgtat | atgggggagc  | tgatagagta  | cgaccgtaca | gacaagatgt  | 1151580 |
| tcgaaaaatcc | gacagatgaa | cgtacacgtg  | cttacctgac  | aggaaagatg | ggataaacga  | 1151640 |
| tacgtgtata  | atactttgac | ttatccggag  | taaacgggag  | aaaacattgg | gcttttccc   | 1151700 |
| tttactccgg  | attgtttttg | ggatattttac | aacattttct  | tagtgagggt | tgttttattag | 1151760 |
| gtaaaagatt  | ctttttttga | gaaatttttt  | attactttta  | caatgaatat | taaccacctt  | 1151820 |
| gctatgaaaa  | agggcttctc | catattgctg  | ttgactgctt  | gcttggtttt | gtatgcttgc  | 1151880 |
| gaagaacaac  | aaaccgatgc | gccccgtttg  | tcggaatata  | cagaactgcc | ttccgacacc  | 1151940 |
| ctaactcttc  | cggatacgac | agaccttgct  | ccaaaacttc  | ttgtcgctgc | cgatattcac  | 1152000 |
| ctgacaaaaag | atttgcttta | cgaccagtat  | acgctcgagg  | atacctatcc | ttatggcgat  | 1152060 |
| acaatacgca  | gcttcaagt  | ggagaccatc  | cggaagtgtc  | tggcttttgt | ggaaaaatatg | 1152120 |
| catcgtgata  | cagcccgatg | ggtgggtattg | cgcaattata  | agaactttta | cagcgaagcc  | 1152180 |
| cccttggtcc  | gacgttatgt | acgtaatgcg  | tacgggcgtg  | tagccgatac | acttggcgta  | 1152240 |
| gaacgatacc  | agtcggttcc | gctttatctt  | acgaccgatt  | cttctgtacc | cgaacgttac  | 1152300 |

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| cccgtagtag  | aagatgaaga  | gtatcttggt | ccgccacgtt  | atattcgcat  | actgcccgat  | 1152420 |
| agcgtggttt  | tctaccatgt  | catttttgtc | gatcgggggtg | atcagaatat  | cacgactctg  | 1152480 |
| gaacgccttt  | ccgaaggaga  | gtgggctata | cgaagcatga  | atcctgccac  | aacgggggta  | 1152540 |
| catcgtccgc  | cgtatgctca  | ggaaactccg | ttgggaatgt  | tcctgttaca  | ggaaaagaaa  | 1152600 |
| acaaaaatgg  | tctttctgaa  | agacggagga | tcggctaccg  | gcggatatgc  | tccttatgca  | 1152660 |
| tcgcgattta  | ccaacggcgc  | atacatcac  | ggggtacctg  | tcaatgttcc  | tcgtacagcc  | 1152720 |
| atgatagaat  | acagttggtc  | gttggggacg | acaccccggt  | cgcacatgtg  | tgtacgcaat  | 1152780 |
| gctacctccc  | atgccaaagt  | tatcttcgat | aatatgcctt  | ccgaagctac  | gctgatagtc  | 1152840 |
| gttattgagt  | gaataaatga  | taaaacttct | cgcttttaac  | tgtctgataa  | taaattatta  | 1152900 |
| cggataaaat  | gagtaacttt  | gcagccggtg | tatttgtaaa  | gaaagattat  | gctgcgtata  | 1152960 |
| tcattattcc  | tgttattctt  | gtttgcatcg | tttttgattt  | cctttaccgg  | agtcggcgag  | 1153020 |
| ggagcatctg  | ccgtgtcgga  | agttaagcat | gtggcaaagc  | ccgacttgtg  | tgccgaactg  | 1153080 |
| tttcgggata  | tgcaactgga  | ggggaagggt | aattatacgg  | ctttccgtca  | ggcgggtgaca | 1153140 |
| ggttattacc  | ggattaccca  | gcgtaaacga | gatatactca  | ctttgatcga  | tttttccaaa  | 1153200 |
| ccttctaccg  | agaaacgttt  | gtacgtgttc | gatatgaagg  | aaaagaaaaat | gctcttttcg  | 1153260 |
| tcggttgtgg  | cacatggcaa  | gaacagcggg | ggagtatatg  | ccacttcttt  | ttccaacgaa  | 1153320 |
| tacggttcct  | ataaaaagttc | attgggattt | tatcttacgg  | catctaccta  | tcagggcaag  | 1153380 |
| aacggttatt  | cactgattct  | ggatggactg | gaaaaaggaa  | taaacgaccg  | cgcgcgagaa  | 1153440 |
| cgtgccatcg  | tcgtacacgg  | agctgcctat | gccgatcctt  | cagtcattcg  | tgcaggaggc  | 1153500 |
| agactgggaa  | gaagtttcgg  | atgtcctgcc | gttccgcaga  | aatctctccg  | cccgttgatt  | 1153560 |
| gataccatca  | aaggaggaag  | cgtgatgtac | atztatgccg  | ctactcccga  | gtatctggca  | 1153620 |
| cagagtcata  | ttttgaacgc  | caaagaccac | gcttgaccgc  | tcttcggtaa  | taccatacac  | 1153680 |
| cataagcgtc  | ggccagtgcc  | cagccgatag | ggatagccca  | ccagatgcca  | tgcacgccta  | 1153740 |
| tcgccggtat  | tgctgccagg  | gcgtatgcca | gtacgacacg  | tgttcctaag  | gagaaaacag  | 1153800 |
| taagtacgac  | cgacataccg  | ggcatacgta | tagcgcggta  | aaatccgtat  | aaaaggaaca  | 1153860 |
| gataacctat  | tcccacataa  | aagctgcctt | ctaccgcgag  | atattctacc  | ccgatactga  | 1153920 |
| taatctcttt  | ctcacttccg  | tcgataaaaa | gctgcatcag  | cggacgtgcg  | aagataaata  | 1153980 |
| cgatagccga  | aatcagcagg  | cagaatccgg | tcgtaacgcc  | gacggcacta  | cgaataccct  | 1154040 |
| gccggatacy  | tttctgttgt  | ccggctccga | aattctgcgc  | aacgaatgtc  | gaaaatgcat  | 1154100 |
| ttccgaaatc  | ctgtaccggc  | atgtaagcaa | acgaatcaat  | ttttacagca  | acggcaaaaag | 1154160 |
| ccgccatcac  | acttgttccg  | aaactgttta | ccagtccttg  | caccatcaga  | attccgaagt  | 1154220 |
| tcataccgga  | ctgtgcatg   | cacgtcagcg | aggaataggt  | ggctatttcc  | tttatcgact  | 1154280 |
| gccggtggag  | gcggatatga  | ctcagtttca | gcctgaatat  | cgggaaacga  | tacaaggcat  | 1154340 |
| aaacgcaaaag | tccggcagct  | gctgcggtct | gcgatatgac  | ggtagccgct  | gctgctcccg  | 1154400 |
| acacaccccca | gtgacatacc  | agaataaaaa | tcaggtcgag  | tactatattc  | agtaccacgg  | 1154460 |
| aaatagccag  | aaaataaaagc | ggaactatgg | aattgcccga  | ggcacgcagc  | agataggcgt  | 1154520 |
| aataattgta  | gatgaaagta  | cttattatac | ctaaaaagat  | aatgaacaga  | tagtcgaaca  | 1154580 |
| tcagtccctt  | tatttcggga  | ggcgtctgca | acaggcggat  | gatgggatga  | atgcctgcca  | 1154640 |
| gcacggcaat  | gttcagaatc  | agtgtgatac | ctcccgtcag  | aacgagcgag  | gaaaccagac  | 1154700 |
| tccgtttcat  | gccttcgtaa  | tcctttgctc | cgtattgcag  | tgaaaagacc  | gcaccactac  | 1154760 |
| ccatacatag  | tccgataaat  | accgatgtaa | taaataccat  | gagcgtatag  | gcagatccta  | 1154820 |
| cggcagccag  | cgcacccgcc  | cccagataat | ggcccacgat  | gaatgtatcg  | gctatgttgt  | 1154880 |
| agcattgttg  | cagcagattg  | cctagaatca | ttggaaccgc  | aaaacgcaac  | atcgttcccg  | 1154940 |
| taatgttacc  | ttgggtcaag  | tcgtttgttt | tagtatcatg  | taagccatt   | tctatgtcgt  | 1155000 |
| ttgtaagggt  | gcgaaagcct  | ttcccttggt | tgcagacgca  | aatttattgc  | ataaatcaaa  | 1155060 |
| aacaagtact  | acctttgtca  | caaattataa | gtgtccataa  | atagaaaaaa  | tatgttcaga  | 1155120 |
| acgaatacat  | gcggcgagtt  | gagacttgcc | gatgctggta  | aaaacgtgac  | acttgccgga  | 1155180 |

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| ggcattactc  | agttgggtgt  | caatacagat | gtgaacgccg | aactgtgtga | ccgtgccaat | 1155300 |
| catttggggac | gtgagtttgt  | gatacaggta | aaaggtgtgg | ttagcgaacg | ttcgagcaag | 1155360 |
| aacagcaacc  | ttccgaccgg  | agatatcgaa | atcatcgttt | cggaactgaa | tatcctgaat | 1155420 |
| acagcactga  | ctcctccgtt  | tacgatcgaa | gacaataccg | acggtgggga | tgacctccgt | 1155480 |
| atgaaatacc  | gttacctcga  | cctgcgccgt | acggcagtc  | gcaagaatct | ggaactgcgt | 1155540 |
| catcgtatga  | cgatggaagt  | acgtcgttat | ctcgacagca | agggattcct | cgaagtagaa | 1155600 |
| actccgatgc  | tgattgggtc  | tactccggaa | ggcgcacgcg | actttgtcgt | tccttctcgt | 1155660 |
| atgaacccgg  | gacagttcta  | cgcactgcct | cagtcacctc | agaccttgaa | gcagttgctg | 1155720 |
| atggtttctg  | gtttcgaccg  | ttacttccag | attgtaaaat | gtttccgcga | cgaagacctg | 1155780 |
| cgtgccgacc  | gtcagccgga  | atttaccag  | atcgactgcg | aaatgagttt | cgtagaacag | 1155840 |
| gaagacatca  | ttcagatgtt  | cgagggtatg | gcaaagcatt | tgttcaagga | attgcgcggt | 1155900 |
| gtggaactga  | caaaaccgtt  | tatccgtatg | ccgtgggccg | atgctatgaa | gtattatggt | 1155960 |
| agcgataaac  | ccgatttgcg  | tttcggtatg | aagtttgtcg | aattgatgga | tattctgaaa | 1156020 |
| ggctatggct  | tctctgtatt  | cgacaatgca | gcatacatcg | gcggtatctg | cgccgaagg  | 1156080 |
| gcagcacact  | acacacgtaa  | gcagctcgac | caactgacag | aattcgtaaa | acgtccgcag | 1156140 |
| attggtgcaa  | agggactggt  | ttacgcacgt | gtggaagccg | acggaaatgt | gaagtcaagc | 1156200 |
| gtcgataagt  | tctacagtca  | ggaagtgtc  | cagcagatga | aagcagcggt | cggtgccaaa | 1156260 |
| ccgggtgacc  | tgattctgat  | tttgagcggc | gatgatgcca | tgaagactcg | caagcagttg | 1156320 |
| tgcgaaacttc | gtctggaaat  | gggtaaccag | ctgggactgc | gcgacaagaa | ccagtttgct | 1156380 |
| tgctgtggg   | tagtagactt  | cccgatgttc | gaatggagcg | aggaagaagg | ccgactgatg | 1156440 |
| gcaatgcacc  | atccgttcac  | tcacccgaag | gacgaagata | ttccattgct | cgataccaat | 1156500 |
| ccggcagccg  | ttcgtgccga  | tgcatacgat | atggtagtca | atggcggttg | agtaggtggt | 1156560 |
| ggatctatcc  | gtatccacga  | ttcacagctt | caggctaaga | tgttcgagat | tctgggattc | 1156620 |
| actcccagaga | aagctcagga  | acagtttggc | ttcctgatga | acgccttcaa | gtttggtgca | 1156680 |
| ccccctcacg  | gaggtctggc  | ttacggtctt | gaccgttggg | tttcggtgtt | tgccggactc | 1156740 |
| gactcaatcc  | gcgactgtat  | cgctttcccg | aagaacaact | ccggacgcga | tgctatgctg | 1156800 |
| gatgcaccgg  | gttacctcga  | ccagaaacag | ctcgacgagc | ttaacctgaa | agttgagatt | 1156860 |
| aaagactaaa  | cccataattg  | acgttatatt | tttaaagata | caatttaaga | tacaataatt | 1156920 |
| tcgggcagag  | caagaacgtc  | gggagacagt | tctcgctttg | tctcgaaatc | tttttatgcc | 1156980 |
| ttttcccaat  | tacctttaat  | gagagagtct | gttcgtatta | tgcgtttcgc | catcgtggga | 1157040 |
| acgctgaatg  | ccctgatcac  | tgcattgata | gtaggattgt | tgatgcacat | agagggtgaa | 1157100 |
| cattacatga  | tagccaatgt  | tgtggcttat | gtagtggcgc | agattcataa | ctttatatgg | 1157160 |
| tccaaatatt  | ggattttccc  | gttgatgcc  | aaccggaaga | aaaacactat | ttggcatgaa | 1157220 |
| atcttatttt  | tcgcctgtgc  | ctttgctgtg | gcatacgctg | cacagttcct | gtttctcttg | 1157280 |
| tttctttag   | aggtatgcgg  | atgcaatgaa | taccttgctc | agttcctcgg | actgtttgta | 1157340 |
| tacggaggaa  | tcaacttcat  | gagcaacaag | tggattacct | tcagataatt | tccctatatc | 1157400 |
| aaaatcttat  | cggagcttga  | tggacagtct | gttgaaacgt | tcacttatca | tgtgcgacgg | 1157460 |
| gataatcgct  | ttcatcgtgt  | cgagtacggc | attgaccatc | cgttcccggg | taaaatcatc | 1157520 |
| ctttatcagg  | atagaaaccg  | ttcgctgtgc | cggaggattc | acattcagta | cttgaatatt | 1157580 |
| tcccttttgt  | ttttcactta  | gggtactgat | atgcaactcg | gggataatgg | tatacccacc | 1157640 |
| gtttctgtcc  | actattttga  | tgagcgtgtc | aatacttccg | gcttcataga | tatggttgcc | 1157700 |
| gatctccttg  | tcctcacaca  | gattgatgcc | accattggga | atgcagtgcc | cctctttcaa | 1157760 |
| aatccacatc  | tgctccggag  | gcaagttgcc | gttcacaatc | atgtgccgga | ccttactaca | 1157820 |
| gcaatcttcc  | gaaaagtagg  | cgacaaactt | ttctacatac | accggaattt | ccagaatggt | 1157880 |
| ggcgtgcgct  | tcgggagggtg | tcgttattgc | aatatccagg | ttgccgaacc | ggagatcctg | 1157940 |
| tatcagtgac  | ttgttttcct  | tttcgtcgat | aaacaagctc | acattcggat | aagcttttct | 1158000 |
| gaaatggtag  | ataaaaatcgg | gaataagata | aggcgcgatg | gtagggagaa | tacctatacg | 1158060 |

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|------------|-------------|-------------|-------------|-------------|-------------|---------|
| tacgttcccc | ttcatactgg  | tacttttcgtc | ggctactacc  | tccttgattc  | tctgcgtttc  | 1158120 |
| gttcagcgcg | attttagctt  | gccggataat  | cttttctcca  | atgcgggtag  | gcgagatatt  | 1158180 |
| ctttcggtcg | cggctgaaaa  | ttttgacatc  | cagttcctct  | tccagcttct  | gaatcatggc  | 1158240 |
| actcagcgta | ggctgagtta  | ccccgcaagc  | ctcggcagcc  | agtacaaagt  | gacgatactt  | 1158300 |
| atccagtgcc | actatatatt  | ccatttgctg  | taaagtcata  | gctcaataga  | ttttatctat  | 1158360 |
| gcaaagatag | aaaaaagctg  | ttgtgttcct  | acttttcaac  | ccgtattttt  | gcatcagtaa  | 1158420 |
| caaatacctc | ttctcaagaa  | aatgagaaa   | aaaaagtagt  | tgagtaataa  | acgaagtata  | 1158480 |
| aatcttaatt | attgattgaa  | tatgaaagca  | gttaatctta  | taaaggcaga  | ttttttgaag  | 1158540 |
| aaagtagcaa | actatgaagc  | aatccccgag  | tggaaattct  | tgggtgaacg  | tccggcaatc  | 1158600 |
| atcgatttct | atgctacctg  | gtgtggccca  | tgcaagatgc  | tggctcccat  | attggatgaa  | 1158660 |
| gtagccgaag | aatacgacgg  | tcagattgat  | gtatacaaag  | tgaatgtaga  | cgaggaagaa  | 1158720 |
| gaactggcat | cccttttcag  | aatcagaacg  | gtacctacct  | tacttttcgt  | gccgctgaac  | 1158780 |
| gaagcaccgc | agatggcgca  | gggagcactt  | cctaaaaaga  | cactggtaga  | agcagtccag  | 1158840 |
| actgtattgt | tgggtggaaa  | ataaagtacg  | ttaccaaaaa  | gactgaataa  | agatgaaaaa  | 1158900 |
| gatatttctg | ttatttgttt  | ctgttttcat  | gataggctgc  | atggcttatg  | gagaaacagg  | 1158960 |
| taaggtagtg | catgtcacca  | aatcggaatt  | tgtagaaaaa  | gtttacgatt  | acgaaaagaa  | 1159020 |
| tccggataag | tgggtctata  | aaggaaataa  | gccggccatt  | gtcgattttt  | atgccgactg  | 1159080 |
| gtgcggacct | tgccgcagac  | tgtcgcccgt  | gctggagaaa  | ctggctgcaa  | agtacaaaga  | 1159140 |
| ccagattgtg | atatacaagg  | tcaataccga  | caaggaacgc  | gaactggccg  | cagccttcgg  | 1159200 |
| tatcaccagc | ctgcccacac  | ttgtcttcat  | tccggtcgat  | ggacagcctc  | aagcatcaca  | 1159260 |
| aggtgccttg | cccgaagaaa  | tactggaaaa  | aggaattaag  | gaagtccttc  | tgaaatgacg  | 1159320 |
| aaagcaatgt | acaggaaatt  | taccggcttg  | taataactat  | attggggata  | aattgaccat  | 1159380 |
| ccctctgttc | ctgcctttat  | tgccattcaa  | ggtcaggagc  | agagggatta  | ttttttatatt | 1159440 |
| attcacctgc | tgggtgaataa | gtctgtaaaa  | atatcttgct  | cagcaaattcg | atgccggcct  | 1159500 |
| ttgtcttgaa | gatagtctgc  | cttacttttc  | tgacagcctc  | tgccggaaga  | ttatcctcat  | 1159560 |
| aaatgtttac | caggaaatca  | gcttcacca   | gtatctgggtg | atccatatcc  | ttgatgtcgt  | 1159620 |
| ggtacgtatg | atgatgtcca  | accagccagc  | agacacgttc  | catctgctcc  | gaagtgaagc  | 1159680 |
| ctccggtttc | cgataaaaatc | tttttggtca  | ccgccggacc  | ttcgagttct  | tgatgcttgc  | 1159740 |
| cgctcgaggc | accatatttc  | ttttcgcaga  | catggatgcc  | gatgtcgtgt  | acgatggcag  | 1159800 |
| ccgcttcaag | aatgaacagt  | acttcgggag  | ccacctgctc  | gcacatcccg  | atcagccggg  | 1159860 |
| caaagtaatg | cacctttatc  | aagtgtgtga  | tacgcttcgg  | atcccccttcg | tcgtaatgaa  | 1159920 |
| tagcccgtac | acacaagttg  | ttaagtgtag  | ctgacatcgt  | ttccaataac  | tctttgtcgg  | 1159980 |
| tattcatggt | atgttgtaaa  | taaaaattaa  | cgatattcta  | attgtttaaa  | tagtatattg  | 1160040 |
| ttctacctgt | atggctgctg  | catactggat  | atcttctttc  | aggaaattac  | ttaaattctc  | 1160100 |
| gtagaacgga | tagacaggac  | catatccgga  | gccgaacttg  | acattcgatc  | cgtagagaat  | 1160160 |
| cgcatgttag | atgaaattct  | ccgccttgct  | aacagccgta  | ttcatgtcat  | agccccttgc  | 1160220 |
| cagataagta | gcgatggaag  | aagcaaactg  | atcacccgtg  | ccgttcacgt  | tcttggtctg  | 1160280 |
| tatgcgtgcc | ttcttgtaaa  | acttgaaaca  | tttgctggca  | ggattataga  | acacatcgat  | 1160340 |
| caaataatcc | ccgtcttcga  | tggatttgac  | gatgacacag  | tttccccact  | tgctcagttc  | 1160400 |
| ggggatatat | tccttcatgt  | tatcttttagt | caggctcttt  | cccagtagca  | aatccgcctc  | 1160460 |
| tctccggttg | ggcgtgatga  | tggtagaata  | ggggaaaaga  | caatccttgt  | aagcctgaat  | 1160520 |
| cgcatcgtcc | tgcaacaact  | tgtcgccggc  | agacgatacc  | atgaccggat  | ctatcactac  | 1160580 |
| cggaatggat | tgtttcttga  | tcacctctcc  | gatggccact  | gccagttcct  | tggaaatacaa | 1160640 |
| catccccgtc | ttgatacagt  | cggcacctac  | atcctccaga  | aacgaatacg  | cctgatcggt  | 1160700 |
| taccattttc | ggaggaatag  | tgtgtatgct  | ttttacctta  | atcgatatctt | catcgacaat  | 1160760 |
| acatgtgatg | gcaccggcag  | catatcctcc  | acatgccgaa  | accgatttga  | tgtcggcctg  | 1160820 |
| catgcccgtc | gtaccagcg   | gtcacttcc   | ggcaattaaa  | aataccttat  | agagtttatt  | 1160880 |
| tgttaagtcc | attcttctca  | atctcataat  | tatgcccgaa  | agccgtccgg  | ataagagcag  | 1160940 |

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|             |            |             |             |             |            |         |
|-------------|------------|-------------|-------------|-------------|------------|---------|
| gcagtcggat  | ctcgtttaag | tatacttttg  | tcagagtgc   | aagtaaagca  | atatcgtgtc | 1161000 |
| tgggtagata  | cctgaaatgt | gatattaaca  | taaattttta  | taattataaa  | tagtcagaga | 1161060 |
| actgtttggg  | gggagaatct | catgataaat  | tacgggcatt  | gtttgttttag | ttgaaaaaaa | 1161120 |
| ttctttacat  | ttgtataatc | tttaaaatat  | catgctatgt  | taggtgcagt  | tattggtgac | 1161180 |
| gttgtgggct  | ccgtatacga | attccacaat  | acccgcgatt  | acaattttcc  | gatgttttct | 1161240 |
| tcttccagta  | attttacaga | cgataccgtc  | atgaccatgg  | cagttgccga  | ttgggcatg  | 1161300 |
| aagtgcgaag  | cggtaggcgg | taaagcttac  | ccgcatctgt  | tgctggaaga  | gtgtatggta | 1161360 |
| aaaatagcca  | acgcctatcc | ttgtccgatg  | ggcggttacg  | gaggcaagtt  | ccgtctgtgg | 1161420 |
| ctcttttatc  | ctcagagcct | gacagactac  | agaaccggaa  | agccggcagt  | acgtcggtgt | 1161480 |
| ccttacaatt  | cctggggaaa | cggctccgcc  | atgcgagttt  | catccatagg  | ctggctgttc | 1161540 |
| gatacgttgg  | aagaaaccga | aaaagttgcc  | ggcatctcgg  | cttccatcac  | acacaatcat | 1161600 |
| cccagaggaa  | taaaaggtgc | gcaggcagta  | gcggcagcca  | tctatctggc  | acgtactggc | 1161660 |
| agtgggaaag  | cagaaatcaa | gcgatataat  | gaaaaacggt  | tcggttacia  | cctgaatgaa | 1161720 |
| agctggaaac  | acctgcatca | aacctatcgt  | tgggattcaa  | gttgccaagg  | cacggttccg | 1161780 |
| caggcactga  | ttgctttcct | cgaaagcaag  | gacatggaga  | gtgccctccg  | catggcagtt | 1161840 |
| tccataggag  | gcgacagcga | tacactggcc  | tgcattacgg  | gggcagtggc  | tgaagcatac | 1161900 |
| tatcaggaaa  | ttccctcgtt | tatagtagac  | gaggtacttt  | ctctgctacc  | tgcagaattt | 1161960 |
| ttcggcctgc  | tgaagcagtt | ggcagacgga  | gcttatgccg  | gatgctatgc  | gaactatata | 1162020 |
| gccggataca  | ttccggcgaa | aaccagagaa  | tgtactcccg  | accggatttc  | ctcgtgaag  | 1162080 |
| cctggtgaaa  | tatttgtcct | cggttccaat  | ttggcaggac  | atcacggggg  | cggagccgcc | 1162140 |
| cggctggcct  | acgaacgatt | cggtgcaag   | tgggggacag  | gcgttggcat  | gaccggacaa | 1162200 |
| tgttacgcca  | tacctaccat | gcagggagga  | atagaaacca  | tccggcccta  | tgtaaaagat | 1162260 |
| tttatagtat  | acgccaaggt | acatccggaa  | tacaagttct  | gggtaaccgg  | gatcggctgt | 1162320 |
| ggaatagcag  | gattcaagga | cagagaaatc  | gccccgttgt  | ttgccgatgc  | actcgacgtg | 1162380 |
| ccgaacatca  | ttcttcccaa | gaccttttat  | gatgtactga  | tgaagtgatg  | aaatgacccc | 1162440 |
| caaaaagttag | gcagaaaact | tttgggggtgc | acttcaatcc  | ccataaaacg  | tcggcacggt | 1162500 |
| tttttatatt  | ttgtacaaaa | aaaattagaa  | tttgtacaaa  | aacaaaacgg  | cttttcagca | 1162560 |
| taattattgg  | ttaatctgct | atttttcggt  | tatctttccg  | acggaataag  | atttaaaata | 1162620 |
| acagcaataa  | aatcaactat | gggaataatg  | aacgcaattt  | tcggcaatgt  | atccgaaatg | 1162680 |
| gatattaccg  | gtttacaaaa | agaattcggg  | gcgctgcttt  | gcgacgggga  | acgtatcgaa | 1162740 |
| agagcttata  | agctgatcag | ggataaatgg  | atattttacca | ataagcgttg  | tatattaatt | 1162800 |
| aaacgttgta  | cttttgtata | aattttcaac  | atcaaagtgt  | ggaataagac  | cgacgtaagc | 1162860 |
| ttagtcatct  | agattgtatc | ggatgttcag  | ccccacact   | tttacatcag  | aatccggata | 1162920 |
| gttcattggg  | cagttagacc | ccgcatttgc  | aatgatggct  | aaagatgtat  | agatgttgcg | 1162980 |
| ttgtaattat  | aaaaaccatt | agcttatgac  | ctacgttggg  | attgatgtta  | gtaagttaac | 1163040 |
| attcgtgggt  | gcttattcct | ctgcaaaaag  | cagtaaaacc  | aaaaccttta  | agaatacagc | 1163100 |
| taaaggtatt  | cgtgagttta | taaaaacgat  | atcagttgat  | gaacatcatt  | gtgttatgga | 1163160 |
| agcaacaggc  | aattatagta | cattgcttgt  | atatatgctt  | tccgagtttg  | gttttacagt | 1163220 |
| aagcctggag  | aaccctctga | agataaaaaa  | tttctccaaa  | gtcatgcttt  | cagtcataaa | 1163280 |
| gtctgacgag  | attgatgcac | gtcttatagc  | actatacggg  | gagaagatgc  | aaccatctcc | 1163340 |
| atacagaatg  | cgcagcgatt | caatttttagt | tctcaaacaa  | aaacgtactg  | tcctacgcca | 1163400 |
| gctaaagaag  | cagttagtag | caacaagcaa  | cctgaaagggt | tctatggagg  | ttcttccaat | 1163460 |
| ttatgactct  | aaatgcaaga | aaacaataga  | gaaaacgatt  | gctttttctgg | gaaaacaaat | 1163520 |
| caaatatatg  | gaagaagaac | tggcttcatt  | agctaattgat | gaattcaaga  | aacagatgga | 1163580 |
| tttactcact  | tccataaaag | gtatcgggtg  | aacactagct  | gcggctttta  | ttgtggcaac | 1163640 |
| tggtggcttt  | acatactttg | ataatgcaaa  | acaacttacg  | cgttatcttg  | gcttatcacc | 1163700 |
| aacatatcaa  | cagtcaggaa | catctgtcaa  | ctttaaggtg  | cacataaaca  | gaaatggcga | 1163760 |
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|-------------|-------------|------------|------------|-------------|-------------|---------|
| atgtaaagca  | tgttttgacc  | gtctacgac  | taaaggtaaa | cctggtaaa   | tagctgttgt  | 1163880 |
| tgctgtcgcc  | aataaattgg  | taagacaggc | ctttgcagtt | gttacacaag  | ataagccata  | 1163940 |
| tgttgatgga  | tttatatcag  | taaaaccata | atcactcctg | cggagggagc  | gccatgcggc  | 1164000 |
| aagggactga  | gcagtcaggc  | ccgacgagtt | ttcattatac | atatgcataa  | acatacttat  | 1164060 |
| aattgttaaa  | tatattcaag  | tttttattat | agttcatcca | ttttagagag  | ttattattag  | 1164120 |
| gtcgggatag  | aacaaccttt  | gtttcaaggg | ctttataaag | gtcggctttc  | agaaaaggca  | 1164180 |
| aggactatgg  | gataaatata  | accttcaggt | ggagatttct | cccatagcct  | tggaatcct   | 1164240 |
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| ggtaaaactg  | aatcagaaaa  | caggaagctc | gtttctttca | ataataatct  | gtatgaacc   | 1164360 |
| tgtagttca   | gtgtaaagtt  | catcatactc | tggtttaccg | tcaaaatcat  | catcaagttt  | 1164420 |
| atatttggca  | aatgttttct  | gaatagctgt | attgcccaaa | aggatagctg  | ccaacctctc  | 1164480 |
| agcaagactc  | tgaggtatat  | tttctgcaaa | ctcattccat | aatacttcta  | caattgtatc  | 1164540 |
| atacttggaa  | aagtgaagtc  | cattgtacag | aatctcattt | gcagcttctt  | cagcttcaag  | 1164600 |
| atctgaaaga  | ccaatgggta  | tggcattggc | atatacatte | aatgcttcat  | ctgcacggct  | 1164660 |
| acttaggaaa  | gctttgtcat  | tggacaattc | cggatgatgc | tactgatata  | acttcccca   | 1164720 |
| taaagactgg  | aagtaagaaa  | gttctctttt | ttcgtttgtt | ttcatgttac  | ctactttttt  | 1164780 |
| atttgggttaa | tggaatcatt  | gaaattatct | aatttacctg | caagtgccag  | catatcttct  | 1164840 |
| tctatcttct  | tgtttggtat  | acgtaggctc | ggctgtcggc | gcatgccac   | cttacggtgg  | 1164900 |
| taggtttccg  | acagcctgcc  | tccgaaccgt | acgtacacgt | ctccatgtat  | acggctctcc  | 1164960 |
| gcccataacg  | gcattttagc  | tattctccgc | atgaatcatg | ttatgacatt  | ctgcacagac  | 1165020 |
| gattaaagat  | tttctatgca  | ttttgagcat | tttacgttcc | catccgggtt  | tgctctttaa  | 1165080 |
| atctgagagt  | ttcctgacgt  | ggtgtgacac | aacatttctt | tcttttccgc  | acaactcaca  | 1165140 |
| cttatttgca  | gtcagtcctt  | cgaccagact | catagatgga | gtgttgaata  | agtagggcaa  | 1165200 |
| gttatcacat  | ttttgagttt  | ccaagtcggg | aatacgttg  | aagcccttat  | tgtaaaacac  | 1165260 |
| ccttggtttg  | cgttcgcctt  | tcttgtccgt | ataccacacc | acaaatttat  | catcttcacg  | 1165320 |
| atacttgtct  | gttatgggtc  | tgacggaact | gttaagtttt | tgcgcaaatg  | tcttttagcat | 1165380 |
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| cacattcatg  | gcttcaagac  | tcagtaactt | cttctttatt | acttctcgtg  | atacgtgtag  | 1165620 |
| tatcacatta  | ccattacgat  | gtctacgagt | ttctcctctt | gcatttttct  | gcgttgtgta  | 1165680 |
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| caaggctctt  | tcttgtgaca  | tttccaattt | tagcttcttt | tgcataaatt  | gtgtgacatc  | 1165800 |
| cgccttgatt  | ttctcgcact  | ctgctttatt | tccaatgacc | cctataagga  | aatcatcagc  | 1165860 |
| gtagcgtaca  | taattcaatc  | tacggaaatt | ctcatccata | tcgttaccgc  | tcggcatagt  | 1165920 |
| cagtatttgc  | tgttgcttat  | tacgaacttc | ctccgcattt | gcttccaatt  | tatcaacgtc  | 1165980 |
| cgtcacctcc  | ttcattctct  | tctttagata | gtgaactcga | ttgttcagtc  | tgccgatatc  | 1166040 |
| cttgttgcg   | tgtctaactt  | tacccttatg | gaaatcttgt | gcatacttct  | tcatatactt  | 1166100 |
| atcgaacttg  | tccaggtaga  | tattagccag | tattggactg | ataattccac  | cttgaggcgt  | 1166160 |
| acccgaataa  | gttctattga  | agtgccattc | ttccaaatat | ccagcgttga  | gaaattttacg | 1166220 |
| tattaaccga  | aggaaacgtt  | cgtcagatat | gcgttccctc | agaatttcta  | tcatcacgcc  | 1166280 |
| atggttgata  | ttgtcaaaga  | aaccttttat | gtctccctca | atgaaccact  | ttgttccggt  | 1166340 |
| gaaattattc  | tgtagactct  | taagtgccgt | gtggcagctt | ttgtgtggtc  | tgaaaccatg  | 1166400 |
| tgaagtccgt  | tcaaaaatata | cttcgtatat | ggcttcgaga | accatttctca | ctacctcttg  | 1166460 |
| cactaattta  | tctgcaaacg  | tagggatacc | gagcgaacgt | aactttccgc  | tcttcttcgg  | 1166520 |
| tatgtaaacc  | ctctttgccg  | gtttaggcct | atagacttcg | cttttgagac  | tgtctattaa  | 1166580 |
| tgcgtgtatc  | ttgtcaatgc  | tcatgccgtc | ctccgtctgt | ccatcagtac  | cgggtgtcat  | 1166640 |
| attgcctggt  | tttgcatgaa  | tgcgctgata | tgcgactaag | aacatctgct  | cattgaacag  | 1166700 |

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|             |             |            |            |            |            |         |
|-------------|-------------|------------|------------|------------|------------|---------|
| aatacगतग    | agtcगttcg   | atttगtaacc | tgactcgttg | ctgtगttcag | ctaaaatg   | 1166760 |
| taatacttg   | tcgggatttc  | tcatacgtct | ctcacgtttt | cctttgtttg | tactaaag   | 1166820 |
| atggactgt   | ccccttcgcc  | atgtacaagc | cgtaaacttg | ctcggactac | tatgggaact | 1166880 |
| ccgttgccat  | atcagatatt  | cagagaccag | ctctcatagc | ccttgaggcg | ttctgactta | 1166940 |
| ggcaatcccc  | agttagtttc  | acttgataac | tattagcggt | acatattgtc | ggatgcgact | 1167000 |
| ttcgttcttg  | tccgcttatt  | gcggtgtgt  | catagtcggt | tcttaatgct | ctgaactaac | 1167060 |
| gcacaaaata  | gccagagtac  | tatgaaatag | cgtatataaa | agccttcgc  | tattgcaaga | 1167120 |
| tgtggtacca  | ccgaactatc  | gttcaaccaa | tcaaggcttc | atccttgat  | atgtcgtttc | 1167180 |
| gtcttgccct  | tcagtcgcta  | cttggtatt  | agtagactca | gggctttaat | cagcatgcta | 1167240 |
| cactccccgt  | taggtttccc  | cgtcggataa | gctgattgac | gataggatta | tattgaaccc | 1167300 |
| aatcctaact  | tcttgctaca  | gaagtattta | tcaagcgacc | aatctggg   | cacgggcata | 1167360 |
| tacttggtga  | gtccttatat  | tggtgtgacc | aagcattttt | gacacagatt | caataggaac | 1167420 |
| acctttactt  | aatatcattg  | tagcaaagt  | atgtcttgcc | aggtggagta | taaagtaaaa | 1167480 |
| agcaatagct  | aacaagattg  | aacagataaa | tcgtaacgtg | ttggaaataa | gcagatattc | 1167540 |
| atcattttgc  | ttaaagtcga  | aaaggcaatg | aagtgcagaa | tattgagcgg | tttcagttac | 1167600 |
| caaaacgtta  | gctgtccagt  | tacctgaaca | atataggtaa | cggtgagcaa | atcaagtaat | 1167660 |
| ctgagaccgg  | ataattttct  | actgatttgc | aatgttttgc | atatcaaaga | acgcttataa | 1167720 |
| gaattgtagt  | tttacaacaa  | aaaatgtaag | cgtatgaaga | ttgaaaaatt | caagggtgtg | 1167780 |
| ctttacctta  | aaagaagcgg  | aacagacaag | aacggaaaaa | ctccgatcat | gggcagaatt | 1167840 |
| acggtaaacc  | gtagtgtagc  | acaattcagt | tgtaaactga | attgcagtga | gaaacttttg | 1167900 |
| aatccgaggg  | aaagccggtt  | gaacggcaaa | agtaaggaag | cggtggaaac | caatgccaaa | 1167960 |
| atagacaggc  | tgcttgtttc  | catacacaaa | gcatttgata | cccttgtaga | acggaaaacc | 1168020 |
| gatttcgatg  | ccgtttcagt  | aaaaaatctg | tttcaagggt | gaatggacag | ccgcatgact | 1168080 |
| ctgctcaaac  | tttttgaccg  | tcacatagaa | gaagtcaaat | ctcttgtcgg | tgtggaatat | 1168140 |
| tcattacgaa  | cgatacccaa  | ttatatattt | acgcggcaac | gacttgccga | atttatatcc | 1168200 |
| agccgttata  | aggtttccga  | tcttgcattc | ggacaattga | acgagcagtt | cataagggag | 1168260 |
| tttcaggaat  | atgtgggtcat | aaagtgtgga | ttaagtgttg | aaaccgtacg | ccattatttg | 1168320 |
| gctttactta  | aacgggtctg  | tcgtatagcc | tttaaggaag | gacattcgga | caagtaccat | 1168380 |
| tttgaacatt  | acactttg    | aaagaagctg | gaaaagccac | cgagagcatt | gagccgtgag | 1168440 |
| gattttgaaa  | aactccgtga  | tttggaataa | gaggaacacc | gttggtcgca | tattactacc | 1168500 |
| agagaccttt  | ttcttttcgc  | ctgttatacc | ggaacctctt | atattgatgt | agtgtccata | 1168560 |
| accgaaacaa  | accttgtaaa  | ggatgacagc | ggagctttat | ggctgaaata | ccagcgagga | 1168620 |
| aagaacggaa  | aattatgccg  | tgtcaaactg | cttcgggaag | caatagagct | tatcgaaaaa | 1168680 |
| taccgcagca  | aatcacgaaa  | aacactgttc | ccacatatag | aacacgggtg | attgatgtgg | 1168740 |
| aacttgtcca  | gtctgaaggt  | tatggccgga | atagacggtc | cgcttaccta | tcatatggga | 1168800 |
| cggcactcgt  | tttcgactct  | gatcacactc | gaaaacgggt | taccgataga | aacggtcagc | 1168860 |
| agaatgctgg  | ggcattcaga  | catttctact | acccagattt | atgcgcgggt | gactccgaag | 1168920 |
| aaactttttg  | aagacatgga  | taaatatata | gaggctacca | aagacttgaa | acttgacttc | 1168980 |
| tgataataag  | tatcaccaat  | aaaataaatt | atacgattat | gcgcagcaca | ttttcaatat | 1169040 |
| taccatacat  | aaaccgcaat  | aaagtaaagg | cagacggtag | cacatccgtc | atgtgccgaa | 1169100 |
| tttccataga  | cagcaagagc  | agtgtatttt | ccacagggat | atattgccgt | cccgaggact | 1169160 |
| ggaataccga  | aaagggggaa  | atcagggagc | aaagagcgaa | caaccgtttg | attgaactcc | 1169220 |
| gcaacaagtt  | ggaacagact  | tatgaaaagt | acttgaaaac | aaaagggtgt | gtcagtgcag | 1169280 |
| aactgcttaa  | aaatgagatt  | acacaggcca | atacagtgcc | ggaatacctt | cttcaggccg | 1169340 |
| gagaagagga  | acgtgaacgg  | ctcagagtcc | gttcagttga | aatccgggtc | acctccagtt | 1169400 |
| acaggcagtc  | taaaagtaca  | caggcttacc | tacgcgaata | tctgctcaca | ctaaaaatga | 1169460 |
| cggatatagc  | atttgaggac  | attacggaag | atttcggtta | tggtttcaaa | cagtttgtca | 1169520 |
| agtcaaaaagg | ctgcaaggct  | tctcatataa | atcattgtat | gacgtggctg | aacaggctga | 1169580 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tttatatagc  | tggtgacagg  | gaaatitttac | gcttcaatcc  | gatagctgat  | gttcctttacg | 1169640 |
| aaaagaagga  | agcccccag   | ctgaaccata  | tcagccggag  | ccagctgcaa  | ctgattatgg  | 1169700 |
| aacgtccgat  | gccaacaaa   | tggcaggaac  | tcacacggcg  | tgtctttatc  | ttctctgctt  | 1169760 |
| tcacttcatt  | agcatacgtg  | gatatgaagg  | aacttttatcc | ccatcatatc  | ggcaagaccg  | 1169820 |
| ctgaagggaag | gcgttatatc  | cgcattaacc  | gcaaaaaaac  | cggagttgaa  | tccttttatac | 1169880 |
| cacttcatcc  | ggttgccgag  | cagatattgg  | aacttttataa | taccacggat  | gatacgaaac  | 1169940 |
| cggtatittcc | tcttccta    | cgggatatgc  | tctggtatgc  | cgtaaattgag | ataggggtac  | 1170000 |
| tggcaggagt  | caaaggaaca  | ctcagccatc  | atcaggcacg  | acatacgttc  | ggaaccttgc  | 1170060 |
| tactttctgc  | cggcggttcca | atagagagta  | tcagtaaaat  | gatggggcat  | acaaatatca  | 1170120 |
| agacaactca  | ggtatatgcc  | agggttactg  | atgataagat  | ctcagaagat  | atggacaaac  | 1170180 |
| taatggagaa  | aagaaagagc  | agcagtcaaa  | ccgataaaaa  | acagaccagt  | atatgaaaag  | 1170240 |
| ggaaccaata  | acaatcaatg  | aaagtggaaa  | tattattata  | caaacgatca  | atccttctga  | 1170300 |
| aatttggatg  | aacgagccgg  | aactgatttc  | tttctttaac  | gtaattgcac  | caactttcag  | 1170360 |
| agcagcagtc  | cggactgttt  | ataagaaagg  | tacattaaat  | ccgggggttag | tggaaaaacg  | 1170420 |
| tatcaaacag  | aaagacgggt  | gttacgagaa  | tttttataat  | gtggaaatga  | tttttgcgct  | 1170480 |
| ggcattccta  | ttggatactt  | atccggcaga  | ccgactgcga  | aaatatctga  | taacaaaagc  | 1170540 |
| tgtaaaaagaa | aatgcagctc  | cttttggttg  | tattattggc  | aaaaatcatt  | cctatctgaa  | 1170600 |
| atgttaggtt  | cctgtcttaa  | aaagcaatag  | ccgacagcag  | gcggataatt  | ccagcctgtc  | 1170660 |
| tgtcggctat  | tggtatacac  | gcagactaga  | tgcggtttac  | tttgtaggct  | tcccgataat  | 1170720 |
| tctcctgaag  | cattttctca  | atgtcactct  | cccggtaaag  | gattttacct  | cccaactggt  | 1170780 |
| aataggatat  | tcttccttca  | ttacgataat  | cctgaagcgt  | acgtctgctc  | agtttcaatt  | 1170840 |
| gcgctgacac  | ttccttgctg  | gtcagatagc  | gttcaccgcc  | cagcacggga  | cggtttccga  | 1170900 |
| ccgccagatt  | ctcaatccc   | accagcatac  | ggtcaagact  | tcccatgata  | cgggtgtaccc | 1170960 |
| attctctgct  | gtctgttctc  | agttcactca  | tgttattatg  | gatttagtgg  | ttattattta  | 1171020 |
| actgttatat  | gttacgtcct  | ctgtaaagag  | cctcttttct  | tctgtcctca  | acttttcttga | 1171080 |
| tgataccctg  | cacatcttcc  | ggcttgtaga  | atatcttgtg  | attgatttga  | gaaaaaggca  | 1171140 |
| gtgtaccgtt  | atcacggagt  | gtctgcaggg  | tacgggggtga | aatgttcaga  | taccggcata  | 1171200 |
| cgtcctgatt  | gtccatccac  | ttgtgcagcg  | tcctgtcggt  | ctcccggttg  | caaatatcca  | 1171260 |
| tgacccgatg  | ctcaaagtat  | tcaaacttac  | gcaccaattc  | ctcaaacagt  | tgtttttctta | 1171320 |
| ttcctacaaa  | ttccatatcg  | tttctttttt  | tgttgattga  | tgttttattct | tttttcggttg | 1171380 |
| tttgcgacaa  | agaaaagcca  | tatattctga  | aaggcaatgg  | tttccgctta  | actggcagca  | 1171440 |
| tgtggcgctg  | attatcttag  | ttatgaggcc  | acattcatat  | catttttctgc | aaatatccct  | 1171500 |
| atattcaggg  | actccatcca  | ataatgaatt  | gcagaataaa  | agatctatga  | acctgattca  | 1171560 |
| ataaagggtcc | atagcaatgg  | ataaggaatg  | gtttattttcc | ctgtaacctt  | acttcattac  | 1171620 |
| ttttccaagc  | cattgattag  | ataaggaagc  | aaagaattgt  | tccttcaatg  | attcacagac  | 1171680 |
| atgaatgttt  | actacagtac  | gacaatacaa  | cattaagtca  | gtaaattattc | aagtcaataa  | 1171740 |
| atcagtaact  | gtttgaatcc  | ccggttcatt  | gtttcatcaa  | acaggaaaaag | tactgcattc  | 1171800 |
| cacaccgatt  | gccctatatg  | caaagtgcaa  | taggccacat  | tgttgccaca  | tcccgaccaa  | 1171860 |
| ctgtttgact  | attggaaact  | tatattcttt  | ttttgccaga  | caattttattc | cgagatatat  | 1171920 |
| cggaaacatgg | caaacaaaat  | gagaaaatac  | atgatgaaca  | gaaacgaaaa  | aacaggtctg  | 1171980 |
| tcccctccat  | aaaatgatac  | cgacaacggg  | attattttctc | cccaattttat | agggagcata  | 1172040 |
| ttcaaagacg  | ctcaaaaatag | cgggactctg  | attttttagtg | gagcaagttt  | gtgtttcggg  | 1172100 |
| cagaccgaaa  | ccgcttgctc  | ccactacaag  | aggcagtgag  | aggttcatcc  | cgctgggtcta | 1172160 |
| atcagtacat  | tcatttttata | caatagtcaa  | cagatggaaa  | agaaacagaa  | tacagaaaaga | 1172220 |
| aacaacaagg  | gcggccgttc  | tcccaagagt  | acgaccgaca  | aactgaaata  | ccgtgttacc  | 1172280 |
| gtgaaactgg  | cgacaccgga  | ttactataca  | ctgaaaagca  | gggcaagaag  | cgcaggcata  | 1172340 |
| tcggcaagcg  | aatacctgag  | agaatgtttc  | cgtaagggat  | atgtccggca  | aagacttaca  | 1172400 |
| acggaacatt  | ccgactatat  | ccgtaagcta  | tgcggtatgg  | cgaacaatct  | gaaccagctg  | 1172460 |

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|-------------|------------|------------|------------|------------|-------------|---------|
| gctcataagg  | caaagtgcgg | aggattcgag | acggcaaagc | tggaatgccg | tgtacaggtg  | 1172520 |
| gcaagaatcg  | aagaactgct | gaaccatatc | ctgctatgat | tgcgaagatt | gtaaagggaa  | 1172580 |
| gcggattccg  | tgaggttacc | ggctatatca | ttgacagtaa | aaaggatgcc | aggattatcg  | 1172640 |
| cacatgccgg  | cttgttcatt | gaggatgttg | acacaataac | aaaggctttc | gaagcacagg  | 1172700 |
| ccggaatgaa  | tccgaaagta | tccagaccgg | tggacacat  | tgcactggga | ttttccaaag  | 1172760 |
| aggatgaaa   | caggctgacc | agccggatta | tggcagatat | agctttggaa | tacatgggac  | 1172820 |
| ggatgggcat  | aaggaacaca | cagttcttta | tagccagaca | tttcgacaag | gagcatcccc  | 1172880 |
| atatacatat  | tgcctacaac | cggatagaca | atgatggcag | gaccatatcc | gacaaaaacg  | 1172940 |
| agcggttacg  | gagtgcacgc | atctgcaagg | aactgacctt | gaaatatggg | ctacacatgg  | 1173000 |
| ccaaaggtaa  | ggatcatgtc | aagactgaac | gtttaagggg | accggacaag | acaaagtatg  | 1173060 |
| aactttacag  | tctgcttaaa | acggaagtca | gaaaggccgg | gaactggaag | gaactgattg  | 1173120 |
| ccggattaag  | cgaacaggga | gtggatgtac | ggttcaaata | caagggaaaa | tccgatgaag  | 1173180 |
| tacagggtgt  | cgtgttcac  | atgaacggtt | attccttcag | cggttccaag | attgacagac  | 1173240 |
| agttcagcta  | ttccaagata | gatgccgcgt | taaagacagc | ttcatattcg | gaaacagaaa  | 1173300 |
| gacaggtagc  | tgttcagagt | gaagcggcat | atcaacagga | accgcatagc | tatgaattat  | 1173360 |
| acagcggttc  | tttaggcctg | ttcacaccga | acccgcaacc | ggaacaacct | gaaggctatc  | 1173420 |
| cggacgatta  | tttgagaaa  | aagaaaaaga | aaaaacaacg | taaaataaga | tggtaaaata  | 1173480 |
| tggaaaaaga  | taatgtatat | gttttgtttg | aagaaatcaa | gaacaagatt | gagatgataa  | 1173540 |
| acgggaagtt  | ggaacagaag | accggaacac | caactggcag | acaggcagaa | gaagtgatcc  | 1173600 |
| cgacatgcgt  | aaggcatatt | caccggcata | gttttgacat | caggtcaagc | aaagtatttt  | 1173660 |
| ctcttttgg   | cggaatgggc | gtggtatgca | gcctgtcctt | atggggaaat | atcagacttt  | 1173720 |
| ggcagtccaa  | ccggcaatat | gcagacgacg | tcctgaagtt | ccgcgccatc | cgttcctggg  | 1173780 |
| gcgggtgtac  | tccggaagat | attctctggc | tgaacaaggt | ttttgacatc | catcgtgacg  | 1173840 |
| aaaaggctat  | cgaatgggtc | agaaaacagg | ccgacgggta | cgaaaacgag | ctgaaagctg  | 1173900 |
| tttccgacag  | cctgatgcag | gagaaactta | aattacaggt | agaatctgaa | tcagattgat  | 1173960 |
| atggccagtg  | ttaaagtaaa | attcagacct | tccatcatag | agggaaagga | aggcaccatc  | 1174020 |
| tattatcaga  | ttatccagag | ccgtgtgatc | cgtcagttaa | agacggatta | ccggatatatt | 1174080 |
| acggatgaat  | ggaacgaagc | tggaagctgt | atcattgtcg | gtagtccgga | acgaagcaat  | 1174140 |
| ctgcttctat  | ccttgagga  | acgcatggaa | tgggacctga | agcggctgga | catgatcgtc  | 1174200 |
| cgccaactag  | aaaatcgaaa | aggacatat  | acagcagatg | atattatcac | ttcttttcaa  | 1174260 |
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| cagatgggca  | agatacgcac | ggctgaaaat | tattcctgca | ccctgaaaag | tttcatgcag  | 1174380 |
| ttcagagggg  | acagggatgt | tctgtgtcc  | gaaattgatt | cggatttgat | gcagctttat  | 1174440 |
| gaagcctacc  | ttcatggaag | aggtgccgta | cggaaatcca | gttcattcta | tatgcgtatc  | 1174500 |
| cttcgggcgg  | tatataaccg | tgctctggaa | aagggactga | tggaaacagc | caatcctttc  | 1174560 |
| aggcatgtct  | atacgggagt | ggacaagacc | gtcaagcgtg | ccgttccttt | atctgccatc  | 1174620 |
| aagcgtatga  | agaatctgga | cctgtcctta | cagcctaata | tggaaatttg | aagggacatg  | 1174680 |
| ttcctgttca  | gcttctatac | ccgtggcatg | tcgttcatag | atatgggtca | cctgaaaaag  | 1174740 |
| aaagatcttc  | agaacggatt | tttatcgtat | cgcagacgaa | agaccgggca | gcagctggtc  | 1174800 |
| atcaggtggg  | aaaaatgtat | gcaggagatt | gtcggcaaat | actcggaata | cagcctcagt  | 1174860 |
| ccttatcttt  | tgccggtatt | gaaatatcct | tttaaggata | tgcacaagca | ttacaggaat  | 1174920 |
| gtcatgtccg  | gaataaacag | acaccttaaa | gaaatagcca | gactggccga | tatatccgtt  | 1174980 |
| cctcttagca  | tgtactgtgc | ccgccattca | tgggcaagcg | cagccaaagg | caagaacatt  | 1175040 |
| ccgattttcag | ttatcagtga | aggaatggga | catgattccg | aggcgactac | acaaatttat  | 1175100 |
| ctggcttcat  | tggacaattc | cgtagtggat | aaggctaacg | cacaaatttt | gaaaagtctg  | 1175160 |
| taggattgga  | gaacgtttag | caaaagcatt | catttcttag | acagagggac | tcactcctgt  | 1175220 |
| gcaaagtat   | acattttatt | gaaaatcctg | caattccggc | cgttggattt | tcattccggaa | 1175280 |
| gtcattgaat  | ttcaactatt | gtttagcaat | tctacatata | attcatcagc | aaatcagcct  | 1175340 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| tatagcctga  | aatctccctc  | tgtctaagaa | agacgcagac  | accgggactt  | tctcatcccc  | 1175400 |
| tttacgcaca  | gaaagaagat  | ggagaaaacg | accggagaag  | ccgacataca  | ggagaaacagg | 1175460 |
| ctgaaagaac  | tttcacccga  | cttgctgaat | accttgctca  | aagatcatac  | aacgagtaag  | 1175520 |
| gaaggaaaac  | agtgtaacat  | attctgggct | acttctgatt  | atgaacagtt  | tggtaaagggt | 1175580 |
| tatgaatatg  | ggtcgcagat  | tcttccggag | ctgataaccg  | gagagaacgg  | tcatgtagtc  | 1175640 |
| atgccccgtg  | ttttgaaaca  | tagggaaacc | caaagcacac  | gttcccggga  | aatggcagag  | 1175700 |
| gtatttactc  | cgtcctggat  | ctgtaatgcc | caaaacaatc  | ttattgacga  | agcctggttc  | 1175760 |
| ggcagaaaaag | atgtgtttta  | ccgtgaagtg | acatccaaag  | acggtacgca  | ttcatgggaa  | 1175820 |
| atcaatccgg  | ataagattgc  | ttttcctgaa | ggcagggcat  | ggaaagacta  | tgtacgggaa  | 1175880 |
| aaccggctgg  | aaatcacctg  | tggagaagct | ccttatctgg  | taagcaggta  | tgatacgact  | 1175940 |
| accggaacat  | tcattcccgt  | ggagaagcgt | atcggcctgc  | tcgaccgtaa  | gctccgtatt  | 1176000 |
| gtcagtgaga  | atactgcgac  | aacgcgtgaa | tggctggagg  | cagccaagga  | tgcttacaga  | 1176060 |
| agcatctacg  | cctatgaatg  | gcagggcgac | agtcttcttc  | ttgcccgtga  | agcccttctc  | 1176120 |
| ttatccttca  | tcgaatatta  | ccgggacaag | ttcggtaaag  | atccgcaa    | taaattccatc | 1176180 |
| aaccatatag  | cctatatcat  | ctcctggaat | gtatggcaga  | tggacggact  | gaaagggtgtt | 1176240 |
| gtgccgggaca | gttgtggaga  | acgtgtgcgg | atggaaccaa  | gtctgttcgg  | tacgattgaa  | 1176300 |
| agacgggaac  | cgtgcgaggg  | ctgtctgaaa | aatgacctga  | ccaagcaca   | cggaaatttat | 1176360 |
| tgcatcatca  | aggactggca  | ggctacagac | aagacaacag  | gcaaaaaggg  | gaaacgaatc  | 1176420 |
| cgatttatcg  | acctcataaa  | tgaagaagca | tgagattcac  | atcgtccctg  | aaactaaaac  | 1176480 |
| ttatctatgt  | gttccgtatc  | aatgatgcgg | cacaccgtgg  | atgcctgaag  | attggcgaag  | 1176540 |
| ctacctgtga  | ggatgaaaac  | gtgttcggtc | tgtctcctaa  | cagcaaggcg  | ctcaatgaag  | 1176600 |
| cggcaagaaa  | gcgtatcaac  | cagtacacac | agacggcagg  | catcgcatac  | gatctgctat  | 1176660 |
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| acaatgtctt  | ggaacactcc  | ggtatcaaaa | agaaagtctt  | cgatacagtc  | aacaaagcca  | 1176780 |
| atgaatgggt  | catcacccgat | ctggaaaccg | tcaagcgtgc  | cattgctggct | gtcaaggaag  | 1176840 |
| gccggagctc  | cctttcatca  | gcggaagtta | cccgggaata  | ttctccgatt  | gtattccggc  | 1176900 |
| cggaaacaaca | ggaagccatc  | aacaagacta | aaaaacagtt  | cagaaaaggc  | aaccagatgc  | 1176960 |
| tctggaacgc  | aaagatgcgt  | ttcggaaaga | ctctttctgc  | cctgcagggt  | gtcaaggata  | 1177020 |
| tggagtttca  | gcgtaccctg  | attctgactc | atcgtcctgt  | ggtggatgcc  | ggatggtttg  | 1177080 |
| aggatttcgg  | taagatattt  | tacgaccgca | aggattttgc  | atacggttcc  | aagaacaacg  | 1177140 |
| gggatagttt  | tgccagtcta  | gaacggcggg | cagaaagcaa  | cgggcttcat  | tatgtttatt  | 1177200 |
| ttgcatccat  | gcaggatttg  | cgcggttccg | aacttggtgg  | tggcaacttt  | gacaagaata  | 1177260 |
| acgaggtggt  | tgctaccgat  | tgggacctga | ttatcgtgga  | tgaagcgac   | gaaggcacc   | 1177320 |
| agaccgaact  | gggtaaagcg  | gttgtgggag | agctgggtcaa | ggaacagacc  | aaagtattgc  | 1177380 |
| gcctgtcagg  | tactccattc  | aacttgctgg | atgatttcaa  | ggaggatgaa  | atctatacat  | 1177440 |
| gggactatgt  | gatggaacaa  | cgggccaaga | taaactggga  | taagctccat  | tttggtgacc  | 1177500 |
| ccaatccgta  | tgctcactg   | cctacactca | atatctatac  | ctacgatttg  | ggacgggtac  | 1177560 |
| ttcatgaatt  | tgtagatgaa  | gatgtcgcct | ttaacttcag  | ggaattcttc  | cgggtcaatg  | 1177620 |
| aggctggtgg  | tttctgtcat  | gaaaaagacg | tgcgggcttt  | cctgaatctt  | cttaccaagg  | 1177680 |
| aggacaagga  | cagcctttat  | ccatatgcca | acgaggaata  | tcggaatatt  | ttccgccata  | 1177740 |
| cactctggat  | ggtgccggc   | gttaaggaag | caagggtact  | gagtgccgtg  | ctccagacac  | 1177800 |
| atccggtggt  | ccagcatttc  | aaggtggtca | atgttgccgg  | tgacggtgac  | gaagacgagg  | 1177860 |
| aaagccgtga  | tgctctggaa  | gcggtgaata | ccgccatcgg  | caaagaccgg  | gacacaacac  | 1177920 |
| gcaccatcac  | cttgctgtgc  | ggtcgtttga | ccacaggagt  | aagcattcca  | gcatggactg  | 1177980 |
| ccgtgttcat  | gctctctggc  | tcttacaaca | cggcggcatc  | cagttatatg  | cagaccattt  | 1178040 |
| tccgtgtaca  | gacacctgct  | actattaacg | gacgtgtgaa  | ggagcaatgc  | tacgtgttcg  | 1178100 |
| attttgccg   | agaccgcag   | ttgcgtgtgc | ttgccgagac  | cgccaagatt  | tccgccaagg  | 1178160 |
| caggaaaagac | ttcacagacc  | gaccgcaaaa | taatgggtga  | ttttcttaat  | ttctgtccgg  | 1178220 |

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| atgacgaatt  | gttgaaactg  | gatgatttgg | aattgcagga | gtttgacgac  | ctgaagaaaa  | 1178400 |
| ttatcgggtca | gaccaaggct  | atgcccaga  | ccaatcaggt | ggacatcaac  | agtcaaggac  | 1178460 |
| tgacgggtga  | ggaatatgag  | gaaagggaga | agctggagaa | gaagcccaag  | aaggaactga  | 1178520 |
| ccgatgaaga  | gaagcgcagg  | ctggaagaac | tgaaaaagaa | gagcaagaac  | aggggaagctg | 1178580 |
| ccatttccat  | acttcgtggc  | atctctatcc | gtatgccctt | gctcatttat  | ggtgcggaat  | 1178640 |
| tggacaacga  | ggacgaggaa  | atcaccattg | acaactttgc | cgagaagata  | gacccgcgct  | 1178700 |
| cgtgggagga  | gttcatgccc  | aaaggggtga | gcaaacagaa | gttcaacgct  | ttcaagaaat  | 1178760 |
| actatgaccc  | ggacattttc  | cgtgctgcgg | gcaaacgtat | ccgtgcatg   | gcagaggctg  | 1178820 |
| cggacaggtt  | gagcgcggag  | gaacgcacg  | gtcgtatcac | ggacatcttc  | agcacgttcc  | 1178880 |
| gcaatcccga  | caaagagacg  | gtgcttacgc | cgtggcgcgt | agtgaacatg  | caccttggtg  | 1178940 |
| actgtctggg  | cggctactgt  | ttctttgata | aggattatga | gcatactatt  | gacgagccac  | 1179000 |
| gtttcattga  | ctacggtaaa  | gtaacggaag | aagtgttcac | ttccgatgca  | cgtatttttg  | 1179060 |
| aaattaattc  | caagtccggt  | ctgtatccgc | tttatatggc | ttatagcatc  | tatcgtacac  | 1179120 |
| ggctgaaaga  | cagccttttt  | tctgccacca | cattggagga | acaacaggcg  | ttatgggaca  | 1179180 |
| aggtcgtgtc  | agagaacatt  | ttcgtggtat | gcaagacacc | gatggcgaaa  | agcattacca  | 1179240 |
| aacggacact  | ggtaggcttt  | cgcaaagcca | aagtgaatac | ccgttatattc | gaggatttaa  | 1179300 |
| tcaatcaaat  | taagaacaaa  | cccagaact  | tcattgagaa | gatggctaaa  | ggtcgatcgt  | 1179360 |
| tctggaaagc  | taatgatgac  | gataatatga | aattcaatgc | aatagtaggc  | aatccaccat  | 1179420 |
| atcaagaaac  | attagaaagt  | ggaagaagtt | tggctaaaca | attattttccc | tcctttattg  | 1179480 |
| aaatcggaat  | caaattaaac  | cctaaatact | tatctttaat | cactccagcg  | agatggttta  | 1179540 |
| ctgcagatgc  | acaagataat  | tcatttccca | aattgcgaga | tttcttgcg   | aagaacaatc  | 1179600 |
| gtttttcgtt  | cttattttaca | catgatggga | aaaagttatt | tcctaataca  | gaattgagtt  | 1179660 |
| tggtggatta  | ttttttgtgg  | gataaggatt | attttggtga | tgtcattttt  | atagaaaaga  | 1179720 |
| ccgataatca  | aacgaataca  | cttaaacgac | ccttatttga | aaatggaatt  | gatatttatca | 1179780 |
| ttccccaaaa  | taatatcgta  | tccattattc | agaaaattaa | aagtacaaac  | tttacacctc  | 1179840 |
| ttaatacaat  | aacatctgga  | cgtgatgcat | ttggtatagt | aggtaaaaaat | tttgaatctc  | 1179900 |
| gttctaaagc  | agaatccttt  | gaaaatgcgg | tagcagtaca | atgtgcttat  | gagcaagtgc  | 1179960 |
| gctttgttgc  | tcgtgaatct  | atctctaaag | gaactgattt | cttagaaaagt | tataagggtat | 1180020 |
| tcacatcaaa  | aggcaatgga  | ggtgcaggac | tccttacaga | tggaaagcct  | gttaatatata | 1180080 |
| ttgggaaatc  | ttatgttggg  | ttacctaata | tggcatgtac | tgattctctt  | attccatttg  | 1180140 |
| gtaaatcaaa  | aaatattact  | gaagctaaaa | atttgcaaaa | atatatgtca  | acaaaatttc  | 1180200 |
| tgagattttg  | cgttggtatt  | ctgaaagtat | cacagaatct | ttatcagaat  | gtttatagtt  | 1180260 |
| ttgtcccatt  | gcaagacttc  | acagaatcaa | gtgacataga | ctggagcaaa  | tctattttcag | 1180320 |
| aaatagacca  | acaactctat  | actaaatatt | atttgactga | tgaagaaata  | gcattcattg  | 1180380 |
| agaagatgat  | aaagccaatg  | tgattacctc | atcactaata | aatatagcta  | tagaatacac  | 1180440 |
| ttcataacgg  | aaaagctcta  | tataaaaagt | gtgttaagaa | tatgggtctt  | tttcagggtt  | 1180500 |
| tatatagtgc  | ttgtcttcaa  | tgtattttgt | gaattgctgg | tttagatata  | gacaatactc  | 1180560 |
| ttgaatcgca  | atataaatat  | cgttgagtag | gtctttcgta | tattgactac  | ctacttcaca  | 1180620 |
| agctgtttta  | cgaccatgtg  | ctattgcatt | cctgttatct | gcaatcgtgc  | ttaattttatg | 1180680 |
| cccaacatca  | ggattgttta  | tcgcaggaaa | ctctgcccc  | aatacttggc  | aaatctgttc  | 1180740 |
| tatttgctgc  | cttttcaaat  | tcccagattg | tgctggcatt | aatgtattta  | taatgctgct  | 1180800 |
| tttttcttcg  | tccttaatac  | gattgaataa | aagcaaccgt | ttaatccatt  | ttttatctga  | 1180860 |
| agcttgatat  | agagcatcac  | attcactatg | taaaagcaat | gaaagaagag  | aaggtttcag  | 1180920 |
| atgagtaact  | tgaacgtgtt  | ggtcttcatt | gattttgtca | ataaccctcg  | acaccaaatt  | 1180980 |
| acacacagta  | tactcaatag  | ctccatatag | attcacaag  | aaagaacctt  | tatataattt  | 1181040 |
| ttctttgaaa  | atctcctgtg  | gagtactgtg | agattctgca | atgttatcaa  | gataccattt  | 1181100 |

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| gaaaacttat | cgaacaacaaa | tttgattcta | tttacaaact | ttggtttgga | gttcgttgct  | 1181220 |
| ccggttatta | gcttactaaa  | ttcagggcaa | gaaacccaat | cataaaatgc | ctcaatgttc  | 1181280 |
| aattcttgag | taccccctaa  | gatggtttcc | gcagcaccaa | ctgctactgc | ctcaaacaat  | 1181340 |
| actacagatg | ttgagttctt  | gccagcaccc | ttaacaaggc | catatggtaa | gcgatttaat  | 1181400 |
| tgagcgaaa  | tttctgtgaa  | aatttgctct | gcttctcgat | aattaaattg | acgagaagcc  | 1181460 |
| ttctctgcat | atttgtttaa  | gaaatctttt | acactatggt | caaatgcgtc | cttatcatat  | 1181520 |
| atacatgcaa | aaaatctaag  | cacaaattct | tcagcagttc | catctgtctt | ctgctggcta  | 1181580 |
| tttagtttta | cagtattgac  | gaaatttggt | ttttgagata | aatctttaat | gaaattgata  | 1181640 |
| aaatcgccct | tgaaaataca  | atttcgtatt | tcctgatctg | taagcttaac | gcctccagta  | 1181700 |
| ttaagacgtt | caaacaaatc  | aaaacggact | aatttgtcac | tcttatcgct | aagtgtata   | 1181760 |
| accttaaatg | gttttaaaag  | aaattctctc | tgtagagtta | aggataaatc | cttgaatttc  | 1181820 |
| tttccgacaa | agttggtaaa  | tttttcaagg | tcaatcaatg | tcagcggagt | cgctttacct  | 1181880 |
| atttttctcc | gttctgggtg  | atcaatatct | gaaacgaaat | taaccacggt | acttagacgt  | 1181940 |
| tgtactccat | ctatcacttc  | ccatgttcca | tcagaattag | tagccataaa | caatgacgga  | 1182000 |
| acaggaatgc | ccaagaacaa  | agattctaca | agccgagatt | gacggtcgtc | acccaacga   | 1182060 |
| aattgacgtt | gatagtctgg  | agatatatta | ataatgtcgt | ctgaaatcat | tgacacgagt  | 1182120 |
| tcttttaggc | tcatgtcgtg  | tgtattgaaa | tcgactttgc | gcttctgctc | atttaattgg  | 1182180 |
| ctttgtaaat | ctggcataatc | tttgctaatt | tttgagcaaa | gttacaattt | tattttgatt  | 1182240 |
| tccaactatg | tcataggtag  | ttgcgttatg | tgtggacgta | aatatttgaa | ccgtttgact  | 1182300 |
| cataacctgc | gttattttat  | atagttttta | tagcttttgg | ggatagaggt | gttggttaaca | 1182360 |
| acgaagaaat | tactaccttt  | gtatttgaaa | gaagcgttct | tttaattagt | gcagaacatt  | 1182420 |
| gcagaatata | gaagcccact  | ggtttctata | tcgttacctg | ttaaactgat | aattcttgca  | 1182480 |
| agttgcttgt | tctcaacgag  | taataaaact | taatattgct | tgagcaatga | taagtcaaat  | 1182540 |
| tctttttaat | accacagaca  | tcaccgattt | cttttaagta | actgttcac  | ttctgattgg  | 1182600 |
| ataatatagg | aagaagttaa  | ccatccttag | ttcttcctct | atacttttca | ataatcatgg  | 1182660 |
| ccggaatatc | aagcaacaaa  | atattacttg | ggacttttgt | cttctgacgt | gtagtcatta  | 1182720 |
| tccatcgttt | accattaagt  | gtgactatat | tgtcttgtgt | tagatttgcg | acatctatat  | 1182780 |
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| cctggaaaga | tgtagaaatt  | tcatccaatt | gagcattaat | acacaatgct | tcctgtgtac  | 1183380 |
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| cattacttta | catcggcttt  | acatctaaac | ggcctaaccg | cgggctttta | atgcgttttt  | 1183920 |
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| gaaaaacaag | cggtttcaga  | atccctctct  | taaatgttaa  | aaaaaggggt  | gggcatacct | 1184100 |
| ttgggcatac | tagttgggca  | tacccttttt  | tattcatttt  | atgcgtaaaa  | taaaaagttg | 1184160 |
| ggcatacctt | tttaactggt  | tttaagtcgt  | gtatttggtg  | ggagattgcc  | ttttgtgtgt | 1184220 |
| gctattaatg | cgttttaatc  | tatatattga  | tatagatagt  | attatatatt  | ttcgcattga | 1184280 |
| ttatgctgta | aaattaatgt  | aagttactga  | tttatagtgt  | ttatttggtg  | ggtaatgcgt | 1184340 |
| atttttacgg | tgaaaacgtg  | tgtgtgcgtg  | tagaaatgat  | gcagaatagc  | ataatcagga | 1184400 |
| tagtgcgga  | gagctcccg   | gtaagctgct  | tcagattccg  | gttcgagtc   | ggattctgcc | 1184460 |
| ccaatacttt | ttggaatttg  | cgtttttata  | ggtatttggt  | ttaaggtgaa  | cgctcccggt | 1184520 |
| gaaagtccgg | gagcttttta  | ttattgtttc  | aatcgccctt  | taaataccaa  | ttaagcgtta | 1184580 |
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| atccatcgta | atggagaatg  | tactttcttg  | aaaagtaaga  | gtccacctta  | aatacacaat | 1184820 |
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| atcagaacag | cttgaataaa  | acattggcaa  | aatcattgcc  | agaattaata  | atagtttttt | 1184940 |
| cattttactt | atagtatttg  | tttgcgttaa  | aagaatttcc  | tgatgcttcc  | caaaacagca | 1185000 |
| tatactttta | ggatcatgct  | gatggggatt  | tcctgttcgc  | agaactcttc  | gctcttgttc | 1185060 |
| gaagggatga | gccggacaaa  | accttctttc  | tggcttaacc  | gtattctctt  | tactgtgcgg | 1185120 |
| tattcttctg | taacgatgcc  | gtatatttct  | ccggctggga  | gatactgaat  | aggtgtcggt | 1185180 |
| acttcacgaa | gtgcgataat  | gtcaccattg  | cttatctctg  | gtcccatgga  | gtgaccgggt | 1185240 |
| aggttgacc  | ataccactcc  | aggttgatta  | tagggaggat  | aattaatgta  | aaagtcaggg | 1185300 |
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| ctgagcatgt | tgcttcttcc  | tgtgaaggagc | caattttatat | ttatatcgaa  | acttcttgcg | 1185480 |
| attttttcca | gaaagtcagc  | tttaggcatt  | actccgtttt  | tgtaatctct  | tacattagct | 1185540 |
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| agcgaacatt | cagcagacaa  | caggtctgca  | agtattctac  | aatgaaaacg  | aaaatgtgaa | 1185840 |
| cgtaaggaca | caagtaatca  | atgatgaacc  | ttggttcgtt  | gccaaagatg  | tagcaatggc | 1185900 |
| tttaaatatt | acttgagtg   | gccacacgtt  | agacaacatt  | cccgaagaat  | ggcaggggat | 1185960 |
| ggtaaatctc | accacccctt  | gcggaaatta  | tcaaggtggt  | ggtcttcaaa  | ccttgaaagt | 1186020 |
| gattaatgaa | gcagccgttt  | acaaactagc  | tttccgaagc  | aacaagccgg  | aagccgacag | 1186080 |
| gtttgtcaac | tgggtaaccg  | gcacagtgtc  | tcccagcatc  | cgacgaaccg  | gaagctactc | 1186140 |
| gataagcaat | aatcgtccgg  | aaagcacgaa  | tcgtcttccg  | cttcccaagt  | tccgtccgta | 1186200 |
| tttcggtcag | tggaaagaaa  | acgtgaagcc  | ctacatcagc  | cgtgcggagc  | tttgccttac | 1186260 |
| agccgagaag | cagcgtgtca  | cgctggggca  | tgtgcagaag  | gtgtatgccg  | gaacctcaat | 1186320 |
| gagttatccg | gttgcaaaat  | gcacccaggc  | tctggcaaa   | aaaaaccgtc  | aggaaggacg | 1186380 |
| cacctatccg | gagaagaaac  | ccgcttacga  | acaactttgc  | atcacgtggg  | aggaatgaag | 1186440 |
| atgtctgacg | taatgattga  | catcatttctg | tggggtcttc  | ctcttttatg  | gattctcgag | 1186500 |
| atttgtttgc | ttttgatatt  | agaaggaaaa  | tcaggaaacc  | gagagagaaa  | agcacaagaa | 1186560 |
| gtcgaacgaa | acaatacttc  | aagtcagctt  | cattcccaaa  | agcaatcctt  | atccattcag | 1186620 |
| aaaaagcaac | tccagccagt  | aagcctattg  | aaagaaggaa  | agcgtcggag  | tgcttcatca | 1186680 |
| cggaatgta  | gaaacaggcg  | aaagtaccga  | cataagaaat  | cccgaaccg   | gaagaaatca | 1186740 |
| gaatctgggt | gtaccactct  | aatgattgga  | acgaaggaa   | tccgaaatat  | aaaagtggat | 1186800 |
| atacaatcag | tgtacaagcc  | acaaaagcga  | taagggtctt  | acggttaactt | tccgataaag | 1186860 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ccagataaat  | agattcaaga  | ttcataatca  | aaataaagtt  | agtttgttta  | gcatcgctac  | 1186920 |
| aaatgtagca  | aaaccgttcc  | ggttcgtgag  | aatagggacg  | gacttttaac  | cgaataataa  | 1186980 |
| cgataaaaac  | aataacgaaa  | tggcagaaat  | attaatgatg  | tacggcgaac  | gccgaaagtt  | 1187040 |
| agctgaaaag  | ttcagcgtaa  | gtgaagtaac  | agtacgtgac  | gcactgaagt  | ttagaacccg  | 1187100 |
| aagtaatgtg  | gcgaacatga  | tacgtaaggc  | tgctcttgaa  | atgggaggtg  | tattgaaagg  | 1187160 |
| cgcaagaact  | cttcgagagg  | taatagagaa  | agatgaaaac  | cagtcagaaa  | attagaataa  | 1187220 |
| agatgggata  | taacggtaaa  | ttatcaacac  | aagggataaa  | tattctgaag  | aatatctact  | 1187280 |
| tgtccaatcc  | tcttatagaa  | tttacagaaa  | ttcaaagaaa  | atataatcag  | gaggcaaaga  | 1187340 |
| aatatggttt  | aaatcaaatt  | aatcaagta   | gtaccgtggc  | taattatctg  | gttagaattg  | 1187400 |
| gtgtatatga  | aaagtcata   | agaagaagca  | aagaggaatt  | tgacggaatc  | agaagaataa  | 1187460 |
| aagcaagcgg  | tgaacttcag  | aaagaaatat  | cctcaaaact  | gaaagttaca  | actcgttctg  | 1187520 |
| ttttttcagc  | tctgtcatac  | gttaccaaca  | gccctacggc  | aagacttatc  | cgttcgtatg  | 1187580 |
| ccttgaatca  | tggagcaaag  | ctctatgagc  | tgaaggaaat  | ggaaaacccg  | tatgaggaag  | 1187640 |
| ttattcaact  | gtaatttaca  | accaactgca  | taagtgatga  | atcattgcca  | ttccggttcg  | 1187700 |
| cgagaatagg  | gatggctcca  | aactcaaaac  | catagaatca  | tgaaacgaat  | caatactact  | 1187760 |
| acacgtaacc  | tgctgctgat  | actgacagcc  | gcattgacca  | actgccttat  | tgatggcacg  | 1187820 |
| atgaacctga  | tagttacaat  | cttcctttgc  | ctggcactta  | tccaacggc   | aaggcgcatg  | 1187880 |
| gacagagaat  | cacgtaacca  | gtaatacaca  | cacggcttgc  | agaacttcat  | cagggtggctg | 1187940 |
| ccgtccgggt  | tcaagtccc   | gagccgggct  | acaatcttaa  | cgaattaatc  | atggaaatgt  | 1188000 |
| acggaaacac  | attatgcgtc  | agctttacgg  | agcttggttcg | tggtggcatt  | atcagtaagc  | 1188060 |
| ccacttacga  | caagtatgta  | cgtgaaggca  | agcttaccct  | ccttcagcgg  | ggaggtaacg  | 1188120 |
| gacgcgaggc  | tctgatcgcc  | taccgctcca  | tgccggaacg  | gctccgtgca  | gcatacgatg  | 1188180 |
| acacatttaa  | gaatgcatac  | gaggaaatga  | aacagcgtga  | gcaggaaaag  | tacatcaaca  | 1188240 |
| cacagatccg  | cttcgatgcc  | gatgcggtac  | gattcttcaa  | ggagtttgag  | ccgagcatcg  | 1188300 |
| agttatccag  | acagatggaa  | tacatcctga  | acgcccagg   | gatgaacgag  | atggtgctga  | 1188360 |
| cggagaaggc  | acgcagtgtg  | gaacatgcca  | aaggagggtt  | tgcccgtcgt  | gcggaacat   | 1188420 |
| ggagcagcgt  | gcagatctgc  | tgtgagcgtc  | tccgcgaaat  | tacaggccac  | acactgccga  | 1188480 |
| aaaatccggc  | ccgtctgcgc  | gagaagttca  | atgcttaca   | gcgtgaggga  | tatgtggtac  | 1188540 |
| tggttagcgg  | taatctgggt  | aacagtgcgg  | ccgcgcgc    | tggttaaggcc | gaagggtgctc | 1188600 |
| ttctgctgaa  | gcttcgccgg  | agcaagttcc  | cggctctacac | cgatatgcag  | ctctttgaa   | 1188660 |
| aatacaaccg  | tcaggcgggtg | cttcgcgggc  | tgaagaccat  | caagagtcct  | accacgatgc  | 1188720 |
| acacatatct  | gaatgatccg  | gcggtgatgg  | tatggtggta  | tgccgcagta  | aatggagaaa  | 1188780 |
| gggaattcaa  | gaacaagtat  | atgcctactt  | tcgacacagt  | gatgccgcag  | atgccgaact  | 1188840 |
| cgttgtggta  | ctccgatggt  | acgaagataa  | acctttacta  | ccgtgcgtac  | gacgaacgtc  | 1188900 |
| aaaagcgatg  | ggtggcacga  | accaccgatg  | tgtacgaggt  | gatggatgcc  | tgtacggaac  | 1188960 |
| tgttcctcgg  | ctactttatc  | ggtgacggcg  | aaaacttcta  | caaccagtac  | atggcgatcc  | 1189020 |
| gcatggcact  | ccagacctgg  | aaggtgaagc  | cttacgagat  | agtaaccgat  | aatcagggag  | 1189080 |
| gtcacaaaaa  | gctggccgca  | cagggtattct | tcaagaagct  | atgtcatctt  | cacaaaacca  | 1189140 |
| ctatgccgca  | caacggtcag  | agtaaatcca  | tcgagtccgc  | tttcggacga  | ttccagcagc  | 1189200 |
| aggactttca  | caagctttac  | aacttcaccg  | gacagaacat  | tacggcaaag  | aagttgtcta  | 1189260 |
| gccgtgcgaa  | catcgacatg  | gtcatgtcaa  | acatcgaccg  | cctgcccaca  | ttggaggaac  | 1189320 |
| tgaacacagca | gtatgccgac  | tgccgcgaag  | aatggaactc  | gatgcagcat  | cctaccagcc  | 1189380 |
| ctaccggcat  | gactcgtttg  | gaaatgcaga  | cagccataga  | gaaccgcgag  | gcacaggcac  | 1189440 |
| tggtatgaata | cgaagcacat  | gaaatcttta  | tgctcttctc  | tcaggctgcg  | gtgcaataca  | 1189500 |
| ccaaggaagg  | cttcaacttc  | cgcatgaaca  | agcaggaata  | cagctacatg  | gtgtatggag  | 1189560 |
| acgacgggct  | ggtggatatg  | aacttcacc   | ttcagaacgt  | gggccgtcag  | ttcctatatc  | 1189620 |
| gctacgatcc  | agaggatatg  | acccgcatcg  | aactttgggc  | ggtgactgac  | acgggagcta  | 1189680 |
| agtatgcggc  | aatagctaca  | ccgaaagtca  | ccattcaccg  | tgccactcag  | gaacgaaccg  | 1189740 |

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|            |            |            |             |             |            |         |
|------------|------------|------------|-------------|-------------|------------|---------|
| acgaggaaaa | cgcttatctg | tttgcgcagc | tggatgccaa  | ccgccgcaca  | cgtgcagcca | 1189800 |
| tgcacatcgc | acaagaggat | ctgtttatgg | aggaagccat  | gagcgaggca  | tacaccacgc | 1189860 |
| tccgcattcc | gcgtccggtt | gcggtgagcg | aaaagcagct  | tgacggatac  | cgtgaggaaa | 1189920 |
| tgaagaaagg | cacactggaa | gctccggtac | agatgcccg   | cacggacatt  | ccggaagagc | 1189980 |
| ctgtactggc | agacgaaccg | ctgactttcg | catcagccgg  | tgactggaca  | aagaaagtat | 1190040 |
| cgaacactac | gttcgatgaa | ctggatagtt | tgggaaaatt  | ctaactgatt  | gattaaacga | 1190100 |
| tacttaaata | cctattaaac | aatgaaagga | ttaacaacag  | aaatgaaaga  | acaggtgcgc | 1190160 |
| agcgactga  | ttgcttattg | tgaaaattac | ccgaccgcga  | accgtgcggc  | agaaagtctt | 1190220 |
| cagagcgtaa | gtgcagccac | ggtgagtcag | ctttgtaacg  | ggaaatatga  | actgatcagc | 1190280 |
| gacgatatgt | ttacacgtat | cgcggttcag | attggatttg  | cgtttgattc  | ctggacgctg | 1190340 |
| cacgagggaa | agactttcaa | ggaaattact | tatgcgctga  | ccgacgcaca  | ggcatacaag | 1190400 |
| aacgtgacat | gggttggtgg | agatgccgga | tgcggtgaaga | ctacggcagc  | catcgaatat | 1190460 |
| cgcggtacgc | accgcaatgt | gttctacata | ctttgttcgg  | aagatatgcg  | ccggagcgac | 1190520 |
| tttgtgcgtg | agatagccaa | gcaggtaggc | gcacctaccg  | acacgaccaa  | ccttcgtgac | 1190580 |
| atgctggaga | atgccatcag | catgatttct | ttccttgga   | acccgctgct  | agtgttcgat | 1190640 |
| gaaggcgaca | agctgacaga | cagtgtatct | aattacttta  | tcagtatata  | caatcgtctt | 1190700 |
| gaaggacact | cagggattgt | attccttagc | acggactata  | tcaagcgccg  | tatggaatct | 1190760 |
| ggacttcgat | ataacaagaa | aggttacaag | gaaatcaaca  | gccgcacgcg  | acgacgtttc | 1190820 |
| tttgatgttt | caccaactga | tcagaatgac | atctacgcta  | tctgtcaggc  | taacaacttg | 1190880 |
| accgaccgtg | ccgatataga | agaggtgctg | aaggatgcc   | agcgaagcga  | taacgacctt | 1190940 |
| cgcgcgtga  | aacgatgcat | ccatcgccaa | aagcggatga  | ttgaagcccg  | cctgaagaaa | 1191000 |
| ggaggcaaca | atgaatagag | aggaaactac | accgccccca  | cgcaagaagt  | ttactttcga | 1191060 |
| ccgcaacgca | aaaggtgtcc | gtgagcttct | gtccatgaaa  | ttcgatgtaa  | tgcagttcga | 1191120 |
| tgggccctgg | tatgatgctt | ttggcactcc | ggagcgcaga  | ggagtctgga  | tcatctgggg | 1191180 |
| aaattccgga | agcggaagaa | ccagttttgc | cctacagctc  | tgtaagtatt  | tgtgtcgttt | 1191240 |
| tgggcgcgtg | gcctacgata | gcatggagga | aggtgcttgt  | cgcactatgc  | aggatgccat | 1191300 |
| caggcgtaca | ggaatgatgg | aagtcaacaa | gaagttcctg  | cttatcgata  | acgaggatat | 1191360 |
| ggatgaactc | agcatccgac | tttgccgaca | gaaaagcccc  | gatatcgtgg  | taatcgactc | 1191420 |
| tttccagtac | acccgaatga | cttaccgaca | gtacatcgac  | ttcaaggaaa  | gacacaagcg | 1191480 |
| aaagctgctc | atttttatca | gccatgcaga | aggacaactt  | cccaacggac  | gcgctgccaa | 1191540 |
| aggagtgatg | tacgatgcc  | gcctgaaaat | ctatgtggaa  | ggtttcagag  | ccttttcaaa | 1191600 |
| gggccggttt | atcgggccag | tcggttacta | tgacattgtg  | ccggagaaaag | cccggcaata | 1191660 |
| tcacggagaa | gaataatcta | acacatacaa | tcatgaaaac  | aacaatgaaa  | gaacgccccg | 1191720 |
| taacccccga | gcagatcaag | gactgcaag  | cccagtttca  | caagatgggg  | ttcagtgaag | 1191780 |
| aagaccgtca | cgggtttatc | agccagttta | cttctggccg  | caccgacagc  | actgcagggc | 1191840 |
| taaccaagga | agaagccgga | ctgctgctaa | cccgtttcaa  | caaggagtca  | gccgaccgcg | 1191900 |
| ttcgcaagga | ggcgcgtgcc | ctagtgaaac | agatattctc  | cctttcgttt  | cgtattttct | 1191960 |
| gcctgaaccg | taactatacg | aacgaaacac | cggaggattt  | tgaaatgaac  | aaagcgaaga | 1192020 |
| taaaccagtt | ctgccgcaca | cgcagcaaat | tccgcaagaa  | cctgacggaa  | atgtcgctgg | 1192080 |
| cagaactaaa | agaagtgaag | cgacagtttg | aggcaatggc  | aagaaaggag  | gagaaatgag | 1192140 |
| aaaacaatca | gaaataaatc | gggcaataga | gcacttgaag  | gcttatacag  | acgcagcgag | 1192200 |
| ccgaatacag | gtggaagtcc | tggaaatgaa | gcgcagcgaa  | acatgggtat  | tcaatcagta | 1192260 |
| tgtgcgcgac | gttccggaag | acgaacgaaa | cgaaactctg  | ttttatgccg  | cacgggatgc | 1192320 |
| agcccagttc | ctcgcaggaa | agatcgggtc | cagttctatc  | tgtccggatt  | tggaagatga | 1192380 |
| accggaagaa | gaggaggagc | aggatgaaaa | tattacgcta  | tcacgcaagg  | aatacaataa | 1192440 |
| tttattgaaa | cgtctggagc | gtgtagagag | aaagcttgga  | cttaaatcac  | agattaatcg | 1192500 |
| tataagccgc | aaactgggtt | cggaagccga | tccggaggac  | ctgatgtcgc  | aggctgatgc | 1192560 |
| gtgcagatac | atcggctgcg | gaaagactac | cataaagcga  | tgggcagaca  | gaggatttct | 1192620 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| gactggctat  | aaggacggac  | agcggatatt | ctattcaaaa  | aaggaaattg  | ataaaagtaa  | 1192680 |
| agttgtaaaa  | gagcaccgca  | taacggtagc | agaaaggcag  | gaggaaaatg  | gaacagacaa  | 1192740 |
| tcgaacaaat  | ccagaatgac  | attatgagcc | gcatgcagaa  | gtttgacttt  | gccgatcagg  | 1192800 |
| tattcattct  | gcgggaactg  | gaaaatttct | gcggacagca  | ggcagacgaa  | gcacttaaga  | 1192860 |
| tggaatatga  | tatggcagca  | atggaggata | tgaagatga   | gtaacagaaa  | gaaatatatt  | 1192920 |
| gtatggagaa  | ttctttatta  | ctattctgac | aagccaagta  | aaagtatccg  | catatgttgg  | 1192980 |
| cggacaaact  | ctatcacgaa  | tttaagaagg | atagtacaag  | cccttaatcc  | agatgtaaaa  | 1193040 |
| atacgtttat  | gctatacaga  | atttaaataa | caattaaaac  | tttaattaaga | tggcaaaaag  | 1193100 |
| aaccaagaaa  | acagtaatca  | gcggagtaag | ccgcgaacag  | tacgaacagg  | catttgccga  | 1193160 |
| attcgccatg  | gccgatgcga  | aagcgcagtc | acttaccgct  | aagatggatc  | aggaaatgac  | 1193220 |
| aaagatccgt  | gagaagtatg  | ccgaccagct | ggccgagctg  | aatgaaacga  | aagaccgtac  | 1193280 |
| ctttgaggtg  | atgcagacct  | acgccaccga | aaacaaggat  | acgctgttca  | gcaaaaagaa  | 1193340 |
| aagtctggaa  | tctgcacatg  | gcattatcgg | attccgtaca  | ggtaatccga  | aactgaagaa  | 1193400 |
| ccggaaaagg  | ttcacctggg  | cagccgtaac | aaacttatgt  | aaagagttcc  | ttccgcaata  | 1193460 |
| cattcgcaact | acggaggaac  | tggcaaagga | taagctgctg  | gcagatcgtg  | acgttccgga  | 1193520 |
| agttgctgaa  | cagtttgcga  | acatcggcgt | agaggtagt   | caggacgaat  | ctttctatgt  | 1193580 |
| ggaacccaaa  | aaggaaagcg  | atgcggtcca | aacggcctaa  | gtacagttat  | ctccgtcgcg  | 1193640 |
| gtaatctttg  | gattgtgtat  | cgtaatgaat | acacggattc  | tacgtgtata  | ggcactccca  | 1193700 |
| ttgcggagtg  | ccgttccaaa  | gaggctgcac | gggataagg   | ttatcaactt  | aatggatgga  | 1193760 |
| agaaaaagaa  | ttatggctga  | acttactttt | aagacaaaca  | tccggcgcg   | caaatggccg  | 1193820 |
| cgctggatga  | aaaagctgca  | cgagtacatg | acccgtgtaa  | ctcaggacag  | agagctggaa  | 1193880 |
| ccaacccgtg  | atgaattcct  | tcgcctgaaa | atgattatgg  | aaggggtgat  | agagaatctg  | 1193940 |
| aaagatgagg  | aacacgcacg  | ccgggcttcc | attcgtgtat  | tgctcggaga  | agacaataac  | 1194000 |
| cggttatctc  | tgatagtaat  | gcgaagcaat | ctggtaataa  | catcttatta  | ctcgaataat  | 1194060 |
| gaataaacgt  | acacaaatca  | ttcttttcac | agccttttct  | gtcattatag  | ggccgctggt  | 1194120 |
| tatccttggg  | ttcattctga  | attttacagg | aaaaatatct  | ggaatacttg  | gctggctctg  | 1194180 |
| ctggatggaa  | ccacgaatgg  | cacggaaagg | atgggatgaa  | ctaatacaaaa | aaataaaaaga | 1194240 |
| ctcatggagc  | acgaattagg  | agaaacgttc | acctggcacg  | gacatgcgct  | cgaagtagtc  | 1194300 |
| gaggtgaaa   | acccggaaga  | cccttgcaac | ggatgctggt  | tttttgagca  | cgccataagc  | 1194360 |
| tgctacggga  | aaggacttga  | atgtatggac | gattcgagaa  | gagatcacac  | taacgtaata  | 1194420 |
| tttaaacat   | caacaaaaat  | agaagaatta | tgatgcacaa  | ttggtttaca  | tgcaaaaatcc | 1194480 |
| gttatgagaa  | aacaatggaa  | aacggaatgc | agaaaaaagt  | aacagaaccc  | tatctggtag  | 1194540 |
| acgctctcag  | cttcacagaa  | gccgaaagcc | gtattatcga  | agaaatgaca  | ccgtttatca  | 1194600 |
| gcggcgagtt  | cgaagtggct  | ggagtgtcta | aagcaacta   | caacgaactg  | tttccaagtg  | 1194660 |
| aagaggagtc  | tgctgtatc   | tggatataag | gcaaaccttg  | gtttatcaca  | ctcgacgaaa  | 1194720 |
| agagcggggc  | agaaaagcgt  | acctccttta | atgtgctggt  | acaggcttcc  | gaccttcgcg  | 1194780 |
| atgccatcaa  | gaagctggat  | gaaggatga  | aaggcacttt  | ggccgactac  | gtgatagcct  | 1194840 |
| ccgtacagga  | aaccgccatt  | atggacgtgt | atccatacga  | agcagaccca  | gatgtgaaac  | 1194900 |
| ccgaatttga  | aaatgcagac  | agaagatgaa | aacagaaaag  | acctatatcc  | atcgccgcgt  | 1194960 |
| atgcctctgc  | cgccagtgcg  | gaggaaccgg | cacagttacc  | gtttatgcag  | aaaaagattt  | 1195020 |
| tcggcatgag  | taccagaac   | agaaagtatg | tccgcaatgt  | cagggcagcg  | gacgtatctg  | 1195080 |
| gctcagcgga  | acagtaatca  | aacagattga | accctatgca  | gaaccagaac  | cttgatctgt  | 1195140 |
| tcaagcctcg  | caggggtggca | gcgaaagtcc | attacagcat  | aatcagtcag  | ttcatgttcg  | 1195200 |
| tttgatcaa   | gcacagccgc  | ccatgcgact | tgaagggtgca | gcgttcgaag  | cagagccccg  | 1195260 |
| aatactggg   | catctgttc   | gatgtagaaa | ataacgacac  | tatcgacatg  | atgtgtgatt  | 1195320 |
| taaagaacag  | tttaaaaatt  | gagattatcg | atttatgaaa  | gaaaaaaatc  | aaaagaaagt  | 1195380 |
| atacatctct  | ctcccaatta  | caggacatga | aaacttagca  | aagttacgtg  | cggagtaag   | 1195440 |
| acaaaaagaa  | ttacgacaaa  | aaggatttga | tccagtaatt  | ccttttgatg  | cgtcgccaga  | 1195500 |

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|             |             |             |            |             |             |         |
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| agtctaattcc | tagatcatgg  | aaaaaatttg  | atggcaatta | tcaaagcaaa  | gcttatcgag  | 1195980 |
| atagaatgat  | gtctgaactg  | cttaaaaatg  | acaaatatat | tgaagactga  | aacaataaat  | 1196040 |
| tcccgcacact | caatactgaa  | tgccgggaat  | ttctgtttct | aaagccctcc  | cctaaagatt  | 1196100 |
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| caatatatga  | ataagataat  | gtccgctttt  | ttttgtactt | ttgcgataaa  | gtcagcagga  | 1196220 |
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| tgccagcgcc  | gatccgcgcg  | tgacggaacg  | catcgcccag | gcagaacggc  | agctgacgct  | 1196460 |
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| agacagaaaag | aagttgaaca  | ggtgcgcatac | aatcttgtcc | agcaaatcga  | agcgttccag  | 1196640 |
| cgatccctcc  | tgaacatac   | tcccgtccct  | tgcgtccct  | ttccatttcg  | taaccacatg  | 1196700 |
| cagccggaac  | ggaacgtctg  | cctgctgggt  | ggttcctccc | agcgtgcgcc  | actgtacggg  | 1196760 |
| ccggaattcg  | ataaacaccg  | ccggggtgtc  | gaacgggtct | tcctgctcga  | tgaattccac  | 1196820 |
| ctgctcgttc  | cacaggtcta  | tgtgtcggat  | aagcggctgt | ccgctttcgt  | ctttcagttc  | 1196880 |
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| ctggcatacag | gttcagtcgt  | ttcaatcacc  | acactgtcgc | ggctgggtgat | acgacctgta  | 1197300 |
| atgcttcggc  | gcagggtttcc | ggtctggaca  | agcagtccac | gactctcatc  | atcggttgat  | 1197360 |
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| caatgaggca  | ataacagacg  | tggtaatcaa  | attgtcagga | taagcatact  | tgggtttttt  | 1197840 |
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| gccgttttca  | tacatgatat  | tggcattggg  | aacaatgtat | gtatgttcag  | gagaatatgc  | 1198020 |
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| tctctttata  | ttcgccaaaa  | tagagaatgg  | aggattgtct | accaccacgc  | atccgtccgg  | 1198140 |
| ataatctgct  | gcctgataat  | ctgcaccagg  | ccagaacggg | cgtactattt  | tctgagtgtt  | 1198200 |
| gtctatatgt  | ccattgtcta  | taagccatcc  | tattacttcg | tcataaatgt  | aagaagggtgt | 1198260 |
| gtagcaatca  | tctgttgttt  | ttttaggttt  | gaatttttca | acaaatcctt  | cgtaatcggt  | 1198320 |
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| gaactgacac | ttcccgtcca  | ccagttccct  | gattacggca | aaggaatcct  | catcggtat   | 1198560 |
| acggatgcmc | aggtaatgat  | atttcatgac  | catgggattt | cctttttcat  | ccgggcmctt  | 1198620 |
| caatacgtgt | tcggcatctt  | tcagcagata  | aatcagggtg | tagacagctt  | cattctttgc  | 1198680 |
| ccttacatac | ttgtggggct  | ggttcaatgc  | ttccttgatt | ccgtttgagg  | tgaattccac  | 1198740 |
| tggattctgt | attccctgca  | ccagcacggt  | tttgccgacc | agattctctt  | tggcccactg  | 1198800 |
| acggacagcc | ttacgctgtt  | cctgcaaccg  | ctcttttccg | gcacgcattt  | cttgaagcag  | 1198860 |
| cctgcacgcc | cggcatacct  | cattgtccgg  | aatgtcggct | gccagcttca  | tcttgtctgg  | 1198920 |
| acgtacttcg | cactgggttg  | atttgcgcaa  | ggtgtagccg | ttgtatgccg  | ggaagggtgt  | 1198980 |
| catccgcttg | ccagggttga  | acatgaacat  | ttcctgatac | tttccggcgg  | tggcctgact  | 1199040 |
| gcccagggtt | atggcttcct  | gctcgttgct  | cacgggggat | ttgtccttgc  | gtacctgcac  | 1199100 |
| cacggtgcat | cggcatcccc  | atccgttggg  | cggaaaatat | ttgtcccaga  | acgggctggt  | 1199160 |
| tatcggaagg | gtgatgttat  | gcagcatccg  | gtgagtacga | cgtaccgcgt  | tgtcgtacat  | 1199220 |
| ggtccggtac | tggaggttat  | atcggtcgcc  | atcctgctcg | aatttcttcc  | atcgtgccgc  | 1199280 |
| catcagtgcg | gatgcctggg  | cgaagtgtga  | ttccgtacgc | agatactgca  | cgttgtaggc  | 1199340 |
| atcatacacc | ttttgaacat  | catttaagaa  | ctgattaaac | ggcttgcggt  | ttccttcttc  | 1199400 |
| atccagcagg | gaggggaaag  | cctcgttcag  | ttcgtggaag | gtcttgatac  | cgctgaacac  | 1199460 |
| gtagtccgat | tccttcagac  | gctgcacgga  | aatgtcgtcc | agcgggtact  | ccttcaaggc  | 1199520 |
| ggtatctacc | gctccgtcca  | gcagtcgga   | atgggtgcgg | atgaaacgct  | gcacctcttc  | 1199580 |
| ggtggtcagg | ctttcgggcg  | agatttctgc  | ctgctggtag | agccatccca  | tgagcagcat  | 1199640 |
| ccatccggct | tctacggtgg  | gaaactccat  | taccacgtct | gtttcctcat  | cctcttctgc  | 1199700 |
| agccagttta | agaatttcgg  | cgtaccgctg  | atgcagcccc | ttataatcgt  | cggggcttag  | 1199760 |
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| agcgggatgt | tgtatttgtc  | gacaaagtat  | ttcggatcta | cttcgtaatg  | ctcaagcagc  | 1199940 |
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| cggaaacctt | tcagcgggaa  | tccgtgacgg  | atcatgcggg | ggatgagctg  | ccagttcacc  | 1200060 |
| aggtcacgga | tgaggctggc  | atctttctga  | atcaggtttt | ccagcatctt  | gcggtgtacc  | 1200120 |
| tcgctctgcg | aaaggctggc  | cccgtcttcc  | atggctcatg | tcacggtaag  | gattcccttc  | 1200180 |
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| gtgctttcct | tcaggctgac  | ggtagtacct  | tcggggaata | gtccataggc  | ggctgctccc  | 1200300 |
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| gccacacgga | gcggcatgcc  | gaatatctct  | ccgaacatat | cccagaacga  | acacatgttc  | 1200420 |
| tttttaggaa | tggctctgctg | ggcgcatctt  | agatacagac | ccagattatg  | cgtgcctccg  | 1200480 |
| gcttcgatgc | accagtcttt  | catctcgtctg | ttccggtagt | cgtagcccac  | ctgccagggtg | 1200540 |
| tcgttttctg | gggtgatgat  | gactccgtat  | tcgggaatga | catgagtacg  | gggaatcaga  | 1200600 |
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| gaatggccgt | agtaattgct  | ttccagtgcc  | agccgcagga | actccttgaa  | ccaggagct   | 1200720 |
| tccagcagtt | ccgtcagttc  | aggattctcc  | acgccctttg | cgctgcagag  | cttgaaactc  | 1200780 |
| ttgttcaata | cgaatcccat  | gcgctgttgc  | acgcatccgg | tcagggtgcag | gtcggcatcc  | 1200840 |
| acatcggtat | agagggttcag | cagacgtgta  | cggtttgggt | tgtctacgtt  | gatagccatc  | 1200900 |
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| cggccagcag  | acgattgtcg | tccgtagcct  | gctggataat | tctcagcgcg | tcggtgctga | 1201440 |
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| tacgcccagt  | cggggtgtga | acgaagcctc  | acgggtttgt | ttctgtaatt | tataaattgc | 1201560 |
| tccctcactg  | gcatcgggga | agtcacgtg   | tgcacggctt | ccctgttcga | aagccagtgt | 1201620 |
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| gtagagcact  | atctgctcgt | agtatttcag  | tttcagcatc | ggtcgccagc | gtatccaccg | 1202100 |
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| gtagcccatg  | aattgttcgc | ggtcgcgcag  | tttctcgatg | gtgtagaact | ccggccaggc | 1202220 |
| aggattccccg | ttgcgatcga | tggcgttcac  | ctcaatggtc | tttacggctg | gcgtgtcaat | 1202280 |
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| cgcactttat  | cgagctggga  | aagaaggtag | gccaggaag   | cctgaaactg  | acctttgagg | 1204440 |
| ccatgcacgg  | cacggtcaag  | ccgtcgatga | tgctgaaccg  | cagtacttcg  | caggcggcag | 1204500 |
| gcgactggaa  | gaaactgagc  | gaagttccgg | cagaggaact  | gaaactgatg  | cgaaagaacg | 1204560 |
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| actgattggt  | gaacacaaat  | taaaacacga | acatgagaaa  | agaaatcgta  | aaattcgtaa | 1204680 |
| ccggcacact  | ggtgaatgtg  | ctgatgagta | tcgttatcct  | ctttctgctt  | ggagtaccgg | 1204740 |
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| cggatgaacaa | cgaagtgggtg | catctggtag | atgtgggagg  | agatccggat  | gtgctgatta | 1204980 |
| acaacactac  | gtatcccatc  | gccgcacagg | aactggagga  | cggggatatc  | gcactaggcc | 1205040 |
| ttgacaagtt  | ccagaccaaa  | aagacagccg | tatcggacga  | ccagctcttt  | gctatctctt | 1205100 |
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| agaaagcggc  | tcatgcaactg | gctccgaaca | gcaacacggc  | aaaaactccg  | gtagtgccta | 1205220 |
| cttccggcga  | agatgacaac  | ggacgtaaga | aatgtaccgg  | caaggacatc  | atcgctctga | 1205280 |
| aacgcaagct  | ggatgccttg  | cagattccca | ccgcaggccg  | ccgactggta  | ctctgctcgg | 1205340 |
| atcatgtgaa  | cgacctgctg  | gaagacgacc | agaagttccg  | cgaccagtat  | tataactaca | 1205400 |
| caaccggaaa  | gattgccaac  | atgtacggct | tcgaggtgta  | tgaattcgag  | aactgtccgt | 1205460 |
| acttcaccaa  | ggaaggcaca  | aaagttccgt | tcaagaactc  | gccttcggga  | accgaccatc | 1205520 |
| aggcatcctt  | ctgtttctac  | accaagcgtg | tgttccgtgc  | acaggggaagc | accaagatgt | 1205580 |
| attaccgcga  | cgcacagacc  | aaccggact  | accagcagaa  | cgaagtgaac  | ttccgccact | 1205640 |
| actacatcgt  | acttccgaag  | aagatggagg | ctatcggtgc  | tatctacagt  | tacgacggag | 1205700 |
| cgaccgcaca  | gacatccgac  | caggaagtgg | aagcagacaa  | gaactgggct  | actgtacgcc | 1205760 |
| gtgaagctga  | agccgcaaaa  | atggctatgg | ctatgtctga  | aggaggagaa  | aaaggtgtaa | 1205820 |
| acggctctgga | agaaaagtgtg | caggaagatc | cggcagccgg  | tgaagaactt  | gaagcataag | 1205880 |
| gaggaatgag  | gtatgaaaca  | ctttacaatg | ggtgaacttt  | gtgccagcac  | aaccgctgat | 1205940 |
| tctcatggga  | tcaagaatac  | accgcctctt | caggaggcgg  | gtaatctgaa  | agccctggcc | 1206000 |
| gacaacgtgc  | ttgaccgct   | ccgcgaatgg | tacggaaaac  | cgattacagt  | caattcaggg | 1206060 |
| taccgctgtc  | cgcaactgaa  | cggctggta  | ggtggtgaaga | caagcagcca  | acatcttaaa | 1206120 |
| ggagaagctg  | ccgatattac  | ggcagggagc | aaagaagaaa  | accggaaact  | ctttgagtac | 1206180 |
| attaaaggcc  | atcttccttt  | tgatcagctg | atcgatgaaa  | agaattattc  | ctgggtgcat | 1206240 |
| gtgtcttaca  | agcgcgacgg  | gaataacagg | aaacagacat  | tgaacttta   | aagcacaata | 1206300 |
| aaatgaaacg  | gattatctta  | tttttcagcc | tgtgcctgat  | tacactggct  | tcttttgccg | 1206360 |
| agaccgtact  | tccggctgct  | gaacctgaaa | catcgttcct  | tatcgacttg  | ggtagcttta | 1206420 |
| ccggaatcgt  | agccctgggt  | tctaccttg  | tgacacagat  | tctgaaagt   | gttccggcta | 1206480 |
| tctccgcaag  | caagctggcc  | aagattttga | tttcgtgcgg  | cgtgggcatg  | gtggtatgta | 1206540 |
| tccttgctg   | gctgttgca   | cttactccgc | tacttaccgg  | ctatgtctgg  | tggcagggtg | 1206600 |
| taatttacgg  | actggcagcg  | ggactcagtg | gatgcggatt  | ctatgacgtg  | attaaggcta | 1206660 |
| tcgggggatt  | atttaaaaaa  | gagtagatca | ttatggattg  | gaccctgcta  | cagtcgctat | 1206720 |
| gggactggct  | gcttcctgcc  | ggctggttgg | caacagccat  | tgcttggtgg  | cgtgacagga | 1206780 |
| agggtgatca  | agtccgcgca  | gtgaaagaaa | ccgaaggcac  | atacaagaca  | ctatacgatg | 1206840 |
| atctgagtg   | cacggtattg  | gaacttagta | aacaactacg  | aaaacaaaac  | gaacggaata | 1206900 |
| tcaatcatga  | aacggcttta  | cggaaactgc | atacttgcaa  | gtatgctgac  | cgctgtcctg | 1206960 |
| tcattatctt  | cttgcgccag  | cagcagaaa  | gccagctcgg  | aaaccgtccg  | ttgggacagc | 1207020 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| ctccgaacga  | gcgtaaccga | gcaaacaact  | tacgggccc   | tcccgaagag | gacggcgacc  | 1207080 |
| tgctcgggtga | gtgcggagca | gtggctgaac  | ctgagtaagc  | ttcctgccgg | attcggactg  | 1207140 |
| agctacagaa  | atgacggtct | gagtattgac  | atacaggcag  | acggagaagg | tggcgtgaac  | 1207200 |
| gtcacggcga  | cagccgacag | cacaggaaga  | caggtgaccg  | tgactcgtac | ggaaaccgac  | 1207260 |
| caccgtatac  | gcgatgaaac | tgtgaacaat  | gaattgaagg  | aaacacgccc | gggagcgcag  | 1207320 |
| ggatggctga  | caggaacagc | cctgaccctg  | ctggggattt  | tccttatctg | gcaactgatt  | 1207380 |
| aaatactatt  | taagcaaaca | ttaaaaacga  | taagattatg  | gcagatacaa | gcaacggact  | 1207440 |
| gatgtatggt  | gtagcagccg | tccagttcaa  | ggctgcgggt  | gcagaaggac | agggaaaaac  | 1207500 |
| actgggctgg  | ctggatgaaa | acgggatgca  | gccggcagga  | aacgcaccta | cctttatgga  | 1207560 |
| tgtgatagcc  | gcacaggtaa | cagacggacc  | ggtggatagc  | atcatgacca | atccgggaag  | 1207620 |
| tgacgcattc  | acgatgaacc | ttattcaact  | gaatgcgcag  | agcatggtcg | atgtgttcg   | 1207680 |
| tggaaaagcg  | gaagctgacg | gttcttatac  | accacctaca  | aaaaaggtag | ctagtggcgt  | 1207740 |
| actgaccatc  | tccatgcatt | cggacatag   | tttccgtggt  | ttcaacgctc | gattgagctg  | 1207800 |
| taacggtttc  | cagaacggaa | tcaacatgca  | aaatgtgctg  | gcaatgggta | tccgtgtgga  | 1207860 |
| tattctgaaa  | ccgacagacg | gcaaggaaag  | acgataccgc  | atctatcctc | cagaagtga   | 1207920 |
| acctgatacc  | gcagactcaa | ccgcagacgc  | agcagcagga  | taagtatgaa | ggcacaggat  | 1207980 |
| atagaactgc  | tggcaggcat | ctccctcagt  | gacgggggaa  | tcagcctgcc | gcttcatacg  | 1208040 |
| gtactgcgga  | aacgtccgtt | ccgcatacag  | atgaagacac  | ctaccacacg | cagcctgata  | 1208100 |
| cgtatcagta  | agcgttatct | ccgaatcggc  | gtgactccgg  | aagaatacga | cgaatacaac  | 1208160 |
| caggatcagc  | gaatccggtt | tgtcttctctg | catggaaagg  | atatcagcag | gatagtggca  | 1208220 |
| tacggcattg  | ttcgaggccc | ggtactgggg  | aggttactta  | accgtccggg | ggcctgggtg  | 1208280 |
| ctacgggaac  | tgatgacacc | cgatgaactt  | tcctccgcct  | ggcggcaaat | actgagcagt  | 1208340 |
| acatctacca  | cgtctttcgg | gattattatc  | gcatacggcag | cagcactgaa | caagatgcag  | 1208400 |
| cccttagcga  | gccggaacga | aagcgcaagc  | gacaggagga  | gttaaagaag | ggacatacgg  | 1208460 |
| aaccttcgca  | tagccttttc | ggcgtgatag  | gtcagctggc  | tacggaaaca | ggttggagca  | 1208520 |
| tagactacat  | tctggacaaa | gtgaatgtag  | taaccctgca  | aatgatgatg | gcagacatgc  | 1208580 |
| cgcactgggt  | ttctccgcag | aagccggata  | tgatgcagca  | gattcgtgaa | atggagggaac | 1208640 |
| gggagaaaca  | aagaaacagt | cacacacaaa  | cagataaacac | gaacacgaca | aagggaatga  | 1208700 |
| acccgatgga  | gttctttacc | cattatgcaa  | taaaagatta  | aggatatggc | agtacctgtt  | 1208760 |
| gaacttgaaa  | tattcatgaa | agaccttacc  | aaagccggac  | tacagagcgt | gggtaagaat  | 1208820 |
| gtggatgatg  | tggaaaatca | gactctgcaa  | ctgattgaag  | cattgaagca | ggtacgtgcc  | 1208880 |
| gaacaactta  | agcagcttga | agcgaacaag  | caagccggga  | aaagctatac | gcaggaagct  | 1208940 |
| gccaacgtac  | aggctttgac | cggacagatt  | aatgtactga  | aggcaggctt | gaaagacttg  | 1209000 |
| cagaagacaa  | aagaagaaac | cgcaaaaacg  | cagaccattg  | acatcgacac | cgaagccgta  | 1209060 |
| acccgcaaga  | ccaacaacct | gaaaatgcag  | ttcagccagg  | tagcaagaga | gctgccatcg  | 1209120 |
| ctcgccatgg  | gaccacagat | gtttatcctg  | gccattttcca | acaacctgcc | gatgctgtcc  | 1209180 |
| gatgccattg  | cggatgtacg | caagcagaac  | gagcttcttg  | ccgcatacag | tcagaaagg   | 1209240 |
| gtgccggtat  | ggaaacagct | ggctggtgca  | gtattctcat  | ggcagacagc | actagtagct  | 1209300 |
| gctatatctt  | tgggaatagt | gtatggcaag  | gaaattggga  | actgggtatc | ttctttattt  | 1209360 |
| aaggcgaaaa  | aggagcttat | tgatactcag  | aaaattcaga  | atgaattaaa | taaagttcaa  | 1209420 |
| gtagaaggag  | gaaagtctgc | ggctgaagaa  | gcggccaaac  | ttaaaatact | ttatacagcc  | 1209480 |
| agtcaggata  | catctaaatc | aatgaaggaa  | agaaataaag  | ctgtcgacga | actacagaaa  | 1209540 |
| atgtatcctt  | cttattttcg | gaagttaagt  | aacgaggaaa  | ttttggctgg | taaggcatca  | 1209600 |
| gatgcttatg  | atcgtcttac | aaaatcaatt  | atatcatctg  | ctaaggcaag | agcggccatg  | 1209660 |
| agcaaaatgg  | tggatgaaca | aggaagata   | ctggaaaatg  | aacaaaagat | aaatgatgcg  | 1209720 |
| tactccagat  | tagatcctct | tttaccaaaa  | cttgaagcgg  | cagaaaagaa | attaaatata  | 1209780 |
| gcaaaaacgt  | ctgcaagtct | gaatgcagga  | aaactttcaa  | cttccggaac | tagaaatctt  | 1209840 |
| tcagccggag  | gaaatgtcgc | ggttcagcag  | gctcaatcag  | actatgacca | gttaaagaaa  | 1209900 |



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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gaaacggatg  | ctattttacga | agaaattgca | ggataccgtg | cagccatata  | tgaatcgaac  | 1209960 |
| aggattttcta | aggaatttgga | aaaaagcatt | aaggtagatg | acattgttac  | agaggaaaaa  | 1210020 |
| ggtagtggtg  | caggttccgg  | aaaaaccgat | tatgcttccc | agctggcgga  | tgcccgtgta  | 1210080 |
| aaagctcagc  | aaactacaga  | gaaactgcgt | ctgcaaatca | tgcaggaagg  | tattgccaaag | 1210140 |
| cgcaaggcac  | tggctaagca  | agaatacgat | gagcagcttg | ccgacatcga  | caagcaggaa  | 1210200 |
| cgggacacaa  | tcgctaaaat  | ggatcaggct | cgcaagcaag | gtgacaacat  | cccgcagagc  | 1210260 |
| cagtatgatg  | acgtgaaagc  | agaagcgaac | gaacaaaggc | ttttagcgga  | aaaaatatta  | 1210320 |
| gcggaaaaga  | tatatcagat  | caataaagaa | tatcttgaca | aaacactgga  | cgctgaaata  | 1210380 |
| gagtacaata  | agcaatatgg  | aacctggcag | gaaaaaagag | aagctgtagc  | tttggagtat  | 1210440 |
| acaaaaaaaa  | tagccttggc  | gcagactgaa | gccgaaaaga | aactttttaa  | agaaaaaggg  | 1210500 |
| aaagaagctg  | ttgctgccgt  | agattttgag | gaattttaag | aaaacatcaa  | ttgggaatta  | 1210560 |
| atttttcggtg | atcttgatca  | ggtcgcaaaa | caagagttgc | agaaattacg  | tacacaactg  | 1210620 |
| gaaaaattcc  | gtcagctctc  | ggagtataaa | aatatggcga | ttgatgaacg  | taaggtattg  | 1210680 |
| gatgaagctt  | taaatgaaat  | ccagcagaac | ataattgaga | aaggtgggct  | attggggaat  | 1210740 |
| ttgccggaac  | agttacagat  | attggcagat | gcacagattg | aactggaaaa  | agcgcagtcg  | 1210800 |
| gaatacaata  | aatccccttat | tttaggaaca | gaagcagaga | aagaagcggc  | tctgaagaaa  | 1210860 |
| aaaaatcaag  | ctcaggctaa  | tgtcatcaac | gctcaggcta | atgttaacgc  | agctgctgat  | 1210920 |
| caggctggac  | aaagattctc  | taaagttaca | gacagtatga | ttcgacttag  | cgaagctgga  | 1210980 |
| agtgcacctt  | cccaactagg  | aagttctatc | gggacattga | tagatgcgtt  | ttccgatgcc  | 1211040 |
| gattcgaaaa  | taggtgggtat | agtaggttct | attatcgag  | ttttagagca  | gttggggaat  | 1211100 |
| cagggaatat  | ctggctttgt  | tggcgggata | ttggagaatg | tagccaattt  | ggccggacat  | 1211160 |
| atgtgggata  | caattggaag  | tttttttggg | gtaaaaggac | ttggagggtat | tttttatggt  | 1211220 |
| gcagattatt  | caggctatga  | acaaatgaaa | tctcaatatg | aaacactttc  | gggcattttg  | 1211280 |
| gatgagttga  | tagacaagaa  | acaacaatat | attgatatac | gttatggaga  | agaagcggaa  | 1211340 |
| aaagcttatc  | aagaatcagt  | taacctgctg | aatcagaaaa | tgcaacaggc  | atatgctctt  | 1211400 |
| gctgatgccc  | gtaaatctgc  | cggcagcagt | ttaggctctc | attccatcgc  | gtatcggcaa  | 1211460 |
| aacagggtat  | tgggtgggata | tgccacagaa | ttatataagt | atgtcaatca  | gaatggcaat  | 1211520 |
| tataatgata  | taacgaacgc  | tttgttggga | gcgtcagctg | atcagttacg  | taatgtccgt  | 1211580 |
| gataaatatgt | gggcattttg  | ggctggactg | gattctgaat | ttcgtaatgc  | cttggaaacag | 1211640 |
| attatcgctt  | gtgatgacca  | aattgatgat | ttgggtgata | aaatgaatga  | agtgatgaca  | 1211700 |
| ggtgttgatt  | tcagcagctt  | ccaaaatagc | tttgtagata | tgctgaatga  | tctggattct  | 1211760 |
| accaaccagg  | attttgtctg  | caactttgaa | aagtatttgc | agaatgcagt  | attctcgtca  | 1211820 |
| cttgtcgcaa  | acaaatataa  | gtcaaggatt | gaagctttat | acaaagattg  | gaccgaaaaa  | 1211880 |
| gcggatggtg  | gcttaactac  | tgatgaagta | gataagctca | gacaagatta  | tcagaatata  | 1211940 |
| ataaacgata  | tgttggcaga  | acgggagcag | attatgaaca | gtttcggctg  | ggaaagctca  | 1212000 |
| tcctccggta  | gtagccagtc  | gccagcagc  | ggtgcgctga | ctacaatgag  | tcaggacagc  | 1212060 |
| atatctacct  | ttgaggcaat  | aggaagaaac | atgcagacgc | atctggccaa  | tacggacaaa  | 1212120 |
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| atacagttga  | aataaatatg  | acttgacagg | atatcttaca | atcaacgaaa  | cggacgtgtg  | 1212300 |
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| agtagagttg  | cctcagaacc  | cgaacgtaaa | gctaagtagc | atcgaacgta  | ccttgcagtt  | 1212480 |
| ctggcttcgc  | ggaaactccg  | cagccgaccg | actggagaaa | taccagcgta  | tgatgacgct  | 1212540 |
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| tcaggatatg  | ccatccgaac  | cggactggta | cgagagttac | gaaggcgacc  | ggttttatgt  | 1212660 |
| gctgttctcc  | gtaaagtttc  | tggaaccgca | gccttccggt | tagcaattga  | ttaaatatag  | 1212720 |
| attaaatgac  | gataaaatgg  | aactgaaaa  | atacgataaa | gcaaataacc  | ttcgactgac  | 1212780 |

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| tgcattcattc | acacacacgg  | aatacattcc | gctggatgta  | gatgattaca  | tcgagctgga  | 1212900 |
| aggtgtgcgt  | tataaagtta  | agtcccgtta | tcgcccga    | caaaagaaca  | cacagactta  | 1212960 |
| cgaatacagc  | gtgaagtctt  | atgcgccgat | acacgatg    | gaagacacgc  | tgatgctggt  | 1213020 |
| ccaggaagga  | ggaactactt  | ctgaattcag | ttatgacggt  | ggcccgcgcg  | aacaccttca  | 1213080 |
| gctttggatt  | gataacatga  | accgccgtgc | cgatgcaaat  | ctatggagta  | tcggaacggt  | 1213140 |
| aattgtagcc  | gataataaga  | ctattgacta | ccggaatgta  | aagtgctggg  | atgcggcttt  | 1213200 |
| cggtagcaac  | ggcatcgccg  | ccacattcga | aacggaaatg  | tgggcggacg  | gttatgtgat  | 1213260 |
| aaatctctgt  | aaggctgaac  | gcggcgaaat | ggtagaactg  | ggatatcttc  | agggacttac  | 1213320 |
| caacctggca  | caagaagata  | acggagaagt | gaagttcttt  | acccgtctgt  | tcccgtctggg | 1213380 |
| cagtacacgc  | aattattgatg | cgacaaagta | cggttattcc  | cgtctgcaac  | ttcctgaccg  | 1213440 |
| ctctctatat  | gtagataaga  | acgtggacct | gtatggtgtg  | aaggaagaaa  | cggaagaaac  | 1213500 |
| agccttctca  | gagatataatc | ctcagtatgt | gggtactggt  | tcattctgtac | gtacggaaga  | 1213560 |
| gaaaaccagc  | gaggaaggac  | gtaaatatac | tgtatattac  | tttaaagaca  | acggtatgaa  | 1213620 |
| ctggaatccg  | aaagactacg  | agattccgga | tctggactac  | atgctgaaat  | tccagacagg  | 1213680 |
| cgaattggca  | ggccgtggaa  | ctgacggctc | ctttcaggcc  | gcatggcatg  | aagacacaag  | 1213740 |
| ggaatgggaa  | attataaacg  | tgtatcctga | tgatacgact  | cagattccgg  | gtggtgcaat  | 1213800 |
| tatcccaact  | ccgggcgatc  | agtacattcc | ctggaatttc  | gccatgccgc  | aggaatacat  | 1213860 |
| caccgaggca  | gaacaggaat  | acaagcaggc | tgtagatgat  | tattcttaata | cttacagttt  | 1213920 |
| cgatccgaac  | aagtacacag  | gtactactga | tcgaaactac  | atcgagaaga  | accatacccc  | 1213980 |
| actccgcac   | ggatggaatg  | tgcgtctggt | gtcagaacag  | tatttcggca  | ccacaggcgg  | 1214040 |
| atacaaggac  | acccgtatta  | cgaaagtgc  | gcgcaagctg  | aatgacttgt  | gccaaagctac | 1214100 |
| gattacctgc  | tccgatgagg  | ttggtacggg | atggaaatcg  | tctgtagaca  | actctttgaa  | 1214160 |
| ctcggttacgc | tatgaggtgg  | ctaagcaggc | ggaaaagaaa  | cagattgatg  | tattgaagac  | 1214220 |
| atcagactca  | aagacacat   | cagattataa | tgtattttct  | gcactccgtt  | cacgtgcaga  | 1214280 |
| atttatttca  | aagaagttca  | acgatacagt | aatcggaatc  | attaccttct  | tacaagctgc  | 1214340 |
| catatttctg  | gctggagctg  | tatttgcaa  | ggatggattt  | gcgtctggcc  | ttactgggta  | 1214400 |
| tgggtcgaaa  | atcgacgaaa  | acggaaatgt | cgaagcagaa  | tctcttacgt  | cgagaagggt  | 1214460 |
| tatcgaaact  | ccagagctac  | gctacaaccg | tgtagatgtg  | aaagtaggcg  | acaaatggcg  | 1214520 |
| tgcaccaggg  | gcaggtatca  | ttgaatcggg | tgatacgga   | tctaaaatat  | gtaccttgaa  | 1214580 |
| actggaagag  | ggagaaatcg  | gggctgtagc | tggttggtgat | atctgtatgg  | gtatattcca  | 1214640 |
| ttctcttaca  | tcttctgaca  | atgctactga | agatacggat  | gacagccggg  | ggaaccggac  | 1214700 |
| gttcgccggg  | ttctgcacgg  | tttatttcac | gattaccgaa  | gtgatgggtg  | acaggaacga  | 1214760 |
| gcagttcaaa  | taccagattc  | gcccaatgtc | cgaacgctgg  | aaatattctt  | tcgatccgtt  | 1214820 |
| ttcgcaaatg  | aacttcgtag  | catacgaaa  | tttcacgaat  | gaagatcgac  | aaacatctgt  | 1214880 |
| atatgaaact  | cgcaattata  | cacgtcattt | atggagacaa  | aatacatggg  | aaataggcgt  | 1214940 |
| ggcaaacatc  | gcaaaacaat  | ctggagacct | ttcgaacctg  | aacgtatttg  | gacttaatat  | 1215000 |
| ggaaggttat  | tccgagtata  | ccaactccat | ttacttaact  | gggacagtta  | ctcaggtaaa  | 1215060 |
| gcctgacggt  | acgccagtca  | ttacagctaa | cgatcgcggt  | tcattgggtaa | acaattccca  | 1215120 |
| atattattat  | tacgaccgtg  | tatctcataa | cggtgtgatt  | tggttgtg    | tgaacgagga  | 1215180 |
| tggaactgac  | acagaaccgt  | ccgtaagcaa | tccaaactgg  | cttttgcaag  | tatctaaggg  | 1215240 |
| agaaaacggt  | caggacggta  | cttcttttag | aatattggga  | agcaagaatg  | atgaatctga  | 1215300 |
| acttccgcag  | gaaggggaata | aagaaggtga | cggttatctg  | atacaaggtc  | atctgtgggt  | 1215360 |
| atggagcggt  | acagaatgga  | atgatgcagg | cgctattcaa  | ggcccggcag  | ggcagtctgt  | 1215420 |
| tacaaatatg  | ggcggctgga  | acgaaggact | gcatgtacct  | tacttaggtg  | ttgttagaat  | 1215480 |
| gggtaatgct  | acgtttatgt  | gcgtagtaga | agaaggact   | gacaatccac  | cctattatac  | 1215540 |
| attattagac  | aaggacagca  | atagggtaaa | gacagaatcc  | ggttacatct  | tgacgggtga  | 1215600 |
| aataaacaac  | gcagagtacc  | aacttattgc | agctgacgga  | acaaacggta  | aggatggact  | 1215660 |

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| tgccgacgat  | gcagaaggaa  | atggaatata | caacgagcct  | acaggcaaag  | cctatatcgg  | 1215780 |
| ttttgcatat  | aacaaggaaa  | gctctttaga | aagcaacaat  | cccgaagact  | atgtttggtc  | 1215840 |
| tgacattaaa  | ggggaacaag  | gagtaaaagg | agataaagga  | gaggatggca  | ctcagtatta  | 1215900 |
| tacgtggatc  | gcttattccg  | acaatgcaga | cggcaaccga  | atgtatcaac  | aacccaacga  | 1215960 |
| caatacaaaa  | tatatcggtg  | ttgccgtaaa | caaaattacc  | gaaacagaag  | gaacagaccc  | 1216020 |
| gtcagaatat  | acttggagta  | aattcagagg | agaagatggt  | aaggatgggt  | taaacgggtc  | 1216080 |
| tgacggggta  | aacggtaaag  | acggaacaag | tattgtatgg  | cagggagaat  | ttgcaagcgc  | 1216140 |
| gcctacaaat  | ccgcaaaacg  | gatgggctta | taagaatata  | acagacaaga  | agtcttatgt  | 1216200 |
| atatcaagac  | ggttcttggt  | atcaaataac | tattgatgga  | gtagacggta  | agaatggaga  | 1216260 |
| aaacgggtctt | agcattgtat  | ggaaaggaga | cttgacagaa  | gcgcctgcaa  | atccgcagac  | 1216320 |
| aaactgggct  | tatcgtgata  | cagacaacgg | tcgtgtatat  | atctacaatg  | gtaacgcttg  | 1216380 |
| ggaactgatg  | gtcgtagatg  | gcacagacgg | tacaaacgga  | gctgacggtc  | agaacggatt  | 1216440 |
| gtctgtatat  | attacatata  | acgacagcga | agcagagcct  | tctgccccta  | cgggcgacgg  | 1216500 |
| aacaacgaac  | ggatggcata  | caaatacaac | atcaactact  | atatggatgt  | cgcagaaaag  | 1216560 |
| ggcagcatct  | tcttctgacg  | ggacttgggg | taagcctata  | aaagtcaaag  | gtgaacaagg  | 1216620 |
| tattgctggc  | gaaaaagggt  | acggcttcac | tcttatgggt  | caatggatgt  | atggatgggt  | 1216680 |
| tggtcccttac | atgggagtag  | ttaatatggg | aggaaattct  | ttcgtagcta  | aagttgctac  | 1216740 |
| aacaaatcct  | cctatgtgga  | cgctaaaaga | taatcaaggc  | aacaggctaa  | tgactgaaaa  | 1216800 |
| tggtatttta  | ttaactggag  | aaataaactc | ttccgaatat  | gacattatag  | cagaaaaagg  | 1216860 |
| taatgacggg  | aaggatgggc  | ttcaaggatt | acaaggcgag  | aaaggtagac  | aaggaattgc  | 1216920 |
| tggtaaaaaac | ggggtagatg  | gaaagacctc | ttatttccac  | attaagtatt  | cagcaaattc  | 1216980 |
| tgatggcaat  | ccaatgacag  | aaacgccttc | gacttatata  | ggtacttatg  | ttgactttga  | 1217040 |
| acaggcagac  | agtgcagatt  | acacaaagta | tgcttgggcg  | agatttgaag  | gtctgcaagg  | 1217100 |
| agaaaaaggg  | gagcagggaa  | tacctggcta | taacggcaca  | gacggtaaaa  | catactatct  | 1217160 |
| tcatatcaag  | tattcaaata  | atggaggctc | gacatttacc  | ggtaataacg  | gagaggatac  | 1217220 |
| aggcgattac  | atcggtcagt  | acgtcgatac | aaatccagaa  | gacagcaata  | ctccatcaga  | 1217280 |
| ttataagtgg  | gctaagatta  | aaggagacaa | gggagacaag  | ggcgatcagg  | gtgagaaaagg | 1217340 |
| cgaaaagggt  | gatgggttata | cccaactcgg | agcatggtat  | acgggattgc  | tcgttcttga  | 1217400 |
| aatgggagtt  | gtcacgatgg  | gaggtagctc | ctatgtagca  | aaggtagcaa  | catataaccc  | 1217460 |
| accgatgtgg  | acactgaaag  | acaatagcgg | taatcgttta  | aagacagaat  | ccggttacat  | 1217520 |
| attgactgga  | gaagttaata  | cttctgaata | cgacttactt  | gctgaaaagg  | gggataaagg  | 1217580 |
| agacaaagga  | gaacaaggta  | ttcagggaga | gaaaggatgt  | aaggagatgt  | atgggtgcaga | 1217640 |
| aggtaaacaa  | ggtattcaag  | gttgcgttgt | acgtgacagc  | gaatgggcta  | tcggtactga  | 1217700 |
| atatcgcaat  | gatagcaata  | tactgacgg  | aagtcttgaa  | gtaagatacg  | ttgatgtagt  | 1217760 |
| tttggtaaaa  | aataataatg  | tagaaacggg | atgggatgca  | tatagatgta  | aattaacgca  | 1217820 |
| tgtgtcttct  | acaagtatta  | cctacgagaa | tacaagctat  | tgggagaaaat | tcagtgcata  | 1217880 |
| tgtaggcaca  | atattcactt  | ctttaattat | tgctaaaaac  | gctaagataa  | acttcttgca  | 1217940 |
| aggcaatcag  | cttacaatac  | agcaagatga | cgggactata  | actgctggaa  | tttcaggctc  | 1218000 |
| aaacgatgga  | ggacaaataa  | gattttgggc | tggtcttgaa  | agtcctgatg  | atgctccttt  | 1218060 |
| tagagttgat  | aaaaaaggag  | ttacttatgc | tacggatgct  | catatagaag  | gggaaattat  | 1218120 |
| agctaatagt  | ggtatattta  | aaggagatat | taatgtagg   | ggtggcgcta  | atcaaataac  | 1218180 |
| acaagatggg  | agtggaagtc  | tttctaaagg | aaatatatca  | tgggattctg  | agggaaattt  | 1218240 |
| aacattagca  | aaaaatgtga  | gattttgaag | atttattaag  | ccagcctcag  | tggttttatgc | 1218300 |
| aattatagaa  | aaagatgggt  | tatatacttt | tgtttttagat | tctaaacaaa  | aaggaaattt  | 1218360 |
| tgttatgata  | aattcgcaac  | atgatggaga | ttcgtttttt  | ttaccgcgag  | gtgaacaatg  | 1218420 |
| ggatggcgct  | tacttttatg  | tatatatttt | ttcaaacaca  | tatagcttaa  | aagttggggc  | 1218480 |
| ggaaaaaata  | cctcctctcg  | gtgctggatt | gttttgggga  | agtagagtac  | catatacaca  | 1218540 |

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| atctgcaact  | atatggacta  | ctctggctat  | cagcaagtca  | gatggtgtgt  | taggtgttgt  | 1218600 |
| atatgaagat  | tataatcaat  | aaaataaatg  | ttaaaccata  | atttaataaa  | ctatgttaat  | 1218660 |
| aacaatactt  | cggtaaattt  | ttaccgataa  | attaaaaatta | aacatagaat  | cggcataatc  | 1218720 |
| cggttcaaaa  | ttatatcaaa  | gagatcattg  | aaatactgtc  | aagaataaat  | cgtcaaggag  | 1218780 |
| taagaaaagg  | gatgaaaaag  | atatgctaaa  | cagctgaaaa  | tcaacagaaa  | aagtatttca  | 1218840 |
| taattcactg  | atttttagta  | aattagaagt  | acttcaccac  | ttttaattat  | gactaaagaa  | 1218900 |
| tcaactcctt  | tgcaatacca  | atccgagtgc  | agaaacgctc  | tcgaatcagc  | tgtaaataata | 1218960 |
| agcaaatctt  | ttcagaaaag  | attcatggat  | gcaatgaaat  | tattcatggc  | tataacctgac | 1219020 |
| cgcatacaatt | tcctacaaat  | gggacgggat  | ggatgtttct  | cggaaacagac | ataccgcaac  | 1219080 |
| aattttgaga  | acgacggcct  | tgactgggtt  | tccttcaatg  | aagccatcat  | cagggaacac  | 1219140 |
| cttaaagggtg | gtcgcgaaggc | gatagccgtt  | gatccgtctt  | tcattccaaa  | atcaggcagc  | 1219200 |
| aaaacgccgt  | ggattggcta  | tttctgggtc  | ggttggtgcc  | gtgaatacaa  | acgtggactg  | 1219260 |
| gaaataaccg  | gtattggagt  | tatagacgtt  | gacaaccatg  | aatgtatgac  | tttgggctct  | 1219320 |
| gtacagacac  | ctgacaacgc  | aacgctggaa  | agctgtgaga  | agaatcttgt  | tgactggtac  | 1219380 |
| agctcttacc  | ttatcagcat  | acaggaacag  | ctgaaacgta  | tttctggcac  | agtcgtgtgt  | 1219440 |
| gatgcgttct  | tttcaaaggc  | aactttcatc  | aaaccattgt  | acgataacgg  | tttccacgta  | 1219500 |
| ataagccgtt  | tcaggaatga  | tgccgtattg  | ttttatccca  | ccttagaaaa  | taggacagga  | 1219560 |
| aaacgcggac  | gtccaaaatt  | acatgacgag  | aaaattgact  | ttgaaaatct  | ggacatcaca  | 1219620 |
| agatgtaccg  | agtacaaaag  | gaacaagggt  | aaactttacg  | gactgaaagc  | atactccaaa  | 1219680 |
| gcactcaaac  | gctttgtgag  | cctggctgta  | tggtacccca  | tggaatggaag | aacggacaaa  | 1219740 |
| tggcagctgt  | atttctctac  | aaacgaaata  | cagaacgcac  | aggatgtcct  | ggacttttac  | 1219800 |
| agaacacggt  | tccaactcga  | attctgcttt  | cgggatgcc   | agcaacatgc  | cggaaatagca | 1219860 |
| aactgtcagt  | ctacagactt  | caggaaactg  | gcattccact  | ttaatgcatc  | acttgcagcg  | 1219920 |
| ataaacctcg  | ccaaggctgc  | ctgtaagaag  | atgggaataa  | aatattccat  | atcatcatgc  | 1219980 |
| aagtcagtca  | tacacaatgc  | ttacatgctt  | gaacgattta  | tttgctgtgc  | tggaattgaa  | 1220040 |
| ccaaacacgc  | aattaattga  | caaacttttc  | aaagaactca  | ttttattttac | tgccagagcc  | 1220100 |
| gcttaggctg  | ggctaatttt  | taacgaacta  | ttgttaataa  | taagaaacaa  | agtaattccc  | 1220160 |
| tttaaaggat  | ttaaagcaat  | aaacctattt  | ggtatattgt  | ttgtaagaga  | aaatgcaaaa  | 1220220 |
| ttggacgcta  | aaacaatcaa  | tcacgaggaa  | atacacacgg  | cacagatgaa  | agaaatgctg  | 1220280 |
| tatgtatttt  | tctatctgtg  | gtatgtcata  | gaatggataa  | taagactttt  | cggtaaagggt | 1220340 |
| aacgcttatc  | gcaaagtatc  | attcgaaaag  | gaagcatata  | ataatcaaga  | cgatgtaaca  | 1220400 |
| tatctgacaa  | aacgtaaaca  | ctatcattgg  | ttaaaagaac  | tatgataata  | caagcaagta  | 1220460 |
| aaggctgtct  | tctcactcag  | agtgaggagg  | tggcagtaaa  | agaaagaaag  | tttgaaaaat  | 1220520 |
| cagtagaagt  | cccttcttta  | tcagaaattt  | catcgtggaa  | agaaatccct  | gaatcagaga  | 1220580 |
| aggacaagat  | tatagcagag  | gaagaattat  | ttcaaccgga  | agatataact  | ttcgactatc  | 1220640 |
| tgaccaaaagt | agacagcctt  | atgacaacga  | ttaaggaaaa  | aataaacgac  | agcggtatga  | 1220700 |
| gtgctgacga  | agcgttggct  | atgaaagcct  | attatcctga  | atgggaagac  | attttaggga  | 1220760 |
| agaaggttat  | aactggctat  | cggtttaatt  | acgaaggaac  | actattggag  | gttggttactc | 1220820 |
| cacataccct  | atcagaaaaa  | ataagtcctt  | cgcagcaacc  | gatgatgttg  | gatttggttg  | 1220880 |
| aagttgagaa  | acagcctgtg  | aaatattata  | aggtagtgtg  | gccgaccgtg  | cagacttttg  | 1220940 |
| aagaattcgt  | gtcggaaagt  | gatgaaatca  | aagatacaga  | taacattaat  | attaacaatt  | 1221000 |
| aaaaaataaa  | gacatatggc  | agacatgaaa  | gaaagcgcac  | tgacgcagca  | aagtgattgc  | 1221060 |
| aaatgggtac  | gtgcattgga  | ctcaaattgg  | aactcaattc  | gtatcagtaa  | ggaggactta  | 1221120 |
| gcagcagttg  | tggaaggact  | gattgggtcaa | actacattga  | caaaggatgg  | actactacca  | 1221180 |
| agtagaagag  | caagttgtta  | tagtctattt  | gcaagtggta  | cattggtagt  | atcgtttaaa  | 1221240 |
| gatgtatatt  | cactgcaacc  | tttttttata  | accacatatt  | acgctggggg  | atgtggctgt  | 1221300 |
| attgtgttta  | ctccatctct  | ttatcaaata  | aatagatgca  | aagcattatt  | gataggagaa  | 1221360 |
| agcaatgtaa  | aaatatatgt  | aaaagaaaaa  | gaatcaaata  | tatacataaa  | acccaaatat  | 1221420 |

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| acatcaaata  | tatcagatgt | tgatatttct | ggctataaag | aaataattcc  | taattcgata  | 1221540 |
| taatattatt  | ataaaccttc | acggaaactt | ttcattacaa | ttttgtaagt  | aaagttccca  | 1221600 |
| gtgggaggac  | ttttagatgt | caataataaa | gttcctatca | aattcccaag  | tatgaaagaa  | 1221660 |
| ttatttaaatg | gaacaaattg | ggtacattta | acaaccataa | aaaatggcaa  | cgcgtatgag  | 1221720 |
| cgtgctagtt  | cgatgatgca | agtacagttt | ggacggttta | ataacgaaca  | acagtgccct  | 1221780 |
| ttattattag  | ctattactca | tggtcctaac | ccttctcctt | atgtagtatc  | ttttgggtct  | 1221840 |
| aaatataaaa  | gtggcgtcga | actaaaatta | gcttattatt | gcaatagtaa  | cgacaataca  | 1221900 |
| acgtctatgt  | atattaaaac | aaatataaaa | aatgggttct | taggcaaaat  | atggataacc  | 1221960 |
| aaacatgttt  | ctttaaatat | tacaaacgat | gatttatcaa | gtattgatac  | attactagaa  | 1222020 |
| ggcgcagtta  | aaatagaacc | ttgataatag | taggctgtga | atagcctact  | atttttattct | 1222080 |
| gtaatttcta  | taagcccgct | tgtttctgta | ttttcttggt | gctcatttaa  | aaatttttta  | 1222140 |
| ttctccaaac  | catccataaa | ggcaaatact | acttgagcag | ttatataagt  | tggttgtaac  | 1222200 |
| atatacaatg  | aaatcatatt | tccttcctcc | ttataataaa | atttacagtt  | ccgttgacct  | 1222260 |
| ggcccgatat  | tttttatacc | attataaata | ccttcagttc | tattgattat  | tgagaatgtg  | 1222320 |
| tagaacgatg  | tagtcccttt | tgcatgtctt | tcccatatca | acattccaag  | aggattttatt | 1222380 |
| tttgctcctt  | ctttttccat | cctacctatt | ttgactaata | aatcatgagg  | gaatgatttc  | 1222440 |
| caatagaata  | ggggaaagtt | agaacgatat | gtagctggca | tcaatccttt  | attcgtactt  | 1222500 |
| gttgcttcag  | gcagtagtcc | tcccacaact | gataaaaagg | ctaaaaaaa   | tagaggctat  | 1222560 |
| ccaatgtgga  | ttagcctcta | tttacgccac | aaagatatga | atttatttat  | aattttctgta | 1222620 |
| actgtcgaac  | gaaagcatta | tcattaattc | gggcatatat | catcgtcata  | cttatttgct  | 1222680 |
| tatgacctat  | aacttgctga | attgtcgtaa | taggaatgtc | tctattaatt  | aatcgagaag  | 1222740 |
| cacaggtatg  | tcgtgctaca | tgagctgtta | catgtttttt | caaactgcat  | ttttttaatg  | 1222800 |
| ctacttgtaa  | ttttgaatta | aagctgcaac | gattttaccc | cacgttgaaa  | aattcagaaa  | 1222860 |
| gccttgtttt  | atatttactg | tatatctgtt | ctgcacgacc | atcaaataaa  | gccacattg   | 1222920 |
| gcaatcgtac  | tggtgtgcta | gtttttactg | atgtatatct | caaccaaagc  | cgaccgttgt  | 1222980 |
| cttcttttaa  | attatcttca | gacagagaag | caaagtcact | tattctagta  | cctacataac  | 1223040 |
| acataaaaag  | gaactgatct | agtactagct | cgtgagatgt | gtctgcaatt  | cctgaagctg  | 1223100 |
| catagttttc  | tataattcgt | acatcatcat | cgcttagtgc | tttcatctta  | taagttgatt  | 1223160 |
| taaaatcttt  | tggatcatgg | taaaatgcta | aagaatcagc | cggaaactttg | ttcccatata  | 1223220 |
| attttcgagc  | aatattatag | taggctttta | cgacatgcat | ttctttgcat  | acagttgaat  | 1223280 |
| actttaactt  | acctgaatcc | ataagataat | tcatgaatcc | acgaaagaat  | tcttctgtta  | 1223340 |
| atgctgttac  | aggacatgta | tctctgtatc | ttttcaatgt | cctaagtaca  | tttgcgtgaa  | 1223400 |
| tttctatagt  | tgcaggcttc | aatcctcttt | catacatagc | cttttccac   | atagaatacc  | 1223460 |
| aatcagccga  | gttccacgc  | ctagaaaaga | tgctgtgtaa | tttagttaga  | gtcatttcgc  | 1223520 |
| ctgcataagt  | cagttcaatt | tcctctagac | tatacactag | ttttctgatt  | aacagattaa  | 1223580 |
| gattagcaga  | atgttgactt | ttagaaataa | gcccgtaatc | ttcgttccat  | tcgtcattaa  | 1223640 |
| agactcttac  | gtcagtgtcg | agctcgatgc | tcgaaccata | ctgggaacac  | ttcacaaaaa  | 1223700 |
| tagcgagcat  | tccgctgtga | gcacgatgtg | ccactagctc | atacttaatt  | ttattcataa  | 1223760 |
| atattattat  | tagatgcact | ataaatatac | taaaatttag | gcataatatg  | aataataatc  | 1223820 |
| ataataaaaa  | gctatatttg | tgacgataat | tcataatgaa | ttattagatg  | catgaagagg  | 1223880 |
| ggatatcgta  | ggagtgtatg | ttccctcttt | ttaattttaa | atgctattta  | accactgttt  | 1223940 |
| cgtacacaat  | aaaaaaggac | aggagaaaaa | caatctcttg | tccttaatca  | atagttcggt  | 1224000 |
| aaaaattagc  | ccagcctaag | cggctctggc | agtaaataaa | atgagttctt  | tgaaaagttt  | 1224060 |
| gtcaattaat  | tgcgtgtttg | gttcaatccc | agacacgcaa | ataaatcggt  | caagcatgta  | 1224120 |
| agcattgtgt  | atgactgact | tgcatgatga | tatggaatat | tttattccca  | tcttcttaca  | 1224180 |
| ggcagccttg  | gcgaggttta | tcgctgcaag | tgatgcatta | aagtggaaatg | ccagtttcct  | 1224240 |
| gaagtctgta  | gactgacagt | ttgctattcc | ggcatgttgc | ttggcatccc  | gaaagcagaa  | 1224300 |

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|             |             |             |            |             |             |         |
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| tgtagagaaa  | tacagctgcc  | atttgtccgt  | tcttccatcc | atgggggtacc | atacagccag  | 1224420 |
| gctcacaaaag | cgtttgagtg  | ctttggagta  | tgctttcagt | ccgtaaagtt  | tacccttggt  | 1224480 |
| cactttgtac  | tcggtacatc  | ttgtgatgtc  | cagattttca | aagtcaattt  | tctcgtcagt  | 1224540 |
| taattttgga  | cgcccgcggt  | ttcctgtcct  | attttctaag | gtgggataaa  | acaatacggc  | 1224600 |
| atcattcctg  | aaacggctta  | ttacgtggaa  | accgttatcg | tacaatgggt  | tgatgaaagt  | 1224660 |
| tgcccttgaa  | aagaacgcat  | cacacacgac  | tgtgccagaa | atacgtttca  | gctgttcctg  | 1224720 |
| tatgctgata  | aggttaagagc | tgtaccagtc  | aacaagattc | ttctcacagc  | tttccagcgt  | 1224780 |
| tgcggtgtca  | ggtgtctgta  | cagagcccaa  | agtcatacat | tcatggttgt  | caacgtctat  | 1224840 |
| aactccaata  | ccggttatatt | ccagtccacg  | tttgtattca | ccggcacaac  | cggaccagaa  | 1224900 |
| atagccaatc  | cacggcggtt  | tgctgcctga  | ttttggaatg | aaagacggat  | caacggctat  | 1224960 |
| cgccttgca   | ccacctttaa  | ggtgttcct   | gatgatggct | tcattgaagg  | aaaaccagtc  | 1225020 |
| aaagccgtcg  | ttctcaaaat  | tggtgcggta  | tgtctgttcc | gagaaacatc  | cataccgtcc  | 1225080 |
| cattttagtg  | aaattgatgc  | ggtcaggtat  | agccatgaat | aatttcattg  | catccatgaa  | 1225140 |
| tactttctga  | aaagatttgc  | ttatatattac | agctgattcg | agagcgtttc  | tgactcggga  | 1225200 |
| ttggtattgc  | ataaggagtg  | attcctttagt | cataattaaa | agtgggtgaag | tactttctaat | 1225260 |
| ttactaaaaa  | tcagtgaatt  | atgaaatact  | ttttctgttg | attttcagct  | gttttagcata | 1225320 |
| tctttttcat  | cccttttctt  | actccttgac  | gatttattct | tgacagtatt  | tcaatgatct  | 1225380 |
| cttgaatata  | attttgaacc  | ggattatgcc  | gattctatgt | ttaattttta  | tttatcggtg  | 1225440 |
| aaaatttacc  | gaagtattgc  | cttaataata  | agtaataata | aaaatcacaa  | tttgttttga  | 1225500 |
| gttaataagc  | gtgaaaatat  | cacatttcgt  | tttggggaat | aatcacattt  | cgttttgagg  | 1225560 |
| cttgataaat  | cacatttcgt  | tttgaggctt  | gtacattttt | ctgactacat  | ggtttctgta  | 1225620 |
| gcagagtgt   | gtagcaaagt  | ttgactgaaa  | agtgactgcc | aaccgatgca  | aaatgggctt  | 1225680 |
| cacccgcaaa  | caaaaaatata | cgaaaaaagc  | accgtaatca | attgatatac  | ggtgctttga  | 1225740 |
| ctccttgagt  | gaaggctaaa  | ttgaaaacct  | tcaaaaaatc | tctctgcgga  | agctggggga  | 1225800 |
| ttcgaacccc  | cggtagcggt  | acccgtacgg  | cagtttagca | aactgctggg  | ttcagccact  | 1225860 |
| cacccaaact  | tccaaaaagg  | tagcgcatac  | gggaatcgaa | cccgtgtttc  | agccgtgaga  | 1225920 |
| gggccgcgtc  | ctaggccact  | agacgaaagc  | gccattttta | tcacgaaac   | tgaagcggaa  | 1225980 |
| gctgggggat  | tcgaaccccc  | ggtacggtaa  | ccgtagcggc | agtttagcaa  | actgctgggt  | 1226040 |
| tcagccactc  | acccaaactt  | ccagtttccg  | tagtttctga | ttgctgtttc  | tctcaaacgc  | 1226100 |
| ggtgcgaaga  | tagagggatt  | ttttgatttg  | tgcaaacttt | tgcaataactt | ttttatgctg  | 1226160 |
| tctgtgatgc  | ggtctggata  | gttttctgat  | tctaaactgg | ttaagaattt  | aatTTTTTTT  | 1226220 |
| cttcaattac  | aatacttcgg  | taaattttta  | ccgataaatt | aaaattaaac  | atagaatcgg  | 1226280 |
| cataatccgg  | ttcaaaaatta | tattcaagag  | atcattgaaa | tactgtcaag  | aataaatcgt  | 1226340 |
| caaggagtaa  | gaaaagggat  | gaaaaagata  | tgctaaacag | ctgaaaatca  | acagaaaaag  | 1226400 |
| tatttccataa | ttcactgatt  | tttagtaaat  | tagaagtact | tcaccacttt  | taattatgac  | 1226460 |
| taaagaatca  | ctccttatgc  | aataccaatc  | cgagtgcaga | aacgctctcg  | aatcagctgt  | 1226520 |
| aaatataagc  | aaatcttttc  | agaaagtatt  | catggatgca | atgaaattat  | tcatggctat  | 1226580 |
| acctgaccgc  | atcaatttcc  | tacaaatggg  | acggtatgga | tgtttctcgg  | aacagacata  | 1226640 |
| ccgcaacaat  | tttgagaacg  | acggctttga  | ctggttttcc | ttcaatgaag  | ccatcatcag  | 1226700 |
| ggaacacctt  | aaaggtggtc  | gcaaggcgat  | agccgttgat | ccgtctttca  | ttccaaaatc  | 1226760 |
| aggcagcaaa  | acgccgtgga  | ttggctattt  | ctggctccgg | tgtgccgggtg | aatacaaacg  | 1226820 |
| tggactggaa  | ataaccggta  | ttggagtatt  | agacgttgac | aaccatgaat  | gtatgacttt  | 1226880 |
| gggctctgta  | cagacacctg  | acaacgcaac  | gctggaaagc | tgtgagaaga  | atcttggtga  | 1226940 |
| ctggtacagc  | tcttacctta  | tcagcatata  | ggaacagctg | aaacgtattt  | ctggcacagt  | 1227000 |
| cgtgtgtgat  | gcgttctttt  | caaaggcaac  | tttcatcaaa | ccattgtacg  | ataacggttt  | 1227060 |
| ccacgtaata  | agccgtttca  | ggaatgatgc  | cgtattgttt | tatcccacct  | tagaaaatag  | 1227120 |
| gacaggaaaa  | cgcgagcgtc  | caaaattaca  | tgacgagaaa | attgactttg  | aaaatctgga  | 1227180 |

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|             |             |             |             |             |              |         |
|-------------|-------------|-------------|-------------|-------------|--------------|---------|
| catcacaaga  | tgtaccgagt  | acaaagtga   | caagggtaaa  | ctttacggac  | tgaaagcata   | 1227240 |
| ctccaaagca  | ctcaaacgct  | ttgtgagcct  | ggctgtatgg  | taccccatgg  | atggaagaac   | 1227300 |
| ggacaaaatgg | cagctgtatt  | tctctacaaa  | cgaataacag  | aacgcacagg  | atgtcctgga   | 1227360 |
| cttttacaga  | acacgtttcc  | aactcgaatt  | ctgctttcgg  | gatgccaaagc | aacatgccgg   | 1227420 |
| aatagcaaac  | tgtcagtcta  | cagacttcag  | gaaactggca  | ttccacttta  | atgcatcact   | 1227480 |
| tgcagcgata  | aacctcgcca  | aggctgcctg  | taagaagatg  | ggaataaaaat | attccatatac  | 1227540 |
| atcatgcaag  | tcagtcatac  | acaatgctta  | catgcttgaa  | cgattttattt | gcgtgtctgg   | 1227600 |
| gattgaacca  | aacacgcaat  | taattgacaa  | acttttcaa   | gaactcattt  | tattttactgc  | 1227660 |
| cagagccgct  | taggctgggc  | taatttttaa  | cgaactattg  | tcaattatgt  | acctttctggt  | 1227720 |
| taataataaag | aatggtcaca  | tcttaaatta  | tcaataacttg | ttttgtaatt  | attacaaaatt  | 1227780 |
| aataatatca  | ctaattttag  | gtattgtgta  | atgtgtgttt  | attgactatc  | tttgactcgc   | 1227840 |
| gttttcaa    | agaattagaa  | ctagattaaa  | ttatcgatta  | tggcaatgaa  | ttttaagaa    | 1227900 |
| ggctgttga   | accatgaaat  | caacgttacc  | gatttcgtaa  | agacaaacat  | aaccccttac   | 1227960 |
| gaaggcgacg  | cctcattttt  | ggctggtcct  | actgaacgta  | caaaggctgt  | atggaataag   | 1228020 |
| tgtttggaag  | ctttggctga  | agaacgtgca  | aataacggag  | tacgctcgct  | cgatccttct   | 1228080 |
| actgtttcaa  | ctatcacgtc  | ttttgctgct  | ggatatattg  | ataaggataa  | cgaggttatt   | 1228140 |
| gttggtttgc  | agactgacga  | agtgttacgt  | cgtgccatca  | agcctttcgg  | aggattattaag | 1228200 |
| gtagtagaaa  | aagcatgtcg  | tgaaaatggg  | gtagagggtg  | atcccagagt  | aaaagatatt   | 1228260 |
| tttactcatt  | accgtaagac  | acataatgat  | gggtgatttg  | atgcatatac  | ggaagaaatt   | 1228320 |
| cgttcattcc  | gttctttggg  | attcctgacg  | ggtttgccag  | ataactatgc  | gcgtggctcg   | 1228380 |
| ataattggtg  | actatcgctg  | tctggctttg  | tatggtctgg  | atcgtttgat  | tgaaacaaag   | 1228440 |
| caggatgatt  | tgcgccattt  | gacgggacct  | atgactgatg  | aacgcattcg  | tttgcggtgaa  | 1228500 |
| gaagttgcag  | aacaaatcaa  | ggcattgaaa  | gaaatcaagg  | tgtaggaca   | gcagtacgga   | 1228560 |
| cttgatttga  | gtcgtccggc  | aactacagca  | caggaagctg  | ttcagtggtg  | atatatggct   | 1228620 |
| tacttggcag  | ccgtgaagga  | acaggatggt  | gcggctatgt  | cattgggtaa  | tgtttcatct   | 1228680 |
| ttccttgata  | tttatataga  | atatgatatg  | aaccatggca  | atcttgatga  | gttacatgct   | 1228740 |
| caggagtga   | ttgaccagtt  | cgttatcaaa  | ttgcgtatgg  | tacgccacct  | gcgtatgcag   | 1228800 |
| gcttatacgg  | atatctttgc  | cggagatcct  | acttgggtga  | cagagtctat  | tggtggccgt   | 1228860 |
| ttcaacgatg  | gtcgtacaaa  | agtaactaag  | acatctttcc  | gtttcttgca  | gaccttgtat   | 1228920 |
| aacctcggtc  | cttcgccaga  | accaaacttg  | acggttctgt  | ggagtccgca  | gttgccggaa   | 1228980 |
| ggctttaaag  | atttctgtgc  | tcgtgtatct  | atcgacactt  | cttctattca  | gtatgagaac   | 1229040 |
| gacgacttga  | tgcgtgaagt  | gcgtaattca  | gatgattacg  | gtattgcttg  | ctgcgtatct   | 1229100 |
| tatcaggata  | taggccgtca  | tatccagttc  | ttcgggtcac  | gttgtaatct  | ggctaaggct   | 1229160 |
| ttgttgctgg  | ctatcaacgg  | tggacgttgt  | gagaatacag  | gaacattgat  | ggtgaaggat   | 1229220 |
| attccggtgc  | tgactgggtga | cgtgctgaac  | ttcgaagaag  | ttttggctaa  | ctataagaag   | 1229280 |
| gttttgaagg  | agatggcacg  | tgtatataat  | gaggcaatga  | acatcattca  | ttacatgcac   | 1229340 |
| gataagtatt  | attatgaaaa  | agctcagatg  | gcatttgtcg  | acacgaatcc  | ggctattaac   | 1229400 |
| ttggcttatg  | gtgtagcagg  | tatgtctatt  | gctgtcgatt  | ctctttctgc  | tattaaatat   | 1229460 |
| gcgaagggtta | ctgctaagcg  | taatgatatac | ggcttgacag  | aaagcttcga  | tattgaagggt  | 1229520 |
| gaattccctt  | gcttcggtaa  | tgatgatgac  | cgtgtagacc  | acttggctgt  | agacctgatt   | 1229580 |
| tactacttcg  | atgaggaatt  | gaagaaattg  | ccggtttata  | agaatgcgaa  | acctaccttg   | 1229640 |
| tctatcttga  | ctattacctc  | gaatgtaatg  | tatggtaaga  | agacagggtgc | tactccggac   | 1229700 |
| ggctgtgcta  | aagggtgtagc | ttttgctcct  | ggtgccaacc  | cgatgcatgg  | acgcgacaag   | 1229760 |
| aatggtgctg  | ttgcttcggt  | gagttctgtt  | gccaaattgc  | gttatcgtga  | ttctcaggat   | 1229820 |
| ggtatcagta  | atacgttctc  | tatcgttccg  | aaatcactcg  | gtgtagacat  | ggagaatcgt   | 1229880 |
| gtagaaaatc  | ttgtaacgat  | gatggatggt  | tatttcatca  | agggcgctca  | ccatttgaat   | 1229940 |
| gtaaatgtat  | tgaatcgtga  | aatgctggaa  | gatgccatgg  | agcatcctga  | aaaatatccg   | 1230000 |
| caacttacta  | ttcgtgtgtc  | gggctatgct  | gtgaacttca  | tcaaactgag  | ccgtgagcat   | 1230060 |

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|             |            |            |             |            |            |         |
|-------------|------------|------------|-------------|------------|------------|---------|
| cagttggaag  | taatttcgcg | cagcttccac | gaacgtatgt  | aatTTTTgtg | attattaata | 1230120 |
| gatcaataaaa | catttgcgt  | tctcctcgtc | gagctggacg  | gcaaattgtt | tttctttaga | 1230180 |
| ccgataagct  | gaaactgatg | attagagtac | attcatcacga | atcgcttgg  | acttacgacg | 1230240 |
| gaccgggtat  | tcgtcttgct | gtttttttgc | aaggctgtaa  | tttccggtgc | ttgtattgtg | 1230300 |
| ccaacccgga  | tacaattgat | gcgaaagggg | agagtaaaga  | aactgctcct | gaagatat   | 1230360 |
| taaagatggc  | gtcagccag  | aagcctttt  | tcgaaagaa   | aggaggaatt | acgttttagc | 1230420 |
| gcggtgagcc  | gacttttcag | gccaaagcat | tgattccttt  | gttccggatg | ctgaaagagg | 1230480 |
| tggttattca  | tatttgcgt  | gataccaatg | gtggaatctg  | gaatgaagat | gtgaaagagc | 1230540 |
| ttttttcgct  | tgccgacttg | gtattactcg | atgtaaagga  | gtttaataac | gagcggcata | 1230600 |
| aaacacttac  | ttcgcgcagc | aatgagcaga | cacttcgtac  | ggcagcatgg | ctggaagaga | 1230660 |
| atggaaagcc  | attttggctg | cgttatgtat | tggtacaagg  | atatagtttc | ttccgtgaag | 1230720 |
| atatagaagc  | tttaggagaa | cattttaaag | actatcgat   | gatacaacgg | gtggaaattc | 1230780 |
| ttccgtatca  | tacattggga | gtacataaat | atgaagcgat  | gaagctggag | tataagctga | 1230840 |
| aagaggtgaa  | gcaaaatacc | cctgaacagt | tagaggaagc  | ccggacactt | ttcgagaagt | 1230900 |
| attttcagac  | ggtttatgta | aattgatttt | ttgctttata  | cctacatgac | tggttgcatt | 1230960 |
| gcgtaacttg  | tttattataa | atctatgaaa | cgagaggtga  | ttggaaatta | aagcttcatt | 1231020 |
| acatatatag  | tgactgtaaa | gctaagatag | gtttacttat  | aatctataag | ttacaacata | 1231080 |
| aaaatctcct  | actttagtct | ttgttttctt | caattacagg  | actaaaagta | ggagattttt | 1231140 |
| tacttctaag  | cttcaatcta | taagattttt | acttttgaaa  | ttctattttg | agacggcttc | 1231200 |
| tttagcagcc  | ccttttcggt | tcaatgagaa | aaagaattcc  | aaaattctat | gttgaatgat | 1231260 |
| tcatcactta  | gcgaaaatca | tttctttttc | ttctgcaagt  | cgatggcata | ggccaatata | 1231320 |
| acgatgaagc  | agagcagagg | tacaatgaat | ccagtggcag  | tattgattgt | atcagctatg | 1231380 |
| taacccatga  | taatgggagc | tatagcacca | cctacaatac  | tcataataag | gtacgaggaa | 1231440 |
| gctcgtttgg  | tatgttcgcc | tacaccgcgg | atggctaagg  | caaaaatgg  | agggaacata | 1231500 |
| atcgattcac  | ataaaaagca | aaagaagaaa | gctcctgagg  | atatgttacc | taatcccata | 1231560 |
| ataactaata  | ccattgccac | tatagctccc | gctgatacga  | aagctaatag | acgttcggca | 1231620 |
| cgaataaaatc | ccataaccac | gctgccagcc | attcgctcctg | ccatgaacaa | tcccatacct | 1231680 |
| acaaacgaaa  | gccatagggc | agcttcacgg | gcagatatat  | tgacatgctc | tgtcacatag | 1231740 |
| ttgataaaaga | aactgttgat | tcctgttttg | gctgcaacat  | agaaaaacag | ggcaataagt | 1231800 |
| ccgaagggtga | agttgcgatg | cttcataaaa | gaagatcggt  | cacaagtcgt | agttgcccct | 1231860 |
| gtcggttctt  | ctggaagagc | tatttcaggc | aaatgaatgc  | gtgcaaagac | aatcgctaca | 1231920 |
| agaagtacca  | gtatgccgat | gatagcgat  | ggaatggcaa  | tgtttccgct | tccaccgtcg | 1231980 |
| gcagagaaaa  | gaaatagtcc | tccgaccagc | ggaccgcaaa  | tccatcccaa | tccgttgaat | 1232040 |
| gactgtgcca  | gattaattct | tctttcagaa | gattctttgt  | cgctaatac  | tgtcacgtag | 1232100 |
| ggattggctg  | ctgtttccag | acaagtcagt | ccacatccga  | tgataaataa | cgataacaag | 1232160 |
| aaaaattcga  | aagacataat | ccgttctccc | ggaataaaca  | tgagtgcgcc | cataccgtag | 1232220 |
| agtaacaatc  | cggtgacaac | tcctgtccga | tagccgtagc  | gacggatgat | ttctcccgc  | 1232280 |
| ggcatggcca  | tcaggaaata | tccaccgtat | acaacagcct  | gcactagtgc | ggaatgtgtt | 1232340 |
| ttcgaataac  | ttagtgcac  | ttgaaaatgt | ttgttcagta  | catccagaat | gctatgggca | 1232400 |
| aatccccaca  | aaaagaacaa | tgtagtaatg | agtacaaacg  | gcacgaggta | attcaccctg | 1232460 |
| tcggccgtct  | gtaccaat   | tatttttggc | ttcatataac  | tttcttgata | atgtttaact | 1232520 |
| gcggctcact  | tccagtcctt | tgttcgaaag | actcatttca  | acgaaacggg | cacgattgtt | 1232580 |
| gggtggattc  | tgagtcagaa | ttttgcggat | gcgtacggct  | gcttccggat | cttttgcaac | 1232640 |
| catgtacaaa  | tatcctcctc | ctccggctcc | aggaagtttg  | tatcctaagc | agagatcgct | 1232700 |
| tatctggcgg  | gttatggcaa | ctaccgcagc | cggattgggt  | ccggtatcaa | gcaactgatt | 1232760 |
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| atcgtataga  | tcgagtgc   | gttgcttc   | ctgtccaagc  | aggttcagat | gttctgtcga | 1232880 |
| attgaggaac  | attccacgta | cgatttcggc | caggatacct  | tttgccgtac | gggtaatacc | 1232940 |



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|-------------|-------------|-------------|-------------|-------------|------------|---------|
| tgtataatac  | agcagatggc  | actgacggta  | ttcatcgcct  | gtaaacagat  | gatcggggag | 1233000 |
| ccagcgtacc  | atgggttcct  | gattccatcc  | ggaatgcgtt  | tgtaacaatt  | taacgccttg | 1233060 |
| caggactcct  | ccgtattgat  | cttgccagcc  | accaccggta  | gtaagcagtt  | gttccagtat | 1233120 |
| aagtgtgcga  | ctacctat    | catgtttatc  | ccagttcagg  | ccgcagaaat  | cattaatcgc | 1233180 |
| tcccaagact  | gtagatgcaa  | gaatggaact  | tgtacctaat  | ccggaaccgg  | caggaatggc | 1233240 |
| tgaaagaagg  | gttacttcaa  | tacctgctcc  | gaaagagcga  | agcttatcct  | ctaataaggt | 1233300 |
| acaagtttcg  | gctgagaaat  | caggatggaa  | gccggcta    | accaatgcgg  | ccttaggaat | 1233360 |
| agagaaggga  | gaacctac    | tattaaaggt  | atgaagttct  | tcgaaagtcg  | taataacttc | 1233420 |
| cattgctccc  | aaatcgatgg  | aacggagaat  | gattttgtac  | tccttgcaag  | gtttaacata | 1233480 |
| cacttgtaac  | ggaggttgcc  | cgtttaattc  | gatggcgata  | tttaccacat  | ttccgccttc | 1233540 |
| catcagacta  | tagggcggtg  | tatcgggtcca | tcctcctgcc  | aggtcaatac  | gtacggggct | 1233600 |
| tcgcccccat  | acaatctggt  | ccggataaac  | cgaaggcgga  | ggctgctggt  | tgtggtcgac | 1233660 |
| cgctgaagtc  | agaccttcgc  | gcatcaggct  | gaatgctttt  | tcttcttccc  | gtgcaatttc | 1233720 |
| atgtgtccgt  | tgcccgctcag | tatcacaaag  | ctgtaatggt  | cggtgcacgga | acatcgcac  | 1233780 |
| gctgatacgt  | gtcatcagag  | gagctgaatc  | gggaagggga  | gcaggcagcg  | gcaactggta | 1233840 |
| gcgtgcatat  | tcttctgctg  | cttcttgcaa  | gttgagctga  | tagaacacac  | tgcgctcgta | 1233900 |
| gttttttgcc  | aaagcagtc   | aactatcctt  | gcggaacaag  | ttgcgctgct  | gtgtcagctc | 1233960 |
| gcgcagatta  | gcataagcag  | aaatctcatc  | agccgatatt  | tttttagatt  | tcagccaaat | 1234020 |
| ttcttttcca  | gcttctaatt  | cgggctcact  | ggcatccat   | cgtatgacta  | atcccaaata | 1234080 |
| ctcaatcgta  | tgacataacc  | ggaagatacg  | tgagcctga   | aggtcgtaag  | gctgttcaat | 1234140 |
| actttccgga  | ctcagtcgcg  | gaagggtga   | ccatttcttt  | accggtattc  | cttgatagag | 1234200 |
| tgtagagtca  | ttatccaaac  | ttcctttgaa  | agcgtcgttg  | aagccataag  | gacgagctac | 1234260 |
| atagtcgttt  | tctcccattg  | gcactacatc  | gatacaaata  | ccttcgggta  | cattgatatg | 1234320 |
| ccattgattg  | acgggtactc  | ctgtgataat  | gttgcgggcg  | tggagagacc  | agcctttacc | 1234380 |
| tatacaactg  | ttttctatcc  | agacttcagg  | attgtctgct  | gtcaatgtat  | aatcgattat | 1234440 |
| tgcattttgt  | acaaagatag  | ccggatgcgg  | ttttaccttt  | ttatgcatga  | tggcacgctg | 1234500 |
| gtcgtatgaca | caattctgta  | cagccagtgt  | agatgaaatc  | atctcccggc  | ttgttccgta | 1234560 |
| atgatggaat  | tctcctccc   | gtagtggaa   | gattgtctact | gtcagttcat  | tcaactcctt | 1234620 |
| gtcgtttata  | cgcggtgtgt  | tgcccaaggc  | cggaccaaat  | tcggaataca  | tgtcataaaa | 1234680 |
| gccgatggat  | ccgtctgatt  | tagttgagcg  | ttttaccatc  | agttctacag  | cccggctcgt | 1234740 |
| tagcagccaa  | ataccgat    | ccatcaggaa  | gagataatc   | tgcatcaaag  | agcccaattc | 1234800 |
| ttctacactg  | ggtttctgaa  | gcataaaatc  | cagttcctct  | ggattggtgc  | gtgaagagac | 1234860 |
| aaatacgccg  | tgattctttg  | ccagttcagg  | gtctaccat   | aatccatagc  | atacaacgct | 1234920 |
| gacatctgga  | atatcttgta  | gcgcttcctt  | ggcgcaatg   | tatacatcgc  | cgctggcaat | 1234980 |
| gagagtatgc  | aagccatcgg  | gggccttttg  | cataatctgc  | tcgtaaagcg  | ggagctggag | 1235040 |
| cgacaacaga  | ttctgtgtga  | gccgttgtcc  | gcgtccccag  | cggaaataccg | ggatgggcgt | 1235100 |
| caatatTTTT  | ccagatggag  | cataagctgg  | taatcttcga  | ccttgtccgc  | cggcatgtag | 1235160 |
| tagaatacgt  | ttttcattgc  | ctagccagtc  | agtgagttag  | gaggtattac  | cttcttctgt | 1235220 |
| cttgcatgct  | tgtaaaagcc  | atgcagtc    | tcctccagat  | cctaattttg  | ctcctatagg | 1235280 |
| atcggacgta  | caaaaccatt  | cgtttcgggt  | ggcatgttct  | atatcgtaaa  | agcattccac | 1235340 |
| cagattttggt | ggaagcgata  | ataatttttt  | cattttttgt  | atacggtttg  | atgattgatg | 1235400 |
| caaatacctt  | tcaggtacca  | ttcatacaag  | cgggtgtatac | cttcgtctat  | ctcaatcttg | 1235460 |
| tggtgccagc  | ctaaaccatg  | cagtttgga   | acatctgtca  | gcttgcgcat  | ggttccatct | 1235520 |
| ggcttggaag  | catcccagtg  | cagttcgcct  | ttgaaatcaa  | tttctttcat  | gattttttca | 1235580 |
| gcaacttcac  | ggatggacag  | ctctttacc   | gtaccaacgt  | tgatgtggca  | attacgtatt | 1235640 |
| tctttcgccc  | cttcagtata  | agtatctttg  | aagtcgacat  | tcagtaatac  | gtgaacgctg | 1235700 |
| gcacttgcca  | tttcttcgct  | ccacaagaat  | tcgcgcaacg  | gcttgccggg  | tcccaaaaga | 1235760 |
| gtgacagcct  | gaggagtaat  | accgaatttt  | tccagcttgt  | ctagaatttc  | ctgattggag | 1235820 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| caattgccgt  | tcacaccttc | caccggctcg  | agattgatat  | ccttgccggac | agcatcccag  | 1235880 |
| ttgcccttcat | tcaggcattt | agccaaatgg  | atthttgcgga | tcattggctgg | caatacatga  | 1235940 |
| ctgttttcaa  | gatggaaatt | atcgtttagga | ccatataagt  | tggttggcat  | tactgcaatg  | 1236000 |
| taatttgtac  | catattgcaa | gttgaagctc  | tcacacatct  | tcaatccggc  | gattttttgca | 1236060 |
| atggcatacg  | gttcgttggg | gtattccagt  | ggagaggcaa  | gaagaacttc  | ctctttcatc  | 1236120 |
| ggttgaggag  | cctcgcgtgg | ataaatacat  | gtgctgccta  | agaataataa  | tttctttact  | 1236180 |
| ccgtgacgga  | agctttctcc | tattacattc  | tgctggattt  | gtaaattctg  | gtaaatgaaa  | 1236240 |
| tctgcgcggt  | attgcagggt | tgccataatg  | cctcccacat  | gtgctgctgc  | cagaacaacg  | 1236300 |
| gcatacgggac | attcttcatc | gaaaaatgtc  | cgtacagcta  | ccggatcgag  | cagggtctagt | 1236360 |
| tctttatgtg  | tgctgcctac | caagttcgta  | tatccgcgct  | gtatcagatt  | ttcccaaata  | 1236420 |
| gcagagccaa  | ccagcccacg | atgccctgct  | acgtatatth  | ttgctgattt  | ttctaactatg | 1236480 |
| ttgaattacg  | ttaaagcaga | aacgcggact  | gtaataacta  | agtccgcggt  | cctgaaattt  | 1236540 |
| ttcaagtctt  | aagcaaaact | aaagaaacgg  | acttccattt  | ctacttcttc  | tattgcagaa  | 1236600 |
| tcgaagcacg  | gcaattatac | tacttttgta  | tgcaatttct  | ttacgaactt  | catgtcatgc  | 1236660 |
| tctaccatga  | tacgtacgag | ttctgcgaaa  | ggagtctttg  | tcggattcca  | gccaacaaaa  | 1236720 |
| tctttggctt  | tgcttgggtc | accagtaac   | tgttcaactt  | cacacgggcg  | gaaatatthg  | 1236780 |
| ggatcaactt  | ctaccaatac | acgtccggtt  | gcacggctga  | tacctttttc  | gtcaacgcca  | 1236840 |
| cttcccttgcc | attcaagttc | gatacctaaa  | tactggaagg  | ccagtgtaca  | gaattcacgt  | 1236900 |
| acggtatgca  | tttctccggt | tgctataaca  | aagtcttcag  | gcttttcata  | ttgcaggata  | 1236960 |
| agccacatac  | attctacata | atctttggca  | tatccccagt  | cgcggcgtgc  | atccaagtta  | 1237020 |
| cccagatata  | atttatcttg | gaacccttgt  | ttgatacgtg  | cagcagccag  | tgtgattttt  | 1237080 |
| cgggttacga  | aagtttctcc | tcggcgctcg  | gactcgtggt  | tgaacaagat  | tccgtttacg  | 1237140 |
| gcaaacatat  | tatagctttc | acgatagttc  | ttggtaatcc  | agaagccata  | ttgtttggct  | 1237200 |
| actccgtacg  | gagagcgtgg | gtagaatggg  | gtcgtttctt  | tttgaggaa   | ttcctgtacc  | 1237260 |
| tttccgaaga  | gttcggatgt | agaagcctga  | taaatacggc  | aagtcttttc  | caaaccgcaa  | 1237320 |
| atacgtacag  | cttccagcaa | tctcaaagtg  | cctattgcat  | cagcttcagc  | tgtatattht  | 1237380 |
| ggtacatcga  | atgatactth | tacatggctt  | tgagctgcta  | agttgtagat  | ttctgtagga  | 1237440 |
| tgaatatcac  | cgataatacg | gatcaatgaa  | ctggagtcag  | tcatactctc  | ccaatgcaga  | 1237500 |
| ttcaccaaac  | gtgattgttt | catgtcgcgt  | accattcat   | ctaaatacaa  | atgtttcaata | 1237560 |
| cgtcccgtat  | tgaatgatga | tgagcgacgc  | agaataccat  | gcacctcata  | tcctttttca  | 1237620 |
| atcaggaatt  | cggcaaggta | agaaccgtct  | tgtccggtta  | taccggtgat  | taaagcaact  | 1237680 |
| tttctcataa  | ataaacctth | ctcaaaagat  | taaatctcat  | tattattaag  | gcaatacttc  | 1237740 |
| ggtaaattht  | taccgataaa | ttaaaattaa  | acatagaatc  | ggcataatcc  | ggttcaaaat  | 1237800 |
| tatattcaag  | agatcattga | aatactgtca  | agaataaatc  | gtcaaggagt  | aagaaaaggg  | 1237860 |
| atgaaaaaga  | tatgctaaac | agctgaaaa   | caacagaaaa  | agtattthcat | aatttactga  | 1237920 |
| tttttagtaa  | attagaagta | cttcaccact  | tttaattatg  | actaaagaat  | cactccttat  | 1237980 |
| gcaataccaa  | tccgagtgcg | gaaacgctct  | cgaatcagct  | gtaaatataa  | gcaaatctth  | 1238040 |
| tcagaaaagta | ttcatggatg | caatgaaatt  | attcatggct  | atacctgacc  | gcatcaattt  | 1238100 |
| cctacaaatg  | ggacggatg  | gatgtthctc  | ggaacagaca  | taccgcaaca  | atthttgagaa | 1238160 |
| cgacggctth  | gactggthtt | ccttcaatga  | agccatcatc  | agggaaacacc | ttaaagggtg  | 1238220 |
| tcgcaaggcg  | atagccgttg | atccgtctth  | catttcaaaa  | tcaggcagca  | aaacgccgtg  | 1238280 |
| gattggctat  | ttctggctcg | gttgtgccgg  | tgaatacaaa  | cgtggactgg  | aaataaccgg  | 1238340 |
| tattggagtt  | atagacgttg | acaaccatga  | atgtatgact  | ttgggtctctg | tacagacacc  | 1238400 |
| tgacaacgca  | acgttggaag | gctgtgagaa  | gaatcttggt  | gactgggtaca | gctcttacct  | 1238460 |
| tatcagcata  | caggaaacag | tgaacgtat   | ttctggcaca  | gtcgtgtgtg  | atgcgttctt  | 1238520 |
| ttcaaaggca  | actthcatca | aaccattgta  | cgataacgg   | ttccacgtaa  | taagccgtth  | 1238580 |
| caggaatgat  | gccgtattgt | tttatccac   | cttagaaaat  | aggacaggaa  | aacgcggacg  | 1238640 |
| tccaaaatta  | catgacgaga | aaattgactt  | tgaaaatctg  | gacatcaca   | gatgtaccga  | 1238700 |

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| ctttgtgagc | ctggctgtat  | ggtaccccat  | ggatggaaga  | acggacaaat  | ggcagctgta  | 1238820    |         |
| tttctctaca | aacgaaatac  | agaacgcaca  | ggatgtcctg  | gactttttaca | gaacacgttt  | 1238880    |         |
| ccaactcgaa | ttctgctttc  | gggatgccaa  | gcaacatgcc  | ggaatagcaa  | actgtcagtc  | 1238940    |         |
| tacagacttc | aggaaactgg  | cattccactt  | taatgcatca  | cttgcagcga  | taaacctcgc  | 1239000    |         |
| caaggctgcc | tgtagaaga   | tgggaataaa  | atattccata  | tcatcatgca  | agtcagtc    | 1239060    |         |
| acacaatgct | tacatgcttg  | aacgatttat  | ttgcgtgtct  | gggattgaac  | caaacacgca  | 1239120    |         |
| attaattgac | aaacttttca  | aagaactcat  | tttattttact | gccagagccg  | cttaggctgg  | 1239180    |         |
| gctaattttt | aacgaactat  | tgattaaggg  | caaagttata  | ttaaaaaact  | agcatgacca  | 1239240    |         |
| agacttgctt | gtttttctta  | cattttatatt | gaaaaccatt  | tcgtggctta  | tgaaaatttt  | 1239300    |         |
| acgtattccg | agaatggctt  | aacttggttt  | acaatacttc  | ggtaaat     | taccgataaa  | 1239360    |         |
| ttaaaattaa | acatagaatc  | ggcataatcc  | ggttcaaaat  | tatattcaag  | agatcattga  | 1239420    |         |
| aatactgtca | agaataaatc  | gtcaaggagt  | aagaaaagg   | atgaaaaaga  | tatgctaaac  | 1239480    |         |
| agctgaaaat | caacagaaaa  | agtatttcat  | aattcactga  | tttttagtaa  | attagaagta  | 1239540    |         |
| cttcaccact | tttaattatg  | actaaagaat  | cactccttat  | gcaataccaa  | tccgagtgc   | 1239600    |         |
| gaaacgctct | cgaatcagct  | gtaaatataa  | gcaaatcttt  | tcagaaagta  | ttcatggatg  | 1239660    |         |
| caatgaaatt | attcatggct  | atacctgacc  | gcatcaattt  | cctacaaatg  | ggacgggatg  | 1239720    |         |
| gatgtttctc | ggaacagaca  | taccgcaaca  | atgtttgagaa | cgacggcttt  | gactgggttt  | 1239780    |         |
| ccttcaatga | agccatcatc  | agggaacacc  | ttaaagggtg  | tcgcaaggcg  | atagccgttg  | 1239840    |         |
| atccgtcttt | cattccaaaa  | tcaggcagca  | aaacgccgtg  | gattggctat  | ttctgggtccg | 1239900    |         |
| gttgtgccgg | tgaatacaaa  | cgtggactgg  | aaataaccgg  | tattggagtt  | atagacgttg  | 1239960    |         |
| acaaccatga | atgtatgact  | ttgggctctg  | tacagacacc  | tgacaacgca  | acgctggaaa  | 1240020    |         |
| gctgtgagaa | gaatcttgtt  | gactggtaca  | gctcttacct  | tatcagcata  | caggaacagc  | 1240080    |         |
| tgaaacgtat | ttctggcaca  | gtcgtgtgtg  | atgcgttctt  | ttcaaaggca  | actttcatca  | 1240140    |         |
| aaccattgta | cgataacggt  | ttccacgtaa  | taagccgttt  | caggaatgat  | gccgtattgt  | 1240200    |         |
| tttatcccac | cttagaaaat  | aggacaggaa  | aacgcggacg  | tccaaaatta  | catgacgaga  | 1240260    |         |
| aaattgactt | tgaaaatctg  | gacatcaca   | gatgtaccga  | gtacaaagt   | aacaagggt   | 1240320    |         |
| aactttacgg | actgaaagca  | tactccaaag  | cactcaaacg  | ctttgtgagc  | ctggctgtat  | 1240380    |         |
| ggtaccccat | ggatggaaga  | acggacaaat  | ggcagctgta  | tttctctaca  | aacgaaatac  | 1240440    |         |
| agaacgcaca | ggatgtcctg  | gactttttaca | gaacacgttt  | ccaactcgaa  | ttctgctttc  | 1240500    |         |
| gggatgccaa | gcaacatgcc  | ggaatagcaa  | actgtcagtc  | tacagacttc  | aggaaactgg  | 1240560    |         |
| cattccactt | taatgcatca  | cttgcagcga  | taaacctcgc  | caaggctgcc  | tgtagaaga   | 1240620    |         |
| tgggaataaa | atattccata  | tcatcatgca  | agtcagtc    | acacaatgct  | tacatgcttg  | 1240680    |         |
| aacgatttat | ttgcgtgtct  | gggattgaac  | caaacacgca  | attaattgac  | aaacttttca  | 1240740    |         |
| aagaactcat | tttattttact | gccagagccg  | cttaggctgg  | gctaattttt  | aacgaactat  | 1240800    |         |
| tggtttaaac | aatctaaatt  | tatatagccg  | tatatacaat  | cgcattgatt  | taacggaatg  | 1240860    |         |
| ctctggaacg | agtcggaagg  | ggaaaccgtt  | tccggctatc  | cttatccttt  | agacaaagag  | 1240920    |         |
| ctggctgaaa | aaatgatgac  | ctatggtata  | gctaaataga  | tttattttgta | cttttgctcc  | 1240980    |         |
| gcaaaaacaa | tagatgttat  | gaaaccgatt  | caaaagatca  | acaagggtgga | agtcgcaac   | 1241040    |         |
| ctgcaaatcg | aggactatgc  | ccaattagct  | cagtcgttta  | cccgcgtcta  | tgcagacaag  | 1241100    |         |
| gatgtattct | ggacacatga  | gcagatagag  | aagctgatta  | agatttttcc  | ggaaggacag  | 1241160    |         |
| attgttaccg | tcgttgatga  | taagattgtg  | ggatgtgcac  | tttctatcat  | tgtagattac  | 1241220    |         |
| gatatggtaa | aggagatca   | tacgtatgca  | aaagtaacag  | gaaacgaaac  | attcaatata  | 1241280    |         |
| cataatccta | aagggaatat  | tttgatggt   | atagaagtat  | tcattcatcc  | cgattacaga  | 1241340    |         |
| ggtctgagac | tggctcgccg  | tatgtatgaa  | taccgtaagg  | aactttgtga  | aaagctgaat  | 1241400    |         |
| ctgaaagcta | ttatgttttg  | tggacgtatt  | caaactatc   | acaagtatgc  | tgatacgatg  | 1241460    |         |
| cgtccgaagg | aatatattga  | gaaagttcgt  | tcacgtgaaa  | tttatgacc   | ggtattgact  | 1241520    |         |
| ttccagcttt | caaacgattt  | ccacgtacgt  | cgtgtgatgc  | gtaattattt  | gccgaacgat  | 1241580    |         |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| gaggaatcca  | agcattgcgc  | cactttgttg  | cagtgggata | acattttatta | tcagccgcct  | 1241640 |
| acagattcgt  | atgtagaccg  | taagacaacg  | gttcgtgtgg | gactgggttca | gtggcagatg  | 1241700 |
| cgttcgtaca  | agacgctgga  | tgacgtattc  | gaacaggtag | agttctttat  | cgatgccgta  | 1241760 |
| tctggctatc  | agagtgtatt  | tgtattgttc  | cccgaatatt | tcaatgctcc  | gttgatggca  | 1241820 |
| aagtttaacg  | acatgggaga  | agctcagtct  | atccgtgccc | tggctcaata  | tacggaagag  | 1241880 |
| gttcgcgatc  | gtttcatcaa  | tcttgccatc  | aagcataata | tcaatatcat  | taccggaagt  | 1241940 |
| atgccttatg  | taaaggaaga  | taacggattg  | tacaacgttg | gtttcctgtg  | ccgtcgtgac  | 1242000 |
| ggtacatacg  | aaatgtacga  | aaaagtacat  | gttaccgccg | acgaagtaaa  | gagctgggga  | 1242060 |
| ttgagtggcg  | gacgtatggt  | aaagacattc  | gatacggact | gtgccaagat  | cgggtgtgctg | 1242120 |
| atttggttacg | atgtggaatt  | cccgggaactg | tcacgtctta | tggctgatca  | gggtatgcag  | 1242180 |
| atattgtttg  | ttcctttcct  | gaccgatacg  | cagaatgggt | attcgcgtgt  | acgtgtatgc  | 1242240 |
| gcacaggctc  | gtgccataga  | aaatgagtg   | ttcgtcgtaa | tagcaggaag  | tgtaggtaac  | 1242300 |
| ttgccgcgtg  | ttcacaatat  | ggatattcag  | tatgcgcagt | cgggagtatt  | tactccttgt  | 1242360 |
| gactttggat  | tcccgacaga  | tggaaaacgt  | gctgaagcga | ctccgaatac  | ggaaatgatt  | 1242420 |
| ctggtatcgg  | atgtagacct  | tgatttgcgt  | aacgagttgc | atacatacgg  | aagtgtacgt  | 1242480 |
| aaccttcgcg  | accgtcgtaa  | cgacttgtat  | gagctcaaga | tgaagaaata  | aaataaaaaa  | 1242540 |
| acgaatttta  | caggaagatt  | cccaattctt  | ttcagattcg | gacgatagtt  | ttgcagtaga  | 1242600 |
| aaattaaagc  | aaaacaagta  | taaacttaaa  | aaattacgat | tatgaaaaaa  | ttggtattct  | 1242660 |
| tcttggtttg  | tttggtcaca  | atgcaagttg  | taatggcaga | taatgataaa  | cctatcagtt  | 1242720 |
| tcgaacaact  | tccgaaggca  | gctcagtcgt  | ttgtaaagaa | acattttgcc  | aataagaatg  | 1242780 |
| tggcattctc  | aaaggtagat  | aaaggcttgt  | tcgatacaac | ttacgacgtg  | atgtttgtcg  | 1242840 |
| acggagacaa  | aataagagttt | gataagcaag  | gcaactggac | agaaatgaaa  | tgtaaacgta  | 1242900 |
| cgttcgttcc  | cgaagcagct  | gttccgacac  | agattgtaaa | gtacgtaaaag | acaaattatc  | 1242960 |
| cggatgctaa  | aatcttacag  | attgaaaagg  | accgctacga | atatgaagtg  | agattgtcaa  | 1243020 |
| atttctggga  | gttgaagttc  | gatttgaagt  | ataacttgat | tgatatggac  | cgggatgacg  | 1243080 |
| attgattgtc  | attcgttctg  | attagttcac  | ataaaaagg  | atattcagta  | aatgtcccca  | 1243140 |
| aaataagatg  | gcatatgaaa  | tgattatggt  | ctatcatctt | catatgccat  | tttttattgt  | 1243200 |
| catttttcca  | tgtattctca  | cataattcta  | tccgtcagga | catgacactt  | ctgaagaagc  | 1243260 |
| cagatgacct  | cttccgattc  | cgtcagtaaa  | atcatatcat | gccgctttta  | ccgtcctggt  | 1243320 |
| cctgatcttg  | tcaatcatca  | gtacggcatt  | tgccgtatgt | attccgaaga  | aaatccatag  | 1243380 |
| gatttccgtc  | ctcctgttcc  | gtgcctttac  | cctggagagc | gagtaatgct  | gcttctgtgt  | 1243440 |
| gccgaaactg  | ccttcaagcc  | gggtgccctt  | ttctttggag | agttcacttc  | tgagaacctt  | 1243500 |
| cctcaaggat  | tcatccctgg  | ccgcccttcc  | cttgcgtacg | aaggacgtgg  | agattccgta  | 1243560 |
| tttcgtgcag  | aacttcctgt  | tggcgttatt  | ggcatatatg | gaatcggctg  | ccacgcattc  | 1243620 |
| tacccttacg  | ttcatgagtt  | tctgctgcat  | gcgaatgcag | tccttcaggc  | gtatcccctc  | 1243680 |
| gttgaaaagcc | ttgaacgaga  | ggtgttcgat  | gaacgatatg | ccgtctatct  | gtatgttggt  | 1243740 |
| taccttcgca  | ccgaactcga  | cggatttcgt  | ttccttacct | cttacgatgg  | gacgtacata  | 1243800 |
| atgacggtca  | atgctgacga  | tgcggtcact  | gacttttctg | ccttcaaaca  | tttgcttttc  | 1243860 |
| ctgtacaaga  | acctttctga  | tgatggaaag  | ccgcttccgg | taatcctgag  | tataccggag  | 1243920 |
| tgaggctcca  | tgctccctat  | gaattccatc  | ccgctgcatg | aggagttttt  | caaggagtct  | 1243980 |
| aatcatacga  | cgcttgagca  | tccttgtcct  | tgatgccttt | ctctttcttt  | tcttacagta  | 1244040 |
| ggacagataa  | gccttggcaa  | catcatcata  | tttggttcgg | ggacgtctta  | tgccaagtcc  | 1244100 |
| cccgcaatgc  | ttgcagatat  | gcctgtagag  | ccattcgagg | ctttcccaaa  | ggagcttcac  | 1244160 |
| gtctgtcggg  | aaacgcattg  | ggctttcata  | gcatgtagca | tcggtcatgc  | acacgtgaag  | 1244220 |
| gttctcaaga  | taaggtttcc  | agtgtgaggc  | cagcacttcc | tggagggtat  | caatgtcaag  | 1244280 |
| acgggatgcc  | atctcattgc  | ggatggcact  | gactatcttg | tagttgggtta | tggggaagga  | 1244340 |
| cgggtctatc  | atgattccgc  | agaacatctg  | atagtgtatg | ttgccgttca  | gatgttccac  | 1244400 |
| cagctgtctg  | tcggagaatc  | cgggtgatgc  | cttcaggacc | atgagggcaa  | tctttgccgc  | 1244460 |

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|             |            |             |             |             |            |         |
|-------------|------------|-------------|-------------|-------------|------------|---------|
| agggctgaag  | atgttcctgc | gtcccagtcg  | ctgttccaac  | aggcccaagg  | cttttgccat | 1244520 |
| acgctcaaac  | ggaaacaccg | agtgaagcct  | gccaaagctca | ctctcgtaa   | aactcttgcg | 1244580 |
| gtatttttcc  | agaatatcaa | attctgtaaa  | gccaaagca   | ggctgaattt  | ctgaaatatt | 1244640 |
| ttgtactttt  | gccatatctt | ggttggggaa  | tttccccgt   | tttggctgcc  | aaaccttatt | 1244700 |
| tgcgggggaa  | tacctaaga  | tacaaaaaag  | ccagctaatt  | cgcaacactt  | tgtgtatgaa | 1244760 |
| ttagttggct  | aattttatat | tatttactga  | atgtccctaa  | aaaaaggata  | tattcttcgg | 1244820 |
| ctactgcatg  | atagccaagg | atatatcctc  | ttttagttat  | gatctctcct  | tatttgtaaa | 1244880 |
| gatcttcttt  | gtagttgaat | agccagtcgg  | cctccttcag  | gagcggatga  | tgtttgtctt | 1244940 |
| tttcagaaaag | aacaaccttg | tcagccggaa  | tccgccagtc  | aatgccgaga  | gctggatcat | 1245000 |
| tccatgctat  | ggcaccttca | ctctgaggag  | catagaagtt  | gtcgcactta  | tactggaaga | 1245060 |
| taacttcatc  | ggtcaggaca | ctgaaacat   | gagcgaagcc  | acgtggaata  | aagaactggc | 1245120 |
| gatgattttc  | ttcggtcagt | tcaactgcca  | catgctggcc  | gaaagtagga  | gagcctttac | 1245180 |
| gaatgtcgac  | tgctacgtcg | aggacagctc  | cttttaccac  | gcgaaccagc  | ttgctttgtg | 1245240 |
| cgaaagggtg  | tttctggaaa | tgcagtcgcg  | gcaatactcc  | ataacttgat  | ttactttcat | 1245300 |
| tgtcctgcac  | gaaacgtacg | gtacgtactt  | gtgcgttgaa  | atctctttca  | gaaaaagatt | 1245360 |
| caaaaaaata  | tcctctgtcg | tctttaaaca  | aacggggttc  | gataataact  | accccgctcg | 1245420 |
| tagctgtttt  | gataacgttc | atcttctgta  | tataaataag  | tatttaatcg  | tttagtccca | 1245480 |
| gttcgtcgat  | tactttcagc | aggtactggc  | catattgggt  | cttttagcata | ggctgtgcga | 1245540 |
| gctgacgcat  | tttttcggct | gtgatccagc  | catggcgtaa  | agcaatgcct  | tccagacagg | 1245600 |
| ctactttcag  | tccctgacgt | ttttctatca  | cttcgatata  | agtagatgct  | tctgccagcg | 1245660 |
| aatcgtgtgt  | tcccgtgtca | agccatgcaa  | atccacgtcc  | cagtgtttgc  | acttttaatt | 1245720 |
| ctccatcggc  | aaggaaacgt | tggttgacgg  | ttgtgatttc  | cagctcacca  | cgtgccgacg | 1245780 |
| gtttgatatg  | cttggctatg | tctacaacct  | tgttcggata  | gaaataaagt  | cccgtaacgg | 1245840 |
| cataattcga  | tttgggatgt | tcaggctttt  | cttcaatgga  | aagacagttg  | ccagcctcgt | 1245900 |
| cgaactctgc  | aactccataa | cgctcaggat  | caactgacca  | gtagccgaat  | acagtcgctt | 1245960 |
| tagcttcttc  | ttccgctgtg | cggacagctt  | ctttcagcat  | ggcagtaa    | ccattcccgt | 1246020 |
| ggaaaatggt  | atcgccaagt | accagacaaa  | cggcatcatt  | gccgataaac  | ttttctccaa | 1246080 |
| tgatgaaagc  | ttgtgctagt | ccgtcgggtg  | aaggctgttc  | ggcatattca  | aaatgtacac | 1246140 |
| caaaatcact  | tccgtcacc  | agcaaacgac  | ggaatcccgg  | aagatcgtat  | ggagtagata | 1246200 |
| ttatcagtat  | atcacgtatt | ccggcaagca  | ttaatactga  | aataggataa  | tataccatgg | 1246260 |
| gcttgtcgaa  | aataggaagc | aactgcttcg  | aaactccttt  | tgtaatgggg  | tagaggcgtg | 1246320 |
| taccgaacc   | tccggctaaa | actatacctt  | tcataattgt  | ttattgtata  | tttttcgatt | 1246380 |
| tttatgcaaa  | gtaagaagtt | ttttgtttcc  | ttgcaaagtt  | ttcaaata    | aagtgactta | 1246440 |
| tatgcgttct  | atatctactt | taatggtatc  | gttatagttg  | tcgttttgag  | tctcggataa | 1246500 |
| atattgctat  | tatggtggaa | atacaatcta  | ttgggactaa  | tgtaatagtg  | ttgtctgtaa | 1246560 |
| aatgatattt  | caaaaatata | ttctctaagc  | cctgatgaga  | aggaggaaat  | tatatattaa | 1246620 |
| acacacagtt  | aataggctag | aattgcttac  | atgtgtgcat  | tctattatat  | aaaactatta | 1246680 |
| agactcaatg  | aataaacgac | actatctggg  | ggcagccatg  | tgcctgatga  | cactggcggc | 1246740 |
| ttgcacacag  | aaaactgaat | tgcccagagaa | tccgaaagac  | aaggaagaat  | atcgcgacag | 1246800 |
| tcagggcaac  | agttggattt | acaatgccat  | gctgatgcgc  | tgggccttga  | tgccctctct | 1246860 |
| tgccaacgga  | ctgagtacta | ctcattatta  | ttatccgcag  | tcgggttcgt  | ggaccgatgc | 1246920 |
| gaacggtact  | cgtgtaaagc | ctccttcggg  | ggtaaagggt  | agcccgtcgg  | gtacaagcaa | 1246980 |
| atcgaaatcg  | agcgggaatg | tgtttggtac  | taccgcgcgt  | tcattcagta  | ttcacggata | 1247040 |
| aacttcgatg  | cagatggaaa | gaatcaatgt  | gactccccgt  | tccgattaca  | aggaaaaaat | 1247100 |
| agaggctttg  | ggctttgatt | ttcatggcga  | ttactggcgg  | gaggaagcct  | gttaccgctt | 1247160 |
| tacgacagcc  | gaaattgaac | aactggaaga  | agcaacgagg  | gaagcctatc  | gcatgtattg | 1247220 |
| tgaggctgcc  | gaatacatta | tctcggaaaa  | gccggaattt  | atggaacgca  | tgttgagat  | 1247280 |
| tcctcctgag  | atttgaagc  | gtatccgcga  | atcgtgggat  | caggatgaac  | tgagcttgta | 1247340 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| cggacgtttc  | gatttcctgc | tcgacgagag | gggagtacct  | cgtattctgg  | agttcaatgc  | 1247400 |
| ggatactccg  | acatccttgc | tcgaagcgtc | agtcattccag | tggcagtggg  | aggaagaatg  | 1247460 |
| ttttccggag  | tgcgaccagt | ataatggtat | tcatgaaggt  | ttggtgcagt  | cgtggaaaga  | 1247520 |
| tatttttccg  | gcgggaagcg | atatccattt | tgccggagca  | ctcgacgatc  | acgaagatac  | 1247580 |
| cgggaccttg  | caatatctgg | caagtacggc | catggaggca  | ggtttctcta  | cccgtgtgct  | 1247640 |
| cgacatgaat  | gccatgaact | tgcaggacgg | tcttttttat  | gacccctccg  | gtgagcgtat  | 1247700 |
| ccggagggtg  | ttcaagcttt | atccttggga | atggatggta  | aacgaaagtc  | cggacggatg  | 1247760 |
| tctggcacag  | gtagaatggc | tggagcccat | ctggaaactg  | gtgatgtcga  | acaaggccat  | 1247820 |
| tctgagtgtt  | ttgtatgaat | tgtttcccga | ttctccttat  | gttctgcctt  | gttacttgtc  | 1247880 |
| gcgtccgcag  | cagggaacgt | tttgtaagaa | gccggtcttc  | tcgcgcgaag  | gacataatgt  | 1247940 |
| aagtgtggtc  | gatatccgcc | aatgggaaga | acatgcgatt  | ctgaaagaga  | cggaaggcga  | 1248000 |
| ctacaatacg  | ggagcctatg | tctatcagga | gtatgtcaag  | cccacaacct  | atggcggacg  | 1248060 |
| ttatccggtc  | attgggtcgt | ggatagtggg | aggagagcct  | gccggaatcg  | gtattcgtga  | 1248120 |
| aaaccgtact  | gagataaccg | acaacctctc | cgaatttgct  | ccgcatatta  | tttcatgcct  | 1248180 |
| ctagccttgt  | agatacgttc | cttggcattg | ttgatgtctt  | ggaacttctc  | ttctgcggcc  | 1248240 |
| ttgcggatgt  | cttctcccag | cgtagctacg | cggctcggat  | gatgcttcag  | tgcaaggcgg  | 1248300 |
| cggtaagcgg  | cgcgctacct | atcgctcggt | gccgtaggtt  | ccacttccag  | taccttgtag  | 1248360 |
| gcttcttcca  | gcgagtcgcc | ggacaagttc | agcatcgatt  | ctacttccct  | ggccgacaat  | 1248420 |
| tgcattggact | gtgcaacttc | tttcagtga  | tcaatttcgg  | ccgcacacac  | atttccgtcg  | 1248480 |
| ctgcgtgcta  | tctgtgccag | aaagctcagc | agttgcagac  | gctcctcgta  | actcatgttg  | 1248540 |
| gcagcaatct  | gtgcgccaca | ttcgcgatc  | gtattctgaa  | aagcgtgtgg  | gttgggtgcg  | 1248600 |
| tccatctgct  | tgcgctgttc | aaacaagttc | aacaggatct  | gttcaccttc  | cgctacggca  | 1248660 |
| ttctctccga  | aattggttcg | cagaaagcgt | cgtacaaact  | ccatttccact | atgcatgatt  | 1248720 |
| ttcccgtcgg  | cacgtatgat | gtacgatgcc | atgaccagca  | gtgagaacaa  | aaagctgttt  | 1248780 |
| cgttgtcctt  | cgtatgtggc | gtttccgtta | tcggtaccgg  | tactttccgg  | aacgtatgca  | 1248840 |
| gccttgtcga  | acagtgcgcc | gatggcatag | ccggccagtg  | ctcccagtg   | tcccatggcc  | 1248900 |
| atgaatccca  | tgataccacc | aatccatttt | cctaatttca  | tttatgcat   | attaattttt  | 1248960 |
| ggttttacgc  | gataaaggta | gtaaaaaccg | cggaaatatt  | tacaggcata  | cagaaaatcc  | 1249020 |
| ttacatttgc  | ggcatgatga | aaccacaact | actgattgga  | gctgccgctt  | cgggcagtgg  | 1249080 |
| aaaaactatt  | tttaccatgg | gactgctgcg | ggcactgaag  | aaacggggct  | tgcaggcaca  | 1249140 |
| gccgtttaag  | tgcggtcccc | attatattga | taccagttt   | catgcggtag  | cagccggacg  | 1249200 |
| tccgtcggty  | aatctcgata | cgtggatgat | gcatcatcat  | cacattcagc  | gtatctataa  | 1249260 |
| tcgccagtcg  | gaggatgctg | atgtctgtgt | gaccgaagg   | gtcatgggat  | tggtcgacgg  | 1249320 |
| gtacagccgc  | gacaaaggaa | gtgcggcgga | aatagcccgg  | cttctgaacc  | ttccagtgg   | 1249380 |
| gctggtagt   | aatgcgcgtg | ctgcggcata | ttccgtagct  | cccatgcttt  | tcggattcaa  | 1249440 |
| gcattttgca  | cgcgccatga | agatagcagg | agttgtgttc  | aatcagggtt  | catcggcctc  | 1249500 |
| gcattatgct  | tttctgaagg | aggcttgcac | cgatgccgga  | ctggaggctt  | tggggtatat  | 1249560 |
| gccgtatgcy  | gaagagctgt | ttgtgccttc | acgacatttg  | ggactgacgc  | tgacggcacg  | 1249620 |
| ggcttccatg  | aatgagatag | tggaaaaagc | ctcgtatgct  | gtcgaaaaat  | atgtggaact  | 1249680 |
| cgataaagt   | ctgaacctct | gccagtcggt | tttcccctgt  | ccgtatacat  | tgcccttacgt | 1249740 |
| ttccgaaacg  | gccattgaag | aaaccgtacg | tcggaaactg  | aagatagcgg  | ttgcaaggga  | 1249800 |
| tgaagcgctc  | tgctttatct | attacgaaaa | cctgaagcgg  | ctgggtgagc  | agggacggat  | 1249860 |
| tacgtttttc  | agtcctctac | gcgacaacaa | acttccggca  | gccgatttgg  | tttatctccc  | 1249920 |
| ggggggatat  | cccgaactct | atgcacgtcg | tctgcaccac  | cgccgggaaa  | tcatgcagca  | 1249980 |
| gttgctgct   | tatgcggaag | aagggggaaa | ggtgtatgcc  | gaatgtgggt  | gcatgatgta  | 1250040 |
| cttggggcgt  | acgctcacta | cgagaaaagg | atcgacgtat  | gagatggcag  | gtgtgctgcc  | 1250100 |
| tatcgacctt  | accgtagagc | atccacggct | tcatctaggc  | tatcgggaaa  | tgaaatacaa  | 1250160 |
| cggcgtgtcg  | ttgcggggac | atgagtttca | cttttcggaa  | gtggcttcat  | ccggtaacct  | 1250220 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| gtcttctgct | gtccgactat | acgatgctta  | cggtgctgag  | gtcgatactc  | ctttgtaccg  | 1250280 |
| atacaaaaac | gtcattgcgg | gatacaccca  | ctgggtactgg | ggagaaaccg  | acctcatgca  | 1250340 |
| gctatggaaa | taaatgaaac | cgtttcgcaa  | aattaaatgt  | ggcggatgac  | ctttgccgga  | 1250400 |
| accccgccga | caattgtatt | ttcgggcaca  | tctttcgtga  | ctaccgcacc  | ggctcctacc  | 1250460 |
| actgcattgt | cgccgatggg | tactccttgc  | agaatggtag  | agttggaacc  | tacccaaaca  | 1250520 |
| tttttaccca | atacgatggg | tgccggataa  | gtggtctgcc  | ggtcttccgg  | agccagcccg  | 1250580 |
| tggttcagag | tggcaaacac | tacgttgtgt  | ccgatttggc  | agccgtctcc  | caagacaact  | 1250640 |
| ccgccgtgat | cctgaaaatg | gcagcaggcg  | ttgatgaaca  | catcttttcc  | taccgtaatg  | 1250700 |
| ttttttccga | agtcggtata | aaaaggcggg  | aaaacacgga  | aagagctgtc  | gacttctttt  | 1250760 |
| ccaaacaggc | gtgacagcaa | ggcacgtact  | tcacgaggag  | tatgataggc  | attgttcaac  | 1250820 |
| tcgaaagtga | tgcgtcgtgc | ctcgttactc  | atatcgttca  | taaactgatg  | aatttcggcc  | 1250880 |
| gtattgagag | cacggcgtgt | ctttacgtat  | gctaaaaatt  | ctggaagtgt  | catatttaga  | 1250940 |
| tgcattaata | attcaggata | caaagatacg  | acagacgtga  | caaattgcat  | gtagacaaat  | 1251000 |
| tacagagatc | atgacctttt | ttactgattt  | tatatatttga | aatcttttagg | ggtatgcttt  | 1251060 |
| tgtacagtga | ggaaagttcg | tatcatgttc  | atcctgtaga  | tatgccggtt  | tatgctttac  | 1251120 |
| acgggacctt | gtgaattgtt | cggcaggtct  | gaaaggaaag  | gagctgtcgg  | agttttgtag  | 1251180 |
| tcgtgcagaa | gaaccgttca | tgttttgtac  | aaaaacaaaa  | attttttgta  | caaattttga  | 1251240 |
| aaaaacatcg | agacgttttt | tcggaaactt  | cttgtgatga  | taaacgactt  | ttgcaaggga  | 1251300 |
| gtaatttctt | ctgtaagaaa | tacgtttatt  | agaactgata  | ggaggagata  | aaaagtatcc  | 1251360 |
| agtttttgaa | tacagtcaag | gaagtgcac   | aatttcctga  | tgaccactct  | gcatgcaaag  | 1251420 |
| tcgtaacgtt | tttttgtatc | cctgcaaaga  | tagactaagt  | tcctaattgt  | tattttgacg  | 1251480 |
| ggcgtagatt | gaggtgcgta | aatatcaaaa  | gaagctgtct  | taaaatgaaa  | tttccaaagt  | 1251540 |
| aaaaatctcc | tactcttagc | cgtcgtttat  | tttaattacg  | tggttaaaaag | caggagattt  | 1251600 |
| ttagtataaa | cttatcgacg | ataagtcagt  | ctgttccatt  | tttctatttt  | gagataaact  | 1251660 |
| cttctttcgt | tttttttaag | tcgttggcga  | agctcagcat  | ttcatttttt  | cggaggatag  | 1251720 |
| gtttgccaca | attgccctcg | gtagaaaaat  | atcagaatat  | ttactttaat  | cgagcgttac  | 1251780 |
| taattcatac | ttctgactgc | ccatgccgag  | tgcttcccg   | tgatcgagt   | tatgcatgcc  | 1251840 |
| gtgacgtgaa | tcaatacgct | ctatgagggt  | aatctttcca  | taatcttttg  | aagagcgtac  | 1251900 |
| cagatcagtg | caggcacggt | cgagtgtctac | cggatcgaga  | gaagccagaa  | tacctatata  | 1251960 |
| acccatttgt | gggtcggcag | gagatgaatc  | gcagtcgcaa  | tctaccgaaa  | gattattggc  | 1252020 |
| tacgctgatg | taaataatat | tttgtccgca  | atgatcggcc  | acggcttttg  | cagcttccgc  | 1252080 |
| catcgattcc | aggaaatcat | cttgtgccgg  | atttccccag  | ttcgttgtgc  | tggctcctgc  | 1252140 |
| tgaatgaatc | agtcgcttgc | cattggacga  | agcaatgccg  | atagacatat  | tcttgatggc  | 1252200 |
| acctccgaat | cctcccatag | catgtccttt  | gaaatgggaa  | agaataatga  | caaaatcgta  | 1252260 |
| attcaagaag | tcttttccca | caatgttgcg  | ggtgaggtgt  | ttgcctcctt  | tcacgggtag  | 1252320 |
| ctcggcttcg | ccttcggcat | ccatgatgac  | tactggagcg  | atggccgtaa  | atccatggtc  | 1252380 |
| ggctgctgct | ttcaggtgac | ttttggtatc  | ggagcgaccg  | cctccatagg  | ctgtattaca  | 1252440 |
| ttcaacgatg | gtaccgcccc | cttgctgtac  | cagatccttt  | atcagtgccg  | gttgacagaaa | 1252500 |
| gttggtgcct | cccggttctc | cggtagagag  | cttgacggca  | actttccctt  | cggttttg    | 1252560 |
| tccgagggct | tcgtaaatct | tgatcagggt  | ctccgatgag  | atttctttgt  | agaaataaac  | 1252620 |
| tttggaaga  | gttggttccg | cagtcgatgg  | ctccgtttgt  | ggagaagcct  | gattgggttg  | 1252680 |
| tgcattggca | cagccaaatg | ttgtaagcaa  | catggtacac  | ataattgtca  | gaatactctt  | 1252740 |
| tttcatactc | gtaagatatt | agtttgtcgt  | taaaaattaa  | tattgactcc  | ggctgtgact  | 1252800 |
| gtagctcgtg | gcatagggta | tcctgcattg  | atttcatact  | tttgtgcaag  | cagggttttcg | 1252860 |
| ccgcgtgccc | agacatccag | ccagcggttg  | gcatgaaagg  | cggcacgcag  | gttcataaaa  | 1252920 |
| acaaaattct | ccgtcacgtc | ggggtctacc  | tgcgataaaa  | gtccggcaat  | atattgtagg  | 1252980 |
| ccggtagaca | cgttccagcg | cccttgtag   | aagttcatgc  | cggcatatag  | cttatgttcg  | 1253040 |
| ggggcgga   | tgacgggatt | cttcatgtgc  | aggtagctat  | agttgccgtc  | taccgaccag  | 1253100 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| cggcggttga  | tgcggttaagc | agcttgtagt  | tcaactcctg  | catttttcaat | gtgaccggag  | 1253160 |
| ttctgggttca | gcatgccgct  | accgttggga  | ttgggaagt   | tctgaattaa  | attctttccg  | 1253220 |
| tcgatataaaa | atacattttac | cccataagt   | agctgaccgt  | tcatcagtct  | ctgcgagaaa  | 1253280 |
| gcaagctcat  | aattccacat  | cgactccggt  | tgcaggttgg  | gattctgtgg  | cggaaacata  | 1253340 |
| tacatttccc  | ggagaatcgg  | gtaacggaac  | cccttcgacg  | cagaagcttt  | cagttcgatg  | 1253400 |
| gtgtggggaa  | gatggaaagc  | cagtcctgcc  | tgaggcacc   | attccgtacc  | gacccgcgag  | 1253460 |
| tgatggtcaa  | cccggaggcc  | ggcattgaag  | gtcagccagg  | aacggatttc  | ttggcgcaga  | 1253520 |
| tcgacatatc  | ctgctagttc  | gtcttcgtgt  | ttgtctacca  | gatcggaagt  | ggttccaact  | 1253580 |
| ttttctccgc  | tgacatatc   | attccatgcc  | cggccgccgt  | accggaacca  | gtcgaaaccc  | 1253640 |
| aaagtgattc  | gattcccctt  | aaacagttgc  | atactctgat  | agagcgaaat  | tcccatcatg  | 1253700 |
| ttgtcgtgtg  | aaagaaagcg  | gtcgtcctga  | ggcccttcac  | ccgcggaagg  | tgtatatccg  | 1253760 |
| tcgttgatcc  | aatggtcgcc  | ccagttgtaa  | aagaaactga  | tcgcccaga   | ggtcttttga  | 1253820 |
| taattattct  | ccaaagcaaa  | agaagtcagt  | cctcgcgtga  | tacgtgtgtc  | gccgtcgagc  | 1253880 |
| aggggagcac  | tgaccggtcc  | gggataggaa  | gcattgaaat  | gcgtaacgtc  | tacgtcaccg  | 1253940 |
| cgcagattcc  | agttgtctgt  | cacctcatat  | cccagtttgg  | cgtagcctcc  | gtattgttca  | 1254000 |
| aactccatgt  | cggcacgatg  | tccgtcggta  | cgattgtagg  | aacccgatac  | cacgctcgag  | 1254060 |
| aaacgtccct  | tgcgaaatgcg | attggttacc  | tcggtttcca  | aggtattata  | tgagccatag  | 1254120 |
| cctgcatgga  | tatttgtgtt  | tacgccgtct  | tccttcatct  | tcggggtaac  | gatgtttatc  | 1254180 |
| acaccgcca   | tggcattgga  | accgtaaagt  | accgaagccg  | gacctcgcag  | aacttctacc  | 1254240 |
| cgttcggcca  | gaaatgactg  | ataagcgtcg  | gatatcgga   | gaccgaagat  | accggcatat  | 1254300 |
| tgcggatgcc  | cgtcgatcat  | gaccatgagg  | cgggcgcttc  | ctccacttag  | ccctcgcagg  | 1254360 |
| gagatgctgc  | ctgctgcgcc  | gttcgagact  | ccataaccga  | tgactcctcg  | ggaggtaaca  | 1254420 |
| aacagtccgg  | gaatctgttc  | cgtgaggacc  | gggagcaggg  | aaggctgcat  | cgaacgttct  | 1254480 |
| atctgtgctc  | gcccagataac | agaaacggtc  | tgcgaaagat  | gacgcacatc  | cgtttctattg | 1254540 |
| cgtgctccgg  | ttaccactac  | ttcattttatc | ttataggtac  | gatttggtcat | tagtgtgtcg  | 1254600 |
| tgtggttgct  | cttggggccat | ccccgtatga  | taagcgagac  | ctaacaacaa  | catggaagcg  | 1254660 |
| tatacttttt  | tcattcaggt  | aatgtttttt  | ctattcgtat  | ttgtttgtat  | ttagaaggtt  | 1254720 |
| ttactttttc  | ttgttgcaaa  | aataagcata  | gttaagcaag  | ttaaagagtat | aaaaaatcct  | 1254780 |
| gaatatatta  | ccattttttc  | ggctcctttg  | gtatttttatt | gtctttttat  | tctttttact  | 1254840 |
| tttgttctct  | gaaaaaagtt  | ttttataatt  | ttgatattga  | aaggatgaaa  | gatttctatgc | 1254900 |
| gagcagctca  | gattaaacga  | tattcaaaga  | atgttcaaat  | aactattaat  | caacttccta  | 1254960 |
| taccgaaaat  | cgggtccgtcg | gacgtattgg  | tgaaggtcaa  | ggcggcagca  | gtgaaccctt  | 1255020 |
| tggaacagtt  | gattctgacg  | ggtagtatcc  | ggctgattca  | ggattatcgt  | atgccgttga  | 1255080 |
| ctttgggaaa  | tgaatgtgcc  | ggtgtggtag  | aacaaacggg  | agcggagggt  | actcgattta  | 1255140 |
| aagcaggcga  | taaagtatat  | acatgtctgc  | ctcttgccaa  | aattggagct  | tttgccgatt  | 1255200 |
| atgtggctgt  | agatcaggat  | gccttggtct  | tcatgccgaa  | agattgtgtt  | tttctgacgg  | 1255260 |
| ctgctgctat  | tcctctgaca  | gggctgacgg  | cttatcaggc  | atttacggaa  | gagctggaag  | 1255320 |
| tccgactggg  | cgaacaggtt  | ctgataacag  | gaggttcagg  | tagcttcggt  | gaaatggctg  | 1255380 |
| ttcctatagc  | aaaagcgttg  | ggtgtaaatt  | tgattgtttc  | aggaaatgaa  | cgggcaaaaag | 1255440 |
| agcgtatgtt  | gcataatcgga | gccgaccgct  | acttgatta   | tcgaaaggaa  | aactattggg  | 1255500 |
| aagtgttatc  | ggaagtagac  | catgtaattg  | atacactggg  | agcgaaagaa  | ttcgaacacg  | 1255560 |
| aactggctgt  | attgagaaaa  | ggaggacgac  | tgctgagctt  | gcgtacggct  | cccaataaga  | 1255620 |
| gatttgccga  | acacagtggc  | ttttcgctgc  | tgaaaagact  | gttgtttaca  | gctgcaggaa  | 1255680 |
| ctctgtatga  | tcgtaaggca  | cgcaggcagg  | ggaaagaata  | ccggttcattg | tttgtgctgt  | 1255740 |
| cagacgggaa  | acagttggaa  | aaggtaactc  | ggatagtggg  | ggaaaggcag  | gttcgcccga  | 1255800 |
| gaatttcttc  | ttctgttttt  | accctcgaac  | agactgccga  | agcgattcgc  | tttatggcac  | 1255860 |
| atggacatac  | ggatggcaag  | gtgattgtcc  | ggctgtagac  | tgaaaataga  | atggatgact  | 1255920 |
| aactaaaaag  | gaaagaaatg  | aagtattatc  | agatttgttt  | tagtccgaca  | ggaggaacac  | 1255980 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aaaaggttgc  | agatatattg  | gcaacggaat  | ggatggatga  | gatcgtgaaa  | gtagatttga  | 1256040 |
| cagattgtaa  | aaccgatttt  | acaggcttca  | agctcacgaa  | agaggatgtg  | gctctgattg  | 1256100 |
| tggtgccgtc  | ttatagcgga  | cgcgttcctg  | aaattgctgt  | caagcggatc  | agtcggttgc  | 1256160 |
| agggttaattg | cgcgaaaact  | gttattgctt  | gtgtttatgg  | aaatcgtgct  | tacgaagata  | 1256220 |
| ccttgataga  | gttgtacgat  | actgtacaaa  | ggaatggttt  | caaggttatt  | gctgcggttg  | 1256280 |
| cagccgttgc  | cgaacactcc  | attgcccggc  | gctatgcggc  | tggacgacca  | gatgagcaag  | 1256340 |
| atcgggtgca  | gcttacagcc  | tttgcccgtc  | agatatcgga  | gaagttgggg  | tcggacataa  | 1256400 |
| tgactgaacc  | gcatattccc  | ggccatcgct  | cttacagaaa  | agcaggagcc  | gtggggattg  | 1256460 |
| ttcccaagcc  | aacaaaggag  | tgcatcaatt  | gtggaatctg  | tgccaagaag  | tgtccggtag  | 1256520 |
| gagctattga  | caaaacaaat  | tcccgaaaaag | tcgacaagaa  | agttttgtatc | tcttgtatgc  | 1256580 |
| gttgtgtggc  | agtttgtccg  | catgctgccc  | gaaaagtga   | tggcctgatg  | ctgtttctgg  | 1256640 |
| ttaatgcatt  | gctcaagaaa  | gcttgttctc  | agcggaagaa  | gaatgaactt  | tatctgtaaa  | 1256700 |
| tatggttcat  | ggaataaaaag | gatatctcca  | tacggatttt  | actgtttgtc  | aaaatggtag  | 1256760 |
| tcgaaccgtg  | ggggacgctt  | ctgaagggtc  | aacattggaa  | gcctatcagt  | aatccgcatc  | 1256820 |
| aatacgacgg  | ttaacggatt  | gttatcgggt  | cggtaacgga  | cggatataat  | ccttacggag  | 1256880 |
| acagtctata  | ggggaattta  | tgaattatgt  | tcgggaaaaa  | acatccggag  | ttgttgcctt  | 1256940 |
| tgtacgagga  | aattttataac | agaaaacgtc  | ttgattattg  | gaaagctttg  | gaggaagata  | 1257000 |
| tttctgctta  | tgctgcacgg  | aaaggttatc  | cttatcgggt  | aaacgactta  | ctgtatgacc  | 1257060 |
| gttctgagaa  | aggtaaagcct | gttctagtaa  | attatttcta  | tcacgagaaa  | atcagggttaa | 1257120 |
| agggttaagt  | cgtataaaaag | gctagacaga  | tgaaaagaga  | tatatcggat  | tttgccatta  | 1257180 |
| cagaaatagc  | tatcttggtc  | tgatatcaag  | tataaaatat  | ttcgaacaaa  | acatcattta  | 1257240 |
| atgtcggatg  | caggcagtga  | cagtaaagaa  | taactgtaca  | gctccaatta  | catgcattta  | 1257300 |
| tttattactc  | gtggcgccgt  | atctcttttc  | aaacagttct  | gtgtttttgt  | tgccccattc  | 1257360 |
| aatcatagag  | tcgatgattg  | gaatgagcgt  | ccgtcctaaa  | tctgtcaagg  | aatattcggg  | 1257420 |
| acgaagcggg  | acttcgttgt  | aagtcgtttt  | ggaaactaat  | ccgtcttcta  | ccagttcctt  | 1257480 |
| taactgaatg  | tcgagcacac  | gaggagtgtc  | ttcgggaaat  | atcttgtgca  | gtttgctcgg  | 1257540 |
| gcgtagcgat  | ttgtatcgta  | gttcatccag  | catacacgat  | ttccatttgg  | aatcaatcag  | 1257600 |
| gctcatagtg  | agtcggagag  | ggcagtctaa  | atcaacaggt  | atctttcttt  | cgtacataat  | 1257660 |
| tttcttgtga  | gtaaataatt  | catccatgca  | aagatactga  | gaaactttta  | acttcgggta  | 1257720 |
| tgccgaaaaa  | tttttcggta  | tgcgaaataat | ttttcggtag  | ttgtataaaa  | catctatgcc  | 1257780 |
| gcatacattt  | gcaactgtat  | taattcatta  | aaagagtata  | gatatgagag  | caagtattga  | 1257840 |
| agagtataaa  | gctgtggaag  | aggcggcaat  | gaaatttgta  | aagagcgtgg  | ccgaaggaga  | 1257900 |
| tagccgttac  | gccaaagaac  | tgtttaccga  | cgaagctgta  | ttgtttgggt  | atgttgatgg  | 1257960 |
| aaaactggaa  | cacggcagca  | ttcagcagtt  | ttataaaaat  | gtagatacag  | tcagtgccgg  | 1258020 |
| aaaagacttt  | aaggcgcgta  | tcgatattgt  | ggatatagaa  | gagacgcttg  | cagtagttcg  | 1258080 |
| tgtgctggag  | gaaaagtggg  | gtggacgtat  | tgatttttacg | gactatctct  | tgttgatgaa  | 1258140 |
| gatggacgga  | gagtggaaagt | gcgtggctaa  | ggcttataat  | caaaaactcaa | ctacaattaa  | 1258200 |
| taaataaagg  | aggtgttatg  | aaaattactg  | ttattaccgg  | aagtcctcgt  | aaacacagga  | 1258260 |
| atagttttgc  | gatgactgaa  | gcatttataa  | aggctgctga  | acagcgtggg  | cataccattc  | 1258320 |
| agcgttttga  | tgcggcattt  | ctgaagattg  | gaggttgctca | tgctgcatg   | acgtgctata  | 1258380 |
| agacgggaaa  | ggcttggtcg  | ttcgacgatg  | attttaatct  | cattgctccg  | gctatactgg  | 1258440 |
| agtcggatgc  | tggtgtctgt  | tctatgcctg  | tttactggta  | ttccattccg  | gcacagataa  | 1258500 |
| aagggtgttat | cgaccgcttg  | ttctcactcg  | tagttgggtg  | aaaggatata  | gccggaaaga  | 1258560 |
| aatgtgcatt  | aatcacctgc  | tgtgaagaaa  | atgatatgac  | cgtgatggat  | ggcgtacgta  | 1258620 |
| ttccgataga  | gcgttctgct  | gccttactga  | aatgggatat  | tataggagag  | gtacttattc  | 1258680 |
| ccggggtctt  | gaacgaaggt  | gaaattgaaa  | agacggatgg  | ctgccggcag  | gctgcggcgt  | 1258740 |
| tggtgaaaaa  | attataaggg  | tttttgatgg  | aaatcgaagt  | tttgaagaat  | ctcaaaaaat  | 1258800 |
| gacgaactcc  | ttgcttgaag  | aactatttga  | ctgtaagaat  | caagcaagga  | gttgttgaat  | 1258860 |

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|             |            |            |            |             |             |         |
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| ggtaggcaa   | taatcagata | tatcttttct | atttcaatga | aagggttata  | gtaacttctc  | 1258920 |
| cctttccgtc  | taataaatct | aacacctgtt | ctcgggtaga | aacaccatca  | atcttaccaa  | 1258980 |
| gacgggtaaa  | gttccacgag | ttaatatcgt | aatagatgac | gaaagagttt  | ccttgatata  | 1259040 |
| ggattaaatc  | tccgggggtc | gtagttgttt | gctggtcatt | tcgcggtaga  | gagaatccta  | 1259100 |
| aggaaccgac  | tttttccata | tcgccgtaat | cattcatctg | aatgcttata  | ttaccctgac  | 1259160 |
| taaggcgtgc  | cttcaatgct | tctgttgaag | agttttctac | aagtgtggca  | gtgaaggact  | 1259220 |
| ttccattggc  | tgtaaaccta | atttgatttt | ttcccatggt | attgttattt  | gctgtttgaa  | 1259280 |
| tattcagttg  | ttccaaccat | gatgtgactc | ggctatccat | ttcagaaagt  | tgtgatgagg  | 1259340 |
| tcagcaggag  | tgtaggactg | agaatttctg | attcagggca | taactctgct  | gcttcgctga  | 1259400 |
| ctgatgtaga  | aatgccgctg | cttccgcttg | tcgcaaaaag | tgcgatgtgt  | tttcctgcga  | 1259460 |
| gttttgaagc  | gtgttcatgc | aagaatgttt | gcataggtgt | ggctatcgac  | ccataccaga  | 1259520 |
| tgggataccc  | aacaaaaatg | acatcgattt | tatcgaaatt | gtccatgctt  | gttgatattg  | 1259580 |
| gaggataaatt | gccttgctga | atggctgcca | actcttcttg | tgcacggttt  | agcatggcat  | 1259640 |
| tgtaatcttc  | ttcgtaaggt | cgtacgggtt | gcacttccaa | tatgtcgcaa  | tcgagttgag  | 1259700 |
| attgtatttg  | ttgtgctagg | cgttccgtgt | tacttgtgcg | agaacaaaaa  | agaatcagat  | 1259760 |
| atgctccgtt  | gtttccagtg | gttggtatgt | cagggatatt | ttcttcatct  | ccttcatgat  | 1259820 |
| tcccttggtg  | gtcggacatg | tcagtggcag | gtatttgttc | atttgcaggg  | ctacaggctg  | 1259880 |
| atagcaaaat  | aaatgtaagt | agcattaatg | agagcgtcaa | aaatcttttc  | ataggacatc  | 1259940 |
| ctttctaatt  | aatagtttca | gttattttac | tgaacaaaaa | gtagtgaatg  | acaagagtat  | 1260000 |
| ttatagtata  | caaatctttg | atatgattac | ctatattact | gatttatatg  | tcataggaat  | 1260060 |
| cggaatatat  | tgttaccttt | gcattggaaa | aagataaaat | atggaagaag  | ttatcaagct  | 1260120 |
| tgactctata  | gagcgatata | ataagttata | cggacaagag | actctccatc  | cgttagtgac  | 1260180 |
| agttgtcgat  | ttatcggatg | tatctacctt | tcctacccat | gccataatga  | attttggaat  | 1260240 |
| atatgcactt  | ttcttgaagc | agacgcattg | cggtgattta | cgttatggga  | agcaaactta  | 1260300 |
| cgactatcag  | gaaggaacgg | ttacaagctt | cgctccggga | caaatagtcg  | aagtaaatat  | 1260360 |
| ggaaccgggg  | atgaaaccat | tgtgtcaagg | cttgctgttt | catccggatt  | tgataaaaagg | 1260420 |
| aacttcatta  | ggtagggaga | ttaagcatta | ttcttttttc | tcgtatgctt  | cgaatgaggc  | 1260480 |
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| ggagctgata  | cgaccggccg | ataagcatag | taagagattg | atttcacgta  | atattgagtt  | 1260600 |
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| taaagatatt  | ttggttcagt | ttgaagaatt | gttgataag  | tattttcaaa  | gtgatttttc  | 1260720 |
| gcaaatgcaa  | ggtcttccta | ccgtcaaata | ttttgccgat | agcgtacatc  | tttcacctaa  | 1260780 |
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| gaaattgata  | gacgtggcta | aggaagagat | tttgggaaca | aacaaaagtg  | tcagtgagat  | 1260900 |
| tgcatatgaa  | ttaggccttc | aatatcctca | acattttact | cgtatattta  | agaaaacagt  | 1260960 |
| cggacatact  | cctacggaat | atcgggtcat | caggtgattt | tttataattc  | agccacatac  | 1261020 |
| attgcccggg  | aattcgatgt | tggcaggcaa | tggatgtggc | tgaatatattt | atacgaacta  | 1261080 |
| ttatttttca  | gggattacct | cattcaggca | ggcaatggca | ttgagtgtac  | gtggataacc  | 1261140 |
| gatataaggt  | aatagctggg | tggctactgt | aagtaatgtt | tgtttattgt  | tccccacgtt  | 1261200 |
| tacatttcct  | gcaatatgtc | cctttacctg | agggtcgcac | cctcccagtg  | aaatcaaaat  | 1261260 |
| agcaaagggtc | agtagttcac | gagtctgggc | atcaaatacc | ggacgagtct  | gataatcgcc  | 1261320 |
| aaaacagttt  | gccgaaagat | attgctggat | atgcagttga | ttggctggtg  | atgtttcgta  | 1261380 |
| catttctatca | atctgattgc | cgaaaatgct | cttttgcaaa | gccaatcctt  | tctccatccg  | 1261440 |
| cgtttcggaa  | gttacaacgg | attgagatgc | taatggcagt | tctattcctt  | tctctgtaaa  | 1261500 |
| gaaactattt  | gcaatttcca | gcagatcttc | gattcttgac | attccgacat  | agggtacggc  | 1261560 |
| atgatacaaa  | acttctttta | tttctatagg | agtaatacca | tttgaaaagg  | ctgcataaag  | 1261620 |
| tgttttacga  | tattcggtga | tagagtttgt | tgctatagcc | gaagccatcg  | tcactaaaat  | 1261680 |
| gcgattacgg  | gtacttaact | tgccatattg | ttgtacatcg | ccgaaggcaa  | aattgccgaa  | 1261740 |

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| ttcctcatcg  | ttcacggggt | ccagccaggt  | atttttattg | gtttgaggat  | tacattcgat  | 1261920 |
| ggcgagatgt  | gagaaccagc | tatcgggagc  | ggctccatgc | caatggatca  | catttgagac  | 1261980 |
| aattttctaca | atatctcccg | gaagtagcag  | acgcgcaggt | ttgtcttttt  | cctgataata  | 1262040 |
| tcctttacct  | cctacggcaa | tcagaagttg  | tcctccggta | tgactatgcc  | agttgttacg  | 1262100 |
| gcatcccggg  | tcgaagggtt | cattacatac  | aggtacattc | agatccttat  | tgcttggttag | 1262160 |
| ctgagccaga  | taagattttc | ctataaaaaa  | tttggcgtat | tgtgtattct  | catctccaat  | 1262220 |
| agggaaatgta | ctcaaagtgt | cgggtacacg  | attttctttt | tccatattct  | gtgcgtttta  | 1262280 |
| tgtagttatt  | tgaaacagtg | ccgccaatgc  | gacacataca | gtcataaatc  | cttttatttt  | 1262340 |
| catggtacat  | gtttttatat | ggttatcggt  | ttttatgtac | cacaaaaata  | ccggacttta  | 1262400 |
| tgctaacaga  | acataaacag | attacagatt  | cttgtaccgc | aattactgaa  | atgaaactca  | 1262460 |
| gatagtcaag  | cttattccgg | atcgatttcg  | ttaggcgaag | gcagttgttt  | ccaaccttct  | 1262520 |
| ccaaaagtat  | cgtatgcac  | ggtgacgacg  | acgaatgctt | tgggatcggc  | cgctttgatg  | 1262580 |
| gtatgcttta  | ctccagctac | ctccttgtaa  | cttaccacaa | ggaatatcat  | ttctttttct  | 1262640 |
| ttaccagtat  | aaagtccgct | gctttttatg  | caagtagccg | tacgggtccag | atcttttagt  | 1262700 |
| atatacgagt  | gaagtgcagt | catctgcttg  | tcactgataa | cgaatatcaa  | cttgtcattc  | 1262760 |
| tttgaaccgt  | ttatcatata | ggcgataaca  | cgtgagataa | taaagattgc  | aatcagtgaa  | 1262820 |
| tagaaagaca  | aatgccatga | cggctgtgtg  | gaatcttctg | cactgcctat  | accgaaaccg  | 1262880 |
| ataacaagta  | gtccaaagca | tactacggca  | ccgtctacca | gcaagatcgc  | tttcgaaaaa  | 1262940 |
| cgtatgtgac  | agtatttctg | aagtaacatt  | cctacaatat | cacttcctcc  | ggttgtagct  | 1263000 |
| tgattacgaa  | caacgattcc | cgttccgatg  | ccgattagcg | ttgcgcccac  | gacgcaagcc  | 1263060 |
| aacatcaaat  | ggtcggacag | gttcattggt  | cctcctatca | gttgagaagg  | gtcgagtgc   | 1263120 |
| tgaagtgctt  | cttccgtagg | gtatgccatt  | ttcgacatca | tattcatcag  | gaggggagta  | 1263180 |
| gtaagagccg  | cagcaatggt | tcgcgctccg  | agttttgttc | ccagcaggac  | gaccgacaga  | 1263240 |
| acaagtagcg  | gaatatcgaa | catatatccg  | aaagttccga | cctgtatgga  | tggaaaaagg  | 1263300 |
| ttatgaagta  | cgatacttgc | tccgtaagct  | cctcccggaa | caatattata  | tggattgata  | 1263360 |
| aaaaagacaa  | aaccagctgc | tacaataatg  | catcctatca | gaatattgag  | ccatgaacag  | 1263420 |
| agtgtattct  | tcataattga | tcttattttt  | atgcaacaaa | tttacataaa  | agccaggaat  | 1263480 |
| ttacgatctg  | tttcaataaa | aaaacaacgg  | gtgttacatt | tgtttactta  | atacggttta  | 1263540 |
| tttggaaattg | cttcattatg | aaacttataa  | accgatatat | catggattga  | acatgaaatc  | 1263600 |
| agtagccgaa  | cttttcaatt | tttttcttta  | agagtccgaa | caaaacaaga  | ttaggaggcg  | 1263660 |
| tttcttttac  | ggaaaatata | gaggataata  | tacgtgtata | atatgtaact  | ttgcaatcgt  | 1263720 |
| tttgcaaata  | cgacaggata | aacgaaattt  | ataagaaaac | tttgatatag  | taaaagcagt  | 1263780 |
| agaacgaatg  | aagaaaatta | ctttaattac  | atttttatgt | agcctgttgc  | tgatggcttg  | 1263840 |
| tagccgggaa  | gaatgggata | atgtaacaaa  | cacggacaag | ccggaagcag  | ttttcaaact  | 1263900 |
| ttacgatgtg  | ggatacaacg | atgtcctttc  | gcgcgcttca | acactggacg  | aatctcgtta  | 1263960 |
| tgaccgactg  | gaatactgca | tcgttgatga  | aaatggaaat | cgagtgcaga  | atacaaagag  | 1264020 |
| taagtataat  | ccgttgacgg | ccgaaattta  | tgtggaaggt | ttacatgaag  | ggaattatcg  | 1264080 |
| cttgctggta  | ttaggagtga | aaggatgatga | aagtcaggat | ggagcaacaa  | tccacgattt  | 1264140 |
| gaataatgcc  | gatgaaacct | ggttggaatt  | tccggcagat | ttgcagaagc  | cgctagatgc  | 1264200 |
| tgagtatttt  | tattcacaga | ctccgtttgc  | ggtaacagtg | caagaagggtg | agggaggtaa  | 1264260 |
| acaggaggtt  | gcagcaatcc | gtcaggatgt  | aaaacagcag | cgaatcatca  | gccggattga  | 1264320 |
| ctttgacttc  | gcgtataata | acccgtatgt  | gcgtacagct | gtaacatcga  | aggatgtttc  | 1264380 |
| gtttaatcag  | gtctattttc | atacgtcact  | ttctggtaat | ggcgatatgg  | ctggcgaaag  | 1264440 |
| tgatggtaca  | ctgcaaggat | tattattagg  | agaaaatgct | tcttataatt  | ttatgcctct  | 1264500 |
| gacaaagggc  | tctgtgctga | caggagaaat  | caatatacgc | acccgcaatt  | accgcggaac  | 1264560 |
| ggatgtaaat  | caggtatatg | ctttttctca  | aaaggaaatg | gaacctaatc  | acattcatca  | 1264620 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
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| tgcttatgcc  | gaaggcaagc | ataccaaaat | tttgcaggat  | gatgaaccta  | aagaagtcta  | 1264740 |
| tacggatcct  | tctcaaagaa | agttcaatac | ggcacagcca  | cttcagttga  | gtttttacgga | 1264800 |
| tgaaggacag  | ttacatgcac | gtttttactc | cccacgtaat  | ttgggtagtg  | ctttgattaa  | 1264860 |
| ggtacgcatt  | ccggcggtaa | gcgatgaata | tttcgatgtc  | gcttatttcg  | atacgattcc  | 1264920 |
| gggatttgcc  | gatttttacg | aaacttcgcc | tttggtaaa   | cgttcatcta  | tgtgccgcac  | 1264980 |
| tgagtcagga  | cgacagattg | aagtcctca  | actgcaagct  | tccgagttgg  | ctggagcgga  | 1265040 |
| atttaaggta  | gagtcgaccg | atccttattg | ggctaaactg  | attaaaatag  | aacatggatg  | 1265100 |
| ggatatttac  | tggggcttat | atggtggcga | tcctgaacgg  | gaagatggag  | gtccggctgg  | 1265160 |
| aaactggatg  | ggaatccgtc | ctgtgcattg | ccgcgaatct  | gtagctatgt  | tccttaactt  | 1265220 |
| cacttatatg  | gtcgatatgc | ctgaacatga | acaaatctta  | cgtgagaatg  | ccgatcagct  | 1265280 |
| ttacgacgac  | aataagaatc | ctatacaggt | agagaaagta  | ttgagtcaga  | tgcgtcagaa  | 1265340 |
| acgtaccttg  | aaggtcggac | tggtttatcc | aggaaacggt  | gtcttaggat  | taggaggagg  | 1265400 |
| tagtaccttc  | ggagcttatc | agcaagcctg | gttcgagcat  | tattggaata  | cctattcatg  | 1265460 |
| cagtatcatg  | tttcatgagt | tagggcatgt | aatgggatat  | ggtcatagca  | gttcgtttac  | 1265520 |
| gtacgggtcca | tgggctgaaa | agttgatgaa | caatttttat  | gttcagaatc  | ttagcagatt  | 1265580 |
| cccgatagat  | tcacccaatt | atttgaacag | taagactaat  | cctcatagat  | acaaataaat  | 1265640 |
| acctgatagt  | ttgaataaga | taatgataac | gataggaaaa  | atgaataaaa  | taaagaatat  | 1265700 |
| aggatggata  | tgtagcctgt | tggatttggt | tttctgtagt  | tgcagctcgg  | atgacaatat  | 1265760 |
| acaaggaacc  | ctgccggctg | gtacggtagg | cgtacgtctg  | atggcggctg  | gtatggctga  | 1265820 |
| aggagaaaca  | tatgatgccg | aaagccgtgt | aaatgaggta  | caaggttttc  | gatttgaaga  | 1265880 |
| agggatactg  | gaagaaatct | tcgaccgtct | gaattctgat  | gcggacggaa  | cctgtcattt  | 1265940 |
| acagccgttg  | cagatgcgcg | gaacggtgta | ttttctggct  | aatgcagcgg  | atattatccg  | 1266000 |
| caaggcttcc  | ttgcaggcag | gaaaaaccac | tttggaaaga  | ttcctgaact  | tgcaggctac  | 1266060 |
| agccaaagag  | ctcacagcgt | cgggcatcgt | aatgactgga  | cagggtggaac | taaacagaga  | 1266120 |
| gatgacgatt  | gctacagtta | ccatgaaacg | tagcgtttct  | cgtattgact  | tggattcttc  | 1266180 |
| attcgaagga  | gtgaaagtaa | atagcttgaa | aataaaaagt  | ataataccgt  | ccggtttcgt  | 1266240 |
| caatgagcaa  | gtggaagtac | attctgctgc | tggaaactgaa | gctgccgatc  | tggcaaaaga  | 1266300 |
| tttcggagaa  | actccttttg | gaaatggaaa | agagacgctg  | ttttatgtgt  | gtgagcaggg  | 1266360 |
| aagcggacca  | tacaatgtgg | aattgatgat | tacaactgcc  | gacggagcgt  | ggcatcgcct  | 1266420 |
| gaaaacatcg  | cttccagtca | taaagcgtaa | tacaatctat  | acattgaagg  | tgtatggcaa  | 1266480 |
| tggagcagat  | gcccgtgtgg | aagtaatgac | cgatgactgg  | gaaaacggtg  | cttcgtcaga  | 1266540 |
| gtccggacaa  | gtattgaagg | ggttgattga | tcaggccgct  | tctgaattgt  | cggaaggagt  | 1266600 |
| agaaatcaac  | gagcgtggcg | attctgtctt | tgtgccttat  | ctggaaagca  | atcttcattc  | 1266660 |
| ggctctgatg  | gcagaagggg | gaaccgctct | ggtgatagac  | ggcaaggtag  | aaggagttaa  | 1266720 |
| tgtgacttcg  | caggttatga | cacgcagctt | gcaacaagtg  | gctcaagtgg  | atgtcagcag  | 1266780 |
| tatccggaag  | atgccgggaa | gtgtgcagga | atacatttat  | ctggatgtat  | ataaagggga  | 1266840 |
| tgtctgtacc  | ggacgtgtcg | tactggtttt | ccgtccgaat  | ccgattaaac  | tgacgggcaa  | 1266900 |
| gctccgtttc  | agcggcgatg | ctgtgtgcga | cttcaacgga  | tatgttgatg  | gagaacttgg  | 1266960 |
| ggttctgact  | ttgccgaaag | ggaagaaact | gactgccgaa  | attgtaggta  | ctgctccctg  | 1267020 |
| gatgaaagtg  | gaagcagatg | aagctgcggg | tagttaccgg  | attattgccg  | gctggaaacc  | 1267080 |
| gaatgatccg  | gaagccgacg | gacgcataca | ggaggcacat  | ttgctgggta  | cggatacaga  | 1267140 |
| cggaggacat  | ccggagactt | atacgatcaa | aagacaaaac  | tggggattgc  | cggtagtcaa  | 1267200 |
| tgtaaaccgga | acatggtggt | gtaaatataa | cttgcgcgga  | aatgtgaaaa  | attttgctga  | 1267260 |
| ccagattttg  | gtaaaagacg | atccggttgc | agaggggtacg | actgttttcg  | attacctgaa  | 1267320 |
| gacgtgtacc  | gacgaagaat | tgttgaaggc | catgggagat  | cagtatcagg  | ctggcaatct  | 1267380 |
| tgacggtttg  | aagctgacac | acgaagctga | cacattctac  | tacaaaggct  | atcagagtac  | 1267440 |
| atccggaaaac | tttgaacga  | tggatccaac | ggaaatggct  | ccagatgggt  | atcaggttcc  | 1267500 |

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| ttggggcgta  | tttaacaata  | atctgggaca  | acgactgaat  | ttctcgggtg  | cagaacgtac  | 1267620 |
| attgacagtc  | gatggagtgg  | aatacgggtac | ggttgggtctg | tacgactttg  | tttacaatgg  | 1267680 |
| taccactgg   | acgatatattg | gtttggggca  | tcagtgggga  | gataaaaagta | tctcgaagat  | 1267740 |
| ggcggacta   | tatgcgactt  | acggaaacgc  | caataatact  | tggcttatag  | aggggtaccc  | 1267800 |
| caagagtaac  | ggcagtggaa  | actggtttaa  | gtatgcaaac  | cacaatgctc  | agaaaacccg  | 1267860 |
| gacgatacga  | tgtgtaaaga  | ctccggttga  | atatatttat  | gaataataaa  | aaagaatcac  | 1267920 |
| aaataaagaa  | agaatggtaa  | aatgaaaaa   | tttaggatta  | gtaagtgttg  | ttttattggg  | 1267980 |
| aatggctttg  | ggggcatgtt  | ctaaggataa  | tgatgtaaac  | ggagatttgg  | gtggaactcc  | 1268040 |
| gcatcagctg  | acgattgcta  | cacgtcaggt  | ggcttacgaa  | ggaaccggac  | aggaacttgc  | 1268100 |
| tggagagaat  | acgattacag  | acatgaaggc  | atgtgtgttc  | gaaaaaggaa  | taatgactaa  | 1268160 |
| agtttttgag  | aacttgcaac  | cagcaagtaa  | tggctataac  | ctgcaaatag  | atagttatga  | 1268220 |
| tgctacggtg  | tatatggtag  | ccaatgccga  | cggactgttg  | aacttgcagc  | agatgcaggc  | 1268280 |
| cgatggcatc  | agcgaagata  | aatggaaagc  | tacaaccata  | ggcttgaaag  | agaataaggc  | 1268340 |
| tgccaacgtg  | tttaccggaa  | tgttgaccct  | taatggagaa  | aaccagacat  | cacagacgtt  | 1268400 |
| gaccttgaag  | cgtgggtgtg  | ctcgtttcga  | cttgaatgtg  | gatgtagctg  | gaacggcatc  | 1268460 |
| tatcgagagc  | ctgacaataa  | aaaatgtggc  | gcagtcgggg  | tatctgcttc  | cacaaaatga  | 1268520 |
| aggagtgaag  | tccccgaaa   | acgtaaccgc  | caaggatatg  | actgtagctt  | tcgatactcc  | 1268580 |
| gcttacagct  | tctactccgg  | ctgtgtctta  | tgtgtacgag  | caggaaaaca  | aaggtttgga  | 1268640 |
| ggtaagtatc  | aatgctgtaa  | tagatggaca  | gcctaaagta  | ctgacaaaag  | cgttggaagg  | 1268700 |
| taacctaaag  | tgaacgccca  | tttatactat  | caactgtacg  | aagaacgata  | tagacatcgt  | 1268760 |
| ggtgaaagta  | ggtatcgaag  | actgggaacc  | gggtgatgat  | actgagatta  | ttcctcaact  | 1268820 |
| ataagtgcaa  | taatattctg  | accgataaga  | aaaatgatat  | ataaaaagaaa | ctgttttaggc | 1268880 |
| ctatttgccg  | tattgctttc  | ggcttttctg  | gtggcttcgt  | gttcggatga  | atacagggcc  | 1268940 |
| ggacagaacg  | gcttcgaagc  | tccggccggt  | gttcaagcca  | gtgttttcggc | ttttcaggta  | 1269000 |
| gacgggagag  | tttcttcgct  | cgaaggagaa  | aacgaaatag  | agaatatgca  | ggcttgccctg | 1269060 |
| ttcgaagatg  | gtctgatgac  | tgaagtctac  | actaacctga  | gtaattcgtc  | tgactcttat  | 1269120 |
| tcgctgaagc  | tgaagagtat  | gtcgggtacc  | ctttacatgc  | ttgccaatgc  | agctgacatt  | 1269180 |
| atcgacttgc  | agcagatgaa  | ggagaaaggc  | actacggaac  | aggattggct  | gaacactacg  | 1269240 |
| gtgaaagccg  | aaggagggaa  | tgctcctcgc  | ttttttacag  | gcaagataga  | tttgaaggaa  | 1269300 |
| cagcaggggac | agactgtact  | tcccgtcacg  | ctgaagcatg  | gaacagcccg  | tttcgatttg  | 1269360 |
| ctcctcagag  | cgggaggtgt  | tatttctgta  | aagagtctga  | cgctgaaaaa  | tgtgatgcaa  | 1269420 |
| gcatcttatc  | tgataaccgc  | ggatgaagtc  | gcttctcccg  | agggagctgc  | tgtacaggat  | 1269480 |
| atgcagggtg  | attttccgga  | accgttgacg  | caggatcttt  | cgggcgtagc  | ttacgtatgc  | 1269540 |
| gaacaggcta  | atccgcagct  | gaaagttgcc  | gtcacaatgg  | aatgggtgg   | aaagacttat  | 1269600 |
| gtaaagggaag | ccgatttgcc  | ggcgggtgtg  | aagcgtaatg  | ctgtctatac  | acttaccgta  | 1269660 |
| cgcaaggatg  | ctttgtcggc  | agatatccag  | ttggagggtg  | ccgcatggga  | agatggaggc  | 1269720 |
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| tcggacatca  | cggtagagcc  | tgcacctgct  | gaaggaaccg  | gtgagcgaca  | gaatcgtttc  | 1269960 |
| gtgtttcaca  | aaacactcct  | tcctccgggc  | tatccgcaag  | aatcggtaaa  | ggttttatttc | 1270020 |
| catcgcaaaag | gattgaacga  | aagttatgag  | ggggattgta  | tcacgctggg  | actggaagcg  | 1270080 |
| aatcctattc  | aactggaagg  | acttgatttc  | gaccgtcaga  | actataacctg | cgacttcggc  | 1270140 |
| cgttacgttg  | acaatgagat  | gggacgcttt  | accatgcctg  | aaggatgga   | gcttggtgcc  | 1270200 |
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| taccgcgtag  | taggaggatg  | gaagcccaat  | gaccgaaag   | ccgacggacg  | ccgacaggct  | 1270320 |
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| gcgatcggca  | attccagaaa | ctttgacgac  | cagattttga  | gttccgacga  | tccggcacgt  | 1270500 |
| cttgaggac   | agacggtaca | ggaatacctc  | aagacttggt  | cttcggacga  | atatgtgcgc  | 1270560 |
| ttgtggaatg  | ctgcctacga | aggaacgac   | ggtattgcct  | tgcaggctgt  | atatcgtgac  | 1270620 |
| gataaggtaa  | cactggacgg | atggcgtagc  | agtgaagcga  | accatattaa  | caaggaatcg  | 1270680 |
| gctacttcgc  | tttcgcccga | tggttacgaa  | atgcctactt  | tgaatgacta  | taataatatt  | 1270740 |
| ctggccagat  | tcaccatacc | aaccagctgg  | ggaggatttt  | atccactgaa  | ttatgccgac  | 1270800 |
| agcagacagt  | atcgtagcga | aattatcttg  | gaaaaacgtt  | caggcgtaga  | gcttgacgga  | 1270860 |
| cacgatttgg  | gtgaactgtg | gagtttttct  | gtcagaagtg  | tggcagggca  | cggatgatgag | 1270920 |
| ccgctgacat  | tttatggagt | aggttgccaa  | tggagtaacg  | ctggaattaa  | caacaactgg  | 1270980 |
| atattttatgg | cttggtgtaa | tcctaataatt | acaggctggc  | tggtaagagg  | agggaatgct  | 1271040 |
| agtctggaac  | acaacggtgc | gggagcgaat  | aatactcgta  | acgtccgttt  | cataaaatcg  | 1271100 |
| gcagttgaat  | atatctacca | gtaattttct  | tctcacaana  | tcgggcacaa  | ttatcctgaa  | 1271160 |
| cacgcagatt  | ttttggcagg | aattgtgccc  | gattttatttt | atcatattttc | tttccctttt  | 1271220 |
| agctgaaatt  | attatctttg | catatcgatt  | tatcctaana  | aaatgataga  | ttgattcaat  | 1271280 |
| taataaaaaag | aacgtaagaa | aatgaaacga  | atgaacatta  | tcagattaat  | ctgcttgtca  | 1271340 |
| tgctttctgt  | atgtggcaag | tagtgcagct  | caagcacaa   | acctgaaatc  | tatcctttcg  | 1271400 |
| ggtgtggcaa  | atgctgtagc | caataaagtg  | acaacttcat  | caggagtatc  | cttgaagga   | 1271460 |
| acctggaaat  | acacggctcc | cgattgtaag  | tttgagagt   | acaacttcct  | ggcacaggct  | 1271520 |
| ggtggagaaa  | tcgcatcgaa | aaaagtggaa  | gataaaatgt  | cggatgtact  | ttccaaactt  | 1271580 |
| ggttttaccg  | acggatgtac | gtacgttttc  | aaagccgata  | gtacgtatac  | ttcgacagt   | 1271640 |
| aaaggctcgt  | ctaccagtgg | aacttattct  | tacaatgccg  | atacaaaaaga | actgaccatg  | 1271700 |
| aagacgagat  | tgggcattaa | gtttacggca  | atcgtatcgc  | agcaggcatt  | atcacccaac  | 1271760 |
| aagatgagtc  | tgcttttcaa | ggcagacaag  | ctgatgtcgc  | tggctcagac  | cattggagggt | 1271820 |
| acattaggt   | agaataattc | tactatcagt  | gcagctacct  | ctctgctgaa  | tcagtacgaa  | 1271880 |
| ggacttcagt  | tgggctttga | actcgaaaag  | cagtaaaaag  | attattttaat | aagtctgtat  | 1271940 |
| ttatccgagt  | ccggtatatt | aatactggac  | tcgtttcgtt  | tatagcggca  | aaacgctgtg  | 1272000 |
| ttagggtaga  | aggagtctct | cggtatgtaa  | tagaaaacgt  | cgggagattt  | ttttattttt  | 1272060 |
| tgtacaaaaa  | acaaaatctt | ttgtacaaaa  | aatgaccagc  | ctttcgggtat | cttcttttct  | 1272120 |
| tcataccgag  | aagaattttc | aaagataact  | gatcttttac  | taccggaaaac | tcttataatt  | 1272180 |
| gtcagtaaa   | aaaaaaatgg | tacctttgaa  | tgatggtagg  | gcgttacttc  | attggagcaa  | 1272240 |
| tgcttttaaat | gccacttaat | tttattttcta | attatttttaa | tgcaatagtt  | cgttaaaaaat | 1272300 |
| tagcccagcc  | taagcggctc | tggcagtaaa  | taaaatgagt  | tccttgaaaa  | gtttgtcaat  | 1272360 |
| taattgcgtg  | tttggttcaa | tcccagacac  | gcaataaat   | cgttcaagca  | tgtaaagcatt | 1272420 |
| gtgtatgact  | gacttgcatg | atgatatgga  | atattttatt  | cccattcttct | tacaggcagc  | 1272480 |
| cttggcgagg  | tttatcgctg | caagtgatgc  | attaaagtgg  | aatgccagtt  | tcctgaagtc  | 1272540 |
| tgtagactga  | cagtttgcta | ttccggcatg  | ttgcttggca  | tcccgaagc   | agaattcgag  | 1272600 |
| ttggaaacgt  | gttctgtaaa | agtccaggac  | atcctgtgcg  | ttctgtattt  | cgttttaga   | 1272660 |
| gaaatacagc  | tgccatttgt | ccgttcttcc  | atccatgggg  | taccatacag  | ccaggctcac  | 1272720 |
| aaagcgtttg  | agtgttttgg | agtatgcttt  | cagtcgtaaa  | agttttaccct | tgttcacttt  | 1272780 |
| gtactcggt   | catcttgtga | tgtccagatt  | ttcaaagtca  | atcttctcgt  | catgtaattt  | 1272840 |
| tggacgtccg  | cgttttcctg | tcctattttc  | taaggtggga  | taaaacaata  | cggcatcatt  | 1272900 |
| cctgaaacgg  | cttattacgt | ggaaaccgtt  | atcgtacaat  | ggtttgatga  | aagttgcctt  | 1272960 |
| tgaaaagaac  | gcatcacaca | cgactgtgcc  | agaaatacgt  | ttcagctgtt  | cctgtatgct  | 1273020 |
| gataaggtaa  | gagctgtacc | agtcaacaag  | attcttctca  | cagctttcca  | gcgttgctgt  | 1273080 |
| gtcagggtgc  | tgtacagagc | ccaaagtcat  | acattcatgg  | ttgtcaacgt  | ctataactcc  | 1273140 |
| aataccggtt  | atttccagtc | cacgtttgta  | ttcaccggca  | caaccggacc  | agaaatagcc  | 1273200 |
| aatccacggc  | gttttgctgc | ctgattttgg  | aatgaaagac  | ggatcaacgg  | ctatcgcctt  | 1273260 |

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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| gcgaccacct  | ttaaggtggt  | ccctgatgat  | ggcttcattg  | aaggaaaacc  | agtcaaagcc | 1273320 |
| gtcgttctca  | aaattgttgc  | ggtatgtctg  | ttccgagaaa  | catccatacc  | gtcccatttg | 1273380 |
| taggaaaattg | atgcggtcag  | gtatagccat  | gaataatttc  | attgcatcca  | tgaatacttt | 1273440 |
| ctgaaaagat  | ttgcttatat  | ttacagctga  | ttcgagagcg  | tttctgcact  | cggattggta | 1273500 |
| ttgcataagg  | agtgattcct  | tagtcataat  | taaaagtggg  | gaagtacttc  | taatttacta | 1273560 |
| aaaatcagtg  | aattatgaaa  | tactttttct  | gttgattttc  | agctgtttag  | catatctttt | 1273620 |
| tcatcccttt  | tcttactcct  | tgacgattta  | ttcttgacag  | tatttcaatg  | atctcttgaa | 1273680 |
| tataattttg  | aaccggatta  | tgccgattct  | atgtttaatt  | ttaatttatc  | ggtaaaaatt | 1273740 |
| taccgaagta  | ttgttaatga  | aaagcggtat  | gaaaaaagtt  | attctactat  | tgcctgtgct | 1273800 |
| gctgctcaac  | ttttgtcttg  | tcttggcaca  | agatgcttat  | gaacgtaaag  | tatttgtttc | 1273860 |
| ttcatcgga   | gatagcctga  | attaccgttt  | gctggaaccg  | gaaacgatgc  | agactggaga | 1273920 |
| gaaatatccg  | ctggctcttg  | ttctacatgg  | agctggagaa  | aggggaaatg  | ataatgaaaa | 1273980 |
| acaactgact  | catggagcac  | agatgtttct  | gaatccggtc  | aaccgcgaga  | aatatccggc | 1274040 |
| atltgttttg  | ttcccgaat   | gtccggagga  | cagctactgg  | gcatacga    | gtcgtccgct | 1274100 |
| ttcttttatg  | cccgatcaga  | tgctgtggg   | agaggaaatg  | ccttcgccgt  | ttcgggcggg | 1274160 |
| aaaggaaatg  | ctcgatatgt  | atctgtcaaa  | ccgcgaggta  | gacaagtcga  | gagtctatat | 1274220 |
| cgctcggttg  | tctatggggg  | caatgggtac  | atacgatatg  | gtttcccgct  | ttccggatat | 1274280 |
| ctttgcagcc  | gctgttccta  | tttgtggcac  | ggtaaatacca | actcgtttgt  | cgacagccga | 1274340 |
| gagcgtagcg  | ttccgtatct  | tccatgggtga | tgccgatgat  | gtcgttcccg  | tggcaggctc | 1274400 |
| tcgtgcagcc  | tataaagctt  | tgaaagcagc  | caatgcttcg  | gtagaatata  | tcgaatttcc | 1274460 |
| gggttgcaat  | cacggaagtt  | ggaatccggc  | tttcaactgt  | cccgaattta  | tgagctggct | 1274520 |
| gtttgggcag  | cggaagaaaa  | agtaaagcat  | acgctcactg  | atagatgatt  | gtttattaag | 1274580 |
| taatcatatt  | attctaacga  | tttaatgagg  | ccgtctcaaa  | atagaactgc  | aaaagtaaaa | 1274640 |
| atcttataga  | ttgaagctta  | gaagtaaaaa  | tctcctactt  | ttagtctctg  | aattgaaaaa | 1274700 |
| aaaaactaaa  | gtaggagatt  | tttatgttgt  | aacttataga  | ttataagtaa  | gtctatctca | 1274760 |
| gcttttcatt  | ttaatacagc  | ctcttattca  | ttggaggcaa  | atcattggaa  | taaatgtcat | 1274820 |
| ccaaacttcc  | ttatatacag  | aaaccaatct  | ctcgttttgt  | ttacccaat   | ataggttttc | 1274880 |
| acttattcat  | cagtggcaga  | atcagcgctt  | atgggtgaccg | ggagcctcga  | acttggcaga | 1274940 |
| ctttttgcca  | tgtaactttt  | tagcatgtcc  | tggaggaaact | tctttcttgt  | gcggtccttt | 1275000 |
| agcatgatgt  | ctggttacaa  | tacacgatgt  | catactcagg  | ctgagtgcag  | agatgaatag | 1275060 |
| gaaaagtaat  | aactttgatt  | tcatagtagt  | gtgattaatt  | tttgcaaaga  | taaaattatt | 1275120 |
| ttgtagaaac  | atcccattac  | actgatttat  | tcgatgggtg  | gaattaataa  | atgctgttga | 1275180 |
| ctgttcgctt  | taggcaagaa  | tcaagtctta  | ccatttcttg  | tagttaagaa  | ttaggatgta | 1275240 |
| tacacatggt  | gcagtaaggt  | aaaatgtaaa  | agaagatgga  | aatcctaagg  | aatttatcaa | 1275300 |
| caattatgct  | ttaattccta  | agataaatta  | tcaatggtgg  | acataattatt | gcacatgcc  | 1275360 |
| ttgatattct  | aaccaaaacc  | attaatattg  | catctatggc  | tgaatatttc  | aattgaagga | 1275420 |
| gtaaatggaa  | gaactggagg  | ataaatggaa  | tatggtgatt  | ctagtgtaat  | cttaaagctg | 1275480 |
| gaatttctgg  | aatttttagga | tacgcaaagg  | atacgcataa  | aacctcaaaa  | gtgaggttta | 1275540 |
| tatccttttt  | ttaatctata  | aatcagagaa  | attagtttgt  | gaagcagtga  | ctaaaatacg | 1275600 |
| ctaattatca  | gtatattagc  | ctttaagcaa  | agaagagcgg  | taagcgggat  | tcgaaccctg | 1275660 |
| gacccttagc  | ttgggaagct  | aatgctctac  | caactgagct  | actaccgcag  | atgaaagtga | 1275720 |
| cacaaaagta  | ggttttatta  | cgcaaataag  | caataataga  | acctactttt  | tttattaata | 1275780 |
| atctatttta  | tccaatatct  | ctgttaagta  | ggcaatcggt  | actccgtaat  | ttgtcatcgg | 1275840 |
| gatgtgttga  | ttgcgcgctt  | gcgctacacg  | gttcaatacg  | tactttcggg  | tgaacataca | 1275900 |
| ggctccgcag  | tgaataacaa  | gatcgtattt  | gttcagggtc  | tccggaaaat  | ctgttcccga | 1275960 |
| aacgtggtca  | atctgcaatc  | cggctccgaa  | ctttttacga  | agcatgttcg  | gtatttttac | 1276020 |
| acgtccaata  | tcttcggcaa  | gtggggcatg  | ggtacatgct  | tccgcaatta  | gaacgtgcga | 1276080 |
| attttctgtc  | agacatccga  | tggcatttgc  | cccttcgata  | aaataattta  | tatcgccttt | 1276140 |

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|            |             |            |            |             |            |         |
|------------|-------------|------------|------------|-------------|------------|---------|
| gtattgggca | aacaataaccg | agaaggaggt | cagacgactc | gttgccgggt  | tcttttcgta | 1276200 |
| aacggttttg | aataacttgcg | agtctgtaat | gataagcgat | ggaggttgca  | ccaatgcttg | 1276260 |
| aagcatctga | tctattttat  | ctgttgta   | actcattaca | agacattttc  | tgctgagtaa | 1276320 |
| ttcgcggtt  | atctggactt  | gtggaagaat | aagacgaccc | tttggcgct   | gaatatcttg | 1276380 |
| tggcatgacg | agcataaccg  | tatcgcttc  | ttttaccaat | cttcccacaa  | ttccctgtga | 1276440 |
| catggtttca | tcgggtaact  | tagctatcag | gctgcgacgt | atgtcttcca  | ttccttggtt | 1276500 |
| ggttcgggca | ctgacagcaa  | gaggaacttg | tccgcatttt | ttctctatag  | agcgaacggg | 1276560 |
| tgcagtcgca | tcagccaaca  | ggtccgcttt | atttaatatc | catattaccg  | gactatTTTT | 1276620 |
| ttctttcagc | agacgattcc  | attcaagctc | tttttcgata | tcattctcctg | tacaaaccag | 1276680 |
| caaggcaacg | tcggtacgtt  | ccatggcagc | catggtctgt | cggatacgaa  | gtgctcccg  | 1276740 |
| ttcgcttca  | tcatcaagtc  | ctgctgtatc | gatgaagaca | cacggacct   | tgccatgtat | 1276800 |
| ctccattgcc | ttatatacag  | ggtcggtcgt | ggttcctgcc | acatcgga    | caagagctgt | 1276860 |
| ttcctgattg | gtcagcgcat  | tgatcagcga | tgacttacca | ctgttacgtt  | tgccaaacag | 1276920 |
| cccgatgtgc | aggcggttg   | cacgaggtgt | atcttgcata | aactttcaat  | cttatgagtt | 1276980 |
| agaatctgaa | atctcgTTTT  | ccttcgga   | tgcgttccag | attttccaat  | gcacggcgac | 1277040 |
| ggatagccgg | gttaggaatc  | tgttccatct | gttcacgaat | catcttcaca  | cctagctcac | 1277100 |
| gtgtttcggg | agaggcataa  | tcttcagat  | actcttgcat | ggatcatcag  | gcattcggag | 1277160 |
| cgcaacagtt | ggctatctgt  | ccagttttaa | ttaaagacat | gaagcggtcg  | cccgtacggc | 1277220 |
| cctcacgata | acatgcagta  | cagaagctgg | ggatatatcc | caaacgcaac  | agccaggcca | 1277280 |
| cgatttcac  | gagtgtacgg  | cggtcgctta | catcaaactg | tgccgagttt  | tcttcggg   | 1277340 |
| tttcttcgtg | cacatatcca  | cctacgctgg | tacgtgagcc | accgcttaac  | tgagaaactc | 1277400 |
| ccagtgccag | cactttttcg  | cgtgagcgtt | gagattcgcg | ggtagaaaca  | atcattccgg | 1277460 |
| tgtaaggcac | gctgatacga  | atcactgcta | cgattttctg | gaaaatatcg  | tccgaaatag | 1277520 |
| cattttcaaa | atcggatgca  | ttgatatcat | cggccgaaca | gatacagggc  | acgctgatgg | 1277580 |
| tgtgcggtcc | tacgccatac  | gtcgcttcca | agtgttcggc | atgcatcaac  | atacccacga | 1277640 |
| agtcataacg | gtaagtattc  | agaccgaaca | atacgccgat | acctacatcg  | tcgatacctc | 1277700 |
| cctgcatggc | acggtccata  | gcttcgctat | gatatgcata | gttgcttttc  | gggccccg   | 1277760 |
| gatgcagttt | ctcataattc  | tccttatgat | aggtttcctg | aaacagaata  | tacgttccga | 1277820 |
| taccggcatc | atgcagacgg  | cgatagtctt | ctaccgtcgt | tgctgcaatg  | tttacattta | 1277880 |
| cgcggcggat | ggcaccattc  | ttgtgtttga | tgctgtagat | ggctcttgatt | gactccagaa | 1277940 |
| tatattctat | cggattgtgc  | aacggatctt | ctccggcctc | aatagccaga  | cgtttggtgc | 1278000 |
| ccatatcctg | caaggcaatt  | acttcctgac | gaatctcatc | ttgtgtcagt  | ttcttgcg   | 1278060 |
| ctatcgattt | attcttgatg  | tggtacgggc | agtacacaca | actgttcaca  | caataattgg | 1278120 |
| aaagatagag | tggggcaa    | atcacgatac | ggttgccgta | gaaacgttgt  | ttgatttcac | 1278180 |
| gtgccagagc | atatatttct  | tccagcaggc | tggaatcttc | gcactccagc  | aacacggcag | 1278240 |
| cctcgcgatg | agtcagtc    | ttgcaggcgc | gagccttctc | aataatagaa  | cgaatcaact | 1278300 |
| cacgattgcc | tttgttggtt  | tgcgcatagt | ccagcgtagc | caagatttca  | tcgtggttga | 1278360 |
| tgaactcttc | tgcatgaggt  | gaatctat   | tatacataat | tgattttata  | ttttaaacga | 1278420 |
| taataaacia | tggtcta     | tgcgctataa | tctcctcttc | ctttatcgat  | aacatatccg | 1278480 |
| attgcttcca | gccgtttttc  | cagcaaaaga | agtccttcgg | cagcctcggc  | tcccaaagaa | 1278540 |
| gctttattat | cgtatagaga  | atatttgctt | cgctgtacga | caggggatag  | gttgggc    | 1278600 |
| acgacattcg | cacctgccag  | tatgcctttt | tctcttcctt | ctggagcaag  | ggttgcaagg | 1278660 |
| gctgtagtcg | atggatcag   | agcatgtgga | tgcatcaggc | ggaaaataga  | aagcaacagc | 1278720 |
| agtgtctgct | tcatactgcc  | cgacggcatc | ttggcaaaag | gagtatcatg  | gtgtggaaga | 1278780 |
| aacggtccga | taccaatcat  | ttcgggctgg | agtttctcga | tgtaaaggat  | atcttcacc  | 1278840 |
| agggtgtcga | tggtttgatg  | cggacttcct | accataatgc | cggtagccgt  | ctgaaagccg | 1278900 |
| attcgcttca | agtcattcag  | gcacctcagg | cgattgggca | atgacatgtt  | ttcaggatgt | 1278960 |
| agcttgctgt | aatgcgattg  | attgtgcgtt | tcgtgacgaa | gcaggtaacg  | gttggctcct | 1279020 |



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|-------------|-------------|-------------|-------------|-------------|------------|---------|
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| acatccggga  | actcttttcg  | gatagaagtc  | acgggtacgga | caatcatttc  | atcgtcattg | 1279140 |
| atttctcctc  | cctggaggac  | aaacgtccgg  | aatcccagtt  | tataaccgtg  | ccgacagcat | 1279200 |
| gccaaaacag  | tttcttcata  | cagggtgatag | cgttctacct  | gatggttact  | tcggcgata  | 1279260 |
| ccgcaataat  | aacaatcatt  | cttgacgagg  | ttgcctacct  | caatcagtc   | tcgtatgaaa | 1279320 |
| atcttgtttc  | cgaaattttg  | ctgcgcaacc  | tcacgggcaa  | gagtattgat  | aaaggagaga | 1279380 |
| tcttcttcct  | cacattgact  | gagtaacaca  | cgaaattcat  | cgggagagag  | tgttcgctcc | 1279440 |
| cgatgaagac  | gttctatcaa  | acttctcatg  | taatgcggag  | aagatattat  | tgttccttat | 1279500 |
| aattttcgtg  | tttcagcgta  | cgtttcagca  | agtcctgatt  | caactgacgc  | tttcctgata | 1279560 |
| ctgaatcatt  | gtaagcgctc  | ggtccgggta  | cacaaccacc  | ttcgcaagcc  | atcatttcaa | 1279620 |
| tgaactgagc  | atctaccttt  | ccagtccttg  | cccatgcacg  | catttggtccg | atactcttct | 1279680 |
| tggtgaagtc  | ggagaattgc  | aacatcttga  | taccgtcagc  | tttcgggtccc | agataagcct | 1279740 |
| tgacagctcc  | agcaacacct  | cctgcctgag  | cgaaccgtg   | tgcttcgcat  | acagattcgt | 1279800 |
| atgctacctt  | gtacggatta  | gtctgagcca  | gttcgatacc  | aaatccacgg  | aagatagaat | 1279860 |
| gtaattcttc  | gaatgttatt  | acatagtcga  | cgcattcgtc  | gcgctgtgct  | tctttacgct | 1279920 |
| tggaataaca  | tggaaccgata | aagaccacct  | ttgcattcgg  | atatttcttt  | tttgcaatac | 1279980 |
| gtgacgcata  | atacatcggt  | gagcctgtgc  | ccgaaacata  | aggtttcatg  | gctggaatat | 1280040 |
| gcttgtttac  | cagttcgatg  | tacgacggac  | aacaagatgt  | tgatcataaac | ttctgtcctt | 1280100 |
| cttccagttt  | ttccagcaat  | tcgtgtgctt  | cggtgtggt   | cgtttccata  | gcaccttctg | 1280160 |
| ctacttcaat  | gatatcggcg  | aagcctactt  | ccttcagagc  | accatacacc  | tggtcgatgg | 1280220 |
| ttgcattgaa  | ctgtcccaat  | acagaaggag  | cggggatagc  | cactacctgt  | tcgccacgac | 1280280 |
| ggattgcttc  | cagtacgtca  | aatacctgag  | atatttcgaa  | aatggcacca  | aaaggacacg | 1280340 |
| cattcagaca  | ttttccacaa  | tagatacact  | tgctctcgtc  | gatgtgctca  | atgttatgtt | 1280400 |
| cgctccttgct | gatggccttt  | actggacatg  | cttcttcaca  | tggaaccggg  | atgtatacaa | 1280460 |
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| aagaacatgc  | ttcatcgata  | acgcaaagaa  | tgttttcttt  | cagtttggtt  | cgtctgccaa | 1280700 |
| gtgcctgacg  | ggcatattca  | gaaagcgggg  | tcagttcgtc  | tgtttcatca  | gacatatccc | 1280760 |
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| gtcctaccgg  | ttgcgaacga  | cgcgggctga  | attctaattg  | aacacgggtca | atTTTTTcaa | 1280880 |
| taagtgggtc  | ttctttccac  | aaagccacga  | gtttttccag  | cagtttggtg  | cgtacgatca | 1280940 |
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| atcgctccgt  | cttctatacg  | gacacggtct  | ttgggtccta  | aaagttcatt  | catcaggaat | 1281120 |
| gtaccagtaa  | tactatcggt  | atcgcgacg   | gtatatatga  | tattcccctg  | cttggttacc | 1281180 |
| ttcacattca  | gtatgcagtg  | acggcggtcc  | atgctaggtg  | catttggttt  | tacgggaata | 1281240 |
| tctatttcgg  | ttcccttaca  | acggcggtcc  | atgatattgt  | caccttcgtg  | caaagggagt | 1281300 |
| acttgcttgt  | agccgaaaac  | attctctatg  | gccactacat  | ttccgaaatc  | ttgtgttcct | 1281360 |
| tctttttcgt  | ctactatctc  | ttcacggcgt  | gagccggcat  | ttaatttaga  | ttttccaata | 1281420 |
| cgaatgccaa  | actgcttttt  | gcaattgtcg  | cacacaaaaa  | ccagtgactg  | accttcttcg | 1281480 |
| tattttggtt  | catcgaattg  | tatatagttg  | tcacacttcg  | gacatctgac  | tcttttcata | 1281540 |
| atgtgggtta  | ttcagtttta  | tttagaagt   | aatacccatg  | ccgatgcata  | tttcgcatca | 1281600 |
| cctttcaagg  | cttttacctg  | cctataggca  | tcagcctgct  | tgctgtactg  | gtcgatagca | 1281660 |
| acacgaaatc  | tgccgttcga  | ttcaagcact  | tgtgcgtttt  | tatatccttt  | ctgtttcagt | 1281720 |
| tgctttactt  | cctgctgtgc  | gtcgctcatt  | gtgtcgacac  | tggttacgat  | aacataataa | 1281780 |
| cctgtctgct  | tcttggtcgg  | agctttttcc  | ggtattgggg  | cgggagcagg  | agtttggttc | 1281840 |
| ttttccactt  | cccgtttctc  | agccaatttg  | acggttgctt  | tttgagctgg  | tttcgcacta | 1281900 |

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|             |             |             |            |            |             |         |
|-------------|-------------|-------------|------------|------------|-------------|---------|
| ggagctgctt  | caaccttttc  | agtcttgaca  | acgactgggt | tcagcgtggt | gatattat    | 1281960 |
| ttgatata    | gtctttttac  | ggtcttttgc  | tcttgtttct | ggcttttggc | ctgagtattc  | 1282020 |
| gaagccggtg  | atgtaatgat  | actcgaagcc  | atcgactggt | ttctgatagc | atcgaacaat  | 1282080 |
| ccggctgaac  | ctaatagaagc | atattccgca  | tcatccatat | aagtattttc | tacaggtacg  | 1282140 |
| gaaaacagga  | agaacagcaa  | tatagccgca  | gcaacagcca | caatgttctt | tgcccatttg  | 1282200 |
| cggtaatgag  | gacggaaacg  | gcgggtgctg  | atcttgaccg | tacggcgcat | gaccggttcg  | 1282260 |
| aatgcagaag  | gttgaacgga  | cggcttctcc  | tgagccagtt | tcgggaaggt | aaaagcctga  | 1282320 |
| agtccgtaca  | gtgacggcgt  | aaagaaaccg  | tttgcttccg | gctcaaactc | atacacacca  | 1282380 |
| ttcatgttat  | agtacaatgt  | acccacgttg  | ttcaggtgga | tatgtccttg | ccggtaaata  | 1282440 |
| tcttctttca  | gttgtgaaac  | tattttctct  | attctgcgag | ttgcgtcggg | gaaatctgtg  | 1282500 |
| ttatacgctt  | gcatatacga  | ctgcaccaac  | agaccatcgt | tcatgacaag | ttgtggatta  | 1282560 |
| aatccgatgg  | tacgagcagg  | cggacaaaac  | tctcccgtat | cttcggtgaa | tacagacgaa  | 1282620 |
| cgatagtggg  | ttataaagcc  | tcctaaccac  | gggacaatta | cacaatcatt | ctccaggagt  | 1282680 |
| aatacttcta  | tatgttttgc  | caattcaatc  | ataatgcaa  | tataggattt | ttttctttta  | 1282740 |
| catcgtgcgt  | cttttgagca  | ttttgttcga  | aaagatggat | acactttttg | taaaggtgca  | 1282800 |
| gcgaacggca  | actttacgtg  | tgtccgacaa  | gatgatatac | ggtagaactt | ctctttattc  | 1282860 |
| gtctggttgt  | ctttgtctaa  | atatttttct  | gccaaaagga | ggggaaagcc | ggagagtttg  | 1282920 |
| tttctttcgg  | aacctttttc  | cacaagtcga  | gcatatccgt | ttctccccag | taccagcgga  | 1282980 |
| caagacctgc  | aaaaacattc  | ttgtaccgga  | agagcgggac | agaggtgcta | ttgccgcgca  | 1283040 |
| tggtagatag  | gggtgtagca  | gtgaacaaat  | ttccgtccgg | atttgccgtt | tcggtgtagt  | 1283100 |
| gagattcata  | accgcgtaat  | gccaatccgt  | gatattccgc | ctgacgatag | cctgcatttg  | 1283160 |
| ttcgcgttgt  | catcgtaaag  | tcgaaaggaa  | atatgtttgc | catttcgtaa | gctgttcctc  | 1283220 |
| cctgacggac  | tgtaaagcga  | tgggagagca  | gtatcattcc | tccacattcg | gcaagcaatt  | 1283280 |
| tgccacctcc  | ttcgatataa  | tcgcgaagtt  | gactaaaaag | tctttttcga | cgatataact  | 1283340 |
| gacgtgcaaa  | caactccgga  | taacctccgg  | gaagatatac | cagatcagca | ctcggaagat  | 1283400 |
| cacttccata  | cagcggactg  | aaataggaaa  | tctgaccata | ttgtgccagt | gaatctatgt  | 1283460 |
| tttcttgcca  | taaaagacag  | aatgcggggg  | ctcgggcat  | ggctatttgt | agtttttttc  | 1283520 |
| gacctacaag  | atgcctgaca  | tctggttccg  | actcggacgt | atagggcagg | atgtgctgac  | 1283580 |
| atggaaaaat  | acgctcgcgt  | aaatttagca  | gcttatccac | gtttacatac | ttttcgataa  | 1283640 |
| gagaagctat  | ccggtcaatc  | tgttcgttca  | tggtagctcg | gacagacaaa | accagtccc   | 1283700 |
| aatgccgtgg  | aggtaattta  | aatcatcca   | caacaggtag | atagcccaga | cattctactc  | 1283760 |
| cggcatctgc  | acatgcctct  | tgcaataaag  | tcaggtgagc | aggcgaagca | acctgattga  | 1283820 |
| acacaactcc  | cacgacctgc  | acatagtttt  | tgaatgttt  | gaatccgtac | agaataggag  | 1283880 |
| caacagaata  | tgccgtagca  | cgagcattga  | caaccagaac | gacgggtatt | ttcagcaatc  | 1283940 |
| gggcaatatg  | tgcatgtctc  | ccttgaggc   | gattatatcc | gtcgaaaagt | cctgccgttc  | 1284000 |
| cttccgtcac  | gcagacatct  | gcctgctcgg  | catacttatt | atatatagtc | tggtatgtgc  | 1284060 |
| cgtccgaagc  | cagccaggca  | tccagattta  | ctgaatcgca | gtcggccgcc | agtgtatgat  | 1284120 |
| actgcgtgtc  | gatgcaatca  | gctccacatt  | tgaagggtg  | tggtcgcaat | ccttttcgcc  | 1284180 |
| gaagcacacg  | cagcaatccc  | agcgtaaagg  | tcgtctttcc | gctaccagat | atgggagatg  | 1284240 |
| ctatcagtaa  | ttgtggtttc  | atgcctgctt  | cggttattaa | aatcgggggc | aaagataggg  | 1284300 |
| agaactcgtg  | aaatttcgat  | ataaaactga  | taaatatgtg | ggaagcagtc | gctgacagcc  | 1284360 |
| agtaaaattta | ttttcctagc  | cagacttata  | aattcttgac | ataactactg | ctttatattc  | 1284420 |
| cgaaaagcatt | ttattttatcg | tgcgattttc  | agtacttttg | caggcaataa | aataaaaaatc | 1284480 |
| aatgaaaaaca | atcggtataa  | ccggcggggc  | caagggtata | gggcgctgcc | tggtagagta  | 1284540 |
| ttttgcatcg  | cagggaataa  | cggctttttt  | tatcgatatg | gacgcggatg | ctgttgcgac  | 1284600 |
| tgtaacggaa  | aagttatgtg  | ccagacagat  | ggacgtgcat | ggctttacag | gggatattgc  | 1284660 |
| cgacgagcag  | gtattacaga  | agtttgcgga  | gagagtgata | gaagaaactc | cgcaaggcat  | 1284720 |
| acactgtctg  | ataaataatg  | cttgccgtgat | gaaaggagga | atcctgagtg | gatgtagtta  | 1284780 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| cgaggatttt  | ctgtatgtgc  | agcgtgtagg  | tgttgccgca  | ccttatctac  | tcagtaagct  | 1284840 |
| tttcatgcat  | cattttgccg  | gtgtcggttc  | catcgtaaac  | ctttcgtcaa  | ctcgtgcgtt  | 1284900 |
| tcagtcgcag  | cccataaccg  | aagcgtatac  | ggcagccaag  | ggaggcatta  | ccgcactgac  | 1284960 |
| tcatgcgcgt  | gccgtaagtc  | tttcgggaat  | agcccgcgtc  | aatgctattg  | ctccgggatg  | 1285020 |
| gattgatacc  | ggtaagttcc  | acgacgaaag  | ttatgttccc  | aactacacgg  | aaggagatat  | 1285080 |
| catgcagcat  | ccgtcacagc  | gggtgggaga  | gcccgaagat  | attgcccgcg  | ccgttgagtt  | 1285140 |
| cctgtgcgac  | gaacgtaact  | ctttcatcaa  | cgggcaatgc  | atcactatcg  | acggcgggat  | 1285200 |
| gagtaaaactg | atggtttatc  | ataacgattg  | cggatggaaa  | aaagaataaa  | acagttatta  | 1285260 |
| attatttttat | aaagatcctt  | tatgttatta  | caattgttat  | ttgtccttgt  | tgcgataatt  | 1285320 |
| gtcggtgcaa  | gagtaggcgg  | tatcggacta  | ggaatactgg  | gcggaacttg  | tcttgccgta  | 1285380 |
| ctgactttcg  | tggtcgggct  | ccagcccact  | gctcctccga  | ttgatgtgat  | gcttatgatt  | 1285440 |
| gtagccgtca  | ttgcggcagc  | aagctgtatg  | caggcagcag  | gaggactgga  | cctgatgggtg | 1285500 |
| aagtgggcag  | agaagatttt  | gcggaaaaaat | ccacatcaca  | ttacgtgtct  | tagcccgttt  | 1285560 |
| gtgacatact  | tttttacctt  | tttcgctggg  | acgggccatg  | tagcttattc  | cgttcttccc  | 1285620 |
| gtcatcgccg  | aggttgccaa  | agatacaggt  | attcgtccgg  | aacgtccgct  | gggtatcgca  | 1285680 |
| gtcatcgccg  | cgcaacaggc  | tatcacggcc  | agtccgatat  | cggcagcaac  | agttgccatg  | 1285740 |
| ctcagcatgc  | ttgccggata  | caatatttcg  | ttgttcgata  | tcctgaagat  | ttccattccc  | 1285800 |
| tgtacgctga  | taggagttct  | cttaggagcc  | ttgtactcta  | tgaaagtcgg  | caaggaactg  | 1285860 |
| aaagatgatc  | ctgaatatca  | aagacgactg  | gctgccgggtg | aaatttccgg  | cgacggttat  | 1285920 |
| catacggcag  | aggtggcaag  | ctatggcaag  | gcattaactt  | ccgtcattct  | ctttctggct  | 1285980 |
| gccacgatag  | gcatcgtttt  | gttcggatcg  | atcgacggac  | ttcgcccgcg  | atttgcaacg  | 1286040 |
| gctcagggag  | aagtgcagat  | ggagatgtcg  | cacattattg  | aaatattgat  | gctttctgcc  | 1286100 |
| gcatcactca  | tcctgctgct  | gactaaaaca  | gacggtataa  | aggcgggctaa | atgttccgta  | 1286160 |
| ttcaatgccg  | gaatgcaggc  | tgtagttgcc  | atctttggta  | tcgcatggat  | gggagatacc  | 1286220 |
| ttcattgccg  | gaaacatgga  | agtgatgaaa  | gagaatatct  | tcgggtcttgt | taccgatatg  | 1286280 |
| ccttggctgt  | ttgggtgtagc | cttgttcctg  | atgtctattc  | tggtgttcag  | tcaggcggct  | 1286340 |
| accgttcggt  | ccctgttacc  | actcggcata  | gcactgggca  | tctctcctta  | catgctcatc  | 1286400 |
| gcacttttcc  | cggcagtgaa  | cggctatttt  | ttcctgccta  | actaccgcgac | ggtgatagct  | 1286460 |
| gccataaaact | ttgatactac  | cggaaacgaca | cgaataggca  | aatacctgct  | gaaccattca  | 1286520 |
| tttatgatgc  | ccggactgat  | agctaccatt  | gtatcagttg  | tactgggtat  | tgtgtgggtt  | 1286580 |
| tcaatgatgt  | aattataagt  | atatataata  | gccctatcat  | agctaagcca  | aaaatttgat  | 1286640 |
| agggttatta  | ttattattta  | ttgtctgtaa  | tatcctaaat  | gattgattcc  | aatttaagaa  | 1286700 |
| ataatataca  | acgccttttt  | atgggtgaaa  | aattcaatga  | ttattcatcg  | tattaaagaa  | 1286760 |
| cagtaaaataa | gccattgaag  | aatctgaaa   | ttacagagcc  | aatgtaaaca  | acaaatttga  | 1286820 |
| caaggtaata  | gataattaca  | caaaaaataa  | taatcattat  | gcctgtccag  | acagcttttc  | 1286880 |
| ggtttacttc  | actaatcact  | tcttgggtcat | cttctacaaa  | gccgacaata  | agtttgacgt  | 1286940 |
| tctgtagata  | agcacgattg  | aaaacatcaa  | taatatcacc  | gatacaaaaac | gggattaacc  | 1287000 |
| caagtgccat  | atcgcggaagt | atattgaaaa  | taacagctaa  | tgtcaaagggt | aatgaacgta  | 1287060 |
| ccttacaagc  | tgctacatag  | ataaaaggca  | cagcaaaaat  | tgagggttaat | gcatctccaa  | 1287120 |
| atcccgggtat | gaaaaaacca  | attaaaggat  | ccaaaaagaa  | tttatccatc  | catttggtcta | 1287180 |
| taccttgaat  | ggttctataa  | gatgaagatt  | gctcaatttc  | catacgccgt  | aactgctttt  | 1287240 |
| tcatattgtcg | ctgttcttct  | ttttgaatgg  | catcttcaat  | ttgtaattgt  | tcttccgtat  | 1287300 |
| tgtccagacc  | taattctttt  | tgagcctgct  | gccttctggt  | attttgtatt  | tactcataaa  | 1287360 |
| ttctatcggt  | ttagttccat  | tgataaaatc  | ttcccagttc  | ttgtcttcga  | ataaatcggt  | 1287420 |
| gtttttgtct  | gccaatgccca | ataatccggt  | ttttagttgt  | tcatggtttt  | gagctgtatt  | 1287480 |
| cattcggtgc  | agactttttg  | tcagaatact  | gcctctgtca  | tttagatttt  | ctagatgctg  | 1287540 |
| atgaaagaga  | ttttgtaact  | ttgtaagttc  | ctgattatac  | ttatgctctg  | caatagtatg  | 1287600 |
| ttgtactttc  | atggtctcta  | gtttaatcgc  | actctcaaga  | aaagcaaccg  | tttgctgaat  | 1287660 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| agctatactt  | tcagtatccc  | ttaccccagc  | taattcgtgt  | tcaccttgtg  | ttacatcttg  | 1287720 |
| aatcgattcg  | ttaacagaag  | tattatctgc  | attatttccg  | atagattctc  | tttgttgtac  | 1287780 |
| aggaattgta  | gaatctgaca  | aagactcttt  | tattgactga  | cagaatacgt  | ttagtttgtt  | 1287840 |
| actcaaatct  | tcaggaatcc  | ggatatcttg  | ccgggtaatg  | gaaactgttt  | tagttaatga  | 1287900 |
| atcatctaata | cggttctctg  | caattcttct  | accagtcgc   | aacaaattga  | taacagcttc  | 1287960 |
| caaatgagga  | atcatcttta  | agcgcacatt  | tttatcagct  | ctaatagcctt | ccatgattaa  | 1288020 |
| tttattatgt  | tgttgtagtg  | tttgctttaa  | acgattgtat  | tccatttgat  | ggtctttaag  | 1288080 |
| tcttatgcct  | tgttaagtcca | attcatcact  | atccagcttt  | atgtctacct  | gtaaattctc  | 1288140 |
| atactgtgtg  | ataagcgggt  | tacaaatctg  | gttccattca  | taaatgtttc  | tgttatagga  | 1288200 |
| cttattcaat  | gtgccaatg   | tacatacgtt  | catcagaaaa  | gatggtttgg  | aaggcttcgt  | 1288260 |
| tcgttttagct | tcctgatatt  | gtgcctgcaa  | cctgtcagag  | aattgtttac  | actccttaat  | 1288320 |
| atgcatagaa  | taatagccga  | tattaagttc  | ctcatcattc  | atctcttgct  | ctattctgtt  | 1288380 |
| tagctccacc  | agtatctcgt  | cacgtttctg  | cttcagactt  | tttaccttat  | cgccggcata  | 1288440 |
| aagcaaatcc  | gttaactgat  | tccattcttc  | cgaagaatc   | tgttccgcaa  | atttacagaa  | 1288500 |
| agcttctgct  | tcgggtatga  | aaacatcatt  | aagtgtttta  | tagatgacaa  | agagtcttcc  | 1288560 |
| catactctcct | ctaatacatg  | taacatcatg  | acttacgcta  | tttttcaggc  | aaagcaattc  | 1288620 |
| ttgtttgagg  | cttgcaactt  | ttgctcctgt  | ttccatataa  | tgtgaaaaca  | tattttaagcc | 1288680 |
| tgctaataatc | agacatcaga  | tacgagcact  | tttcatattat | tgtattatag  | tcaagctgta  | 1288740 |
| catcctgtaa  | cattttatgt  | acattcagat  | actctatctt  | ttcaaaatca  | aatagctcgg  | 1288800 |
| gggaaactac  | tttgatagat  | tctccaaacg  | catcaacaag  | tgtcagggca  | tatcgatgat  | 1288860 |
| agatatcaca  | aatgtaagcg  | cgtagtttta  | cgaatctcc   | tatcaaaagc  | tgtatctggt  | 1288920 |
| gccgcgcttc  | atcgtaattt  | ccaaccagt   | tggaatat    | accaaaaact  | ttagtcgctt  | 1288980 |
| cttgttttac  | cgattctact  | cctttcggtc  | caataatggt  | accagttata  | ttacttgcct  | 1289040 |
| gatggactac  | ctcttctgt   | atgacctccg  | ccactgattt  | atttacactc  | tttagagacg  | 1289100 |
| tattccagtc  | cagtaaacgc  | tgtcgctcca  | atttaaacaa  | acagtctgtt  | tcatttttctg | 1289160 |
| taatcaatcc  | atctgcctga  | tattcatcca  | ccaataatcc  | ttttcgttcg  | ttatcataaa  | 1289220 |
| aacaggttct  | gatagaacca  | tcctgattga  | aatattggta  | agcttcccat  | accaatatcc  | 1289280 |
| ctatctctaa  | gcaatcggtt  | gatataccta  | actgctgcaa  | gtcgtgaagct | aaatcagctc  | 1289340 |
| tcgtataaac  | gacaccttcc  | tgtatgagaca | attctttgat  | tttctgatat  | atcttttagtt | 1289400 |
| tgtccataaaa | tatttgattt  | gtatagtcac  | atacatttcc  | taaattaaaa  | tgtttttcta  | 1289460 |
| cttaatgcca  | agtgaaaagc  | attcatcatg  | ctaacgtaac  | attcttcgta  | tccaattcgg  | 1289520 |
| gcactaggat  | gataactgtt  | aatcacccat  | ttttccgtag  | caggtgaata  | ataaatccaa  | 1289580 |
| tcctccgtat  | cgggtacaac  | ttgcaaactc  | gccagatatt  | gcgagcgaac  | aaaatctaaa  | 1289640 |
| ataagatttt  | ttccgttgac  | acaaccacaa  | cacagaatga  | tatttgcata  | atatagcgca  | 1289700 |
| atctgttttt  | tcagaaagtc  | tgcataatca  | ttcagatacg  | atgaaagaag  | tctattgggtg | 1289760 |
| atactagaac  | ctccacactg  | ctttttacaa  | ttacagtggtg | caatgggagc  | cgttttcaaaa | 1289820 |
| aaaggaccag  | ataattccat  | attacggact  | gtcttaaaat  | cgggtatctc  | ttctggaggtt | 1289880 |
| gtatgtaata  | gtccgtaggt  | ccacatacgt  | aggtttttga  | taaatggtgc  | tccacactga  | 1289940 |
| taagagaata  | cagctgtatt  | ctgccgcca   | gtttcctggc  | ggatattcca  | tgctctgtga  | 1290000 |
| tcattcaagt  | cttttgtcag  | aataagcaga  | cgacgttttg  | cgtttaacca  | taattcttct  | 1290060 |
| tcattgcctt  | ctcttctgtg  | ccacgatccg  | tctgcataat  | agatcagtc   | cctccagagc  | 1290120 |
| aatccgtctt  | cagagaactc  | ttctgcatcg  | tgtttacttt  | ctgcaaactg  | gcgccattca  | 1290180 |
| tcgagaatct  | gttgctccaa  | ttgttttaac  | tgtcccatat  | tcattgatgt  | taaatcagag  | 1290240 |
| gaaaacagcc  | tccagctgac  | aaactctttt  | cttgagtctg  | caaggtaaag  | ttagctgata  | 1290300 |
| taaaacacaa  | ataaaggcat  | aataatttat  | ttcattttta  | cttttgaaat  | atcgtgtgta  | 1290360 |
| tatatttggg  | aattagtatt  | ttatgatttt  | gaatttacta  | aaatcttact  | aattatgcga  | 1290420 |
| aagcagtttc  | tcttcatctt  | tttctcttct  | ttcttttatc  | tttttctttt  | ttaccatact  | 1290480 |
| aaataacgtg  | agttcgatat  | aaagattaaa  | attatcagtt  | tgaaaattag  | gaacatagcg  | 1290540 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| ataaaagcat  | taaatttata  | gtgtctaagt  | ataacattta  | agcgattacc | actatgttct  | 1290600 |
| cagagtctaa  | agttacggag  | atTTTTtgta  | tggcggatga  | TTTTtgcaag | gaatttgcca  | 1290660 |
| aaacacagga  | aaaatatatg  | gttgaagaaa  | agaatcataa  | gcatcggaac | aagccgaacc  | 1290720 |
| ggatgagtga  | tgcggaaatc  | atggatcatc  | tgatcctgtt  | ccactcggga | ggcttcagat  | 1290780 |
| gtttcaagca  | ttactacaaa  | gaatatgtat  | gcaaacatct  | gacgcatctc | tttcccagac  | 1290840 |
| gtgtgtccta  | taaccgtttt  | gtggaactgg  | aaaaggaagt  | cctgttgag  | ctgaccattt  | 1290900 |
| tcatcaagga  | agtcctgttg  | ggtacctgca  | ccggtatcag  | ctttgtggat | tccaccccg   | 1290960 |
| tgcgtgatg   | ccggaaccaa  | cgcataattga | ttcacaagac  | ttttaaggg  | ctcgccgaac  | 1291020 |
| gtggaaaaatg | ctccatggga  | tggttcttcg  | ggtttaagct  | tcacctgatc | atcaacgata  | 1291080 |
| aggggtgaaat | cctcaatttc  | atgttcactc  | cggaagaaatg | ggatgaccgt | gaaccgctga  | 1291140 |
| aacagacaaa  | gttcctgaag  | aatataaaaag | ggaaactctg  | tgcggacaag | gggtatgtcg  | 1291200 |
| ggcaaccct   | gttcgagaac  | ctgttcctta  | acggcataca  | gttgataacc | aaagtgaaga  | 1291260 |
| acaacatgaa  | gaactccctg  | atgaacgtgg  | cggacaaaat  | cctgctgaga | aaacgtgctt  | 1291320 |
| tgattgaaac  | agtcaatgac  | gagttaaaga  | acatcgccca  | gattgaacac | tccagacacc  | 1291380 |
| gttccttcaa  | taactttatt  | gccaactcgc  | tctctgccat  | agctgcatac | tgcttctttg  | 1291440 |
| aaaagaagcc  | cgccattgac  | gtttgttttg  | tcaaagacgg  | acaactcacg | atgttttaaat | 1291500 |
| ttatttcgaa  | ctcacgttaa  | atatagattt  | catcaatttt  | attttattat | cgtttgcatt  | 1291560 |
| gtccggaatt  | ttgcagtggc  | caaatttgta  | atcaaacatt  | ttggaaaaag | cctcattagt  | 1291620 |
| tccttttaag  | ggagcatcaa  | aagattcctt  | gataaatctt  | agaaagattt | ctttatgtac  | 1291680 |
| acgggaaagg  | ccagggccaa  | aattaagttt  | atttccatt   | ctgattatta | gcttttgggt  | 1291740 |
| agcacaccgt  | tttagtaacg  | ttacgatatt  | atcaatattt  | gaatcactcc | gtccaccctg  | 1291800 |
| aatacactta  | acataattcta | ttttctgttt  | gaatgcctct  | actgcatgag | ggtcattgaa  | 1291860 |
| actctctatc  | aatagttccc  | tcagccattt  | cgtttctatt  | ttttcggata | tgatgttata  | 1291920 |
| ctccttcttt  | aatctttcca  | attgtctttg  | ggaaagttct  | ggttctgccc | cctcatatat  | 1291980 |
| aaacatatata | gttgaaataa  | taggaatatt  | tatcatacct  | acaaattgaa | ggtcaccatt  | 1292040 |
| agacaacaaa  | caatctttga  | ttgctttgtt  | ccacacaatg  | acaatttggt | gtcttagttc  | 1292100 |
| cgtcaacact  | tcattgaaag  | cttcataatc  | tgcacgaac   | agactttcgt | tgtcttcata  | 1292160 |
| cggtggtgta  | tagccattgg  | gccaataatg  | ctggatataa  | ttggtgaagg | ctacttgatt  | 1292220 |
| ccaaaagaga  | agtttttcat  | cttcgaaag   | ataatcacgt  | ttgtttaaca | tgagatagg   | 1292280 |
| aaaggcatcg  | aacgatggat  | aggggaatcc  | ctccaggtaa  | gagtcacact | cgatagtatc  | 1292340 |
| gctgtttgac  | aatttatagt  | aattctgatc  | ttctttacgg  | acataacatg | gacaggcagc  | 1292400 |
| atccatactc  | catattgtat  | tactggaagc  | acattcctct  | ttcagatggc | tacaatccgt  | 1292460 |
| atatggacaa  | taaaaatgtg  | atccaagaat  | taatgtcttt  | attccatgaa | aacctttttc  | 1292520 |
| ataatctttt  | cctactctcg  | gtgtgaaaaa  | atatttcttc  | atataaatcg | cttcattagt  | 1292580 |
| gtccaataaaa | aatggactag  | ttaaaaaatt  | aatcaaatag  | tccttcaaaa | aggggataat  | 1292640 |
| cgagttcttt  | gacatcgttg  | aatcagtcct  | tatcgaacag  | ttcacgcaag | ttagttttgt  | 1292700 |
| ccgttagaga  | gatgcttaga  | atctgcaaaa  | cttcataagt  | tgagcgcttc | aattgcatat  | 1292760 |
| cgtgttggac  | aatagccact  | agacagtaag  | tgatgattgc  | tacactgatt | tgaatgcgga  | 1292820 |
| cagcattttc  | cgttgtgccc  | cagaatcttt  | ttattttaag  | gtgctgcttg | agccatttga  | 1292880 |
| agaatagctc  | gaccaacat   | cttttcttgt  | agagattagc  | aacgtccaat | gcagaaatat  | 1292940 |
| gtgttgctgt  | tgtcaggaaa  | gtgaactcac  | ggtcaccctc  | ttcatcatag | taacgaatga  | 1293000 |
| gtcggaatga  | ctcgggatat  | ttcttctctg  | agaggtatcc  | ggtcagtttc | acttcagcat  | 1293060 |
| ctgtaagtac  | atacttaggc  | atcctacgct  | tccatttaac  | cattgtgtat | ttcaagttcg  | 1293120 |
| tcttagctct  | gacaacgaaa  | aaggaaactg  | tcaggtgtat  | cctatatagt | tccttaaaaag | 1293180 |
| agtcataagc  | cctgtcgaat  | atataataag  | catttggttc  | ataatggatt | gaacacatcg  | 1293240 |
| ctgtagagtc  | gtgcttcgat  | gctgtggtta  | cagtatagaa  | ggcaggaact | tgtgcttcaa  | 1293300 |
| tgtcatataa  | gacatgagct  | ttgacacctc  | ctttctttct  | tcggaacttc | gcccattgaa  | 1293360 |
| atgtggctag  | acacaacgga  | atagttgttg  | aatcaaaagc  | atacttattc | cctggaatat  | 1293420 |

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|-------------|-------------|------------|------------|-------------|-------------|---------|
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| caaagattct  | gtagtcacga  | ttctgattag | cataagcgag | gggtggctttg | gctattggat  | 1293540 |
| tgcgtcccag  | accaagatga  | tattgcttgg | cttgatgcgc | ttcaaaagct  | acaattaagt  | 1293600 |
| cgcaagact   | ctcacgattg  | ctcagttgtc | cgaacatcat | agcaagtaac  | tgattccagc  | 1293660 |
| aggtgaattg  | tttcacgtag  | cgattacat  | tatacttgcg | aacaaagtta  | ttgaattgtg  | 1293720 |
| ttctgttcat  | aaaagcggta  | agttgagcga | atacgtat   | atcttggttc  | ataagcggca  | 1293780 |
| ttcaatttga  | ccgctaagct  | acgaattcaa | atccgtttca | ttctaaaata  | ctgcttaaaa  | 1293840 |
| gactgtat    | caacaatttc  | aaaggcccat | taaccaactt | ttattggaca  | gtagtgaat   | 1293900 |
| cgcttatcaa  | aatagaaaaa  | tatcagtacc | ctaaaggtaa | ttgatatttt  | tctattcata  | 1293960 |
| caaaccaaga  | caaaggcatt  | tatcaaaaat | catttctatt | ccagcctatt  | atcctatttt  | 1294020 |
| caagatttta  | ctgaatgatt  | cccgtatcgc | tgtctttcag | ctgaatggat  | ttgttgaccg  | 1294080 |
| cccgatattt  | acgtcctttg  | tgcagtcgcc | aggttataat | cagactgaca  | aggttgcaga  | 1294140 |
| tgtccgtgct  | gtaaagagct  | gtcgacttct | gaagatttcg | gttcaagata  | tctgtttcga  | 1294200 |
| acatcttata  | ccgctgtatc  | aaaggcaact | gccaggcaag | ggcaaactgg  | caggatttgt  | 1294260 |
| actgatagga  | acctttcagc  | acaatgctgc | ttccgttgta | tcccttggtt  | tctccttcca  | 1294320 |
| gaaagcgcca  | tccgtttgtc  | gcatacgct  | gaagcgaaaa | gttccccaaa  | taagcctgaa  | 1294380 |
| catttcccgt  | caggaaataa  | gaagtatagc | agtgagtata | gtcatatccg  | aaattgaagc  | 1294440 |
| agcggaacag  | tccgccgtat  | aaggctacgg | aaagtttctc | gggcagcagc  | cagtagttgg  | 1294500 |
| catatcctga  | cgtctgcaag  | acatcgattt | ccttctgggt | acgctgggta  | tagataaact  | 1294560 |
| gatcgtctgc  | tgtccgttcg  | tacaccgcca | tgttcgggcg | atgacatagc  | ctataaaaagc | 1294620 |
| cttcgatgta  | tgttcgcagg  | cgagtatcgg | agtatgatag | tctaagagt   | tgatatgttt  | 1294680 |
| ctctgttagg  | cttgagggtca | ggacttccgg | cagtccattc | catgctattg  | gtacggatca  | 1294740 |
| tggcatcgct  | gatcatggct  | atgcgggaag | tacgctcggt | cgactggaaa  | ttatagctta  | 1294800 |
| cttgcagggc  | attggtgaaa  | tcgtagctca | gtgccgcctt | cggacaaaat  | gtccagtagt  | 1294860 |
| cgtacgtatg  | ctcctgtttg  | cggtagtgc  | ggtaacttgc | gcctacgcct  | gccgaataac  | 1294920 |
| gcaatttgcc  | ccaatagcct  | tttatctcgg | aaaacagata | gaggcggttg  | ttgtgcatca  | 1294980 |
| gggtgagtga  | agaaacatct  | cccgtatatg | cattgttcgt | gtacttctgg  | ctgtaattga  | 1295040 |
| taccggcggt  | aagggtaaaa  | ggcttcagct | tgttttcgta | aattgcttca  | ctcaacagcg  | 1295100 |
| aataggctct  | accatctaca  | ttgtaccggt | aaggagagcc | ttcatcgtaa  | ctggtaaaag  | 1295160 |
| aatttgtatc  | gatataagga  | cctacgacat | tcaacgtgac | cgactgtcgg  | ggagtgaagt  | 1295220 |
| gctggaaaata | ataaagggtcg | agtaccggac | ttcccgtccg | gctgttgtct  | tgctgggtag  | 1295280 |
| cgacgtactc  | attcttccc   | tccactacat | ttttccgggt | gaagtcgccc  | ggcacgtgat  | 1295340 |
| tgaaatcgcc  | gcttagagat  | gcctgaaaca | cataacgtgt | agaatcagtt  | agattgtagg  | 1295400 |
| tcagcttcac  | actattatta  | aaatcgcgc  | tgctgaagc  | gatatcgta   | cgctgaatag  | 1295460 |
| tataaaccga  | accatcattc  | aagtataat  | aagccgtttc | ctccatccgg  | tctccttcga  | 1295520 |
| aatccttata  | tccgaagtcg  | tagttcaacg | aaaattcgct | tttccccgta  | ttccacttac  | 1295580 |
| cataaaccgt  | atagtttccg  | tttttggcat | tcagcgactg | gcttagggat  | gtaccaaccg  | 1295640 |
| tatatccact  | acttgcacgc  | cgtgtcgtga | tatcgataac | gtaagcgatt  | ccctcatcgt  | 1295700 |
| aacgtacgcc  | ggggttgtcg  | atgaaatcaa | ttttgagaat | gcttttcgga  | tcgagcgaca  | 1295760 |
| acatttccgc  | ctgatctaca  | ataatgccat | tgatgcgtaa | ttgcacgctt  | cctttattgt  | 1295820 |
| cgatagcaga  | tatactacgg  | gcattctcat | tgatgcggat | attgggcaga  | ctaagttttt  | 1295880 |
| gcaagacact  | ataccccgag  | ctggatgctt | ctttctgagc | atcggaagg   | tagagcaaca  | 1295940 |
| agccgtctgt  | tttatgaata  | atccgtgcag | cttttacttc | tacttctcct  | agttcgatac  | 1296000 |
| tctgatcagt  | agtctgtgca  | gatacggtaa | gcgaaaaaag | tataaacgtg  | atgccgacac  | 1296060 |
| agcctttccg  | agcaatctga  | ctgataccat | ataccaagga | atgctccgca  | gagacattac  | 1296120 |
| cttgaaactg  | atttgtaaac  | cattccattt | gtttctgttt | tgatgttttg  | gaaacaaatg  | 1296180 |
| tagaggggtg  | agtcagacta  | ctgccagaac | aaacactgac | atttgcctga  | catttcgatg  | 1296240 |
| tcagttttct  | accttgttga  | tttccagtga | ataatttcga | cctctgtctg  | ccacgatttt  | 1296300 |

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| cagatctgta  | tgctcttcta  | ctattggttt | cagcctacga | ataagcgtgt  | aaagcgtatc  | 1296360 |
| attggcatcc  | tctttcttgg  | gccagagtgc | cgtacagatg | gcttcttttag | tcaatgaatg  | 1296420 |
| tgacggtgca  | ttccaaaata  | gcagcatgag | ctgctgttgc | atgggagtaa  | agcggatagg  | 1296480 |
| agtgtgtgcc  | gctgtataaa  | accgccggtc | cgcttctgaa | taaaccagtc  | ccccgaagcc  | 1296540 |
| ggtaacaact  | tccggctctt  | cctgtttctt | tctcagatag | agccacgaca  | gcatcgccca  | 1296600 |
| aagaaaagcc  | gaaatcatgc  | aagcagccgg | aatacgtga  | tccgacatac  | cgaacacact  | 1296660 |
| ggcggccgac  | aagcgggcat  | atcccttcag | tgcaagtatt | tctcccgcac  | gtttgtcacg  | 1296720 |
| caccatcagt  | gtgtcgttgc  | aaataacatg | ctcatccggc | aattggttcc  | gataacgatt  | 1296780 |
| gtctaccaca  | tcgaaagtaa  | taaatgccgt | tttctgcaac | cgtttattct  | tcagatggtg  | 1296840 |
| gcaaaagcgt  | tcgtcggaag  | ctgcaatcag | tacctgtccg | cccgaagtct  | gacgaagggtg | 1296900 |
| tttgtaagtc  | tttatcgtat  | cttgtgtaat | gatataatcc | ctattctctt  | taagtgtctg  | 1296960 |
| tgccagcgcc  | tgattcaaat  | cggctgttag | ttcatttctg | gcagtacaat  | agttatgatg  | 1297020 |
| tccagccaac  | aaagaagtca  | gcatgagcgt | cagaaagacg | ccaacggata  | gtaatctgcg  | 1297080 |
| gttcataaga  | tcagaatttg  | attactgcaa | atgtaatgaa | ttctgtgttt  | ccttttttag  | 1297140 |
| aaatgcgggc  | taaaatcttt  | ttccgtctta | acacccattc | tttactccgg  | ctgtttccga  | 1297200 |
| tactcatgag  | gtgtcattcc  | ggtagccttc | ttaaaaacac | gagtaaaatg  | ttgcggatac  | 1297260 |
| tgaaaagcaa  | gttgataggc  | tacttcgctg | atagagtgat | cgggaaggag  | cagtcgttct  | 1297320 |
| ttggcaatgt  | cgattatitt  | gtcttgtata | tattctaaag | ccgttttacc  | cgtttccttt  | 1297380 |
| ttaattaaat  | caccaaata   | attaggtgaa | aggcaaagt  | cggcagcgca  | atatttcact  | 1297440 |
| gtaggcaacc  | ctttctgcat  | ggcattctca | tcgacaaaat | atagattcag  | aaatctttcg  | 1297500 |
| aaacgagtca  | ggatatcacg  | attggcattc | tgacgggtaa | tgaactgccg  | ttcgtagaag  | 1297560 |
| cgcagacagt  | aattaagcaa  | cagttcaata | tggttggcaa | tcagcctttt  | gcttaaaccg  | 1297620 |
| tctatggaat  | gttgcagttc  | ttcctgaata | ttcatgagac | agtcgatgaa  | agtatggcgt  | 1297680 |
| tcccgttcag  | aaagatggag  | agcctcgttc | acttcatacg | agaaaaaagt  | gtattccttg  | 1297740 |
| atgctacggc  | caagattggg  | gccacgaatc | aaatccggat | gaaaacacaa  | ggcataacct  | 1297800 |
| tgaggttgaa  | attcttcgcc  | cgtatcttct | atgccgatga | cttgctctgg  | agcaagacag  | 1297860 |
| attaccgatc  | cttttttgga  | atcgtaccgc | tgacggccat | aaatcaaata  | gcagtttttt  | 1297920 |
| tcgtctttca  | ggaaaattac  | ataaaaactg | aaggatgccc | gtaaatagtg  | catgggtttc  | 1297980 |
| gctttcgaaa  | gatcgattac  | acttacttgt | ggatgcaagg | tttctacacc  | gagcatatca  | 1298040 |
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| tacaaaggta  | agaaggattc  | ttgttccatc | gttgtgtata | aaagaaaaac  | gggtgttttta | 1298160 |
| tgacagtaatt | ctgtgttttg  | tataacaata | gatagaatag | caagggataa  | ctttgcacta  | 1298220 |
| gaaatcaata  | aaataaattg  | tatacgatat | gcaaaaagaa | gtgatgttgc  | ttacaggtgc  | 1298280 |
| cggacagatc  | ggtagggcga  | tagccggcgc | aatgggatat | ggaatgaaaa  | ttgtagtcgg  | 1298340 |
| cgacaagcgg  | attgaaaatg  | cgcaagccgt | ggccgatacg | atgaatcgcg  | ccggatttga  | 1298400 |
| tgacttccg   | gtagaaatgg  | atctgtcatc | tcgaacctct | atcctaaaaat | tgattgacac  | 1298460 |
| ggcgcagcaa  | tatggagaaa  | tcgctatgct | ggtcaatgcg | gcgggagttt  | ctccttcgca  | 1298520 |
| ggcatcggtg  | gaaaccattc  | tgaaagttag | tttatatggt | accgcagtct  | tgttggaaga  | 1298580 |
| ggtagggaaa  | gtcatcaggc  | aaggaggaac | aggtgttact | gtatccagcc  | agtccggaca  | 1298640 |
| tcgtctgcct  | gcactcgggtg | cagaaaccga | tgaactgctg | gcttgtagac  | cgacagaaag  | 1298700 |
| actattagag  | cttgatgtct  | tcgagccaca | acagatccgc | gatacactcc  | atgcctacca  | 1298760 |
| gttggctaaa  | cgctgcaatg  | taaaacgtgt | catgtcggag | gctgtaaaaat | ggggtagaag  | 1298820 |
| aggagcgcgt  | attaactcca  | tttctcctgg | tattattgtt | acccactggg  | ctcttgacga  | 1298880 |
| atttaatggg  | gtgcgtgggtg | aattttataa | gaagatgttt | gcgcagtgtc  | cagcacaccg  | 1298940 |
| tccgggaacc  | gcagacgaag  | tagcgaatgt | agcagaattg | ttgatgagca  | atcgaggagc  | 1299000 |
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| taaggaatga  | gccttcagc   | aaaatagata | agaagagaat | gtattatctt  | tgccggaaga  | 1299120 |
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| tgctctggca  | aactggaaat | aacagaagaa | caaggtcgtg  | aaaccattct  | tcggcaagga  | 1299300 |
| gactgtgctg  | ttatgtgccg | cgatcatcgc | atgtggctgc  | aaaagcatat  | tgaaaacaaa  | 1299360 |
| actccctatc  | gttccatagt | attgaagttt | tcacgacaat  | tcctgctgta  | ggcttatcag  | 1299420 |
| atgtttgata  | agaaagaatt | tcctgatgtt | caaagaaata  | agaaaagctt  | gtatgtattt  | 1299480 |
| cctcacgaac  | gtccggatgt | ccgcagtcgt | ttcgaatccg  | tcatttcctta | ttttgaagca  | 1299540 |
| ggagtccagc  | catcggatga | aattctgaaa | ttgaagatga  | tggaaggact  | gtacctgcta  | 1299600 |
| ctgcatactg  | acaagagttt | gtatgctgtc | ttattcgatt  | ttgtcgatcc  | gtggaaaata  | 1299660 |
| gatattctcg  | actttctaaa | taagaattac | atgtgcatc   | ttactctgga  | ggaaattgctg | 1299720 |
| aaatatacgg  | ggcgcagcct | tgccacattc | aagcgtgatt  | ttaaaaagat  | aagtgatttg  | 1299780 |
| cctccgcaga  | aatggctgat | tcgtcgccga | ctggaagctg  | cccatgcact  | aatgcggtcg  | 1299840 |
| ggtaaaccga  | aagtaacgga | agtttgtttc | gatgtcgttt  | tcaagaacct  | atcccacttt  | 1299900 |
| tcgaaagtct  | acaaagaaat | gtatggttgc | tctccaataa  | acagcatata  | aacatctaaa  | 1299960 |
| gctgctatta  | aagggttgtc | acaattgctc | ccgaaatctt  | tttcgaagtg  | agctttaaaa  | 1300020 |
| caaatgcctt  | tgagccgata | agcaaaagtt | ttctttccga  | tacctgctac  | ttttacgtca  | 1300080 |
| gaatgatgaa  | cattaaaaat | tagaaagatg | gaaacaactg  | tagcaaacgg  | aaaggtagct  | 1300140 |
| ttgggtaccg  | gttacgcaat | gggtatcggc | cttgccctgtg | ccgaggcatt  | tgccaaagct  | 1300200 |
| ggctatataa  | ctgtactggc | agatattaaa | gagccgacag  | tgcaagctgc  | caaactggtg  | 1300260 |
| gaagaagact  | atcaggctgt | agcctaccgg | tgtgacgttt  | cggatacgca  | ggctgtagaa  | 1300320 |
| aagatgattg  | cctggattgt | tgcgacgtat | ggacgactgg  | acgctgctca  | caacaatgctg | 1300380 |
| ggtattcaga  | ctccccagcg | gccaatggct | gaaatcaccg  | atgaggagt   | cgaccgtacc  | 1300440 |
| gtagctgtcg  | acttgaaagg | ggtatggaac | tgcattgcgt  | acgagattcg  | ccagatgctg  | 1300500 |
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| attgattacg  | ccgcaaaggg | tattcgtatc | aatgcggtgt  | gtccgggagc  | gatttgcacg  | 1300680 |
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| agttctcaag  | caagttttgt | cgacggacat | gcactgctgg  | ttgatggagc  | tttctctatt  | 1300860 |
| cattgattaa  | acgaatcaga | tatggaagag | atgaatacgc  | agaaatgtta  | cagtcgtcgc  | 1300920 |
| gaatttttaa  | aaacagcgac | ggttgtggga | gcggcattga  | ccgtttcgcc  | agctttggat  | 1300980 |
| aaagtgcagg  | ctgctatttc | cttggaaga  | gggaaaaga   | tgaaggaagc  | ggaaaaagta  | 1301040 |
| caagctgccc  | gtatgactgc | acatcgcata | ttaggtacgg  | gagaagctgc  | cttcgagggt  | 1301100 |
| tctaccttgg  | gattcggagt | tatgggaatg | acctacaacc  | ggagttatca  | tcccgataag  | 1301160 |
| cagcagtgc   | tccgtttgtt | acacgaagca | atggatcgtg  | gggtgactct  | cttcgatact  | 1301220 |
| gccatcatct  | acggaccatt | gaataacgaa | gagctggcag  | gggaggcctt  | ggggagtttt  | 1301280 |
| catgggaagg  | tgaatgttac | gaccaagttc | ggtcacgaag  | ttattgaggg  | gaaggctacg  | 1301340 |
| gggcggcaag  | acagtcgtcc | tgcaaccatc | cgtcgttatt  | gtgaagaatc  | actgaaacgt  | 1301400 |
| ttgcgtaccg  | atgtgatacc | tttattttac | caacatcgct  | ttgatccgaa  | tactccaata  | 1301460 |
| gaggaagtgg  | caggtagcat | tcaggatttg | atgaaagagg  | gaaaagtctt  | acactggggc  | 1301520 |
| atgtgcgaag  | tcagtgccga | tacgattcgg | aaggcacatg  | ctgtctgtcc  | gctcaccgcc  | 1301580 |
| attcagagcg  | aataccacct | gatgcacgtg | gaagtggaga  | gaaacggcgt  | actggatgtc  | 1301640 |
| tgctgtgaat  | taggtattgg | ctttgtacct | tatagtccga  | tgaaccgcgg  | tttctttggg  | 1301700 |
| ggcgtatctga | atgaatatac | cgaattcgat | ccgaccaatg  | ataaccgaca  | gactcttcct  | 1301760 |
| cgttttactc  | cggaagcaat | gcgtgcta   | tatcgatttg  | taaatgtact  | tcagcgcttc  | 1301820 |
| ggacgggaac  | ggggcatgac | atcggcgcaa | ctggcgctgg  | gatggctttt  | gcaaaaggcg  | 1301880 |
| ccgtggattg  | tccccattcc | gggtacgaca | aaactttcgc  | atctggaaga  | gaacttacgc  | 1301940 |
| acactggatt  | ttacgcttgc | tgctgaagaa | tggaaaaaac  | tggaagatgc  | agtagcagca  | 1302000 |
| attcccgtaa  | caggtgaccg | gtataatgct | gaacagcaaa  | agcaagtcgg  | attctgatag  | 1302060 |



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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| cgatagcatg  | ctgataagag  | aaggaaat    | gtatctttga | gaaaaacgtt  | aaacagatat  | 1302120 |
| gtgatatgaa  | aaaaatttta  | ttatctctgg  | cagcctttct | tatgatatgc  | tgtaccgtat  | 1302180 |
| gtgccccaaa  | gaaagaaaaa  | caaacaacaa  | atgaactgtc | atcaaaaaaca | cttggtgcgt  | 1302240 |
| atttttctgc  | gactgggaca  | acagccaagg  | ttgcccgag  | tattgcaaac  | attaccgggg  | 1302300 |
| gagagtgtt   | tgccatagag  | cctaaaagtc  | cgtatactcg | tgccgatctc  | gactggcatg  | 1302360 |
| ataagcaatc  | gcgcagttcg  | atcgaaatga  | acaacgtcaa | gtcacgtccg  | gcactgaaag  | 1302420 |
| ggctgaaggc  | aaacatggca  | gattacgatg  | ttgtcttcct | gggttatcca  | atctggtgga  | 1302480 |
| attgcgaccc  | acggataatc  | aatacattta  | tcgagagtca | taacctgaaa  | ggaaaaacaa  | 1302540 |
| tcgtcccttt  | tgctacgtcc  | ggtagtagca  | gtataagcaa | cagtgttaact | gaactgaaga  | 1302600 |
| aagcgtatcc  | ggacttggac  | tggcaaacgg  | gtaaattact | gaatagagta  | aataataatg  | 1302660 |
| acttgcagag  | ttggattaaa  | agcgttgtcc  | gttgatgaag | tgtggggcag  | aatcagat    | 1302720 |
| tagtaaaagt  | gaatgcaggt  | tctgaaat    | ttgaatatcc | ttaaagaaca  | aaaggcagag  | 1302780 |
| tcgtatcatt  | acttaaaaac  | aaagtttgat  | acgacttttt | taataaacgt  | aagttcgata  | 1302840 |
| taaaaatcgaa | aaataactca  | tactgttggg  | ggtgttagag | gatgtagatc  | aaactatgat  | 1302900 |
| agcaaagtgt  | atatttttta  | ctctttgctg  | gcacagttta | atttacatcc  | tcgaaatctt  | 1302960 |
| ctgctgaaaa  | tgatgcatcc  | aatcttgatt  | gacaatccaa | ttaaagttta  | gattatgttg  | 1303020 |
| taggaaaaatg | atatttttat  | cacaaatgtt  | tccttgtatc | tttactccat  | cttttgctct  | 1303080 |
| tataaaccgt  | atactccaat  | attctccgag  | tggggctaaa | agcacttcac  | ttattttccc  | 1303140 |
| ttcttggaa   | aaagttaaat  | cttgcttaaa  | ggagataagt | tcactctgtg  | ttatgtcggt  | 1303200 |
| atccattagt  | acctgaaaaa  | aagattcctt  | taattttatg | ttcatatgaa  | tataatcatt  | 1303260 |
| gaactcaagc  | atttcttttt  | gaatgaaatc  | gatgctgcaa | atgttaggat  | agacagagtc  | 1303320 |
| gatactttcc  | gcacaaggct  | ggacttgtga  | tatttcgtga | ataaagttta  | acaacttagg  | 1303380 |
| aataaaaactt | tgggtcaaaat | ctaaatgtaa  | tgtaaattca | gttccgctat  | ctgacttttt  | 1303440 |
| agtaagatgt  | acatattgat  | agatatgcc   | aaactgattt | gataccaatt  | caatatatag  | 1303500 |
| tgaataatca  | tctgaaataa  | atgaaat     | atggcttagt | ccatgatata  | aattttgtaa  | 1303560 |
| ttctttctca  | aaattaatga  | tttgtgtaat  | attggcttta | taacattcgg  | aaatattaaa  | 1303620 |
| gatggaatat  | tcaaactgca  | cattaaatag  | taatgtccca | ttttgttgat  | tataagaaaa  | 1303680 |
| attgtaccat  | gtcatgtaag  | gtacattttt  | agaatcgtaa | aatattat    | cttgcataaa  | 1303740 |
| tttatgtttt  | ttgatttgta  | aaaccgtatt  | gatgttatat | tgctaaaata  | gtacattttt  | 1303800 |
| gtttagcagc  | ttgcttaaat  | ttcccaataa  | gttattgatt | gtagtaatat  | aaatttatgt  | 1303860 |
| tatttttaatt | tattagaaat  | aatgtgcagt  | attttatctt | catcttgaca  | agagaagaca  | 1303920 |
| aaagaaaattc | gatgcacttt  | ttcatcgctc  | catacattca | acgctataaa  | aattatttgc  | 1303980 |
| agataggttt  | ttaaactctg  | ctctgatagc  | ccgaaagat  | tttcatgaaa  | gataataata  | 1304040 |
| tctttttcca  | aaatccaatg  | gaagtcataa  | tataaatcaa | ttaatgcac   | ccagtttttc  | 1304100 |
| ccgaaatagt  | ctggaaaatg  | aagagcttta  | gaaagtttag | taaacaaatc  | taattttattg | 1304160 |
| cttactggag  | cgatatgcgc  | aataaaaagct | ttcgaattta | agcattcgtt  | aatgttatct  | 1304220 |
| gtaaaaaata  | atccgttcat  | agttttaaaa  | ttttattctt | ataacagtga  | tataatgatc  | 1304280 |
| tggagtaaac  | cacataccgt  | tatttccaat  | aataatcctc | atagggtttta | gttttctctt  | 1304340 |
| tttgaggttg  | ttgagctcta  | tatctgtgct  | ccaactctcc | atcttcttta  | gctttttccc  | 1304400 |
| catctgtcag  | atcactgtta  | tagatttcca  | ttctacacat | ttgtaaataca | gacggtgatt  | 1304460 |
| ctaatttctt  | tgacctccaa  | aggtatcttt  | gactaagtac | ccactcttcg  | ttttcttttc  | 1304520 |
| ggccgctttc  | tgtaaattct  | aatttttttt  | ggtattcatg | ccagacataa  | catccaaaag  | 1304580 |
| agataacaac  | aatttttgcta | aggtttagcaa | caagggcttt | tgcgattttt  | cataattcag  | 1304640 |
| ttttttatgt  | tagttgcacg  | aatatacggg  | atgtgaacaa | aaataaaatg  | ttatagcata  | 1304700 |
| aaaaaacaga  | tatcatttta  | ttgattccac  | cacttctgac | atatagcctt  | tcctccaaaa  | 1304760 |
| atccttgtaa  | aaagaagtag  | cagatttaat  | atttttgctt | ttcaccatga  | ataatttctca | 1304820 |
| ctttttggaa  | agtaatttcc  | attggatatg  | tcgccccgaa | ttttgccttc  | cgcttccactg | 1304880 |
| atgttgtcat  | aggagtgaag  | tcgattacca  | ttgtggtgtc | tttgtccttc  | attggagcaa  | 1304940 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ataaggatgc  | ctagagcatc  | ccccattcga  | ggtgaacgga  | caataaaccg  | tacagtgtgt  | 1305000 |
| agcttaatta  | cctctgtcat  | atataattaa  | atcattgggg  | ttcaattata  | cttatggaca  | 1305060 |
| gagggaaatt  | gcagtttaag  | gtataatagc  | attaataata  | cagatcttta  | gtcttttctt  | 1305120 |
| ttaaagtata  | aatatctctt  | ttgatgggat  | ctgtaatctt  | cgatatgggt  | tcatccatgc  | 1305180 |
| tagaaagagc  | gtacaatgtc  | tcggaatcta  | actttttgaa  | ttgcagggtt  | ataaattctg  | 1305240 |
| tttgtttgcc  | atcccagttc  | atttctccca  | aataatatcc  | agccttatcg  | ggcttatatg  | 1305300 |
| ttgataatga  | attacttatt  | gtatttataa  | tatgattgaa  | tttcgggttg  | ttggagattt  | 1305360 |
| ttcttttgtt  | atcttcattt  | cctctgataa  | agaaaccata  | aaccattggt  | tcgtccattc  | 1305420 |
| tgacagcata  | tcttatttcg  | tattttccac  | aatcattttac | aagaaactca  | aaaccatata  | 1305480 |
| tcttgttatt  | aaaattacca  | ttataatatt  | tattgatacg  | gtcttctttt  | ttatctaaag  | 1305540 |
| catatctata  | ggttccatct  | tcaataaccg  | gataaccaac  | ttcttccatt  | ttctttttta  | 1305600 |
| agagttccca  | gaatcttttc  | tgcaattcaa  | tttcaactca  | cgtgattgct  | tttttgataa  | 1305660 |
| tacctaaatt  | ctgaatatat  | tttgattttt  | ctaatatcag  | atcttttaag  | tccttttcca  | 1305720 |
| tctccttgct  | tatagtttga  | tttgttaaat  | gtttaatcag  | gttgatataa  | tggctgatac  | 1305780 |
| cttctctaata | caaaggcttg  | tccgcaactt  | tctcacggca  | ttgttccagc  | catttttagta | 1305840 |
| tatcgctttc  | gtatgagaga  | gtgaagtagt  | gttcttcttc  | tattaattct  | ttatcaccat  | 1305900 |
| gttttagccgt | cttatcttcg  | tcatgaaccg  | ttccatcaag  | cgataaataa  | aacaattttat | 1305960 |
| aatcggtgta  | ctttccctca  | gcatagttgt  | gataacggat  | aagttgggtt  | tcctgggtcgg | 1306020 |
| aagcgtatat  | tttattctct  | atgataattg  | cttttctttt  | agcgtcgggt  | atgataatat  | 1306080 |
| ccagacgcc   | acctgtgggt  | gtgttcacag  | ggccgatata  | tttttctctg  | tccactatga  | 1306140 |
| cagtatcggg  | ggaaaaggat  | acaccgttca  | gaaactcgtc  | tatgaatagt  | ttcaggaaca  | 1306200 |
| catctcccat  | atgatgcagt  | cctttcggat  | taaacaaatc  | ggcaagggaag | gctgaatgca  | 1306260 |
| cacttgtttc  | attggagggtc | atatcaatta  | ccttgaacag  | gttgtagctt  | tctccttttt  | 1306320 |
| catcttccag  | tctttttagt  | gtctgattga  | gtaaacaat   | tttatcgaat  | aatgattgca  | 1306380 |
| ttccattcat  | cgtcataata  | ttatttttgc  | taaagggtaca | actatttttt  | ttagaatctc  | 1306440 |
| aaagttcaac  | cgatgttctc  | cttcaaacat  | catggcattt  | cgataataac  | ctatatattc  | 1306500 |
| atcgtatcca  | tgaacaagtg  | tatcttgtgt  | tccaaacaaa  | gcgtatgtgt  | tctttatgtc  | 1306560 |
| gaaatctgtt  | atatctgcaa  | attgatttagc | ttcgtatggc  | tggtagttat  | cgcataactt  | 1306620 |
| tgaagttatt  | tcatattgag  | tttctccatt  | tttacgtgga  | ttcagaaaaat | cgtgcactcc  | 1306680 |
| cagttgtgta  | cgcatgaact  | cggaaacgtg  | aaatgccgga  | tttacaagta  | tctttttata  | 1306740 |
| ccccctaagt  | tgttgggcga  | acatgcctcc  | cattgagggtg | ccgatgataa  | tttctggctt  | 1306800 |
| atataactca  | cataagtcct  | tcagcatggg  | taatgcttcc  | tgaggttgga  | tgggcaaata  | 1306860 |
| cggagacaat  | acatcatatt  | gaggtagaag  | tttgcgtaaa  | ttgcttgccg  | tagaagaagc  | 1306920 |
| tccggaagaa  | gaaagtccat  | ggatatacat  | cacacttgga  | aacatagaga  | atcttattgt  | 1306980 |
| gttaggattg  | aacaacaagt  | aggtaatttc  | aggattatta  | tcgtgatagg  | ttataaattt  | 1307040 |
| tgttttacca  | aatgccactt  | cgccattact  | gccatattca  | tatattctaa  | aatgatcacc  | 1307100 |
| tcggtgaata  | caggtcagggt | taatattctt  | taagttatcc  | gaaaggagct  | ctttaaaaat  | 1307160 |
| gtctggactc  | aaaaaatatg  | aagcattgtc  | tttgtaaaat  | attttttagcc | tagtcatacc  | 1307220 |
| aatcacagat  | atcttgcaat  | cacttgccaa  | agtttttaat  | tcccttaaaa  | ttgcttgcat  | 1307280 |
| ttcagtcctt  | cgggtccatg  | acggatgggt  | gcaggtcatt  | acttgatat   | agtctataat  | 1307340 |
| gatataatca  | ggttggtaga  | gttcaatctg  | tttacgcata  | tagctagtat  | taagatcctc  | 1307400 |
| ccatgtgtca  | tcaatagtta  | tattgccggc  | tatggcggtta | tattcttcta  | tatcgacttg  | 1307460 |
| acgtttatat  | cttttttcta  | tcaactgttg  | ttcttccatt  | cctacggaga  | aatagatata  | 1307520 |
| tcttttgttg  | aacttggtcaa | ggctaatagt  | aagagaaatg  | gcaaaagaag  | ttatacctat  | 1307580 |
| agctggacga  | ccaccaacca  | atgtaagctt  | tcctttcggg  | aagttctttt  | cgataaagat  | 1307640 |
| ttctgtgagc  | atagttatat  | ttgttttatt  | tatattcaat  | tatacccggt  | ttgccatgga  | 1307700 |
| aatttcatat  | atcaactata  | atttttcaaa  | ataaaggtaa  | gtgagtctaa  | tatctgttat  | 1307760 |
| ctgtaaaagaa | tactttaaac  | gaatatgaca  | agtcacttaa  | atctgctgaa  | agacggagaa  | 1307820 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| gtatattaac  | atatgaaatt | gcatgaactt | tattttataat | attttaagtt  | ccccacacat | 1307880 |
| ccaatcattc  | tacgccattg | aatccacaag | agtttttagac | aatattccat  | gaactatact | 1307940 |
| ttttcttctg  | ccaagaaatc | gtatctttgt | tgagtcctta  | taatctgatg  | gtgagaaaga | 1308000 |
| tgctaagaca  | gaggcacatc | tatacttaga | aagacttatc  | tttcatagat  | gaaacaaggg | 1308060 |
| atagaatata  | aaaattcatt | aacatttaat | atcaagaaaa  | acaagaatga  | agacatttta | 1308120 |
| tctcatggca  | atgggatttt | gcctgacttt | aaatctcaat  | gctcagcgaa  | gtgaatactt | 1308180 |
| gctggaaaaa  | ggatggaagt | ttacgaaagg | agaggtgagc  | aacgccgaag  | ctcccgcatt | 1308240 |
| taatgatacc  | aagtgggaaa | ctgtaacat  | tccgcacgac  | tgggctat    | tcggaccttt | 1308300 |
| cgacaagaat  | aatgatttgc | agaacgtagc | tgttacacag  | aattttgaaa  | ctcaggcaag | 1308360 |
| cctgaagacc  | ggacgtacgg | gagggctacc | atacgtgggt  | acgggatggt  | atcgtacaac | 1308420 |
| attccattct  | actcccggca | aacagaccac | gctgattttc  | gacggggcaa  | tgagtgaggc | 1308480 |
| acgggtgttc  | gtcaacggaa | aggaggcttg | tttctggcct  | tgcggtata   | attcgtttta | 1308540 |
| ttgcgatgtt  | accggactgg | taaatgaaga | cggtaaaaa   | aacgtacttg  | ctgtaagatt | 1308600 |
| ggagaatcgt  | cctcagtcac | cgcgctggta | tccgggtgca  | ggactttatc  | ggaatgtgca | 1308660 |
| tgtggtaacg  | acggaaaaaa | ttcatgtacc | ggtatggggt  | actcaaatta  | cgactccgtt | 1308720 |
| tgtgaaggat  | gaatatgctt | ctgtctgcct | tcacactacg  | attctgaatg  | cgggaaagac | 1308780 |
| ggagctgact  | gtgacgacgg | acattgtgga | tgccgatgga  | caggtgggtt  | cgaccaagac | 1308840 |
| taataaggga  | tacattaatc | acgatcagcc | ttttacgcag  | aattttattg  | tggagcagcc | 1308900 |
| gaaacttttg  | tcgcccga   | ctccaatact | atataaagcg  | gtgtcgaaaa  | tctatgcggg | 1308960 |
| tgatacgttg  | ctcgatacgt | atactacacg | tttcgggtatt | cgtaccatag  | agtatgtgcc | 1309020 |
| cgacaaagg   | ttttacctga | acgggaaaca | ccgcaaattt  | cagggagtgt  | gcaatcatca | 1309080 |
| cgacctgggg  | cctttgggag | cggctgtcaa | tgtggcgcca  | ctccgtcatc  | agttgacgtt | 1309140 |
| gctcaaggac  | atgggatgtg | atgcatccg  | tacatcgcat  | aatatgcctg  | cgcccaggtt | 1309200 |
| ggttgagctt  | tgcatgaaa  | tgggcttcat | gatgatgctt  | gagccgttcg  | acgaatggga | 1309260 |
| tattgccaag  | tgcgacaacg | ggtatcaccg | cttttttaac  | gagtgggcga  | aaaaggatat | 1309320 |
| ggtgaacatg  | ctccgccagt | accggaacaa | tccgtgtgtc  | gtgatgtgga  | gtatcggcaa | 1309380 |
| cgaggtgcct  | acgcaatgga | gtccggaagg | ttacaagggtg | gcgaagttct  | tgcaggatat | 1309440 |
| ctgccatcgg  | gaggatccga | tgctgccggt | aacctgcggt  | atggatcagg  | tgaagagtgt | 1309500 |
| gctggcaaac  | ggctttgctg | cgatgctgga | tattccggga  | ctgaattatc  | gtgcacacat | 1309560 |
| gtacgacgag  | gcttacgaac | gtttaccgca | aaatctcatc  | cttgggtcgg  | aaacgtcgtc | 1309620 |
| tactgtcagc  | tctcgcgcg  | tatataagtt | cccgttgagg  | cgtaaggcgg  | gtgcgatgta | 1309680 |
| cgatgaccat  | cagtcgtcgt | cgtacgatct | ggagtattgc  | agctggtcga  | acattcctga | 1309740 |
| cattgatatt  | gcccgtgcag | aggatcacga | ctggaccatc  | ggacagtttg  | tatggacagg | 1309800 |
| gttcgattat  | ttaggtgagc | caagcccgtg | tgacacggac  | gcatggccga  | accatagttc | 1309860 |
| gatgttcggt  | atcatcgatc | tggcatctat | tccgaaagat  | cgttattatc  | tgtaccgtag | 1309920 |
| tgtatggaac  | aaggaggctg | aaacactgca | catcctgccg  | cactggaact  | gggaaggacg | 1309980 |
| tgagggagaa  | aagactccgg | tgtttgtcta | tacaaattac  | ccttcagctg  | agttattcat | 1310040 |
| caatggaaa   | agttacggac | ggcagaccaa | acgtaaggat  | gggacgggtg  | aaaaccgcta | 1310100 |
| ccggttgatg  | tggtacgatg | cggtttatca | gccgggagag  | gtaaagggtg  | tagcttacga | 1310160 |
| cgaacagggt  | aatccggctg | ccgaaaagac | tatccgcaca  | gcaggtgaagc | cgcatacat  | 1310220 |
| tgaactggta  | acggatcgta | cttcgctgca | ggcggatggt  | aaggacttgg  | cgtatgttac | 1310280 |
| gctacgtatt  | gtcgacaagg | atggcaactt | gtgtccgaac  | gacggacggc  | tggtaactt  | 1310340 |
| caaagtgaag  | ggagcaggta | agtaccgtgc | ttcggcaaac  | ggtgatccta  | cctgtctcga | 1310400 |
| tttattccac  | aagccgga   | tgcatgcttt | cggaggcatg  | cttacgggtga | tcgttcagtc | 1310460 |
| gggagaaaag  | gttggcgata | tagaacttca | agccacagcc  | aagggcgtga  | aggccggaat | 1310520 |
| tatccgcatt  | ccggtaaaat | aagtctgttt | taagaaattt  | attacccttt  | tttgcccttc | 1310580 |
| acgcccttca  | cactgtctgt | gaaacaatcg | gaactcggta  | gtatctgtga  | aggaggtgaa | 1310640 |
| gggtaaaattg | tatcttatca | tcttgaatca | atctgttgga  | aaaaacaggc  | aaagacaata | 1310700 |

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| cagtaatatc  | ttacgaaggt | ttggtcaggt  | actatTTTTa  | atagtcttga  | gaagaatttt  | 1310820 |
| agaggattgg  | aagatacatt | aggctttatt  | tattacaagt  | aattttacgat | aatattttaga | 1310880 |
| aatgatggac  | aatgtatacg | gaaaccagtg  | tagaagcgat  | aatgctttta  | ctcaaaaagc  | 1310940 |
| aagattgctc  | cagtcaatgt | atcgagtaga  | aatcggagaa  | aaagaagggg  | gtggaccac   | 1311000 |
| aagaacttcc  | aagcgaaaat | atgggaacat  | gattactgga  | ggcgaagttt  | ctgggaaaaa  | 1311060 |
| ctttttgatg  | aaggaaactt | tcgaatatgc  | caaagagaga  | gtcaaaaaaa  | ggaaaaatgg  | 1311120 |
| tgaacaata   | gatgaattcc | gattgttcaa  | taattttactt | tcgagtatgc  | caatggcatt  | 1311180 |
| caatttattt  | catcccctaa | tgttactctt  | aaaacaaaat  | cgggataagg  | taacgcttgc  | 1311240 |
| cataaaatcc  | gtttttaaaa | atattccaat  | attcaatgta  | acggagatag  | gtctggagtt  | 1311300 |
| cataccgaca  | ccgaccgaaa | aatatacgaa  | agacaaatcg  | gctatggatg  | cttatattaa  | 1311360 |
| gtttctggat  | gataaggggg | ataagtatat  | cattgcaatc  | gaaacaaaat  | atacggatgt  | 1311420 |
| gcttggagta  | aacgaagcac | aaaaatgtga  | ggagcagaaa  | caaagtctca  | ttgatacagg  | 1311480 |
| tttattcgac  | gatataattt | aagagctatt  | aatagatcat  | aaaataaagc  | ttacacaaat  | 1311540 |
| ttatagaaat  | cttttactta | cagaacggta  | cagaatcggt  | gaaggactga  | aagactcgta  | 1311600 |
| ttctgtagtg  | ctttctccta | aggagcatcc  | gtcaacggaa  | gaagaaatcc  | ggtcggttac  | 1311660 |
| aacatatttg  | aaaccggaat | atgcttataa  | gctgagtgca  | atcacactgg  | aaaattttgt  | 1311720 |
| agatacaatg  | attctctatt | taccggaata  | ttacgtacaa  | gtctataaga  | aattcaaaaa  | 1311780 |
| acgatacttg  | gagtttggga | agtgtatttg  | agtatattac  | atattacggt  | tttataaatt  | 1311840 |
| atcacgctat  | agtaaattgt | catatattaa  | ttgaaagtgt  | tgtatgttct  | atagtacaat  | 1311900 |
| agttcggtta  | aaattagccc | agcctaagcg  | gctctggcag  | taaataaaaat | gagttctttg  | 1311960 |
| aaaagtttgt  | caattaattg | cgtgtttggg  | tcaatcccag  | acacgcaaat  | aaatcgttca  | 1312020 |
| agcatgtaag  | cattgtgtat | gactgacttg  | catgatgata  | tggaaatattt | tatttccatc  | 1312080 |
| ttcttacagg  | cagccttggc | gaggtttatc  | gctgcaagtg  | atgcattaaa  | gtggaatgcc  | 1312140 |
| agtttctctga | agtctgtaga | ctgacagttt  | gctattccgg  | catgttgctt  | ggcatcccga  | 1312200 |
| aagcagaatt  | cgagttggaa | acgtgttctg  | taaaagtcca  | ggacatcctg  | tgcgttctgt  | 1312260 |
| atttcgtttg  | tagagaaata | cagctgccat  | ttgtccgttc  | ttccatccat  | ggggtaccat  | 1312320 |
| acagccaggc  | tcacaaagcg | tttgagtgtc  | ttggagtatg  | ctttcagttc  | gtaaagttta  | 1312380 |
| cccttggttca | ctttgtactc | ggtacatctt  | gtgatgtcca  | gatttttcaa  | gtcaattttc  | 1312440 |
| tcgtcatgta  | attttggacg | tccgcgtttt  | cctgtcctat  | tttctaaggt  | gggataaaac  | 1312500 |
| aatacggcat  | cattcctgaa | acggcttatt  | acgtggaaac  | cgttatcgta  | caatggtttg  | 1312560 |
| atgaaagttg  | cctttgaaaa | gaacgcacat  | cacacgactg  | tgccagaaat  | acgtttcagc  | 1312620 |
| tgttcctgta  | tgctgataag | gtaagagctg  | taccagtcaa  | caagattctt  | ctcacagctt  | 1312680 |
| tccagcgttg  | cgttgtcagg | tgtctgtaca  | gagcccaaag  | tcatacatc   | atggttgtca  | 1312740 |
| acgtctataa  | ctccaatacc | ggttattttc  | agtccacgtt  | tgtattcacc  | ggcacaaccg  | 1312800 |
| gaccagaaat  | agccaatcca | cggcgttttg  | ctgcctgatt  | ttggaatgaa  | agacggatca  | 1312860 |
| acggctatcg  | ccttgcgacc | acctttaagg  | tgttccctga  | tgatggcttc  | attgaaggaa  | 1312920 |
| aaccagtcaa  | agccgtcggt | ctcaaaattg  | ttgcggtatg  | tctgttccga  | gaaacatcca  | 1312980 |
| taccgtccca  | tttgtaggaa | attgatgcgg  | tcaggatag   | ccatgaataa  | tttcattgca  | 1313040 |
| tccatgaata  | ctttctgaaa | agatttgctt  | atattttacag | ctgattcgag  | agcgtttctg  | 1313100 |
| cactcggatt  | ggtattgcat | aaggagtgtat | tcttttagtca | taattaaaag  | tggatgaagta | 1313160 |
| cttctaattt  | actaaaaatc | agtgaattat  | gaaatacttt  | ttctgttgat  | tttcagctgt  | 1313220 |
| ttagcatatc  | tttttcatcc | cttttcttac  | tccttgacga  | tttattcttg  | acagtatttc  | 1313280 |
| aatgatctct  | tgaatataat | tttgaaccgg  | attatgccga  | ttctatgttt  | aatttttaatt | 1313340 |
| tatcggtaaa  | aatttaccga | agtattgata  | gtataaagct  | atcataaata  | ttatattgga  | 1313400 |
| aaatcagtaa  | ttccatgtga | atagattaaa  | aagctgtttg  | ggtgaaacag  | caaagatata  | 1313460 |
| tggctttag   | aacaattatg | tagatccgat  | acttgtaaag  | aaaaatcagc  | agaagcaaga  | 1313520 |
| agccgcagat  | ctgctgcccc | aaacgtcagc  | atgttttgag  | taatttgtct  | cgacgttttt  | 1313580 |

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|            |             |            |            |             |             |         |
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| gctgtagagg | catccggagg  | aaaatttcag | ataaggagcc | gatatgattt  | gtgtaaaaaat | 1313700 |
| attttttgct | aaaagtgggt  | ggagatagta | taagaaaaga | gggaaatatc  | ctgaaccttg  | 1313760 |
| caggatattt | tccctctttc  | ttttatggaa | tttctaacaa | ttaattacag  | aatagatttt  | 1313820 |
| actgtttcca | gcataccttt  | tgtctgaatg | ctgtccagat | cggctttttac | agcagcagtc  | 1313880 |
| aggcccggga | tgttgttcaa  | gttctcgccc | cagatagatt | ctgctcccag  | tacgccttcg  | 1313940 |
| gtaactttct | gagtatcgcc  | tgtagcccaa | agctgcttca | gcagatccat  | gatgtcctgt  | 1314000 |
| gcgtcgtttg | gtacgatttc  | tgtccgtctt | tcacgtacac | cgccttttgta | gtaagtata   | 1314060 |
| atggctgcaa | gaccagctac  | cagtcctttt | ggaagttctc | ccttgcggtt  | cagatatact  | 1314120 |
| ttcaggcccc | gcaggctcac  | agtctggaat | ttcgggaatg | agttcagcat  | gatggaagta  | 1314180 |
| acctgatggg | cgacaaacgg  | attgttgaaa | cgttccaaaa | cgtcgtgagc  | aaattttttcg | 1314240 |
| agttctgcct | tcggaagggt  | cagggtttcc | atcagctcgt | cgaacattac  | tttgtggatg  | 1314300 |
| tacttgccga | taaccggatg  | ctggcaggca | tcacggacaa | tatttacgcc  | cgacaggtaa  | 1314360 |
| gctaccgggt | ataatacggg  | gtgaggaccg | ttcagcaagg | taacttttct  | ttcatggtaa  | 1314420 |
| ggagcttcag | acgggtacgaa | caatacgttc | agtccggctt | tgtcggcagg  | gaattccttg  | 1314480 |
| gcaacttcct | gcggagcttc  | gataaccac  | aagtggaaaa | tttcgccctg  | tacaaccagg  | 1314540 |
| ttatcatcgt | actgtaattt  | ttctttaatc | tcagcaattt | ccttgcgcg   | gaatcccggg  | 1314600 |
| acgatacggg | ctaccagtgt  | agcgtatacg | ccgcaggctt | tttcgaacca  | gttcttgaaa  | 1314660 |
| tcatacccca | agttccacaa  | ttcgatgtac | tggtagatgg | tttctttcag  | cttatgtccg  | 1314720 |
| ttcaggaaaa | tcaattcgca  | cggaagata  | atcaaactt  | ttgacatatc  | gccgttaaag  | 1314780 |
| gttttgtaac | ggtgatacaa  | taactgagtc | agttttccgg | gataagaaga  | agcaggagca  | 1314840 |
| tcggctcagc | tgcaagaagg  | atcgaaagcg | ataccggctt | cggttgtatt  | tgagattacg  | 1314900 |
| aaacgcattt | caggctgttc  | ggccagtttc | atgaattcgt | cgtttttgtg  | atagggattc  | 1314960 |
| agtgcacggc | tgataacgtc  | gataagtgtc | agactgttta | cggtttcgcc  | tttatcgagt  | 1315020 |
| ccttgcaagg | taacgtggta  | caggcagctc | tgtgcgttca | gcatgtctac  | catacctctg  | 1315080 |
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| ataatccaat | ctacgaatgc  | acgtaaaaaa | ttaccttcac | caaactggat  | gattctctct  | 1315200 |
| ggacgaactg | ttttgtttgc  | agtttctttg | tttaattgct | tcatacttgt  | atatttttaag | 1315260 |
| ttccgtattt | ttacaattta  | atcttctctt | tattagaata | ggtataaaga  | gaaaaatagt  | 1315320 |
| attcgattaa | tggtaaaata  | tatttataaa | taacgttttt | cttttctttc  | aaagagatta  | 1315380 |
| attttattaa | ataatcgctg  | caaataatag | aaatatattg | ttattccaaa  | taaaatttct  | 1315440 |
| actttcgtgt | tcgataacgg  | caaataaaac | gaaattgatg | ttgaacaaca  | caaattctac  | 1315500 |
| taccgttatt | cgttttttat  | gaaaataacc | aacaaaatac | ataaactcaa  | aaataaagct  | 1315560 |
| ttatgaaaaa | atttatggat  | gaaaacttcc | tgcttaaaac | ggaaactgcg  | cagggaattgt | 1315620 |
| atcacaatca | tgacgccaag  | atgcctatta | tcgactatca | ttgtcacttg  | attccgaaaa  | 1315680 |
| tggtggccga | cgactatcag  | ttcaagtcta | ttacagaaat | ctggctgggc  | ggtgaccatt  | 1315740 |
| acaaatggcg | tgcaatgcgt  | agcaacgggg | tagacgaacg | ttattgtacg  | ggtaaggaca  | 1315800 |
| ctaccgattg | ggaaaaattc  | gaaaaatggg | ccgaaacagt | cccttatata  | ttccgcaatc  | 1315860 |
| cgttgatata | ttggactcat  | ctggaactga | aaacttgctt | tggaattgaa  | aaaatcttga  | 1315920 |
| atccgtctac | tgcccgcgaa  | atcttcgatg | aatgtaatgc | caagctggca  | actcctgaat  | 1315980 |
| actcggcacg | taacctgatg  | cgccgatacc | atgttgaaac | ggtatgtaca  | accgatgata  | 1316040 |
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| tgcttacatg | gcgtcctgac  | aaggctatgg | ctgtagaagt | tccggcagac  | ttccgtgcgt  | 1316160 |
| acatggaaaa | attatcgga   | gtaagcgggt | tgactatttc | ttcattcgac  | gatatggtag  | 1316220 |
| ctgcgttgcg | caaacgtcat  | gaattcttcg | cagaacaggg | ctgtaagttg  | tccgatcatg  | 1316280 |
| gtatcgaaga | gttctatgct  | gaggattata | cagatgctga | aatcagagcc  | atctttaata  | 1316340 |
| aagtgtatgg | tggtacggaa  | ctgaccaagg | aggaaatcct | gaaattcaag  | tcggctatgc  | 1316400 |
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| aaggcaagct  | gacaaagact  | attttgtata  | acttgaatcc  | gtgtgccaac  | gaggttatcg  | 1316640 |
| ctaccatgct  | gggtaatttc  | caggatggct  | ctatccctgg  | aaaaattcag  | ttcggttcag  | 1316700 |
| gatggtggtt  | cctcgatcag  | aaggatggca  | tggaaaaaca  | gatgaacgcc  | ttgtcattac  | 1316760 |
| tgggattgct  | gagccgcttc  | gtcggtatgc  | tgactgattc  | tcgttcgttc  | ttgtcgtacc  | 1316820 |
| cgcgtcatga  | atatttccgt  | cgtacgttgt  | gtaacctgtt  | gggtaatgat  | gtagaaaacg  | 1316880 |
| gtgaaattcc  | ggaatgcgaa  | atgccacgtg  | tacagcagat  | gggtggaagat | atctgctata  | 1316940 |
| ataatgcgaa  | gaaattcttt  | gaattttaat  | tgtgaagaacc | gtgttttcta  | ggaggggctt  | 1317000 |
| gcctgttaat  | attggcaggc  | tcctttcttt  | tttgtatttt  | tgtgcttcct  | aaaaataaag  | 1317060 |
| aatacaaaata | atatatggag  | gtacgatttc  | taagcctggg  | tagcggaagc  | agcggcaact  | 1317120 |
| gttattacct  | ggcaacaaag  | acatgtggaa  | tattgattga  | tgcgggtatc  | ggcatacgaa  | 1317180 |
| gtataaagaa  | ggatttcaag  | gattatgcgt  | taaacctgga  | tacgatacgt  | gcggtatttg  | 1317240 |
| ttactcacga  | ccatgccgac  | catatcaagg  | ctgttgggca  | tttggcaaag  | aaatataata  | 1317300 |
| ttcctatcta  | ttctacacct  | gaggtgcatg  | ccggtatcaa  | ccggagttaa  | tgtatgacag  | 1317360 |
| aaaagctaga  | cgcagcacat  | acctgtttta  | ttcataaagg  | tgaaccata   | ggatatgggg  | 1317420 |
| atttcaacat  | cacttgcttc  | gaggtgcctc  | atgatggtac  | ggacaatgta  | gggtatagca  | 1317480 |
| ttcagggtgga | agacaagact  | ttttcttttc  | tgacagatat  | tggatcatatc | accgaaacgg  | 1317540 |
| cagcgactta  | tatcgaccgc  | tcggattatt  | tgattctgga  | agctaattac  | gatgaagcca  | 1317600 |
| tgctgcggat  | gggaccttat  | cctcagtacc  | tgaaggagcg  | tattgcaggg  | cctaacgggc  | 1317660 |
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| tggggctgta  | tcataacagg  | aagatgtttc  | aaccccgata  | atatacagaa  | tcctctctgt  | 1317960 |
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| cgtgatacta  | aataacagac  | agaacaaact  | caggtgagtt  | cccagcaaag  | gaatatgggt  | 1318620 |
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| acgcaattca  | atagcgttag  | gcacaaagaa  | gaacagtgcc  | atgaagaccg  | gtgtctgaat  | 1318740 |
| aagcatcgga  | agacatcctc  | ccatcgggct  | tacaccgtac  | tggctatata  | gcgccatcgt  | 1318800 |
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| taccagaatc  | ttcacgatga  | gggtcatcag  | caagataacg  | ataccatac   | tcaatcccca  | 1318980 |
| gctcgacaac  | cagtcgaaga  | ggttaatggt  | gaaccagcgg  | ttgatcagac  | gaataatcgg  | 1319040 |
| ccatcccaga  | taaaccaaact | cttcaagtgc  | ctgatctttg  | tccttgaacg  | acaagtcatt  | 1319100 |
| ggtagctaaa  | agagtcttga  | aatgatttgg  | tccgaaataa  | aactggaaat  | gactgggctg  | 1319160 |
| tgctcctgtc  | gggtcgaaag  | ccgttttcat  | ctcagccgaa  | taattcttca  | tgtaacgcgt  | 1319220 |
| tcctttctgt  | tccatcttcg  | attcgagtgt  | ggcattttca  | aaattctttt  | ctgccatgaa  | 1319280 |
| gacacacgaa  | aagtactggt  | tcttgaaagc  | taccagctcc  | agaacttctg  | gaattgtttc  | 1319340 |

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| tgaagtatac  | cgctgttcga | acgtgtagcc | tttttccatc | tgacgtgcac  | gctgtttcca  | 1319460 |
| gtcgacactc  | attgttttta | cggaaggaga | gaagaaattc | tgcaatccgt  | ttgcctgaac  | 1319520 |
| agtaaaatct  | accacatacg | aattaggcag | caacttatag | ataaagtcca  | aatgaccacc  | 1319580 |
| attggcagcg  | ttcagacgca | tggtaacagt | actgtcggtc | acatctgttg  | cctgaaagta  | 1319640 |
| catctcgctg  | ctcagtatgt | tttcattctt | accgtcgaag | cccaaactca  | aggaagcatc  | 1319700 |
| ctttccatcg  | aagagaacca | ggggctgggt | ctgctgatcg | ttgtattctt  | tcagcatagc  | 1319760 |
| cttgatact   | cggccgcctt | tgttcgaaaa | tgtaagttga | accaagtcgt  | tctctaacgt  | 1319820 |
| agtaaaattgt | tccgttccct | gcgaagcgct | aaagaagaga | gaggtagaat  | cgggcaaaac  | 1319880 |
| aggctgtgca  | gctacaactt | cctgagcctt | acgcatctgc | tcctgtttct  | gagcaaccgc  | 1319940 |
| ctgaattgag  | tcctgataat | gctgtgcacg | tgatcatttc | tcttggctgg  | ggcggttgta  | 1320000 |
| gattccgaaa  | cctacaataa | ccgctccaat | caaggcaaat | cccactaacg  | tgtttttgct  | 1320060 |
| catttctttt  | tatttataaa | ttaatatcta | ttatttatca | atagccgctt  | tgacaaatga  | 1320120 |
| taagaaaagg  | ggatgggggt | tcaataccgt | actgctgtat | tccggatgga  | actgcgtacc  | 1320180 |
| gatataccat  | ttcaaggtag | gtatttctac | gatttcaacc | aggtctgatt  | ccgggttgat  | 1320240 |
| acctacacac  | ttcatgccag | ccttttcgaa | ttctgccttg | taatcgttgt  | tgaattcata  | 1320300 |
| acgatgacga  | tggcgttcct | gaatatgttc | tgtcttataa | gcctgatata  | ctttagagtt  | 1320360 |
| agggtcgagc  | acgcattcgt | aagcgcccag | acgcatcgta | ccacccatgt  | tggtgataga  | 1320420 |
| cttctgctct  | tccataatat | caattacatt | gtgcggagtc | ttttcatcca  | tttcgcggct  | 1320480 |
| gttggcatcg  | gcataaccta | atacgttacg | ggcaaactcg | atagccatac  | attgcatacc  | 1320540 |
| caagcagata  | ccgaatgtag | gaacatcggt | cgtacggcaa | tatttcagcg  | caacgaactt  | 1320600 |
| tccttcaata  | ccacgctgac | cgaatcccgg | acaataaatg | acgccgtcca  | tatccttcag  | 1320660 |
| catttcttct  | acattttcat | ccgtcaattt | ttcactattg | atgaaatgaa  | tatctgcctt  | 1320720 |
| acggctcgtt  | tatgttgcag | cctgcgacaa | tgcttccaga | atagacttgt  | aggcatcctg  | 1320780 |
| caaatcatat  | tttccaacca | gaccgattgt | aaccttttct | gttgcattat  | gacgacgggt  | 1320840 |
| caggaattct  | ttccatgggc | ccagttcagg | agtttcgcct | accggaagtc  | ccatcttttc  | 1320900 |
| gaggatagta  | acatccagtt | tctgtcctcg | catgcgaaga | ggtacttcat  | agattgtcgg  | 1320960 |
| catgtccata  | gactgtacta | ccgcgctttc | gtctacatta | cagaataagg  | caactttttt  | 1321020 |
| cttcaggtta  | gtattgaggt | tgtgtcctcg | acgcaaaacc | agaatatccg  | gctggattcc  | 1321080 |
| tacagattgt  | aattccttga | cagaatgctg | tgttggcttc | gttttcaatt  | caccggcagc  | 1321140 |
| agccagataa  | ggaacataag | taagatgtac | acacagcgca | tttctaccca  | gttcccat    | 1321200 |
| caactgacgg  | atactttcca | aataaggcaa | cgattcgata | tctcctacgg  | ttcctccaat  | 1321260 |
| ttcagtaatc  | acaaaatcaa | acttatattt | atttcccagc | aatttgacat  | tgcgtttgat  | 1321320 |
| ttcatcagtg  | atgtgagggg | tgatttggat | tgtttttccc | aaatagtcgc  | cacgacgttc  | 1321380 |
| cttatcgatg  | acacttttat | aaatacgacc | agtcgtgatg | ttgtttgctt  | tggttgtctg  | 1321440 |
| aataccgagg  | aagcgttcat | aatgtcctaa | gtccagatcg | gcttcatgcc  | cgtcgactgt  | 1321500 |
| cacgtaaacac | tctccgtgtt | cataaggatt | caatgtaccc | gggtcgatgt  | tgatatacgg  | 1321560 |
| gtcgaacttc  | tgtatagtta | cgctgtagcc | tctggcttgc | agcaattttac | cgatagatga  | 1321620 |
| tgaaataata  | cctttaccta | atgaagaggc | tacaccacct | gttacgaaaa  | tgtactttgt  | 1321680 |
| ttctgccaca  | atatgattat | tttaaaatga | tttattatct | aacactacta  | ttcgaagttg  | 1321740 |
| caaaattata  | aaaaaaagcc | aaatctccca | caaggaaagc | gacaaaacat  | tgcaaagaac  | 1321800 |
| agattagttg  | gcagcaactt | gaacaaaaac | caagatacaa | tttgtttagaa | tatcgtttta  | 1321860 |
| tatgactaaa  | tttaattgta | tttttgcagg | aaaattctcg | aaataagaat  | gaaaacgcta  | 1321920 |
| ggtatgttta  | taacattatc | cttcctggta | agtgaacttg | gtctgggaaa  | ggattttacaa | 1321980 |
| gacttaacat  | tgtcgaatga | cactactttc | caaggatttc | cttcgacaag  | aaaaactatt  | 1322040 |
| caggccggtg  | ttgccaccga | cacagtacgc | agcaagaaag | caactgaaat  | agtcaagtca  | 1322100 |
| aaaatggctc  | agcaagctgc | tttacggaca | aattcagccg | tgcaagcctt  | ccagtccttt  | 1322160 |
| gttgatgatt  | ttcgacaaga | gtatgcacaa | atgctagaac | gctgggatga  | tatttatcta  | 1322220 |

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| acttattatt | cagaacctat  | agaacaggcc | ttttccattg  | acgactggaa  | acctgtgatt  | 1322340 |
| ccttttatta | aagaagacgc  | acgaaaggat | tctgtctttc  | aggtacccga  | ccttacacgt  | 1322400 |
| tcagtagaaa | tagacaagga  | agttaataag | cagctactgg  | cattttatct  | gcaataccct  | 1322460 |
| aatttggttc | gtaaaaatga  | aagtgaacta | aaaggatatag | aacctttatc  | tgatcaatta  | 1322520 |
| aagataaaga | aacccaaaaa  | agaaaaagtt | ttctatctgg  | tgaatgctgc  | ctctcaggga  | 1322580 |
| caagtaagag | aaaaagatct  | gttggttatg | aaaccgaact  | tctggtcttt  | cagtggaaac  | 1322640 |
| ggatatgctc | agttctcaca  | gaattacatt | tccgacaact  | ggataaaagg  | aggagaaagt  | 1322700 |
| acggtatctt | tgctttcagg  | agccgtgctt | caacttaact  | acgatgacaa  | gcagaagata  | 1322760 |
| cagtttgaaa | acaaactgga  | atggaaactt | ggctttatct  | cagctccttc  | tgatacagtg  | 1322820 |
| caccagtata | agacgagtga  | agacttgctt | cgtttaagct  | ccaaatttgg  | atacaaagct  | 1322880 |
| ataactaact | ggtactatac  | ggtttcggcg | gaatttaaaa  | cgcagttctt  | ctccaactat  | 1322940 |
| gaaacgaatt | ccgacaatth  | ggtttcttct | ttcttctcac  | cggccgagtt  | gaatatcggt  | 1323000 |
| atcggtatgg | actacaagta  | caccaaagat | gcagtttgta  | acttgctctgt | tttgattaat  | 1323060 |
| ccgttcaact | acacgcgata  | cagtgtagca | agcgacaggg  | ttgatcctac  | caaattcaac  | 1323120 |
| attgatgcag | gacagaaagt  | aaagaatcag | ctgggttccc  | gtgtggaagc  | aaccttgaaa  | 1323180 |
| tggattgttc | tcagcggctt  | gacttgggaa | tcacgtttct  | cttatacgac  | aaactacgaa  | 1323240 |
| caggatttgt | ctgaatggga  | aaatacgctt | acctttgctt  | tcaacaaata  | cttttcgacc  | 1323300 |
| aaactgtttg | ttcatacccg  | atttgatgac | tctgtaacga  | aagccaatcc  | ggatgacagc  | 1323360 |
| tattttccaa | ttcaggaact  | gcttagcttt | ggtgtaagtt  | atacatggta  | aataactttt  | 1323420 |
| taacttaaac | aatagaaatg  | ccatcatttg | ttcagatact  | cgactttata  | ggaacatttg  | 1323480 |
| cttttgccat | cagtggaaat  | cgtctggcat | cagccaagcg  | attcgactgg  | ttcggcgcat  | 1323540 |
| atattgtagg | actggcaaca  | gcaatcggag | gaggaacctt  | gcgtgacgct  | atgctgaacg  | 1323600 |
| ttaccctgt  | atggatgact  | gatccgattt | atctgatttg  | tactgccttt  | gcaatgttcg  | 1323660 |
| ttgtcattat | tttcggaaaa  | catcttatcc | acctgaacaa  | tactttcttc  | ttgttcgaca  | 1323720 |
| gcacgcgact | ggcattgttt  | acagtcgtgg | gctttggaaa  | aagtatttct  | ttgggatatc  | 1323780 |
| ccttctgggt | agcaattatc  | atgggtagta | ttaccggagc  | tgccggaggt  | gtgatacgtg  | 1323840 |
| atgttttcat | caacgagatt  | ccgctgattt | tccgaaagga  | gattttacgca | atggcctgctg | 1323900 |
| tgataggagg | gctgggtttac | tggatatgcc | tgaagccgg   | gatggaaacc  | tatatctctc  | 1323960 |
| agatattagg | cggtgttacg  | gtcttcacg  | tccgtatact  | tgccgtaaaag | taccagatta  | 1324020 |
| ccttgccgat | attaaagggc  | gatgaaacgg | aaataaaaaga | ataaaaacaa  | gagaacaaat  | 1324080 |
| ctctgaaaaa | cagaaaatcc  | aaccggagaa | acatcggaat  | ctcccggttg  | gattttctat  | 1324140 |
| ttttcaggat | attggagttt  | tacttcaatg | taccagcttc  | tgctgtctga  | atcatttgct  | 1324200 |
| ggctagcata | catataact   | tccacacgac | ggttttcctt  | acgtccggct  | tctgtactgt  | 1324260 |
| tgtctgccac | tggattgttt  | tctccatac  | cttctacact  | cttgatttgt  | gaagttgcta  | 1324320 |
| caccgcatcc | cagcagatag  | cttgaaacgc | tctgtgcacg  | ttcctgagat  | aactccaggt  | 1324380 |
| ttttctgtac | actttcggca  | gctgtactgt | ttttccatcc  | cgtattgtcg  | gtatatccgt  | 1324440 |
| agatagcaac | atccatgtcc  | ggattctggg | tcaatacgtt  | gttcgcaaac  | ttgctgagtg  | 1324500 |
| aagccttggc | agaagtgtct  | agtgaagagc | tgcttgattt  | aaacaaaata  | cctgaatcga  | 1324560 |
| aagtaacctt | cacggcctgc  | aagccattat | tgctcggttac | ctgctcaact  | tcagcacctt  | 1324620 |
| gaatctgggc | agcctgttcg  | gcagccttat | ccatcttctt  | tccaatcagg  | acaccggctc  | 1324680 |
| ctgtaccac  | agcagcacct  | acagcagcac | cgatagcagc  | tcccttacca  | tgtccggcaa  | 1324740 |
| tgccaccgat | aatagctcct  | agagcagcac | cactaccacc  | acctatcata  | ccgccttttg  | 1324800 |
| cagtattgtt | caaagaacca  | caactgctaa | gtaccaagca  | tgagctcagt  | aaaatagcca  | 1324860 |
| taaaactcgt | ttttttcata  | ctttcatctt | tattcaatac  | ttcggtaaat  | ttttaccgat  | 1324920 |
| aaattaaaa  | taaacataga  | atcggcataa | tccggttcaa  | aattatatct  | aagagatcat  | 1324980 |
| tgaaatactg | tcaagaataa  | atcgtcaagg | agtaagaaaa  | gggatgaaaa  | agatatgcta  | 1325040 |
| aacagctgaa | aatcaacaga  | aaaagtattt | cataattcac  | tgatttttag  | taaattagaa  | 1325100 |



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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gtacttcacc  | actttttaatt | atgactaaag | aatcactcct | tatgcaatac  | caatccgagt  | 1325160 |
| gcagaaacgc  | tctcgaatca  | gctgtaaata | taagcaaadc | ttttcagaaa  | gtattcatgg  | 1325220 |
| atgcaatgaa  | attattcatg  | gctatacctg | accgcatcaa | tttcctacaa  | atgggacggg  | 1325280 |
| atggatgttt  | ctcggaaacg  | acataccgca | acaattttga | gaacgacggc  | tttgactggg  | 1325340 |
| tttccttcaa  | tgaagccatc  | atcaggggaa | accttaaagg | tggtcgcaag  | gcgatagccg  | 1325400 |
| ttgatccgct  | tttcattcca  | aaatcaggca | gcaaaacgcc | gtggattggc  | tatttctggg  | 1325460 |
| ccggttgtgc  | cgggtgaatac | aaacgtggac | tggaataaac | cgggtattgga | gttatagacg  | 1325520 |
| ttgacaacca  | tgaatgtatg  | actttgggct | ctgtacagac | acctgacaac  | gcaacgctgg  | 1325580 |
| aaagctgtga  | gaagaatcct  | gttgactggg | acagctctta | ccttatcagc  | atacagggaa  | 1325640 |
| agctgaaacg  | tatttctggc  | acagtcgtgt | gtgatgcgtt | cttttcaaag  | gcaactttca  | 1325700 |
| tcaaacattt  | gtacgataac  | ggtttccacg | taataagccg | tttcagggaat | gatgccgtat  | 1325760 |
| tgttttatcc  | caccttagaa  | aataggacag | gaaaacgcgg | acgtccaaaa  | ttacatgacg  | 1325820 |
| agaaaattga  | ctttgaaaat  | ctggacatca | caagatgtac | cgagtacaaa  | gtgaacaagg  | 1325880 |
| gtaaaacttta | cggactgaaa  | gcatactcca | aagcactcaa | acgctttgtg  | agcctggctg  | 1325940 |
| tatggtaccc  | catggatgga  | agaacggaca | aatggcagct | gtatttctct  | acaaacgaaa  | 1326000 |
| tacagaacgc  | acaggatgtc  | ctggactttt | acagaacacg | tttccaactc  | gaattctgct  | 1326060 |
| ttcgggatgc  | caagcaacat  | gccggaatag | caaactgtca | gtctacagac  | ttcagggaaac | 1326120 |
| tggcattcca  | ctttaatgca  | tcacttgacg | cgataaacct | cgccaaggct  | gcctgtaaga  | 1326180 |
| agatgggaat  | aaaatattcc  | atatcatcat | gcaagtcagt | catacacaat  | gcttacatgc  | 1326240 |
| ttgaacgatt  | tatttgctgt  | tctgggattg | aaccaaacac | gcaattaatt  | gacaaacttt  | 1326300 |
| tcaaaagaact | cattttatct  | actgccagag | ccgcttaggc | tgggctaatt  | tttaacgaac  | 1326360 |
| tattgtcttt  | attggtaccc  | tcagaaaaca | atattctgag | ggttttgttt  | atatgccttt  | 1326420 |
| tgattttccg  | gtcacagccg  | tgaaagaact | tctattttta | ataggcaaaa  | ataggatagt  | 1326480 |
| tcttcatggg  | gtcgtttaca  | cgagcacgta | cggaagctat | gactttttca  | tcgtctacat  | 1326540 |
| tcgacaagac  | agtttcaatc  | atttctgcga | tttcgtacat | caagtcttct  | ttcgcaccac  | 1326600 |
| gagtcgtgat  | agccggaggt  | cccaaacgga | taccggaagt | ctggaaagca  | gaacgagtat  | 1326660 |
| caaattggaac | catattcttg  | tttacagtga | tgctggctga | aaccaatgcc  | ttttctgcca  | 1326720 |
| ccttaccagt  | aagatcagga  | tatttgctac | gcaagtcaac | cagcatagag  | tgggtgtctg  | 1326780 |
| taccgccgga  | aacgatcgta  | aagccacgat | ccatcaaagc | ctgtgcaagt  | acagccgcat  | 1326840 |
| ttttcttaac  | ctgcttctga  | tattccttgt | attccgggtg | cagacattcg  | ccgaaagcta  | 1326900 |
| cagccttggc  | agcgataacg  | tgttccagcg | gtcctccctg | gatacccggg  | aatacggcag  | 1326960 |
| agtcgagtaa  | ctgagacatc  | atcttgattt | ctcccttagg | agttttcttg  | ccccatggat  | 1327020 |
| tagggaagtc  | cttgcccatc  | aagattacac | caccacgagg | gccacgcaaa  | gtcttgtgag  | 1327080 |
| tagtagaagt  | aacgatatga  | gcgtatttca | gcggattatc | cagcaatccg  | gcagcaatca  | 1327140 |
| agcctgcagg  | atgagccata  | tcgaccataa | agatagcacc | taccttgtca  | gcaatttcac  | 1327200 |
| gcatacgctt  | gtaatcccat  | tcacgagaat | aggcagagcc | accaccgatg  | atcatcttcg  | 1327260 |
| gatgctcacg  | caatgcaatt  | tcttccatct | gatcgtaatc | tacacgtccg  | gtttccttgt  | 1327320 |
| tcagggtata  | ttcgcagggg  | gtatagatga | taccggaagt | attgacagcc  | gaaccatgag  | 1327380 |
| aaagggtgcc  | tccgtgtgcc  | agattcagtc | ccataaactt | atcaccggga  | ttcaatactg  | 1327440 |
| ccagaaatac  | agcagcattt  | gcctgtgctc | cagaatgagg | ctgtacgttt  | gcccattccg  | 1327500 |
| ctccgaaaat  | ctgtttcaga  | cggctgatgg | caatctgttc | gctctgggtc  | acaacctcgc  | 1327560 |
| agcccccata  | gtaacgtctt  | cccggataac | cttctgcata | tttattggta  | aggcatgagc  | 1327620 |
| ccatagcctg  | cattacctgg  | tcacttacaa | agttctcgga | agcaatcagt  | tcgatacctt  | 1327680 |
| tcagtggcg   | ttgatgttcc  | ttttcaatga | tgtcaaaaat | caaatacatc  | cttttcatgt  | 1327740 |
| tattgtattt  | taaaaggtaa  | tattaaattc | atcaaaaaat | cactcccaac  | gagaaactca  | 1327800 |
| atacgttctt  | ccgccgggtg  | agggatatgt | cctgatcaca | ataaggagat  | tcggtagcat  | 1327860 |
| tcttatcgaa  | cgtaaccgat  | tttaccatgt | tatgcagagc | tgcttcgtaa  | cgaaaatcga  | 1327920 |
| agaagatatt  | cgaaacattg  | acagccagtc | ccaccacggc | actgtaacaa  | aacggatgaa  | 1327980 |

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| gtttttctgt  | tatgtcttgc  | tgatagaagc  | ctgaatactc | gttcttgcaa  | tgctttctcc  | 1328040 |
| aattatacga  | caccttcgga  | ccgaggaaga  | atgccattcc | atatggacgt  | gcatctacaa  | 1328100 |
| atttataatcc | ataaagtaca  | ggtaagtcaa  | tggagtgtat | ggaagtcttt  | accagggcgt  | 1328160 |
| tatactgcaa  | aatgtcgcgg  | ttgtcggccg  | tgctggcaac | ggaaatactt  | cccttcgata  | 1328220 |
| cattgtaaga  | tatttctgtc  | tgaagataat  | gatgcttttt | caggttaaag  | cggcagaaaa  | 1328280 |
| atgctccgaa  | ataacctacc  | ttgtagttgt  | tttgatatc  | gtctagttcc  | tgctctccta  | 1328340 |
| ccgaaagggtg | gtctatgaag  | aacatagacg  | aattaaagcc | tgccctttacc | cccacgttga  | 1328400 |
| ccagcgggtc  | gcgcgaggca  | tcccgtctgc  | tccctctcga | ctggccttga  | agattcgttg  | 1328460 |
| ccagcaggag  | gcttgccatg  | aggataaaaag | cagttctttt | catatttatg  | ctctattttt  | 1328520 |
| tcttttctac  | cgaccagccg  | aactttccga  | ttttgctacc | catttcgtaa  | tagcctccat  | 1328580 |
| gcgcataaac  | cagtaggttc  | gattttgcca  | ggcgaactt  | gcccgtatcg  | gaatccagat  | 1328640 |
| atttctcatc  | ggcctttacg  | tttaccacat  | cggcgataaa | catatcgtgt  | gagcccagcg  | 1328700 |
| atacaatctc  | ctttaccctg  | cattcgatgc  | acaggggaga | ttcctcgatg  | acaggagcct  | 1328760 |
| gcacgacgga  | agccggtccc  | ggagtaagat  | gcatctcctc | gaacttggtg  | aagttcttgc  | 1328820 |
| ccgaccgtac  | cccgcaccag  | tctgtcgcac  | aggccatata | cttagttgtc  | aggttaatca  | 1328880 |
| cgaactccat  | gttctttttc  | agaataggat  | aggagtgtcg | ttccggcctg  | acagagatat  | 1328940 |
| agcacatcgg  | cggattggta  | cagatggttc  | cgacccatgc | cacgggtgatg | atgttgattt  | 1329000 |
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| gtttccagtc  | ttgcttcata  | cggtagttaa  | atcagtttga | tattgtcttt  | ctgctgttct  | 1329120 |
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| tcatcgggca  | tcagtacctg  | ctttttctca  | actacctcat | aatggcggat  | gatgttcagc  | 1329300 |
| ttcacattgg  | gagcaacaac  | cgacaagcgg  | cttacttcc  | cgtcggagaa  | atatctgtcg  | 1329360 |
| gctaccttga  | tgatgccttt  | cttgcccagc  | ttcttgctct | cgaattattt  | tccgatagtg  | 1329420 |
| atgttgctgt  | ctgtgttctc  | caatccgagc  | aacgctacaa | ctgtaaatac  | tttatccgaa  | 1329480 |
| ggtatatggt  | cgataaccgt  | tccattctca  | agggcggcta | cctgtaattc  | tttcttttcg  | 1329540 |
| ttcataatct  | tttttgatca  | atttgtttaa  | aaagtttatt | tatcgttcgg  | tatccgcctt  | 1329600 |
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| gttctgagcc  | tgctggaaat  | aatatgcctt  | ttcgttggtg | tctacatcgt  | aagcaatttc  | 1329720 |
| gtttacacga  | ggcagcggat  | gaagaattcg  | gagattcggg | cgggtatgct  | ccagcatctt  | 1329780 |
| gttgccggagg | atatacacat  | ctttcacccg  | ttcgtattcc | atcaggtcgg  | taaagcgttc  | 1329840 |
| ccgctgtaca  | cgtgtcatgt  | acaaaatgtc  | cgcacgcaca | atggctctct  | ctgtaaagtc  | 1329900 |
| cgtatgctcg  | atatatttta  | tattgtgttc  | cttgacgtac | aatttgtatt  | cttccggcat  | 1329960 |
| cttcagttcc  | tcgggtgcga  | tgaaatgaaa  | agtcggattg | aatgacgca   | tggccatcag  | 1330020 |
| cagggaatga  | accgtacggc  | cgtacttcag  | gtcggccacc | aaataaatat  | tcaggttctc  | 1330080 |
| cagcgtgccc  | tgtgttttat  | atatggaata  | gaggtcgagc | atagtctgag  | aaggatgctg  | 1330140 |
| atttgctccg  | tcgccggcat  | tgacaatagg  | taccggggca | atctcgctgg  | catagcgtgc  | 1330200 |
| cgctccctcc  | agatagtgc   | gcatgacgat  | gatgtcggca | taattgctta  | ccatcatgat  | 1330260 |
| ggtgtctttc  | agtgtttctc  | ccttcgaaga  | gcttgtcacc | ttcgggtccg  | taaattccgat | 1330320 |
| aaccttgggt  | cccagtctgt  | ttgccgcagt  | ctcaaaactt | aaacgagtac  | gcgtggaagg  | 1330380 |
| ttcaaagaaa  | agggttgcaa  | cgattttttc  | atccagcaag | tgacggttgg  | gtttcttttc  | 1330440 |
| aaactctctt  | gccatttcca  | aaagataaag  | gatacgttcc | ttagaatgat  | tggcaatggt  | 1330500 |
| tactaaactt  | ctattttcca  | tattttcggg  | tttatgattg | ttattataat  | accggagttc  | 1330560 |
| aaaggtaggc  | aaaaaaaaata | aaagcaccat  | tcttttttca | tataaattca  | ctgaagtttt  | 1330620 |
| tatttctccg  | tcgttgcggt  | ttctcatttt  | ttgtacgaaa | atttttatct  | tttgtaaaaa  | 1330680 |
| tcattttgtt  | ttttgtacaa  | aaaccgggta  | ctttctcatc | ttgttttatt  | cgttttattcc | 1330740 |
| agtgaatttc  | cttatttttg  | cacgttttct  | taaagcactt | tgcggaatg   | gagtaagatt  | 1330800 |
| tccgcagatt  | ttgccgtaaa  | tagaacaggt  | aaagcatatt | aatttatcat  | gaggaagaaa  | 1330860 |

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|            |            |            |             |            |             |         |
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| tttatatacg | tggtgtgggc | gctgctcgca | ctaggagttt  | tatcggtagc | cgtgggtcttt | 1330920 |
| acggctatcg | caaaaggatg | gataggttac | gtgcctccgg  | tggaggaact | ggaaaatccg  | 1330980 |
| aatctgaaat | ttgcaaccca | gattatttcc | gacgacggtc  | agttgctggg | tacatggtcg  | 1331040 |
| tacagcaagg | aaaatcgtgt | atacgtagga | tacaacgatc  | tttcgcccaa | tctggtacac  | 1331100 |
| gcacttgtgg | ctacagaaga | cgtgcgcttc | agtgaacatt  | cgggtataga | catccgggct  | 1331160 |
| ttcatgctg  | cagtcacaa  | gcgtggaatt | ttcatgcaga  | agcacgccgg | tggaggtagt  | 1331220 |
| accattacgc | agcagctggc | caagcagttc | tactcgccga  | cagccgacaa | tgtgatggaa  | 1331280 |
| cgtctgttgc | agaaaccgat | agaatgggta | attgccgtga  | agctggagcg | ttattacacc  | 1331340 |
| aaagaagaaa | tcctgacaat | gtacctcaac | aagttcgatt  | tccttaacaa | tgccgtagg   | 1331400 |
| atcaagacag | cggccaagac | ttatttctcg | aaagaccgga  | aagatctttc | gatagaggaa  | 1331460 |
| gctgctacgc | tgatcgggat | gtgcaagaat | ccgtcgcgtg  | ataacccgcg | ccgttacaac  | 1331520 |
| gaacgctcac | gcggccgctg | taatacggta | ctcgaccaga  | tgtacaaggc | gggctatctg  | 1331580 |
| accaaggctg | aacgggattc | gcttcaggca | ctgccactga  | cactgaagtt | ccagcctgtc  | 1331640 |
| gaccacaagg | atggactggc | gacttacttc | cgcgaatatt  | tgcgtagaat | catgacagca  | 1331700 |
| aaggaaccgc | atcgtttcaa | ctacagaggc | tggcagcaac  | agcagtatta | tgaagactct  | 1331760 |
| ctggcatgga | aaaacaatcc | gctgtacgga | tgggtgtgcaa | agaacaaaaa | gaaagatgg   | 1331820 |
| accaattata | atatctatac | cgacggtctg | aagatttata  | ccaccatcaa | ttcacgtatg  | 1331880 |
| cagcgctatg | ccgaagaagc | cgtttacgaa | catgtggcca  | agtatttgca | gccgcgcttc  | 1331940 |
| ttcaaggaaa | aatacggacg | caagacggct | ccttatacca  | acgagctgac | tcaggaagaa  | 1332000 |
| gtcgacaaga | tactggaacg | ctccgtacgc | cagtccgacc  | gctaccgcga | aatgaaggaa  | 1332060 |
| gcaggttggt | cggaagcgga | aatccgcaga | gcgttcaata  | ccaaacatga | aatgacagtc  | 1332120 |
| ttttcatggg | atggggacaa | agataccatc | atgactccgc  | tggattctat | ccgctattac  | 1332180 |
| aagcatttcc | tgcgtgcggg | attcatgtcg | atggaccgga  | ttaccgggta | tgtgaaagct  | 1332240 |
| tatgtgggtg | gtcttaacta | taattatttc | cagtatgata  | tggcaatgg  | gggacgccgt  | 1332300 |
| caggtaggat | ctaccatcaa | accatacttg | tatacactgg  | ccatggagaa | cggatttcta  | 1332360 |
| ccctgcgatg | aagtaagaaa | cgttgagcag | acattgttcg  | acgaaaacgg | aaaagcatgg  | 1332420 |
| acaccgagaa | acagttcgaa | gtcgcattac | ggcgaaatgg  | ttacgctgaa | gtggggactg  | 1332480 |
| gcgaactcca | acaactggat | ttctgcttac | ctgatgagca  | agcttaaccc | gtacgctctg  | 1332540 |
| gttcgcctga | tccattcgtt | cgggtgtctg | aacagagata  | tccagcctac | agtttccctg  | 1332600 |
| tgtctgggtc | catgcgaaat | ttctgtcgga | gaaatgggta  | gtgcttacac | ggcctttgcc  | 1332660 |
| aaccgtggta | ttcgtacggc | tccgctcttt | gtttcacgca  | tcgaagacaa | tgaaggaaac  | 1332720 |
| gtcattgcga | cattcactcc | gcaggtggaa | gaggtaatca  | gcgagtcgag | cgcttacaag  | 1332780 |
| atgcttgta  | tgctgcgtgc | cgttattaac | gaaggtaccg  | gcggacgtgt | tcgacgtctg  | 1332840 |
| tatggaataa | aggcggatat | gggcggaag  | accggtacaa  | ccaaccgtaa | ctctgatggc  | 1332900 |
| tggtttatgg | gattcactcc | ttcgtcggtg | tcaggctgct  | gggtaggcgg | tgaagaacgc  | 1332960 |
| gatatccact | tcgataccat | gcgcgacgga | cagggagctt  | caatggcttt | gccggtatgg  | 1333020 |
| ggcctgtaca | tgcagaaggt | ttatgccgac | aagaccctgg  | gttatttcta | agatgaatat  | 1333080 |
| ttcgacatcc | ctcaggattt | cgaccctctg | aaggataaac  | tcacagagat | tgaggaagat  | 1333140 |
| aataatagtc | agctggatga | tgtatttttc | cagtaaggaa  | aagtacggct | ggcaaacgct  | 1333200 |
| accatattat | aaagaaaacg | tgccgatgtt | ttatcacaaa  | cgtcggcacg | tttttttatc  | 1333260 |
| cttccaccgt | tgcttttttg | aaggaatttt | cttatcttgc  | aaaaaccgat | aaaaaaagga  | 1333320 |
| ggattgtaat | ggatcgtaat | cttaccttat | accagctatc  | tcctgaacgt | gcagccaaga  | 1333380 |
| ttttcgaccg | catcgatatg | ttcaatcgtg | gaagaacaga  | aacaaacggc | aaatatgtca  | 1333440 |
| tcagcatgcc | aactccttat | cgcccgtatt | acgggttctg  | gcgaatattc | ctcaacgaca  | 1333500 |
| atgctccact | gtttatacgt | acactggccg | tgacattcga  | tgccgctgcc | gaaagagcct  | 1333560 |
| ttgccctgct | tcagaattgc | aacgttctgc | tcgatgtaca  | agacaatgcc | gtattcgaaa  | 1333620 |
| gctgctacgg | gcagtcggac | gatattattc | ccttcggcaa  | atatcgccgc | aagcgtctgg  | 1333680 |
| ccgaaatctt | ctatgtagac | ccttcgtatg | tactttggct  | ggccaataag | tttgtcgtag  | 1333740 |

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|            |             |            |             |            |             |         |
|------------|-------------|------------|-------------|------------|-------------|---------|
| aaaccaagcg | ttacgaaccg  | ctggtccttc | tggaacagaa  | gtttgccaag | gtacactttg  | 1333800 |
| agcttactat | ccagaaaaaa  | cacatttctt | cggtaagccg  | gtatatcggc | gaagtaggag  | 1333860 |
| acaagctgaa | ggatatgttc  | ctgactgtac | tgaatgtccg  | tctgcaagtg | gatacataca  | 1333920 |
| aggccgattt | ttatgtagac  | cagaatgtgc | tggtgcccga  | ccgcgacggg | aaccgcttta  | 1333980 |
| cttttttcgt | aaaggctgcc  | gcacggagtc | agacacccaa  | tgcgctgagt | tgtcacagcc  | 1334040 |
| ggaagatcaa | tacacatgag  | gtcctgcatc | tttcatctgc  | taaaataatg | gcacattacg  | 1334100 |
| aaagcaaagg | ggtacattat  | actcgactgg | gatatgtaaa  | gcttgtctga | ttaccacact  | 1334160 |
| tttccaagcg | aactcaaggc  | ttgcccga   | taatgctttt  | ccatgtcggc | aggcttcattg | 1334220 |
| acctgcgtac | cgaataccag  | caaatcgata | tccagaggaa  | taatgccttt | ctgcttacct  | 1334280 |
| tcgggagttc | ttccacactt  | cttttcaata | tccttgaaga  | gagctttcag | ctcgccggca  | 1334340 |
| gaaagttccg | tttccatcac  | ggccgcctga | ttcagataag  | gcgaggatt  | ttctgtcact  | 1334400 |
| tcgggaacgg | tttctacaat  | ttctcccat  | tgcattccag  | gaaatgtgca | gtctagtatt  | 1334460 |
| tttcttgcca | tagccagatg  | atattctccg | tcggcattcg  | atcccagaca | gattacacaa  | 1334520 |
| cgacatgtag | ttttcatatt  | tatgaagttt | tggtacaaa   | aatagatttt | tttttgtaaa  | 1334580 |
| tttgcatacc | aataaaaagt  | atgaatacca | tgaattttat  | cgaattatt  | ccagcaagat  | 1334640 |
| atgcttccac | gcgttttccg  | gcaaagcctt | tggtatgct   | gggagggaag | accgttattc  | 1334700 |
| aaagagtata | cgaacaagta  | tccggcattc | tggtatgaagc | gtacgtagct | accgacgatg  | 1334760 |
| cacgcacga  | ggaagcagtc  | aaagcttttg | gggaaagggt  | ggttatgact | ttggtaaacc  | 1334820 |
| ataagagcgg | tacggaccgt  | tgctacgaag | ctttttgtaa  | agtgggtggc | ggatacgatg  | 1334880 |
| tcacgtgtaa | cattcagggt  | gacgaaccgt | ttatccaacg  | ttctcaacta | gaggctgtaa  | 1334940 |
| aagcttggtt | cgaagacgaa  | acgacacaga | tagcgacgct  | ggtgaagccc | tttactccgg  | 1335000 |
| ccgacgggtt | cgatgcgctg  | gaaaacgtga | attctccgaa  | ggtggtagtc | aacaaaaaca  | 1335060 |
| tgaatgcgtt | gtatttccagc | cgttccatta | ttccatatca  | gcgaaataaa | gataaggcag  | 1335120 |
| aatggctgga | aggacacact  | tattataagc | atatcggatt  | atatgcttac | cggtgcaaatg | 1335180 |
| tattgaagga | gattacttct  | ttaccgcaat | cttcgctcga  | actggcagag | tcgctggagc  | 1335240 |
| aattgcgctg | gctggaaaac  | ggatatacca | taaaggctcg  | tatcagttag | gttgaaacaa  | 1335300 |
| ttggaataga | tactccgcag  | gatttggtc  | gcgcagaaca  | gttcttgac  | gaacataaag  | 1335360 |
| aaatgaagta | atggcttttag | acagaacaac | agctcccaaa  | atacgtcaga | tagatcattt  | 1335420 |
| ttctatagcc | gctcctgagc  | gcagagtaat | gcctaacgga  | ataccattga | atgttattca  | 1335480 |
| agtaggaaat | gaagatgtag  | tacgttttga | cttgctggta  | aagggtggtc | agtggaaatca | 1335540 |
| gactcagccg | ctgctggcaa  | tgtttacc   | tcgtatgttg  | cgtagaggta | cccaagcgct  | 1335600 |
| tacatcgtcg | cagatagccg  | aaaaactgga | ttattacggt  | gcatggctgg | atttgtcgtc  | 1335660 |
| atcgtgaat  | tacgggttca  | tcacgtata  | ttcattaggc  | aagtattttc | caaaaacaat  | 1335720 |
| agagattctg | gcctcgatgg  | ttaaggagcc | gacctttccg  | gaaaaagagt | tgctcggttg  | 1335780 |
| ggtggatc   | aataagcaac  | agtttttgg  | caatgcacaa  | cgggtggatg | tcattggccc  | 1335840 |
| aaagcgcctg | aaccgtgtc   | tgttcgggtt | gtcacatccg  | ctgggacgtt | atgcagagct  | 1335900 |
| cgacgactac | gaccgtatca  | acagtcagg  | tttaagagat  | ttttatcgcc | agtattatca  | 1335960 |
| ttccggaaac | tgttccgtat  | atgtttccg  | aaaagttacc  | cccgaatcg  | tgctgtcat   | 1336020 |
| tgagcatcat | ttcggagaat  | cggcatggg  | agatacatcc  | cgcaaatga  | ctcataaaac  | 1336080 |
| atttcagcct | gtgacggagg  | agaataagc  | tatctttatc  | gaaaaggaag | atgcattaca  | 1336140 |
| gagctctgtc | aagataggaa  | cattctccat | cagccagcag  | catcctgact | atttgaaact  | 1336200 |
| gcgtgtgctt | gttacgctgt  | tcggaggata | tttcggcagt  | cggttgatgt | caaatatccg  | 1336260 |
| tgaagataaa | ggttatacgt  | atggcattgg | agctggactg  | gtaaattatc | cgggcatcgg  | 1336320 |
| agtgtgggc  | ataagcactg  | aagcagccaa | tgaatatgtg  | gaaccgctta | tagccgaagt  | 1336380 |
| ttataaggaa | atggatata   | tgcttcgga  | aaaggtttca  | gacaaagaac | tggaatggt   | 1336440 |
| acgcaactac | atgctgggag  | atatgtgccg | ttcgtatgaa  | agcgctttct | cgctttcggg  | 1336500 |
| tgcatggata | ttcatcgaaa  | cgctgggact | gaaaaatgat  | ttcttcgaac | agacgctgag  | 1336560 |
| agctattcgt | gaagttacct  | ccgacgaact | tcagggtgtg  | gcacaacgat | atttctgtaa  | 1336620 |

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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| agaaaactta  | atagcagtcg  | ttgcgggtaa  | aaaagtgtaa  | tgattttata  | atctctctgc | 1336680 |
| taaaaacact  | atTTTTgaac  | atccaaataa  | aaacgaaaaa  | agaaactaat  | gacaagacat | 1336740 |
| acatttttat  | tattcacgct  | aatggcattt  | ggaggcttgt  | cggcttctgc  | acaaatgtca | 1336800 |
| ttgggatatt  | acaaattcaa  | ggatggatcg  | gaatatacag  | gagagctgaa  | aggccgctgt | 1336860 |
| ccgaatggaa  | aaggaaaaac  | agttttcaag  | aacggagatg  | tatacgaagg  | ggaatatgta | 1336920 |
| aaaggaaaagc | gtgaaggaga  | aggtacgtat  | atattcagtg  | atggagaaaa  | atatgtagga | 1336980 |
| cattggtatc  | aggaccaaca  | gcatggaaaa  | ggtacttatt  | atTTTatgaa  | taacaatcgt | 1337040 |
| tatgagggta  | tgtggtatgc  | tgactttcag  | gaaggagagg  | gtacaatgta  | ctattataac | 1337100 |
| ggtgaccttt  | acgtgggtat  | gtggcatgaa  | gacaagcgaa  | acggacacgg  | tacctataca | 1337160 |
| tggaaaaggcg | gtgccaaata  | cgaagggtgaa | tggaccaacg  | acctgaaaaa  | cgggaaaggg | 1337220 |
| gtcatgacat  | gggaggacgg  | ttcgaagtat  | gaaggagaat  | ggaaaaacgg  | cgaacgtcac | 1337280 |
| ggtaaaggta  | cgTTTTacta  | taccaacgga  | gataaatata  | tcggcgactg  | ggtaagagac | 1337340 |
| gttcagcacg  | gtaaagggtat | ttattacttt  | cagaacggag  | aacgctacga  | aggcgattat | 1337400 |
| gccgatggag  | aacgtaccgg  | aaaagggtatt | tacgtttatc  | ccaacggaga  | taagtatgta | 1337460 |
| ggacagttta  | aaaacggatg  | gcaggaagga  | accggaacat  | ttacatggca  | gaatggtgct | 1337520 |
| gtatacgaag  | gccaatgggc  | aaaaaaccaa  | cggctctggaa | aaggacatta  | taaatgggga | 1337580 |
| aacggcgatg  | aatacgaagg  | tcaatggaag  | aataacatgg  | ccgaaggaga  | aggcgTTTTg | 1337640 |
| cgcattgcagg | acggatccgt  | ctatacaggc  | catttctcta  | aaggcaagga  | agacggtaaa | 1337700 |
| ggtacgatcg  | taacaaagga  | cggagtacga  | tttgagggct  | tcttcaagca  | agggaaaaag | 1337760 |
| gatggtcctt  | tcgtagaaac  | agaccgtaac  | gggaaagtta  | ttcgtcaggg  | tacattccgc | 1337820 |
| tacggcagac  | ttttggagga  | gaaataataa  | tgttggattt  | atcgttactt  | acagataagg | 1337880 |
| tacggagcct  | cgcaatagaa  | gcgggtagct  | ttatacgcga  | tgaagaaaaa  | aagtttcatc | 1337940 |
| gtgaggccgt  | tgagaaaaaa  | catgcacacg  | actatgtttc  | gtatgtagac  | aaagaatctg | 1338000 |
| aaaagagaat  | tgtaacctgc  | ttgaagggaat | tgcttcctga  | agcaggTTTT  | attgcagaag | 1338060 |
| agggtagcgg  | taatctcacc  | gatgaagaat  | actgctggct  | ggtcgaccgg  | cttgacggaa | 1338120 |
| cgacaaactt  | tattcacgac  | aatgtccctt  | attgcgtaag  | cattgcgtta  | cgaagtaaaa | 1338180 |
| aagaattatt  | attgggctgt  | gtatatgaaa  | tctgtcgcga  | tgaatgtttc  | tggacttaca | 1338240 |
| aagacgtcc   | gtcgtatctc  | aatggcaagg  | aaatacatgt  | ttcatcggtt  | tcacgactcg | 1338300 |
| atgattcctt  | tatcgcaact  | ggctttccat  | atgcatcgga  | tgcctatagc  | cccatggctg | 1338360 |
| tacatctggt  | aaagaacctt  | tacggaaacg  | tagcaggcct  | gcgactgctc  | ggagcggcag | 1338420 |
| cggtagaact  | ctgctatgtg  | gcaaccggca  | gatttgaagc  | gcgtatagaa  | gcatttctcg | 1338480 |
| gcccattggga | tattgccgca  | ggtaccatta  | ttttacaaaa  | tgcaggaggg  | aaggttaccg | 1338540 |
| atttttagcgg | agaagactct  | ttttactccg  | gttcgcaggt  | tttggcatcc  | aatggaaaga | 1338600 |
| tccatcagaa  | tttgttgaat  | ataattgata  | acctataaaa  | tacttatatt  | ttattcggtt | 1338660 |
| tatcaaaaata | tattttgtat  | gtttgtgtta  | caaaaaaggg  | ataagggcatt | gaatatacca | 1338720 |
| gaaatttttag | atTTTctgaa  | acgcttgtca  | gagaataata  | cccgtgaatg  | gtttcaggaa | 1338780 |
| cataaaagctg | aatatcaaaa  | tgtacaaagc  | agTTTTgaaa  | atctgcttgc  | aactatcata | 1338840 |
| gcacgcattct | cattattcga  | tgaagtggtt  | tcgcatgttc  | gtcccatga   | ttgtacctat | 1338900 |
| cgaatctatc  | gggatattccg | tttctcggca  | gacaaatctc  | cttataagaa  | ccatatagga | 1338960 |
| ggatatataa  | atgcccgtgg  | aaagaaatca  | aatcactgcg  | gatactacat  | tcatctggaa | 1339020 |
| ccaggcaact  | gcatgctggc  | aggaggaagc  | tggtgtatgc  | cttcgaatat  | gctgaaagca | 1339080 |
| gtccgccagt  | cggtagtaga  | caatatcgaa  | gaattccgtt  | ccattgtgga  | agaccctgct | 1339140 |
| ttcaagaagt  | atTTTcccg   | aataggagag  | agccacttga  | aaacaatacc  | caaaggattt | 1339200 |
| cccaaggatt  | ttccttatcc  | ggaatacata  | aaatgcaagg  | actatacggg  | ggcttatgtg | 1339260 |
| attcctgatt  | catttttcaa  | taatccctt   | ttcatagatg  | agatagttaa  | tgtcttcaga | 1339320 |
| caactgaaac  | gctttgcaga  | cttcacgaat  | tatacaatcg  | atgattttga  | ataggatata | 1339380 |
| atttccatat  | acgtaaaatc  | acaaataaat  | cattactact  | atgggtttag  | ataaattaga | 1339440 |
| aaatctttag  | aaatatgttt  | ctctgaatcc  | tttgtttgca  | caagccgtag  | aatacctaaa | 1339500 |

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|             |             |            |            |             |            |         |
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| caccgatttg  | ccggaagaag  | aatataatgc | agaaaaagac | attacctttt  | acaaaggatt | 1339740 |
| ggcaaaaagat | tatctgacta  | taactccggg | catgtttgct | atcttttttc  | cgcaagacgg | 1339800 |
| acacgctcct  | ggcgtaaactt | ctaacggagt | gaaaaaagtt | atagtaaaag  | ttcgggtaca | 1339860 |
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| attaatcggg  | aagaaaacat  | tgtccgactt | tgcgacagga | catctttatt  | tcggtctgca | 1340040 |
| tcgtaccgaa  | aagggatgga  | ctttccgtga | atgggctcct | aatgctactg  | aaatttatct | 1340100 |
| gattggtgat  | ttcaacggct  | ggcaagagca | ggccaagtac | aagctgaaac  | ggattaaaaa | 1340160 |
| taccggtaac  | tgggaaatca  | acctgcgcga | aaatgccatg | aaacacggcg  | atttgtacaa | 1340220 |
| ggtgaaagt   | tattgggaag  | gcggatgcgg | cgaacgtatt | cctgcatggg  | caacgcgtgt | 1340280 |
| tgttcaggat  | gaccaaacca  | agattttcag | cgcacaggta | tggaaatccg  | aaaaacctta | 1340340 |
| taaattcaaa  | aagaaggat   | tcgttccgaa | tattgtctct | ttgatgattt  | atgaatgcca | 1340400 |
| catcggtatg  | gcacaggatg  | cagagaaggt | aggtacatac | aacgaattcc  | gcgaaaatat | 1340460 |
| tcttccgcgt  | attgccaagg  | atggatacaa | ctgtattcag | attatggcta  | ttcaggaaca | 1340520 |
| tccgtattac  | ggcagtttcg  | gatatcatgt | ttccagtttc | tttgctccat  | cgtccagatt | 1340580 |
| tggaaacacc  | gaagaactga  | aacaacttat | cgataccgca | caccagatgg  | gtattgctgt | 1340640 |
| aatcatggat  | atcgttcatt  | cacatgctgt | aaagaacgaa | atagaaggat  | tgggcaactt | 1340700 |
| tgccggtgat  | ccttgtcagt  | atttctatcc | aggagaacgc | cgtgaacatc  | cggcatggga | 1340760 |
| ttctttgtgc  | ttcgactatg  | gcaagaacga | ggttattcat | ttcttgctct  | ccaactgcaa | 1340820 |
| atactggctg  | gaagaattcc  | atttcgatgg | attccgcttc | gacggtgtga  | cttccatgct | 1340880 |
| ttattacagt  | cacggactgg  | gagaggcttt | ctgtaactac | ggtgactatt  | tcaacggaca | 1340940 |
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| tccacgtgcc  | attaccattg  | ccgaagaagt | ttcgggtatg | ccgggacttg  | cagctccatt | 1341060 |
| caacgacggc  | ggatatggct  | tcgactaccg | tatggcaatg | aacattccgg  | attactggat | 1341120 |
| taagattatc  | aaggaacgtc  | gcgacgaaga | ctggaaaccg | tccagcatgt  | tctgggaagt | 1341180 |
| aaccaatcgc  | cgcaaggatg  | aaaagaccat | ttcttattgt | gaaagtcacg  | accaggctct | 1341240 |
| ggtaggcgac  | aaaaccatta  | ttttccgtct | gatagatgcc | gatatgtact  | ggcacttcaa | 1341300 |
| gataggagat  | gaaaacggta  | ctgtacagcg | tggatatagc | ctgcataaga  | tgattcgtct | 1341360 |
| gcttacagct  | tctaccatca  | acggtgggta | cctgaacttc | atgggaaatg  | aattcggaca | 1341420 |
| tcctgaatgg  | attgacttcc  | cgcgtgaggg | caacggatgg | tcgtataagt  | acgctcgtcg | 1341480 |
| tcagtggcat  | ctggtagatg  | ataaggattt | gtgctatcac | tatttaggag  | attttgacaa | 1341540 |
| tgcgatggta  | cacttgattg  | aaggagtcaa | gaacatacag | aagaccgatg  | ttgtggaaat | 1341600 |
| ctggcacaat  | gacggcgacc  | aggtactggc | ttaccgccgg | aaagacctga  | ttttcgtatt | 1341660 |
| caacttcaat  | ccgaccggtt  | cgtttaccga | ctacggattc | cttggtccgc  | gcggcgaata | 1341720 |
| tcgtgtcgtt  | ctgaatacag  | acagtaaagc | attcggagga | ttcggatttg  | cagacgattc | 1341780 |
| cattgcccac  | tttacctgtg  | ccgatccggt | gtatgcaaaa | gaaaagaaaag | aatggcttaa | 1341840 |
| attgtatata  | cctgcccgtt  | ctgcagtagt | ggtgaaacgc | cagaaataac  | gtttatgaat | 1341900 |
| gaatatatcc  | ataaaaaacta | taagaaagcc | gcacgcatac | agaccgtcgt  | gtgcggcttt | 1341960 |
| cttttttcca  | ttttcagttt  | tatctatctc | tatgtgtttc | aaagcgatgt  | cttagaagct | 1342020 |
| cttcatttct  | cgctggcaca  | tggtaaaacc | cactttgcc  | ccctgccaag  | tgccatcatc | 1342080 |
| attaccctga  | tactggctct  | tctccgctgg | ggagtaaaca | gcttgctggg  | actgaaagga | 1342140 |
| gaggttcgtg  | ctcttgctta  | tttcccttcc | tgtcttatat | tgggagtact  | taccgatgta | 1342200 |
| gggagaacca  | tttacctgag  | cgattatcac | actccgtggg | gatggctgtt  | gcctaccgtg | 1342260 |
| ctgctggtct  | atttcctgct  | ggccttttgg | ctgagaagag | tgtttcgcgt  | acagttgaat | 1342320 |
| gtagaaaagta | gtccgaccgc  | actgatgaac | agtaatcttg | tcactttgct  | gctgcttatt | 1342380 |

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| cattacttac  | gcaaccacca | gtacaacgaa | gtcctgaaag | tgggaaaaaa  | ctccgtcgaa  | 1342500 |
| gcgagccgta  | cactgaccgt | actgcgtacc | atcgccatgt | cgcatacagg  | aactttgggt  | 1342560 |
| gaaaagcttt  | ttgaataccc | gcaatattat | aagactgacg | gattgttctt  | tgccaacgat  | 1342620 |
| tcgtctactg  | ttctccgcta | taccaacgac | tctatctact | atctgctggg  | agttcgtccg  | 1342680 |
| tataacggcg  | aagaccgtat | ggagtttctg | cgcaacatct | gctacaaagg  | taccggaaaa  | 1342740 |
| tcgacgtcac  | tcgactatta | tctctcggcc | ttgttgctcg | aaaagcgact  | ggatgccttt  | 1342800 |
| gccagggcta  | ttgtagatth | ctgtgagccc | gacgaagact | tcgcacggta  | ttataaggaa  | 1342860 |
| gcgatgctga  | tatatcgcca | ccggcatcct | gattatccca | ttcaggtaac  | agacagtgtc  | 1342920 |
| atgatccagc  | gctatgccga | atacaaggta | cgacgtaaag | actttacctc  | cgcaatagag  | 1342980 |
| gagcgcaaca  | aaatgcgtcg | agaatttgga | gaaacatact | ggtgggtatth | cgattatcag  | 1343040 |
| cactaaaaac  | actgtttgca | attgaaatga | atgccactth | tgtaggcaat  | caatgtctth  | 1343100 |
| tttactaatt  | ttgcaacttc | gaaaaaacga | tataaaaaat | aataacaaca  | taaattatgg  | 1343160 |
| caaaaagaatt | aaaagacctc | acaaaaagaa | gtgagaacta | ttcacaatgg  | tacaatgatt  | 1343220 |
| tggtagtaaa  | agccgacctg | gctgaacagt | caccggtagc | tggatgtatg  | gttatcaaac  | 1343280 |
| cttacggata  | cgctatctgg | gagaagatgc | agcgcactct | ggacgatatg  | ttcaaggcaa  | 1343340 |
| ccggacacgt  | aaacgcatac | ttcccgttgc | tgatcccga  | atcatacctg  | agccgtgaag  | 1343400 |
| ctgaacacgt  | agaaggctth | gcaaagaat  | gtgccgtagt | aactcactac  | cgctctgaaa  | 1343460 |
| atgcagaaga  | cggatcagga | gttatcgtcg | accctgccgc | taagctggaa  | gaagaactga  | 1343520 |
| ttatccgtcc  | aacttcagaa | actattatct | ggagtacata | taaaaactgg  | atcaactcat  | 1343580 |
| accgcgacct  | gcctatcttg | tgtaaccagt | gggctaactg | agtacgttgg  | gaaatgcgta  | 1343640 |
| ctcgtttgtt  | cctgcgtact | gccgaattct | tgtggcagga | gggacacact  | gcacacgcta  | 1343700 |
| ctcgcgaaga  | agctgaagca | gaagctcaga | agatgctgca | cgtatatggc  | gacttcgctg  | 1343760 |
| aaaagtacat  | ggcagtacct | gtcatcaaag | gtgtgaaatc | gccgaacgaa  | cgtttcgccg  | 1343820 |
| gagcactcga  | tacttatacc | atcgaaggat | tgatgcagga | cggaaaggct  | ctgcagtgcg  | 1343880 |
| gtacttctca  | cttcttgga  | cagaactttg | ccaaggcatt | caacgtacag  | tttgtcgaca  | 1343940 |
| agaacaacaa  | gctggattat | gtatgggcta | cttcatgggg | tgtttctact  | cgctctgatg  | 1344000 |
| gtgccctgat  | catgactcac | tccgacgaca | acggctctgt | tcttctctca  | cattttggctc | 1344060 |
| cgatacaggt  | tgttatcgtt | cctatctaca | agaacgacga | acagctgaaa  | cagatcgatg  | 1344120 |
| ccaaggtaga  | aggtatcgcc | gccaaattgc | gtgaaatggg | tatctcgggt  | aaatacgaca  | 1344180 |
| atgccgacaa  | caaacgtccg | ggcttcaagt | ttgccgatta | cgaactgaag  | ggtgttcctg  | 1344240 |
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| atacgctgga  | aaaggaaact | cgttcttgcg | aaggcatcga | agaatatgta  | aagaatctgc  | 1344360 |
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| ctcactggga  | cggacaact  | gaaacagaag | aacgtatcaa | ggaagaaaca  | aaagctacca  | 1344540 |
| tccgctgtat  | tccgttcgaa | gcagacgaag | aaagtcttac | tccgggctga  | gatatggtaa  | 1344600 |
| caggcaaacc  | ttcggctcgc | cgtgtattgt | ttgcgcgtgc | atattaatat  | tgagtaaatc  | 1344660 |
| gatcttatca  | taacttggag | caacaggtat | cgtactgcc  | ggaaggaagt  | cggtatttgt  | 1344720 |
| tgctcttttt  | tcgtcgta   | cattcaaaga | aaaacttatg | gaaacgaaca  | aaacaacaga  | 1344780 |
| acttgtcatg  | ctggggaccg | gcaatgcggc | ggttaccgga | tgctataata  | cctgctttac  | 1344840 |
| cctgagatgt  | caggataaga | cactgctggg | agacgcggga | ggaggaaacg  | gaatactggg  | 1344900 |
| acaacttgag  | aaagcaggca | taccgttgac | cgacattcat | gccatgttcc  | tcacccatgc  | 1344960 |
| gcataccgat  | catatactgg | gagcgatatg | ggtagtgcgt | gtcattgcgc  | aacttatgca  | 1345020 |
| ggctggaaaa  | tatgaaggta | ccttccatgt | atacgacac  | gacaaagcga  | tacagatact  | 1345080 |
| cgactggatc  | tgctcgatga | cgctgccagc | caagatcgtg | gcacgactgg  | gaaagggtat  | 1345140 |
| cgaactgcat  | accgtaacgg | acggcatgtg | cttcgaagcc | ggaggattca  | gcttgcagtg  | 1345200 |
| tttcgacata  | gcctcaacaa | aagaaaaaca | atatggcttc | cgcacgacac  | tgcccgcagc  | 1345260 |

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| gaagaaactg | gtatgtctgg | gcgatgaacc | atacaacgaa | ctgaatcacg  | attatgtggc  | 1345320 |
| aggaaccgac | tggctgctgt | gcgaggcttt | ctgtttgtac | gacgaccgtg  | agcggttcaa  | 1345380 |
| gccttacgaa | aagcatcaca | gtacggctct | cgatgccgga | cgacttgctt  | cgtcgctcga  | 1345440 |
| cgtaaagaat | ctgctgctgt | atcataccga | ggacaagaca | ctggcgactc  | gtaaggaacg  | 1345500 |
| gtataccgcc | gaagcccgc  | aagagttttc | gggaaatgtg | tatgtgccc   | atgatctgga  | 1345560 |
| aaagatcatt | ctatagcaca | gaaatcttcc | gcctgccgat | tcccgttctc  | ccatttctca  | 1345620 |
| ccgttcgctc | ccttctgtcg | gtaatgctgg | ggagaaacgc | ctgctttcga  | cttgaagaat  | 1345680 |
| ttgccgaaa  | ccgactggtc | tgagaaattc | agctcttccg | caatctgctg  | agcagtataa  | 1345740 |
| tcggtacgga | caagcaggcg | gcaggcttct | gcataaagca | tgccgggtcag | aatataggcc  | 1345800 |
| gccgtctttc | ccgtctgccg | acgtatgacg | cgcgacagat | aagtcgtgga  | aaccgacaac  | 1345860 |
| tgaccggcat | agtaattgat | ataatgttcc | tgcttatagt | gagccacgac  | cagcgagata  | 1345920 |
| aagtcatgaa | acaaagtttc | ggtacgtccc | tgcgactgag | gcagggcaga  | gacacgctct  | 1345980 |
| tctatcacct | cgagtaccaa | cagcatgcag | gcgtgcatca | ggcattgaat  | aatctccttt  | 1346040 |
| tgataaacgt | tgacgtcgac | aatggacaga | cggatttgct | ccatacattt  | tcgcaaggcc  | 1346100 |
| tcctgcattt | tccgttccag | acggaccacc | ggagtatcgc | tccggcaaaa  | gtaataagaa  | 1346160 |
| tacgtctggg | aagcaggatt | cgatgagagc | atgtgctcga | ataaacttcg  | ctcacacatc  | 1346220 |
| aggttcctgc | ttttaaaatc | gtcgtgctg  | tttacaagg  | aaaccagcat  | actgggagaa  | 1346280 |
| aacagtaata | aatcgcttcc | ctgcacagta | tactccttgt | agttgagtac  | ataacgtgcc  | 1346340 |
| gttccttcct | ccaccagaat | aaacgaaaac | atatctgcaa | gcaccggcgg  | caccttgctg  | 1346400 |
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| atctggtgaa | acatcatcag | ttccggcaac | cggatgattc | tttcttccat  | aaccaatata  | 1346520 |
| tcttcttatt | tttctgttaa | aattacattt | tgtttcgtat | ttaaccagtt  | gtgtttccag  | 1346580 |
| atttaacatg | ccattccgac | ggaaagtgcg | gaactttgct | gtaaagaaaa  | cagcataacc  | 1346640 |
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| cacaactctt | gccagcccag | cagcagatca | ctttacacga | tgccgatgga  | aaggctttca  | 1346760 |
| atgtattgct | gcgtaaggct | ctgcccgtaa | atgccccgcg | tgtccgctat  | ccggggttca  | 1346820 |
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| agatgatagc | cgaaaccttc | tcttccgctc | acggaatgct | cgaagaccag  | ccgcgcatga  | 1347480 |
| tcgtagaaca | tccgttcatg | tgcgattact | ggagagataa | agctgcccgt  | ctggaaaaca  | 1347540 |
| tcaccattcc | ggcatacgta | gtggccagct | ataccaattc | ggttcacacc  | cacggaacct  | 1347600 |
| ttgcaggtta | ccgccgtatc | tcctcgaaag | agaaatggct | gcgcgtgcac  | gacaccaacg  | 1347660 |
| agtggttcga | ttactacaca | ccggaacacg | tggaagacct | gcgccgtttc  | ttcgatcatt  | 1347720 |
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| ggatggagaa | accgaccgaa | ataaccggtt | acatgaaatt | gcattctgtg  | gtatcagctc  | 1348020 |
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| agaagctgaa  | acccggtgaa  | attgttttgc  | tggaatttga | aatctggccg  | atgggcatga  | 1348260 |
| tgttcgacaa  | ggacgaaatt  | ctccagctta  | ccgtagaagc | ctatcgcccg  | gcaaaagcct  | 1348320 |
| ccataccttt  | cggttctgcc  | aagatcagcg  | tgccgaaaga | gggatatacc  | taccagccag  | 1348380 |
| gtactcaggt  | agaacagatt  | acactgggag  | gcaacgaaac | ccaatgtgcc  | gatccggcag  | 1348440 |
| aagtggtaac  | atcgccagct  | actcacaacg  | tcggaagaca | ctgcatctat  | acaggcggac  | 1348500 |
| gctacgacag  | ttacctgtat  | gtaccggtca  | taccggaaaa | ataaatcacg  | caagtcctat  | 1348560 |
| catattctat  | ttttcttgcc  | gggagacctc  | atcgtttttc | ggcaagttcg  | tataaaaacc  | 1348620 |
| tctgcatctt  | tttttatatt  | ttgtacaaaa  | aacaaaaaag | tttgtacaaa  | aacatcaagc  | 1348680 |
| aatatcccgga | caccttttca  | tccgcatgcc  | tgctttgcaa | cgagatgctg  | ctccgaaacg  | 1348740 |
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| cgggtggtgga | cgaagccatt  | tcgctggggt  | acaacctgat | cgtatcacat  | catcccctaa  | 1349040 |
| tctttaaggg  | atataagtcg  | ataaccggaa  | aggattatgt | ggaacgctgc  | atcatgaagg  | 1349100 |
| ctatcaaaaca | cgatatcgtg  | atcttctcga  | tgcatacca  | tctggataac  | gctcctcagg  | 1349160 |
| gagtgaatta  | taaaatagcc  | gagaaaatcg  | gtttgcagaa | cgtgcagata  | ctggaaccca  | 1349220 |
| aggacaatgc  | cttgctgaaa  | ctgggtgacgt | ttgtccccgt | aaagcaggca  | gaagaagtcc  | 1349280 |
| gccaggcact  | gttcaaagcc  | ggctgtggct  | gcataggcaa | ctacgactcg  | tgagctata   | 1349340 |
| atctagaagg  | aaaggaact   | ttccgtgcag  | gcgagggcac | acatccgttc  | tgaggcaagc  | 1349400 |
| agggagaact  | gcacgaagaa  | gcagaggtag  | gcacgaaac  | cattcttccg  | gccttccgga  | 1349460 |
| aaggagctgt  | ggtgcgtg    | ttgctggctg  | cccattccgt | cgaagaacc   | gcatacgacc  | 1349520 |
| tgtatccgtt  | gcagaatgcc  | tggacacaag  | caggttcggg | cgtagtggga  | gaactcccca  | 1349580 |
| caccggaagc  | tgaaccgat   | tttctgctgc  | gcatcaagca | gacgttcgag  | gtaggctg    | 1349640 |
| tgaacattc   | gcataccagc  | ggctcgatga  | tacggaaagt | cgactttgc   | ggaggagcag  | 1349700 |
| gtgcttttct  | gctaccaag   | gctgtggcga  | gtggcgccga | cgtattttatt | accggcgaag  | 1349760 |
| tgaataacca  | cgactatttc  | agttacgaga  | acgacatcct | cgtggcagag  | ataggacatt  | 1349820 |
| atgaaagcga  | acaatacaca  | aaagaaacat  | tttattcaat | catacgggaa  | atgtttccgt  | 1349880 |
| cactcaacgt  | cagcatgacg  | agtgtcaata  | caaattccat | caaataattt  | taataactat  | 1349940 |
| ggctaaagaa  | gcaaaaaaag  | atcccagcga  | actgagtgtt | gaagaaaagc  | tgaagcact   | 1350000 |
| gtatcagttg  | cagacaatgc  | tgtctgaaat  | cgacaagatc | aagaccctga  | gaggagagtt  | 1350060 |
| gccgctcgaa  | gtacaggacc  | ttgaagacga  | agtgcaggt  | ttgactacac  | gtatcgaaaa  | 1350120 |
| aatcaagact  | gaaatcgaag  | aactgaagtc  | gaacattgcc | agcaagaaga  | ttgaaatcga  | 1350180 |
| aacggctaag  | gcttctgtag  | aaaagtataa  | agctcagcag | gacaacgtac  | gcaacaaccg  | 1350240 |
| tgaatacgat  | gtattgacga  | aggaaatcga  | attccagagc | ctggaaattg  | aattgtgcga  | 1350300 |
| aaagcgtatc  | aaagaataca  | ctgcttcaat  | caaggctaaa | gaagaggaaa  | tcgaaaagag  | 1350360 |
| caacactgct  | ttggaagaaa  | gaaagaagga  | tctggaaatt | aagaagaacg  | aactggaaga  | 1350420 |
| aatcatttct  | gaaaccaagc  | aggaagaaga  | aaagctgaga | gaaaaggcca  | aaaacttgga  | 1350480 |
| aacaactatc  | gagccgcgtc  | tgcttcaggc  | tttcaaactg | atccgtaaga  | actctcgtaa  | 1350540 |
| cggactgggt  | attacctacg  | ttcagcgtga  | tgcttgtggt | ggttgcttca  | acaagattcc  | 1350600 |
| gcctcagaag  | cagttggaca  | tccgtatg    | caagaaaatc | atcgatg     | aatactgc    | 1350660 |
| tcgtatcatg  | atcgaccg    | aactggctg   | tggtgttct  | gaaagacatc  | tggtatacaa  | 1350720 |
| agtgaataaa  | tatcgggtcta | tcggctgatt  | gagaatat   | aatccggctt  | ccttctgcaa  | 1350780 |
| tcatgcagaa  | aggagccgga  | ttttttgtat  | ctcttttcaa | gacaggtgtt  | ctgctatttc  | 1350840 |
| tgaatatatta | tagtaataatt | tgcgtaaaaa  | acactaatta | aatttttaaaa | agcaaaactaa | 1350900 |
| atgtatatca  | gcataatg    | aaattatata  | cccttaatat | agtgataata  | tttatgtaca  | 1350960 |
| ataaaatatt  | cagataatat  | tataacgttt  | aggaaatact | tacagagaag  | cgtaatccg   | 1351020 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| aatctcaggc  | aggaacacgt | acgaattggg | cgtgtaatct | atccgacagc  | agtaatgggt  | 1351080 |
| gataccattg  | gtcactacca | gatattccac | ccgcagcacc | atgttgtaac  | gcgttatctg  | 1351140 |
| atcgaataca  | gcttgagtaa | tgactacatc | aggtgccttg | tattccacaa  | tcattgcgggc | 1351200 |
| cgtcaaatca  | cgattataca | gcacggatc  | gcaacgcttt | ttggtaccgt  | tcagggtta   | 1351260 |
| ctgtatctca  | tttgccaata | ggcccgatgg | atagccctta | tgaaccagca  | ggtaattggg  | 1351320 |
| aaaatgctgc  | cggaccatt  | cttcaggcgt | caaggctacg | tatttcttgc  | gcagcacgtc  | 1351380 |
| gaaaatatac  | tttttacctt | ctttattaga | gatttttaac | gagtaagggtg | gtaagtttaa  | 1351440 |
| tgccaacatt  | tcgtaaattt | gcaataatag | acaatattgt | ttttcataca  | aaaatacgaa  | 1351500 |
| aatatcatga  | aaactaaagc | tgaaatcgta | gcaaacgtgt | tgccgcgata  | cacaaaaaga  | 1351560 |
| aaactagagg  | acttcggaga | atatattctg | ttgacgaact | tcaataagta  | tgtagagata  | 1351620 |
| tttgacagatc | ggttcaatgt | gcctatttta | gggcgcgatg | caaacatgat  | ttccgcaaac  | 1351680 |
| gcggaaggca  | tcaccatcat | caactttgga | atgggtagtc | cgaatgctgc  | catcatcatg  | 1351740 |
| gacttgctga  | gtgccattca | tcccaaggca | tgctttttct | tgggcaaatg  | cgggggaata  | 1351800 |
| gacaagaaga  | atcagatagg | cgacctgatc | cttccgattg | ccgccatacg  | cggggaagga  | 1351860 |
| acatcaaacg  | actattatcc | gcccagaggt | cctgccttgc | ctgcatttat  | gcttcagcgt  | 1351920 |
| gccgtttcgt  | ctgccatccg | cgaccattcg | cgcgactact | ggactgggtac | ggttttataca | 1351980 |
| accaaccgcc  | gtatctggga | gcacgacgag | cacttttaac | agtatctgct  | gaagacacgt  | 1352040 |
| gccatggcgg  | tagacatgga | aacggcaacc | ttgttcacaa | ccggatttgc  | caaccatatt  | 1352100 |
| ccgaccggtg  | ccttgctgct | ggtttccgac | cagccgatga | taccggaagg  | agtgaaaaca  | 1352160 |
| gagaaaagcg  | atacactcgt | cacacagcaa | ttcgtcagcg | aacatgtgga  | aatcgggtatc | 1352220 |
| gatgccctgc  | gcatgattat | cgatgaaaag | aagactgtaa | agcatctgaa  | atttgactgg  | 1352280 |
| taattttact  | atcatggcaa | aagaagtaac | ctacgaagag | attgtcagaa  | acgttaagaa  | 1352340 |
| taaggctctat | tctcccatct | atttcctgat | gggagaagaa | gactattata  | tcgatcgcat  | 1352400 |
| ctccgattac  | atcatggaca | gtgtactgac | cgatacagaa | aaggagttaa  | accagacggt  | 1352460 |
| tctgtacggc  | gcagacacgg | atatcgccac | catcatcaac | ggtgcaaaac  | gctatccgat  | 1352520 |
| gatgtccaaa  | tatcagggtc | tggtggtaaa | ggaagcacag | aatctaaaga  | acctggatga  | 1352580 |
| gctggtctac  | tacctgcaa  | agcccatgcc | gtctactatt | ctgggtcatct | gttacaacaa  | 1352640 |
| tggagtactc  | gaccgaagaa | aaaaacttac | agcagaaatc | gaaaaggcag  | gagtactggt  | 1352700 |
| cgaatcgaaa  | aagctgaaag | atgcacagct | ccccggattc | atctcctcgt  | atctgaaacg  | 1352760 |
| caagcaggta  | gaaatcgaa  | cgaaagcagc | agagatgatg | gccgaatttg  | tcggcaccga  | 1352820 |
| cttgaaccga  | atggcggg   | aattggaaaa | attaattatc | accttacctt  | cgggacaaaa  | 1352880 |
| acgtatcact  | ccggaacaga | tcgagcggaa | catcggaatc | agtaaagact  | ataacaactt  | 1352940 |
| cgaattgcgg  | aacgcgctaa | tcgcaaaaga | tattctgaaa | gcaaatcaga  | tagtaaatta  | 1353000 |
| ttttgaagaa  | aatccgaaaa | gcaatccgct | ccaagtacc  | ttggccgtac  | tcttcaattt  | 1353060 |
| ctatgcaaac  | ctgatgctgg | cgtactatgc | acccgaaaaa | acggagcagg  | gaatcgctgc  | 1353120 |
| acaactgggt  | ctgcgttctg | cctggcaagc | caaagactac | atgcttgcca  | tgagaagata  | 1353180 |
| tacgggcgta  | aaagtaatgc | agatcattgg | agccatccgt | atgtgtgatg  | ccaagtgcga  | 1353240 |
| aggaatagga  | aacgcacgca | caccagacgg | agaattacta | agagaactca  | tctttatgat  | 1353300 |
| tcttcactaa  | cattgatttt | gttcacgggg | aagactcggt | tttgtagctt  | taataacaac  | 1353360 |
| aacgtgcaaa  | accgagtctt | ttttataacc | gctgtgagat | tttaaaattt  | gaaagcaaac  | 1353420 |
| gaatcatcgg  | ccgcaaattt | taaaatctga | gagtatgaga | atttcaggca  | gattggaaga  | 1353480 |
| gaaaaatgga  | aaatgtaaag | ttcttccaaa | agttatcgta | atgacggcaa  | ttaatatgat  | 1353540 |
| gcatattttc  | tggcaaaata | gggtttaatc | tccgaacgtt | ctctttacgg  | atgtatagaa  | 1353600 |
| gaaacgagac  | atcaaacaat | cttcttgcaa | ctaacaatta | gacattgttt  | acaaatgttg  | 1353660 |
| gagtatatatt | ataaacaat  | gtattagtta | catttgtaaa | ccttgtaaaa  | aagtatatta  | 1353720 |
| atatagaaaa  | atagagggct | aaatccctga | ataggagagg | ggagagccat  | ttgttttgta  | 1353780 |
| tacaaatcta  | tatgtaaagc | gtagtttatt | catttaagat | ctataagata  | gaataggcta  | 1353840 |
| ataaccagca  | tatttcaata | aaatttataa | gaaaagcttt | aacaaattta  | catttggttc  | 1353900 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| cataaatttct | ctatcaagac  | gcgtaacaat  | tgtatttttaa | tataataata | cattattaat  | 1353960 |
| caggtaaata  | taataatatg  | ttaaagtga   | agctttatta  | taaatcactc | aattttacatt | 1354020 |
| cataaacctc  | taaagtaagg  | atcgttat    | atatttgtaa  | aatccaattg | tttccaactt  | 1354080 |
| ttatacatgt  | aaatttgcaa  | aagaaaacat  | aaaacattac  | ctttgtaaat | agataaataa  | 1354140 |
| cctattccat  | ttgttaatga  | aggaccgtat  | tatacaaatac | atgcagaaag | aaggcttgag  | 1354200 |
| taacgctgaa  | tttgctgaga  | agattggaat  | ttcaacttct  | tcactttctc | acataattcaa | 1354260 |
| cggtagaaac  | aaaccgagcc  | ttgacgtagt  | tatgctgatac | cataaagctt | gtccttatgt  | 1354320 |
| caaccttgaa  | tggctgctgt  | atggagaagg  | cgaaatggaa  | gacggaacaa | caccgatgc   | 1354380 |
| tgcaatatct  | cagccggcac  | aaagccatga  | gagtgcagaa  | aaatcgaccg | gaagtccgat  | 1354440 |
| tcttttcgat  | tttcgcaagg  | aaaatgcatc  | agaaacgcct  | gtatatacac | ctaaagaaac  | 1354500 |
| tgtacgtgag  | gaaattagat  | acatagaaaa  | acctcatccg  | aaaattaccg | aaataagaat  | 1354560 |
| tttcttcgac  | aacggcacgt  | atcaggtatt  | taagcctgaa  | aaaatgtaaa | gcggagttat  | 1354620 |
| tctaaggaga  | tgcatagatg  | cttcatggga  | atccacatca  | agaacttatc | cttatattat  | 1354680 |
| attttttaaag | aaatatgtaa  | atacaaaaaa  | tgcttgatg   | tttttcaatg | aaacgtatct  | 1354740 |
| aggcattttt  | ttgttacata  | ctgggacttt  | ccctcaggca  | aagaggaaga | tactaggtaa  | 1354800 |
| attcgttatc  | tttgcattac  | gaaacgaatt  | tactctagtt  | ttatgaagaa | atacatatta  | 1354860 |
| gatttgacag  | taacagagaa  | catccgtttg  | cacacaaact  | atgttctgat | taaactgact  | 1354920 |
| cagtcagccc  | cggtgccgga  | gatgcttccg  | gggcagttcg  | ccgaaatccg | catagacggt  | 1354980 |
| tcaaatacga  | cattcctacg  | gcgccctatt  | tccattaatt  | atgttgacag | aaagaccaac  | 1355040 |
| gaggtgtggt  | tcctcgtaca  | gttggtaggc  | gacggtacac  | gcaagctggc | aactgtaaaa  | 1355100 |
| gaaggtgata  | cggtaaatgt  | ggtattgcct  | ttgggtaatg  | gtttctcgct | gccggaaaca  | 1355160 |
| cccgcacaaga | aagtgttctt  | ggtaggcggg  | ggtgtgggta  | cagctccgat | gctttatttg  | 1355220 |
| ggcgaagcat  | tactgaaaat  | gggatgcaag  | ccgactttcc  | tgctgggtgc | acgctccaag  | 1355280 |
| aacgatctgc  | tgcaactgga  | acaattcgag  | cagtttgccg  | atgtgtacac | tactaccgaa  | 1355340 |
| gatggaagca  | tgggcaaaaa  | aggttatgta  | accatgcaca  | gtgtattgaa | agaccataag  | 1355400 |
| ttcgacatga  | tttactactg  | tgggtcccaag | ccgatgatgg  | tagctgttgc | caaatacgct  | 1355460 |
| aaagcaaacg  | gcatcgagtg  | tgaagtatcg  | ctggaaaata  | cgatggcatg | cggcggttga  | 1355520 |
| gcttgtctgt  | gctgcgtaga  | aaagaccgat  | gaaggtcata  | tgtgtgtttg | taaagaagg   | 1355580 |
| cctgtattta  | atataaagaa  | actattatgg  | cagatttaag  | tgtaaacatc | ggtaaattag  | 1355640 |
| aaatgtcgaa  | tccggtgatg  | actgcatcgg  | gtacattttg  | atatggactg | gaatttcagg  | 1355700 |
| actttgtaga  | cctggaaaag  | attggtggta  | tcattgtaaa  | gggtaccact | ctgcatcatc  | 1355760 |
| gcgagggtaa  | tccgtatccg  | cgtatggcag  | aaactcctat  | gggtatgctg | aatgctgtag  | 1355820 |
| gattgcagaa  | caaggggtgtg | cattactttg  | tagaccatat  | ctatccgcag | attaaagaca  | 1355880 |
| ttcgtacaaa  | tatgattgta  | aacgtttcgg  | gttcacaagt  | ggaagactat | gccgaaacgg  | 1355940 |
| caagtatcat  | caacgaactg  | gaaaatattc  | cggccattga  | gctgaacatt | tcctgtccga  | 1356000 |
| acgtaaaaaca | aggtggtatg  | gccttcggcg  | tttcggcaca  | tggagctgcc | gaggtggtaa  | 1356060 |
| gtgccgtacg  | taaggtatac  | cataagacac  | tgatcgtaaa  | actctcgccg | aacgtaaccg  | 1356120 |
| acatcaccga  | aattgcacgg  | gctgccgaag  | gcgctggagc  | cgacagtgtg | tcgctcatca  | 1356180 |
| ataccttggt  | gggaatggct  | atcgatactg  | aaaagcgcaa  | gcctatcctg | tctaccgtaa  | 1356240 |
| ccggcggtat  | gagcgggtga  | gccgtaaaaa  | cgattgcctt  | gagaatgggt | tggcaggtag  | 1356300 |
| ccaaagccgt  | aaagattcca  | gtaataggac  | tgggtgggtat | catgaactgg | aaggatgccg  | 1356360 |
| ttgagttcct  | attagcaggt  | gctactgcca  | tccagatagg  | aaccgccaac | ttcatcgacc  | 1356420 |
| cggctatcac  | agtgaaggct  | gctgatggta  | tcaacgacta  | tctggatcgt | catggctatt  | 1356480 |
| catctgtacg  | cgacattata  | ggagcgctgg  | aagtttataa  | tattttgaca | gaaagattct  | 1356540 |
| atagaatccc  | atagccaatc  | aagaagaggt  | gcataatatca | gaaaggatga | tctatgtacc  | 1356600 |
| tcttctttat  | ttatacagaa  | atgcgaatta  | ttgctccatt  | ctctttttcg | cttaaattgt  | 1356660 |
| aaaatatattt | cctcgctaac  | aaatttagtt  | gtaaatagtc  | tgtagcaatc | attagctcag  | 1356720 |
| atcaagaggg  | aacagataca  | tgcctatagc  | tcaccagaca  | attcagacct | ttattccatc  | 1356780 |

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| tactcgttgc  | agtcataaaa  | ttctatagta | gaatccatgc  | cttgtaaaga  | ctctcttcac  | 1356840 |
| aataaaaaat  | ctttaactca  | tattttcta  | ctgcaaacga  | ttcccaacca  | acaataaaac  | 1356900 |
| tttgggctct  | cctgaatact  | cctttaatcc | atctcttcga  | acaaaagttt  | aaaagcaact  | 1356960 |
| gaaaacgtaa  | acctctcaca  | tctgttcttt | ccatgtcatc  | caaccgggtc  | ctgtttcatc  | 1357020 |
| atcagcctga  | tactatggga  | tacacttctt | catccatatc  | tcattccata  | tcgaatctac  | 1357080 |
| gccatacaat  | tcataatgat  | gcaaacgttc | ctagttcatc  | gtatagagtc  | ctcttcgaca  | 1357140 |
| agagccatat  | agattcgttt  | cgttcgtata | caagctattg  | aagtaatcct  | ttataaggca  | 1357200 |
| tttcatttgt  | cagcaatttt  | atacataaat | ttctatatct  | gttgccaggaa | aaataaacat  | 1357260 |
| tgtttatatt  | ctctgaaagc  | tgcttaatca | tctcatagcc  | caacgatata  | ttagaatttt  | 1357320 |
| agaagaagat  | ttctaagctg  | agtatacccc | caaataaatc  | gcattttctt  | atttgtaatc  | 1357380 |
| aggcaagttt  | tggataaaaa  | aagccggact | gttccgaacc  | actatatatt  | tcattgctttc | 1357440 |
| aaacaactca  | ttatttcatt  | tgcagagaga | acattttctt  | ctgaaaaggc  | cgaataaaaa  | 1357500 |
| ggccataatc  | tcaccgcaca  | aacataacct | aaaagagaag  | ttataaccgca | gccgagtcct  | 1357560 |
| cataaccaca  | ggcaaaggta  | attcgtgttc | ttctcgtaca  | ggcaaggcaa  | agcccttcg   | 1357620 |
| gttcgtggaa  | aaaatcatcc  | tcgccccaga | gggcttgcag  | tattttttcc  | cgaagccttg  | 1357680 |
| catgttcgga  | acacgacctt  | tttaagcttg | tagttatgag  | aactccggcc  | cctataagcc  | 1357740 |
| ggactaaca   | aaaatcaaat  | gtcatgttac | agaaagcgaa  | gaagaagaag  | tacatggtgg  | 1357800 |
| aaacactcaa  | gccattgaat  | gtactgtacg | atcacgaact  | ctggctgaca  | ctgcaggacg  | 1357860 |
| tggatctttc  | tttttcctta  | acggttttct | taaaagaaat  | atatactttt  | gtatcaaaag  | 1357920 |
| ggacaagtat  | gagaaatata  | ctatatatca | ttatattagc  | agtggcggtta | tgtgcatgta  | 1357980 |
| acaattccac  | acaaaaagag  | aggatttttg | atacggcaga  | atcaatggcc  | gttgagcatc  | 1358040 |
| ccgattctgc  | ccaaacaata  | ctggaaacat | tatatccata  | ttcaaaaattg | acccaacaac  | 1358100 |
| aaagagcacg  | atgcggaata  | ttgctcgcta | cggcaaaaact | tcaacaaaagc | aaagcctttg  | 1358160 |
| cctccgatag  | cctattggac  | aacagtgtat | catattttcaa | gcaaaaattgt | gacagcatag  | 1358220 |
| agctattcaa  | agcctatcaa  | ctcaaagcct | atcagtctat  | gtggcggtgga | caacaggatt  | 1358280 |
| caatgttcta  | ttattttcag  | caatcaatca | acatgatagg  | tgaggaaaat  | aagaccagc   | 1358340 |
| tatattcttt  | gaatataaaa  | ctggcaaata | tttattgtga  | accgtctgct  | gaaaaagatt  | 1358400 |
| acaataaagc  | aatactatat  | gcaaggaaag | cattaactta  | tgcgagagaca | gaacaacaaa  | 1358460 |
| aggcttatgc  | tctgcaccaa  | attggaactt | gctatggctt  | catcaataaa  | aatgactccg  | 1358520 |
| cattggttta  | tatcgcccg   | gccattgatt | tttcacaaca  | aaataaagga  | gaatctaatt  | 1358580 |
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| gctattttaac | ggaattacct  | gaaaacagtt | tgggaagggt  | aattacttta  | ggttttctca  | 1358700 |
| atctaaacaa  | caggcataca  | ggcattgcaa | aatatttttg  | cgacaaagct  | gattcgttat  | 1358760 |
| atagtagtgc  | ccctgataag  | tattcaatca | atacatacaa  | cagtcttaga  | atactcaatg  | 1358820 |
| catgtgtaaa  | atacaccttg  | ggtgaagaag | tttctgcaag  | tgaagggtat  | tcaaggaacg  | 1358880 |
| attcaatttc  | acaagtcatt  | tcaagaaaag | aagctctgaa  | tagtgagatt  | tcaagcaaca  | 1358940 |
| acttactatt  | gcagaaacac  | attcatgaat | ctcaactaag  | aacccaaaga  | aagattgtca  | 1359000 |
| tcataattgtc | aatcgtattc  | tttgggtata | tattgttctt  | cctatacgac  | agaaataaca  | 1359060 |
| agaaacgata  | tatcaaaaata | agaaaagaac | tggaccaaat  | tcgtgtcaat  | cagatagaat  | 1359120 |
| tacaatctat  | cgattctgaa  | aatggccaaa | attctgaatt  | gactaagatt  | tggaagaaaa  | 1359180 |
| gagctgatat  | ttgcagagac  | aatttcattc | ggaatggatg  | gatgaagaaa  | cttcaaatat  | 1359240 |
| tggaaggga   | tgacaagcat  | gccaatggtt | cttttcttcc  | gcctgcagaa  | agggacaaac  | 1359300 |
| tcagggaaca  | gttattcgaa  | gaattcacag | acatgataat  | agatataaaa  | gcagcaggca  | 1359360 |
| atggagtcac  | tctggatgat  | ctgacactct | gtctcttttg  | tcttctgaaa  | ataaataata  | 1359420 |
| caacgatttc  | caagtgcatt  | ggggcttctg | aaaacgctat  | cagaaccgga  | aaaagcagac  | 1359480 |
| ttaaagaaaa  | gcttgccctt  | cagatgtatc | aatttatatt  | cggtagataa  | caaactgata  | 1359540 |
| tacatcataa  | tatacaagca  | ttgaaacaaa | tgtgaaacac  | tgaacgcac   | attgcaacaa  | 1359600 |
| atctgcaatg  | catagtctta  | aagcccctat | aactaaaatc  | atacttttgc  | attgagtcac  | 1359660 |

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|             |            |            |             |             |             |         |
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| aaaaatgcaa  | gcaagtatga | aaagaaatct | tttcttttatt | ttcgtttttaa | tgattgtgcc  | 1359720 |
| atttactgtc  | aaggcgcaaa | tcaaaggtgt | ggtatgtgac  | gagaaccaga  | accccgtaga  | 1359780 |
| gtttgcaaat  | gctattttga | tgggtgctga | ttccgtatat  | atcgaggag   | cagtaacaga  | 1359840 |
| cgcaagtgg   | aaatgtgatt | ttttaccga  | ttatgcaaaa  | gcaaagtttt  | tacaaatttc  | 1359900 |
| cgctctcgga  | tacaagacaa | ttataaaaac | gctggatgag  | aaaaacgata  | ttggaacact  | 1359960 |
| cgtacttgtt  | tcagacaata | tcctgctgga | cgaagttacg  | gtaacggcac  | aacgaccttc  | 1360020 |
| tcaacatttg  | acaataggtg | gcataatcac | aactgtaaat  | gggtctgttt  | tgagcctgct  | 1360080 |
| cgggaatgca  | atggatgtga | ttggacaact | tccaggcgtt  | atgctgaag   | atgacaaatt  | 1360140 |
| tactgttttt  | ggcaaagga  | caccaatcat | atatgtgaat  | gggagaaaac  | tgacggacaa  | 1360200 |
| cagcgaatta  | tatagaatgt | catcaaaaga | tattgcaagt  | gtggaagtaa  | tcagtaatcc  | 1360260 |
| cggtgcaaaa  | tatggtgcag | aagtaagatc | ggtgttatta  | gttcgcacaa  | tcaagaaaca  | 1360320 |
| aggagacgga  | ttaagcggct | caatacaagc | tgctgctcgg  | gctgctcact  | cttgggtctaa | 1360380 |
| ttcggacaac  | ctttcactca | attttagaaa | gaataatctt  | gacatatctg  | gggcctttgc  | 1360440 |
| ttttgaccat  | tcaagacgat | atcaacagca | gaaaaatgtc  | accataataa  | atactgggca  | 1360500 |
| taatctgtat  | gatctgaatt | ctgacattat | catattgcct  | gtcagcacia  | cttataatgc  | 1360560 |
| caatttaggt  | ctcaactgga | aaattaaccc | taagaatgta  | ttgggagtaa  | aatatgaatt  | 1360620 |
| tcgaggtaca  | ccttacaatc | attcagactg | gaccacaaat  | gaaacaatcg  | aattaaatgg  | 1360680 |
| tatccttgat  | gataaaatag | attactatac | atactggaaa  | agaaagaata  | tgccgacaaa  | 1360740 |
| catattgaat  | atgtattata | taggcgaata | tggagattgg  | atgaactata  | ataaaaactt  | 1360800 |
| gaatatattt  | aacaattata | agtatgttta | tgcatatgta  | taatgaaaac  | tcgtcgggcc  | 1360860 |
| tgactgtctca | gtcccttgcc | gcatggcgct | ccctccgcag  | gagtgttat   | ggttttactg  | 1360920 |
| atataaatcc  | atcaacatat | ggcttatctt | gtgtaacaac  | tgcaaaggcc  | tgtcttacca  | 1360980 |
| atttattggc  | gacagcaaca | acagctactt | taccagggtt  | accttttagat | cgtagacggt  | 1361040 |
| caaaacatgc  | tttacattct | gtattgcacc | taagtgtatga | gaatgctgcc  | acatatagtt  | 1361100 |
| gacttcgaag  | aattggatcg | ccatttctgt | ttatgtgacc  | tttaaagttg  | acagatgttc  | 1361160 |
| ctgactgttg  | atatgttggg | gataagccaa | gataacgcgt  | aagttgtttt  | gcattatcaa  | 1361220 |
| agtatgtaaa  | gccaccagtt | gccacaatta | aagccgcagc  | tagtgttaca  | ccgatacctt  | 1361280 |
| ttatggaagt  | gagtaaattc | atctgtttct | tgaattcatc  | attagctaata | gaagccagtt  | 1361340 |
| cttcttccat  | atatttgatt | tgttttccca | gaaaagcaat  | cgttttctct  | attgttttct  | 1361400 |
| tgcattttaga | gtcataaatt | ggaagaacct | ccatagaacc  | tttcagggtg  | cttggttgcta | 1361460 |
| ctaactgctt  | cttttagctg | cgtaggacag | tacgtttttg  | tttgagaact  | aaaattgaat  | 1361520 |
| cgctgcgcat  | tctgtatgga | gatggttgca | tcttctcacc  | gtatagtgtc  | ataagacgtg  | 1361580 |
| catcaatctc  | gtcagacttt | atgactgaaa | gcatgacttt  | ggagaaattt  | tttatcttca  | 1361640 |
| gaggttctc   | caggcttact | gtaaaaccaa | actcggaag   | catatataca  | agcaatgtac  | 1361700 |
| tataattgcc  | tgttgcttcc | ataacacaat | gatgttcatc  | aactgatata  | gtttttataa  | 1361760 |
| actcacgaat  | acctttagct | gtattcttaa | aggttttggg  | tttactgctt  | tttgagaag   | 1361820 |
| aataagcaac  | cacgaatgtt | aacttactaa | catcaattcc  | aacgtagggtc | ataagctaata | 1361880 |
| ggtttttata  | attacaacgc | aacatctata | catcttttagc | catcattgca  | aatgcggggg  | 1361940 |
| ctaactgccc  | aatgaactat | ccggattctg | atgtaaaagt  | gtgggggctg  | aacatccgat  | 1362000 |
| acaatctaaa  | tgactaagct | tacgtcggtc | ttattccaca  | ctttgatgtt  | gaaaatttat  | 1362060 |
| acaaaagtac  | aacgtttaat | taatatacaa | cgcttactgt  | aaataacgac  | tattattcaa  | 1362120 |
| gtcgaataaa  | agctgaacag | gaaatagatg | aaatcagttt  | atcggaagga  | gaatcgacaa  | 1362180 |
| taagcagcct  | gaatcacatc | aacagttcaa | tgtttgcttc  | caaatccgtc  | ctggaatacg  | 1362240 |
| actttggtaa  | aaatacactt | gaggccggtt | atgagtacac  | ctatacaaat  | agaactgacc  | 1362300 |
| gatataataa  | ctataacgat | tttttgccgg | atgcagatga  | caatatcaag  | gaacataata  | 1362360 |
| ttgcgggggt  | cataagtacc | actttcccca | taggagtcta  | tgaactttca  | gggggattaa  | 1362420 |
| ggtatgagca  | tactatatcc | gattactatg | agaatgggct  | cttaatatca  | gagcaaagcc  | 1362480 |
| gaaaatatga  | tcgtttgttt | cccaatatag | actttacgtt  | ccctattaaa  | aaagctaagt  | 1362540 |

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| tacaatatga  | cgaccgcttt  | acctatgaga  | caggaaatcc  | tctattgaaa  | cgggaaatga  | 1362660 |
| atcacgatgt  | ttctttggct  | ggtattttaca | aatgggtttt  | cttttcagcg  | agctatcaat  | 1362720 |
| atgtaaaaga  | tgctatagtc  | gggattgttg  | aagcatataa  | ggaaggagaa  | cctgtaaatc  | 1362780 |
| tgatgactta  | tatgaattat  | gatcatatct  | caaactatac  | agcgatggta  | tctctatccc  | 1362840 |
| ctaaaatatc  | aatatgggtca | cctcgtctcc  | aatttaatct  | gatgggacaa  | aaccttaaaa  | 1362900 |
| taccatttat  | ggggacagaa  | ctgcgaatga  | acaatccatt  | gttggtttatc | aattttctaca | 1362960 |
| acagcatatc  | tgtcggaaaa  | ggtttctacta | ttacaggtga  | tatgtttatat | catacatcgg  | 1363020 |
| gagatatgga  | tgtggtttaca | ctaaaaccgt  | catggcaaat  | aaatctgggt  | gtagccaaga  | 1363080 |
| caattggtaa  | ctgttttttc  | cagcttagtg  | caacggatat  | attcaaaaaca | gcccgtaatt  | 1363140 |
| caatgataac  | ctatggaact  | caaataaaac  | ttgacaaatg  | gaactatagt  | gattcacagg  | 1363200 |
| ctgttcggtt  | taccatacgt  | tatgcattta  | actctacgat  | gagcaaatat  | aaaggaaggg  | 1363260 |
| gtgccggtca  | aagcgaagaa  | aatcgtttat  | aagattcaga  | ttaagagaat  | tcaaagagta  | 1363320 |
| gcagatatcc  | caccttcctc  | cttcgttcga  | tatttggaac  | tactttgcct  | ttataatatc  | 1363380 |
| ggaaagaaac  | atactcctta  | tagatatctc  | gatctccgac  | ctccagcttc  | ttgacaagag  | 1363440 |
| tactcttggg  | tattttcttg  | ctgcctaaaa  | gcctgtatgg  | accgacatta  | taggcaagcg  | 1363500 |
| tgaccagcag  | cagagagtcc  | tttccgaact  | gccggaacat  | ggcgagaaac  | ttacgtaagt  | 1363560 |
| ccttcctgag  | aagttcatct  | gcttgttgcc  | ttgtcatggt  | atgggcagaa  | tatctttccc  | 1363620 |
| ccggttgcaa  | gcaatgaccc  | caacctacat  | aggggtaatg  | ccgggaagaa  | tgccagccct  | 1363680 |
| cgaaccactt  | gatataaaat  | ttctgtcgaa  | taggtatgcc  | gagctgcatg  | aaaaacccaa  | 1363740 |
| ttacgctcta  | tacggcaaat  | ttcggcgata  | cgcttcaaat  | agcgattcaa  | cgaactgtaa  | 1363800 |
| tagtttacat  | tattctccct  | taatccatcc  | gaaattcggg  | cgagttttac  | tatatttgct  | 1363860 |
| tatatgaaaa  | catgacatac  | attaaatcaa  | aataatatgg  | aaaacttcaa  | gcttaaaaac  | 1363920 |
| agattcatat  | atggaagtca  | cattatcttg  | ttatggtttc  | tctgtggatt  | gctatttctat | 1363980 |
| tgtttcctga  | atttggtcac  | ccaagctccc  | caggaagatt  | cgaattttct  | gtcccattat  | 1364040 |
| tcactttaca  | tcctcatcgg  | aatcgttaca  | acctggatat  | atggtcgcgt  | ctattactct  | 1364100 |
| gtaagaaatg  | gcatcttgca  | aatacgtact  | ccatatcttg  | tattgaaaac  | cctggttcta  | 1364160 |
| caagacatca  | taaaagctga  | ttattatgca  | tccgcgaaac  | tccactttct  | tcatggatgg  | 1364220 |
| tataacgtat  | gcttgacaga  | tcagaaagga  | aagaaatact  | acttatacgt  | taagaacgag  | 1364280 |
| aaaagattcc  | tcgaattact  | aaaggaaaag  | aatccaaccc  | tatcggttgt  | gatgtaaccg  | 1364340 |
| aacaaactac  | tcggcaaagt  | ctatgctatt  | aaaaatgacg  | acttgacgaa  | gatttaattg  | 1364400 |
| gggatattca  | gtaaatatcc  | ccaaagataa  | aatggcatat  | gaagtgatta  | tggtctatca  | 1364460 |
| tcttcatatg  | ccattctcgc  | ttttggatat  | ttaccaaaagc | acttattttat | cgtttaatttt | 1364520 |
| cattttacaat | ataataataa  | accttttcgt  | tttctacgat  | atcatttttta | tatgccgcct  | 1364580 |
| tattttctacc | ttaggataag  | aatccttatt  | tatcttccag  | taaatccggt  | ctcaaacgct  | 1364640 |
| gtgtacgctc  | caatgactgt  | tgaaactccc  | attcgcggat  | cttagcttcg  | tgtcccagaca | 1364700 |
| aaagaatgtc  | tggaaccttc  | catccgttgt  | aatctgcccg  | acgggtatat  | acaggaggag  | 1364760 |
| ccagtaaatt  | atcttgaaat  | gaatccgaga  | gagccgactg  | ttcgtcggag  | atgactccag  | 1364820 |
| gaataattcg  | cacaatagca  | tccgaaatga  | cagccgcagc  | cagttctcct  | ccggtcagca  | 1364880 |
| cataatcgcc  | aatactgatt  | tccttcgtaa  | tgaaatgttc  | acgaatgcgg  | taatctattc  | 1364940 |
| ctttaaaagt  | tccgcaaaga  | ataatcaagt  | tttcgctcat  | ggaaagtgtg  | tttgccatct  | 1365000 |
| tctggttgaa  | ttgtccaccg  | tcgggagttg  | taaaaatgac  | ttcatcgtag  | tgacgttctg  | 1365060 |
| ctttcagagc  | cgagatgcaa  | cgggtctatcg | gttcaatttt  | cattaccatt  | ccggcacatc  | 1365120 |
| ccccaaaagg  | ataatcgtcc  | actttccggt  | aacggtcgtg  | agcatagtcg  | cgcaagttat  | 1365180 |
| gtatatggat  | ttctgcaatg  | ccttttttct  | gtgcacggct  | catgatagaa  | caattgaaaa  | 1365240 |
| agccttctat  | catttccggc  | aaaacgggtta | taatattctat | tctcataagt  | cttggttattt | 1365300 |
| tttgcaaaaag | tacaaaagttt | ccgccgtacc  | cacatagccc  | gctgggacat  | ttttgctaata | 1365360 |
| tttgccaggaa | acatcattta  | cttacaacat  | gaccgacatt  | gaaagaatag  | accagttacg  | 1365420 |

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| tcaggaattc  | gataagctga  | tgcgtgagct  | acaagatctg  | gaagctctgc  | atcccgaaca  | 1365540 |
| ttacgatccc  | aactcgccga  | gtgtccgtgt  | gggaagtgc   | ctgaacaaga  | acttcacgca  | 1365600 |
| ggtggagcat  | aagtatccga  | tgctgtcggt  | aggtaatacc  | tattcgagg   | cagaagttac  | 1365660 |
| cgaattttat  | gaacgtgtaa  | gcaaatcgct  | gaatgaggaa  | ttcgaacttt  | gttgcgaaat  | 1365720 |
| gaaatacgac  | ggtacttcta  | tttactgac   | atatgaagac  | ggaaagctga  | tacgtgccgt  | 1365780 |
| aactcgaggc  | gacggagtac  | gtggagatga  | tgtaaccgac  | aacataaaaa  | cgatccgttc  | 1365840 |
| cattcctttg  | gttttgcattg | gcgaaggata  | tccaaaaagc  | tttgaaatac  | gaggggagat  | 1365900 |
| tttgatgccg  | tggaatgttt  | ttgaggaatt  | aaaccgggaa  | cgagaactgc  | gtgaagagcc  | 1365960 |
| tttattcgcc  | aatccgcgta  | atgcagcttc  | gggcacgctg  | aagtcacaga  | actcggccgt  | 1366020 |
| tgtagccagt  | cgaagactcg  | atgcatacct  | gtattatcta  | ttgggagata  | atcttccaca  | 1366080 |
| cgacgggcat  | tatgaaaatc  | tacaggaggc  | agctaagtgg  | ggttttaaga  | tctctcatgt  | 1366140 |
| ttcgcgtaag  | gctcgtacct  | tgcaagaggt  | attcgacttt  | attaattatt  | gggatgtaga  | 1366200 |
| gcgtaaaaaac | cttccggttg  | caaccgacgg  | tatagtattg  | aaggtaaact  | cgctccgcca  | 1366260 |
| gcaacgaaat  | ttgggctata  | cggcaaaatc  | tccacgttgg  | gcaatcgctt  | ataagtttca  | 1366320 |
| agcagaacgt  | gcacttacca  | aactcgaaaa  | agttacttat  | caggtaggac  | gaaccggtgc  | 1366380 |
| gattactcct  | gtggccaatt  | tggatccggt  | tcagctttcg  | ggtactgtag  | ttcgccgtgc  | 1366440 |
| ctcgccttcat | aatgccgaca  | tcacgccttc  | actcgacctt  | catatcggag  | acatggtgta  | 1366500 |
| tgtggaaaaa  | ggaggggaga  | ttatccctaa  | aataacagga  | gtggaactgt  | ctgctcgtcc  | 1366560 |
| ggcaggaagt  | gaaaaagtca  | agtttatcac  | acattgcccc  | gaatgtggca  | gtcctttggt  | 1366620 |
| tcgttacgaa  | gatgaagcgg  | cttattactg  | cacaaatgaa  | acagcatgtc  | cgccacaaat  | 1366680 |
| aaaaggcaag  | atcgaacatt  | ttatcagccg  | tcgggctatg  | aatattgaag  | gtctgggacc  | 1366740 |
| ggaaactgtc  | gaccagtttt  | atcaggaggg  | tttgattcat  | gacgtagccg  | atttgtatac  | 1366800 |
| gttacaggct  | gcagatattt  | gtcgccttaga | tcgtatggga  | gaaaaatcgg  | cagagaatat  | 1366860 |
| cattcagggg  | attaccggtt  | ctaaggatgt  | accttacgaa  | cgtgtactct  | ttgcccttgg  | 1366920 |
| aatacgattt  | gtcgggtgaaa | ctgtagccaa  | aaaggtagcc  | aaagctttcc  | gctcaataga  | 1366980 |
| ttcgtgggt   | tcggcaagcc  | tggacgattt  | gattcacgta  | gacgaaatcg  | gtgaaaaaat  | 1367040 |
| tgccggaagc  | atcatacagt  | attttgccaa  | cgaagaagaat | cgtacttttg  | tagaacgact  | 1367100 |
| tcgtcaagcg  | ggacttaaac  | tgggaagccga | cgaagaagac  | ctttcaggac  | actcagataa  | 1367160 |
| gctgaaaagg  | atgtctatcg  | taataagtgg  | agtattttatt | cgtcattcac  | gtgatgaata  | 1367220 |
| caaaacactg  | atagaaaagc  | atggaggaaa  | gaatgtaggc  | agtatatcaa  | agaaaacctc  | 1367280 |
| tttcatcctc  | gccggcgaca  | atatgggacc  | gagtaaaactg | gaaaaagcga  | agcaactcaa  | 1367340 |
| tattccgata  | aaagacgaaa  | atgagttttt  | agcaatgata  | ggcgaagaat  | aattaatata  | 1367400 |
| atacctattt  | tgcaagcaaa  | aaagtgataa  | aattgaagta  | taaatagaaa  | atattcgtac  | 1367460 |
| ttttgtatac  | ttgaaatagc  | atttatatatt | tacttatgat  | acaaagaagg  | ttgaaaggaa  | 1367520 |
| tgggagttgc  | actaattact  | cccttcaatg  | aagacggaag  | tgtggactat  | aactccctga  | 1367580 |
| taaaactagt  | tgaatatcag  | gtacaaaacg  | gtacagattt  | tttgtgtgta  | ctgggtacaa  | 1367640 |
| ccgcagaaac  | cccaacactg  | acaaacgaag  | aaaagcagaa  | aataaagcaa  | gttggttattg | 1367700 |
| agcgtgtaaa  | cggacgtggt  | cctatttttac | taggaatcag  | tagcaactgc  | acacagacag  | 1367760 |
| ttgtcgacac  | cttaaaaaat  | gacgatttca  | caggagtaga  | tgccgtatta  | gtagctgtac  | 1367820 |
| catattataa  | taaaccatca  | caggagggtta | tttatcagca  | ctataaagca  | atagcagaag  | 1367880 |
| caacaaaagct | tccagtagtg  | ctttataatg  | tacctggacg  | cacaggagtc  | aatatgactg  | 1367940 |
| cagaaacaac  | tcttcgtctt  | gcccgtgact  | tcgacaatat  | tgtagcaatt  | aaggaagctt  | 1368000 |
| ctggtaatat  | tactcaaagt  | gatgatatac  | tcaaaaataa  | acctgctaatt | tttgatgtta  | 1368060 |
| tatcaggtga  | tgacggaatt  | acttttccgc  | tgattacatt  | aggagctgta  | ggagtcattt  | 1368120 |
| ctgtaatcgg  | aaacgcattt  | cctcgtgaat  | ttagccgtat  | gactcgttta  | gctcttgcag  | 1368180 |
| gagattacgc  | cagtgcctta  | tctattcatc  | atcagtttac  | agaattattt  | aaactgttat  | 1368240 |
| ttgtagatgg  | gaatccagca  | ggcgtaaaag  | ccatgccttag | tatgatggga  | atgataaaaa  | 1368300 |

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| ttttaaatga  | gctgaaagta  | aatgctgat   | tataaatatc | ttttcaagat  | aaaaataaaa  | 1368420 |
| gccagtagg   | taaaactatt  | gggcttttat  | ttttatagtc | tccttatatt  | ttataatcgg  | 1368480 |
| tattatgtt   | aattatatat  | aactaatgtt  | ccccctcatt | caagaaaata  | caaataacaa  | 1368540 |
| tcatcatagg  | aatgtaaaag  | tagcaaatgc  | tccctaaaaa | gcacttcaca  | agaggcgctg  | 1368600 |
| aaaataaaa   | tgtgctaagt  | atataactac  | ttgtgtgata | tcttggaagt  | tgaaaactac  | 1368660 |
| gaaaaatttc  | aagacaaaat  | tcatacttct  | tttcaagaaa | atccaaatga  | cttcaagttg  | 1368720 |
| aaataaaaata | ataaaggccg  | tcccaaattc  | attttgaaac | ggcctctaac  | aataactttt  | 1368780 |
| gtaagtctac  | ttataagtat  | tcaaattaca  | tagttaattc | tttttccaaa  | gcatcgtatt  | 1368840 |
| cagctttgtt  | taacttccag  | taaatattca  | acaaatactg | tccccacaac  | tgtctgttat  | 1368900 |
| caggcttcaa  | ttcttttagcc | ttttcgtaat  | taggcgcagc | tttctcgtaa  | agctctttta  | 1368960 |
| tttttgctc   | gttctcagca  | tatttcgggt  | catccataga | aatcttgctg  | ttttcttcaa  | 1369020 |
| caataagctg  | tgccgggaag  | aaatagcaat  | caccaatctt | agaatatgct  | tcagctacga  | 1369080 |
| aatcagaatt  | ctttgcaata  | atagaattaa  | atgttgcaat | ggctgcatca  | taatccttct  | 1369140 |
| tttcatattg  | cagtacaccc  | tttacgtaca  | agaaatacgg | agtttctgtt  | ttagccaaaa  | 1369200 |
| cctgatcgat  | ttcagtcaat  | ccgtcatcga  | ttctaccttt | ctggatataa  | tagtccatca  | 1369260 |
| agttaccgat  | aaaatattcc  | tgagtcggga  | atctttcagt | accttcttta  | atagtagcca  | 1369320 |
| accactgagt  | tgaatcagga  | ttttctccct  | taccataaac | ctcagccaag  | cacatcaaag  | 1369380 |
| ctctgtaacc  | ttcttccttg  | tgagattttc  | ctatagttgc | atatttgata  | acagcatctt  | 1369440 |
| tatcattcag  | agaatttgca  | gccaaagcag  | cataacatgc | aatcaacgga  | gtcaaagtat  | 1369500 |
| cgttcttaac  | agatgcttca  | tcttcaaaca  | taggattttc | ggcagcatct  | acatacaatc  | 1369560 |
| caaagaattt  | caatgcgtta  | gcatagtttc  | ctgaattata | agcatcagaa  | ccaccatttg  | 1369620 |
| tcaagttcgg  | acgaactata  | gccaatgtct  | ttgataatth | ctttctcaat  | ttaggctttt  | 1369680 |
| tcaattctcc  | actttttact  | tttgctgtt   | ctacttcatc | acattttagt  | taataactcga | 1369740 |
| acattttgat  | caggctgtta  | tacaacttcg  | atgtatctgc | ctgaccaccc  | ggcaaataaa  | 1369800 |
| gcttcatgtt  | ttcttcatcg  | tagattgact  | tctggaaatc | accagctaata | ttccatgttt  | 1369860 |
| caggatcatt  | agcagttgaa  | ggatctacca  | aagctggttc | aataatctgc  | gcagccttta  | 1369920 |
| cagggtcact  | ttttgcagat  | tttgcttctt  | ttacaacact | ttctgtgct   | gacacagcac  | 1369980 |
| atgcagtaag  | gaacaaagcg  | gtagtaataa  | atactttttt | cataactgtt  | tttttggtta  | 1370040 |
| gtaatacaaaa | tatattcaat  | ttattttatt  | ttgcttttct | tcaacagaat  | tttcttcatt  | 1370100 |
| aaaagattca  | ccttccacag  | aagcagaatt  | ttactatct  | gcatttctct  | cttccgtttc  | 1370160 |
| agatgtcact  | ttacatacag  | acccaatctg  | gtcgttacgt | ttctcgaggt  | cgatcagacg  | 1370220 |
| aacaccctgc  | gttgacgctc  | ccatgatacg  | gacatctgcc | acatgcaagc  | gaatcgttat  | 1370280 |
| acccgactta  | ttgataatca  | tcaaatacatt | ctcatccgtt | actgatttga  | tagccaccaa  | 1370340 |
| ttttcctgtt  | ttttcagtga  | tacttaatgt  | cttaacgccc | ttaccaccac  | gatttggctt  | 1370400 |
| acgataatct  | tcgatatccg  | aacgtttttc  | atatccattt | tctgaaatca  | ccataatggt  | 1370460 |
| ttccttcgca  | ggatctttga  | tgcaaatacat | tccgataact | tcatcagagc  | catcttcatc  | 1370520 |
| gagagtgata  | ccacgaacac  | ctgtagccgt  | acgtcccata | tgcgaggactg | cactttcgtg  | 1370580 |
| gaaacgaata  | gcgcggccgt  | tacgattggc  | gataacgatt | tcattattac  | cgttcgtcat  | 1370640 |
| gcggacttcg  | ataacccggt  | cgtcttcacg  | aattgtaata | gcattgacac  | cattctgacg  | 1370700 |
| aggacgagaa  | tactgttcga  | gcaatgtctt  | tttaatcacg | ccgttcttcg  | tacagaacaa  | 1370760 |
| tacatagtga  | ctattgataa  | actccgtatc  | gttcagattc | ttcacgcgca  | gataagcagt  | 1370820 |
| aactacatca  | tctgcatcga  | tattcaacaa  | attctggata | gcacgtccct  | tggaagtctt  | 1370880 |
| gttaccctcc  | ggaatttcgt  | acaccttcag  | ccagtaacat | ttacctttct  | gcgtaaagaa  | 1370940 |
| catcatggta  | ttatgcatag  | tcgctggata  | gatatgtca  | atgaaatcct  | catcgcgagt  | 1371000 |
| ctcactaccc  | ttcgatccta  | ctccccacg   | atgctgtgca | cggaactcag  | acaacggagt  | 1371060 |
| acgcttgata  | tatcccagat  | gagaaattgt  | aatcaccatt | tcatcgctcg  | cgtagaagtc  | 1371120 |
| ttccggattg  | aactcttcgg  | aagcatatac  | gatttcagaa | cgacgcttgt  | caccgtattt  | 1371180 |



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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
| ctccttcact  | tcaataagct | catccttgat  | aaccttcttg | cagagctcct  | cattcgtcag  | 1371240 |
| gatttcttcg  | aagtaagcaa | tctgcttcat  | cagttcttca | tattcagcat  | gcaactgac   | 1371300 |
| ctgcaaaagt  | cctgtaagct | gacgaagacg  | catttctacg | atggcacgag  | cctgaacttc  | 1371360 |
| agacaactgg  | aagcgatcca | tcaaattagt  | aatagcctca | ttcggagttt  | tcgcagcacg  | 1371420 |
| tatgatacgg  | ataacttcat | caatattatc  | ggaagcaatg | atcaatcctt  | ccaagatatg  | 1371480 |
| agcacgttcc  | tttgccttac | gcaaatacata | ctgtgtacgg | cgaataacca  | cctcgtgacg  | 1371540 |
| atgttcaaca  | aacagacgaa | tcaagtcttt  | caggttcaac | aacttcggtc  | ttccatgtac  | 1371600 |
| caaagcaata  | ttattcacc  | cgaagaagt   | ctgcaaggcc | gtcatcttga  | acaacttatt  | 1371660 |
| caatacaacg  | cttgcatgtg | catcacgttt  | cacatcgatc | acgatacgca  | taccctcacg  | 1371720 |
| gtcagactca  | tcgttcacat | acgaaatacc  | ttctatcttc | ttttcgttca  | ccaaagccgc  | 1371780 |
| gatactttca  | atcagctcct | tcttgtttac  | gttataagga | atctcgttta  | cgatgatctt  | 1371840 |
| gtcatgagta  | ggatgcgatt | cgatttccgt  | cttggcacgc | ataaccacac  | gtccacgtcc  | 1371900 |
| ggtttcataa  | gcatcgcgca | ccccgctgat  | accataaata | tatcctccgg  | tcgggaaatc  | 1371960 |
| gggagccttg  | atgtaatgca | tcaggccgtc  | tatatcaata | tcattattat  | caatgtaagc  | 1372020 |
| aacacatgca  | tctatcacct | ccgacaaatt  | atgtgtcggc | atgttggtag  | ccatacccac  | 1372080 |
| ggcaataccc  | gaagcaccat | taaccaaag   | gttaggaata | cgtgtaggca  | tgacagtagg  | 1372140 |
| ttcctgcaat  | gtatcatcga | agttgttcgt  | gaagtcaaca | gtttccttat  | agaggtcctg  | 1372200 |
| catcatatcc  | tcgccgatct | ttttcaagcg  | cgcttcagta | taacgcatgg  | cagccggact  | 1372260 |
| atcacctgca  | acagaaccaa | agtttcctg   | tccgtcgacc | agcggatagc  | gcattgcca   | 1372320 |
| atcctgtgcc  | atacgaacca | gtgctccata  | cacggaagag | tcaccgtgcg  | gatgatattt  | 1372380 |
| acctaaaact  | tcaccaacga | ttcttgctgc  | ttttttatat | ggcttgctctg | aagtgtttcc  | 1372440 |
| cagttccatc  | attccgtaca | agatacggcg  | atgaacgggt | ttaaagccat  | ctcttacatc  | 1372500 |
| cggaaggcg   | cgagcaacga | ttactgacat  | agagtagtcg | atgtacgact  | ttttcatttc  | 1372560 |
| ctcctcgatg  | ttaattttta | ttattctgtc  | ttgttcttgc | attgaaacaa  | aatttagttat | 1372620 |
| tatttagatc  | tctctggctt | attaaaaacc  | acgctaaagt | acgacatttt  | attgaattgg  | 1372680 |
| caaaaaaaat  | gccaaagtgt | tagccttcct  | gccccagttg | cccctatcct  | atccgtgcaa  | 1372740 |
| ccttatcggc  | aaaactttgt | tatacatgaa  | aacgatgctc | aacaggcaaa  | atatcagaag  | 1372800 |
| taaaaggaac  | ccgatgtttt | acttgcgaaa  | taccattcct | ggtatgaaaa  | gtataatctc  | 1372860 |
| tttggcatga  | tttttgtaa  | atagaaagaa  | agaacttaat | catattattt  | atataatgta  | 1372920 |
| tctttgcaaa  | aagaaagtgt | tttaggaaga  | aactcaaatt | tatgaacaac  | ccattttcac  | 1372980 |
| aaagaatatc  | cgatgtaata | caattcagca  | aagaagaggc | aaaccggtta  | cgtaacaact  | 1373040 |
| atatcggtcc  | cgaacatttg | ctgttgggaa  | ttattcgcg  | aggcgaagga  | aaagctgtcc  | 1373100 |
| agatatgga   | gagcctgtat | gtggatttga  | aaaaagtaaa | aaaagaaata  | gaagatgaat  | 1373160 |
| tgaaattgac  | agccgaagtt | tccgacaatt  | actcagaaga | aataacattc  | aatgagaaag  | 1373220 |
| cttcaaaaat  | attgaaaatg | agtatcctgg  | agtcgagaat | gctgaaaagc  | ccgaccacag  | 1373280 |
| ataccgaaca  | catgttactg | gctattatga  | gagaaaatca | gaataaagcc  | tcgcagattc  | 1373340 |
| tggaagaaaag | cgaggtgaca | taccaaaggg  | taatggataa | actcatccc   | aaggcagaac  | 1373400 |
| cgcaaagcgg  | actggatttc | ggcgaggagg  | aagaagatga | ggatgaaggc  | atccgccgcc  | 1373460 |
| agccgacagg  | caacggcgag | ggctctcctt  | tctcacaga  | atccagatcg  | accactcgta  | 1373520 |
| cccagcaaca  | aaagcctaac | aatgacacgc  | ctgtactcga | ctcattcggg  | accgatatga  | 1373580 |
| caaaggctgc  | catggaaggc | aagctggacc  | cgattgtggg | acgtgaaaag  | gaaatagaac  | 1373640 |
| gactggcaca  | gattctgagt | cgccgcaaga  | agaacaatcc | gattctgatt  | ggagaaccgg  | 1373700 |
| gtgtcggaaa  | atcggcgatt | gtggaaggac  | ttgccctgcg | tatcatcgag  | aagaagggtat | 1373760 |
| cgcgcatctt  | gttcgacaaa | cgtgtggtag  | cgctcgacat | gacggctgtt  | gtagccggta  | 1373820 |
| ccaaataccg  | cggacagttc | gaagagcgta  | tacgcgccat | actcaacgag  | ttgaagaaga  | 1373880 |
| acccgaacgt  | cattctgttt | atcgatgaaa  | tacacaatat | cgtaggagcc  | ggttctgcgg  | 1373940 |
| ctggttccat  | ggacgcagcc | aacatgctga  | agcctgctct | ggcacgtgga  | gaaatacagt  | 1374000 |
| gcacgcgtgc  | aacaaccctc | gatgaatacc  | gtcagaacat | tgagaaagac  | ggtgccctgg  | 1374060 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
| aacgacgctt  | ccagaaagtc  | atcgtcgaac  | cgaccactcc | ggaagagaca  | ctccagattt  | 1374120 |
| tgcagaacat  | caaggataag  | tacgaggaac  | atcataacgt | tacttatacc  | gacgaagcac  | 1374180 |
| tacaagcatg  | tgtcaaattg  | acagaccggt  | acattaccga | ccgtaacttc  | cccgataaag  | 1374240 |
| caatcgatgc  | aatggatgaa  | gccggctcgc  | gcgtacattt | aaagaatatc  | aacgttccga  | 1374300 |
| aagaaatcga  | ggaacaggaa  | cggatgatag  | acgaggcacg | caaccacaag  | aacgaagcgg  | 1374360 |
| tacgcttgca  | ggacttcgaa  | ctggcagcca  | gcttccgcga | ccgtgagaaa  | tcgctgatga  | 1374420 |
| gtgaactgga  | tgacatgaaa  | cgctgctggg  | aagaaagtct | gaaggaaaac  | cgggaaacag  | 1374480 |
| tggacaagga  | tcagattgcc  | gatgtagttt  | ccatgatttc | aggtattccc  | gtacagcgca  | 1374540 |
| tggctcaggc  | cgaaggatc   | cgtctgagag  | gcatgaaaga | gcagctgctt  | tctaagggtga | 1374600 |
| ttgcacagga  | caaggctgtc  | gatacgctgg  | taaaagccat | tcagcgaagc  | cgtgtggggac | 1374660 |
| tgaagatcc   | gaacaagccg  | attggtactt  | tcctgttcct | tggtcctacc  | ggtgtgggaa  | 1374720 |
| agactcatct  | ggcgaaagaa  | cttgccaaac  | agatgtttgg | ttcgcccgac  | gcgctgattc  | 1374780 |
| gtatcgatat  | gagtgaatac  | atggagaaat  | ttaccgtgtc | gcgactcgta  | ggagctcctc  | 1374840 |
| cgggatacgt  | gggttatgaa  | gagggcggac  | agctgaccga | gaaagtacgc  | cggaaaccct  | 1374900 |
| actccatcgt  | attgctggac  | gaaatagaaa  | aagcacattc | cgatgtgttc  | aatctgtttg  | 1374960 |
| ttcaggtaat  | ggatgagggg  | cgtctgactg  | acagttatgg | cagaaccgta  | aacttcaaga  | 1375020 |
| atacggatcat | catcatgact  | tcgaatatcg  | gaacccgaca | gctgaaggaa  | tttggcaagg  | 1375080 |
| gtatcggttt  | tgcagctcag  | acccgtaccg  | acgacaagga | atattctcgg  | agcgtcatca  | 1375140 |
| cgaaagcgct  | gaacaaatcg  | ttcgctcctg  | aatttatcaa | ccgtctggac  | gagatcatta  | 1375200 |
| cgttcgacca  | gctcgacatc  | gaagtcttga  | ctaagattat | cgaatatagag | ctgaaaggat  | 1375260 |
| tatacgaacg  | cattgaatct  | ctgggatata  | agctggttat | cgacgacgaa  | gccaaacggt  | 1375320 |
| atgtggcatc  | gaaaggctac  | gatgtacaat  | ttggtgcacg | tccgttgaaa  | cgttctatcc  | 1375380 |
| agaacaatct  | ggaagacgga  | ctggctgaac  | ttatcttgaa | tgaagatccg  | cagccgggag  | 1375440 |
| ataccatcca  | tgtcggcatg  | aatccggaag  | gaaacggact | gaagatggaa  | attgtaaaat  | 1375500 |
| aaaggaacaa  | gacgggttatg | caacaacccg  | aatacagaca | aaatgtcagg  | cggaaacggt  | 1375560 |
| tggcattttt  | tttgtcacia  | attcactgct  | ttctaagcaa | gaaacaaaat  | aataaaaata  | 1375620 |
| aatataatga  | ctatgcaaaa  | aggtaatat   | ggggtaacga | ccgagaatat  | cttccccatc  | 1375680 |
| attaaaaaat  | tcttatatag  | cgaccacgaa  | atatttcttc | gtgaactggg  | ttcgaatgca  | 1375740 |
| gtcgtatgcaa | cacaaaaact  | gaaaaccctt  | gcttctaccg | gcgatttcaa  | gggagagtgt  | 1375800 |
| ggcaatctta  | ccatccatgt  | taaggctgac  | aaggatacta | tcaccatctc  | cgaccgtgga  | 1375860 |
| ctgggactga  | ctgcagaaga  | aatagaaaaa  | tatatcaacc | agatagcttt  | ctcaggagcc  | 1375920 |
| aacgatttct  | tggagaaata  | caaggaagat  | gcaaatgcc  | tcacgagaca  | cttcggactg  | 1375980 |
| ggattctatt  | cagccttcat  | ggttgccaag  | aaagttgaaa | tcgtaactcg  | ctcttataaa  | 1376040 |
| gaagatgcga  | aagccatgaa  | atggagtgtc  | gacggaagtc | ctgagtttac  | aatggaagaa  | 1376100 |
| accgaaaagg  | cagaccgtgg  | tacagatatt  | atcctgtata | tagacgatga  | ttgccgtgag  | 1376160 |
| ttccttgaac  | cttcacgtat  | tcagggtttg  | ctgaacaaat | actgccgctt  | cttgccgtgt  | 1376220 |
| ccggtagctt  | tcggaaagaa  | gaaagaatgg  | aaagacggca | aacaggtaga  | tacagacgaa  | 1376280 |
| gacaacatca  | tcaacagtac  | ctgccctatc  | tggacaaaga | aaccgagcga  | actgaaggat  | 1376340 |
| gaagactaca  | agcagttcta  | tcgtgatctg  | tatccgatgt | cggacgaacc  | gttggttctg  | 1376400 |
| attcatctga  | atgtagacta  | tccgttcaac  | ctgacagggt | tcctctatct  | cccgaataatc | 1376460 |
| aagagcaaca  | tcgacttgca  | gaagaacaaa  | attcagttgt | actgcaacca  | ggtatatgtg  | 1376520 |
| acagattcgg  | ttgaaggcat  | cgtacctgac  | tttttgacat | tgcttcacgg  | cgtcatcgat  | 1376580 |
| tcaccggata  | ttccgctgaa  | cgtatctcgt  | tcttacttgc | agagcgattc  | gaatgtaaag  | 1376640 |
| aagatttcta  | cttacatcac  | caagaagggtg | gccgaccgct | tgcaggctat  | cttcaagaac  | 1376700 |
| gaccgtaagg  | aatttgaaaa  | caaagtggac  | gacctgaaga | ttttcatcaa  | ctacggtatg  | 1376760 |
| cttacacagg  | aagacttcta  | cgaaaaagcc  | agcaagtttg | ccttgttcaa  | agatacagac  | 1376820 |
| agcaagtatt  | atactttcga  | agagtatcag  | acactgatta | aggacaacca  | gaccgacaag  | 1376880 |
| aacggaagcc  | tgatttatct  | gtatgccaac  | aacctcgacg | agcagtatac  | atacatcgat  | 1376940 |

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| gctgccaaaga | gcaaagggtta | caatgtcttg | ttgctggacg  | gacagctaga  | tgttccgatg  | 1377000 |
| atcaacatgc  | tggaacagaa  | gtttgaaaag | agtcacttca  | ctcgtgtgga  | cagcgatgta  | 1377060 |
| atcgaccgtc  | tgattgtaaa  | ggaagaccag | aaaagtgaag  | aactggcaga  | caccaaactg  | 1377120 |
| gaaattctgt  | cgactgtctt  | cagtggtcag | ttgccgaaag  | tccaaaagac  | tgagttccat  | 1377180 |
| gtagaaacac  | aggcaatggg  | cgaaacagcc | gctcctatcg  | tcatcacgca  | ggccgaatac  | 1377240 |
| atgcgccgta  | tgaaggaaat  | ggcaaatatc | cagccgggta  | tgagcttcta  | cggtgaaatg  | 1377300 |
| cctagcatgt  | tcaacctggg  | tctgaacagc | gatcaccgac  | tcatcaagca  | agtattggaa  | 1377360 |
| gatgctgaat  | ctgcttgctc  | agagaagctg | gttccgggtg  | aatcggaaat  | tgccatgctg  | 1377420 |
| aaactgcgtg  | aaaacgaact  | tcacaaagct | cacgagggca  | aaaaagatga  | agaaattccg  | 1377480 |
| actacagaaa  | aggatgaact  | ccacgatgta | gaaaagaaac  | tcgacgagca  | gaagaagcag  | 1377540 |
| aagactgaca  | tcatcaacga  | atatgctgcc | ggcaacaagg  | tagtacatca  | gttgattgac  | 1377600 |
| ctggcattgc  | tgcaatacaa  | catgctgaaa | ggagaagctt  | tgactaactt  | cgtaaaacga  | 1377660 |
| agcatcgaac  | tgattttaaag | tttttctcca | taaaaattaa  | ttatacccca  | acgccggacg  | 1377720 |
| aaaccatatg  | cttcgcccgg  | cgttttttta | tgccgaccag  | atgcaggata  | atgtattcac  | 1377780 |
| ctgttcatca  | tgccccgaaa  | tcgtagaaaa | aacctcagca  | tcttttttca  | gaatttgtac  | 1377840 |
| aaaaacaatt  | tttttttgta  | caaaaaagca | agcatatctg  | cgggacttcc  | ctccatattc  | 1377900 |
| ccttcggcct  | ctaaaaaaag  | aaaggcatgt | ttttcctgaa  | actcaattgt  | atgtgccgtt  | 1377960 |
| ttccttgtag  | aagaaatagt  | ttttttctat | ctttggtttt  | atatcttacc  | aataaactcc  | 1378020 |
| gattaatgaa  | aaaaatacta  | tatattcttt | tcctcttcat  | ctttctgaca  | cataccagca  | 1378080 |
| atgccagaaa  | agtaggactc  | gtattgagcg | gaggaggtgc  | caaaggactg  | actcacatag  | 1378140 |
| gtatcatcag  | ggcactggag  | gagaacaata | ttcctatcga  | ctatattgcc  | ggtacatcca  | 1378200 |
| tgaggagccat | cgtaggctca  | ctctatgcca | tggggatttc  | tcccagacgat | atggaaaagt  | 1378260 |
| tgctcaagtc  | ggacgacttc  | aaacgctggg | acaccgggaa  | tattgaagaa  | aaatacatct  | 1378320 |
| attacttcaa  | aagaaatcct  | ccgactcccc | aatttctcaa  | catccgcgtt  | tctctgaaaa  | 1378380 |
| atccactgca  | caaggtaaag  | acgcagttcc | tgccgtcgag  | cgtagtagac  | cctctgcaaa  | 1378440 |
| tgaatcttgc  | ctttctcgag  | ctgttcggac | aggctacggc  | tgcatgagac  | aacaactttg  | 1378500 |
| acaagctttt  | tattcctttc  | cgctgtgtcg | cgctcgacgt  | atacaacaag  | aaaccgatga  | 1378560 |
| tttttgacaa  | gggcgatctg  | ggtgatgccg | tccgtgcctc  | catgagtttt  | cccgggtatg  | 1378620 |
| tcaagcctat  | cgagatagat  | tctacgctgg | tatacagatg  | cggaatatac  | aataactttc  | 1378680 |
| ccgttaacgt  | catggtaaac  | gacttccatc | cggatgtcat  | tataggaagt  | gtggtaagtt  | 1378740 |
| ccaatccggg  | aaagcccaag  | gagggagaca | tcatgggaca  | gctggaaaac  | atgattatgc  | 1378800 |
| agaaaacaga  | ctactcgctg  | cccgattcac | tgggcattct  | gatgactttc  | aagtacgatg  | 1378860 |
| acgtcagctc  | gatggatttc  | gaccgtttcg | acgaactgca  | cgacaacgga  | tacaagcgta  | 1378920 |
| ccatgcagct  | gatggattcc  | atcaaggcac | gcattccgcg  | ccgtgtcaac  | taccggcagc  | 1378980 |
| tcgaactgaa  | aagaatcgcc  | tataagaaaa | acatgcccgga | gcttcgtttc  | aaggatatag  | 1379040 |
| ccatacaggg  | cggcagcgaa  | caacagaaaa | gatacatccg  | ccgggaattt  | catgcttcgg  | 1379100 |
| accacgaaac  | attctcgctg  | gaagacctgc | gtaaggggta  | tttccgcctg  | atgtccgaca  | 1379160 |
| acatgatttc  | cgaaatcatt  | cctcatgccc | tctataatcc  | gtctgattct  | acgttcgacc  | 1379220 |
| tccacctgaa  | ggtcaagatt  | gaagacgact | tgtcgctccg  | tgtaggaggc  | aacgtgggct  | 1379280 |
| caaagtgtgc  | caaccagatt  | tatgtgggag | caacttatca  | taacctgaat  | aacttctcga  | 1379340 |
| aagaaatctc  | actggatgga  | cagttgggac | agatctacaa  | caacctgcaa  | atagcaggcc  | 1379400 |
| gtattgactt  | ccctacccat  | attccgactt | ctttccgact  | ggtagcatcc  | acttcgtcgt  | 1379460 |
| tcgattactt  | caagcaggaa  | aagctcttca | ccaagggaaa  | ctcaccggta  | tttaataaaa  | 1379520 |
| agaaaagagca | ctttgtaaag  | ctgctagttt | cactcccctt  | ccttacacgg  | cagaaaagccg | 1379580 |
| aattcggaat  | cggcatcgga  | aaacttcagg | atcagtattt  | ccagagcaat  | gtcatcgact  | 1379640 |
| ttaacaacga  | ccagaatgat  | atcagcaatt | atcgaatatt  | cggcggttcc  | gtggccatgg  | 1379700 |
| acggaaaatac | actgaacagc  | aaacaatatc | ctactgccgg  | acgccgagaa  | cggtcggtag  | 1379760 |
| ctaatatctta | tacaggaaaa  | gagtatttcc | agagcggatc  | ggctcccgat  | ccttatgaag  | 1379820 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gtacatacag  | ttatgtgcag  | tcgtggctgc  | aactctcgtg  | tgaaatggaa  | cgttattacc  | 1379880 |
| cgatttccac  | aaagttcgtg  | ctggggaact  | atattcatgc  | ctactattct  | tcccgttaact | 1379940 |
| tcagtcagaa  | ctatacggca  | acgatgatgc  | aggctggaga  | atttgctcct  | acggctcaca  | 1380000 |
| gcaaaatcac  | atacaacgaa  | gctttccgtg  | ccaatcagtt  | tatcggagcc  | ggcattatgc  | 1380060 |
| caatctatca  | gatcactccc  | gtgttcata   | tcagaacgga  | aatttatggc  | tttgctccta  | 1380120 |
| tttttccgat  | agtgtgcaat  | gaagattcga  | aggcatccta  | cggaaaactc  | ttcagccgga  | 1380180 |
| tagaatatat  | gggagaattg  | tcgcttgtag  | tgaaacttcc  | cttcggggca  | ataagcgctt  | 1380240 |
| atctaaatca  | ctatagctca  | ccagctaaga  | actggaatgt  | aggccttaca  | ctgggctggc  | 1380300 |
| agatatattg  | atcgcgattt  | atcgaataaa  | aaagtttagca | aaaataacctg | caaagatttg  | 1380360 |
| gaagtttcg   | aaaaactcca  | tacctttgca  | cccgttaaga  | aaaaagacat  | ggccgcgtag  | 1380420 |
| ctcaactgaa  | tagagtagct  | gactacggat  | cagccgggta  | cagggttgaa  | tcctgtcgcg  | 1380480 |
| gtcactcttt  | atttcctgac  | taaaaatgaa  | gaattggtcg  | cgtagctcaa  | ctgaatagag  | 1380540 |
| tagctgacta  | cggatcagcc  | ggttacaggt  | ttgaatcctg  | tcgcgatcac  | tcttcgagat  | 1380600 |
| tgaaatattg  | aaagaattgg  | ccgcgtagct  | caactgaata  | gagtagctga  | ctacggatca  | 1380660 |
| gccggttaca  | ggtttgaatc  | ctgtcgcggt  | cactcttctt  | tattgaaaca  | ttaaaaacca  | 1380720 |
| ttggccgcgt  | agctcaactg  | aatagagtag  | ctgactacgg  | atcagccggt  | tacaggtttg  | 1380780 |
| aatcctgtcg  | cggtcacaaa  | aaagccttca  | ctttttcaag  | tgagggcttt  | tctgttatgt  | 1380840 |
| atctccaccc  | tatcaaaagg  | ccgggtctga  | ttctcttcag  | aaatgcaggt  | ttctctgctc  | 1380900 |
| tataaacctt  | ttatttgatg  | atcagaatcg  | gtgtattgga  | atggaagagc  | atcttgcggtg | 1380960 |
| cgatactagg  | attaaacaga  | cgagcaaaga  | tggtgcgtct  | gtagtttgaa  | gtacatatca  | 1381020 |
| catcgatacc  | attatcttgt  | acaaatttat  | ccagattgcc  | caacagatgt  | tcctcgtcga  | 1381080 |
| tgttcagata  | cgtaaactca  | agttgcggat  | attgcttctt  | gaaatactcc  | ttgataacctg | 1381140 |
| ccagttttat  | ctcgtttccat | gtacgtttct  | cttcgtggga  | gtttacatga  | atgaatgaaa  | 1381200 |
| cctcaaaactg | gttgtctttg  | aaagtcgtaa  | tcagtgaatc  | gaatgcaatc  | aggtcacgct  | 1381260 |
| ggtcgaagct  | ggtgaacatg  | gcaattttac  | gaatgtcctt  | caaagatttt  | tttggggcat  | 1381320 |
| tttcgggtat  | agcatataca  | aaagagcggc  | ttcgttcaat  | tacttcggcc  | gtaacgcttc  | 1381380 |
| ctatcaagtc  | caagtccttc  | tggtgctctc  | cacgggttcc  | cataaccacg  | ataagaggct  | 1381440 |
| tttctgacg   | gatataatat  | agaatctctt  | cttcgggat   | accttcacgc  | aaaacgcagt  | 1381500 |
| tatatctcac  | gtttggatac  | tctccttttt  | ctatcttctc  | ggctacatcc  | ttcgaaagtt  | 1381560 |
| gattcaactg  | cttggttcacg | ttttctatca  | ttcctcttat  | agtcgttgca  | tcgtgtgccg  | 1381620 |
| aaggaatatg  | ataattctcc  | gtatcatatt  | gcagagtggg  | tatatataata | ggagtaaaat  | 1381680 |
| gaacatgcaa  | gagtactact  | tccgcatgca  | tgcgcaagc   | tacatcgaaa  | ccaaagtcac  | 1381740 |
| atgcctttaa  | ggaatagtta  | gaaaaatcta  | ccggaaccag  | tacttttaggc | acctcttccg  | 1381800 |
| atttggaatc  | tgccgatttt  | tcatccagaa  | cttcagtcga  | taaccaggaa  | gaactttcga  | 1381860 |
| taatcttcaa  | ggcacggggc  | aggtcacttt  | ccttaatacg  | tacccttact  | cccgatgaaa  | 1381920 |
| tgacgggctg  | aataaggttt  | acattatgta  | tgtacgattc  | aattccttcg  | ctttcgagta  | 1381980 |
| cagattttcag | tatctgtgcc  | ttcgaataag  | tcaggatggc  | tagtgtaata  | agtttatctt  | 1382040 |
| cttccatagt  | tcaaagtttt  | aaaaggtttc  | acatatataaa | gaggctacta  | cgaatattaac | 1382100 |
| aaaaaatcct  | aatcagtaaa  | aaccataaccg | attaggattt  | tgacacttat  | tttcagcttc  | 1382160 |
| aggctgtttg  | ttctttcaga  | atttctattg  | ctttatcgag  | tacggtcgta  | tcgtcgagca  | 1382220 |
| ttaccaaacc  | gccatccggt  | cccggttcca  | gatgaatacc  | cacgctcttg  | ccgtccttaa  | 1382280 |
| aattatgtcc  | gccaaagaaa  | ttgcgtacgg  | tttctacgct  | taagttcaat  | tcatcggcga  | 1382340 |
| tgcgatgcat  | gcttccactg  | ggtaatgaat  | cttttatttt  | tcggagttca  | ttgaagggtta | 1382400 |
| tcgttctatt  | catagtaatc  | aaaattttaa  | gtgttagaca  | aaactttcgt  | taattcacga  | 1382460 |
| tataaatgta  | atgaaagaaa  | atgaataacc  | caacaaaaaa  | ttaacttttt  | tacgctattg  | 1382520 |
| cccgtattct  | gttcagaata  | agttggaac   | gaccaaagcc  | gccataacag  | cataaaaaata | 1382580 |
| tgtcagcaac  | aatactgtat  | gaaatatagc  | gatatccgta  | acttcgaaac  | ctgtcaagggt | 1382640 |
| atactggccg  | gaaacatact  | gaggttgttc  | aaaatatctc  | ttgcggataa  | atgtataaag  | 1382700 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| ccaatagaca | agcgaagcga | tgatgcaacc  | agcagccgca  | ccgcaaacga  | tatctcccgg  | 1382760 |
| atagtgtact | cccagatata | tgcggaata   | cgacaaaagc  | aaagcccaga  | taaactgtgt  | 1382820 |
| cattgtcatc | caccggctgc | gtataagcag  | tgaataaag   | gtagccaaag  | caaactgtatt | 1382880 |
| ggcagcatgg | ctcgatataa | atccgtacag  | acctccccga  | taaccgttga  | caacatgaac  | 1382940 |
| catatacatg | atttcagggt | cctggggcgg  | acggaaacgc  | ataaagaaag  | gcttgcagaa  | 1383000 |
| gccagaagaa | aactggtcgg | caagcgatc   | actcagggca  | atcattacga  | gaatcagaag  | 1383060 |
| tccctgagta | aatttggtat | tcttgaatat  | gacatacagc  | agcactgcgg  | caaccggaat  | 1383120 |
| ccatatttta | gtgccggata | caatccacat  | aaacccatcc  | caaaacatag  | aatcgcttcc  | 1383180 |
| gttcaaggct | aataacagat | tttggtctgc  | ctcaataagc  | tgctgtatat  | caatcataaa  | 1383240 |
| tgttttatat | tagggaagac | atcagataac  | ttctatggct  | gaaacaggaa  | gccatccctt  | 1383300 |
| ttttccgtct | tccagccgga | tttccttcca  | gcctttcatt  | gaattatctt  | cgatgtaaac  | 1383360 |
| cttcgtgcct | tcgtgcagaa | caaacaagtc  | tgtaccgctt  | tcgttcgggg  | tacttttaac  | 1383420 |
| ggtaatgctc | ggcgacatga | cgatcgctcc  | tgtacggttc  | agcagttcgt  | ctttttgttc  | 1383480 |
| actagcaaag | atattcgac  | acacggctac  | caccagaaat  | actactgctg  | aaatgaaacc  | 1383540 |
| aatcttcttg | agaacaattc | tgtttccaaa  | aatatacaat  | gccattccag  | ccagcagaag  | 1383600 |
| gaggaaggaa | acaatgcctg | tagttcccca  | tccgctttca  | ctcatgcagt  | taatcaacga  | 1383660 |
| attgatccat | gtcacgataa | acacttcact  | ggtaggagta  | acctggtcta  | cagtcttact  | 1383720 |
| tcttgccata | tccagattga | agcggatata  | tgcatcaccc  | ggattcatca  | gcaatgcccg  | 1383780 |
| ttcgtagtcc | aagacagcct | tggctatatt  | tttattctta  | taataactgt  | tgcccagatt  | 1383840 |
| ataatatata | gccgccgatt | ctccttccga  | acttaaaatt  | gcttcatatt  | tctcaattgc  | 1383900 |
| atcagcaaac | ttgttttcct | gataatcctt  | gtcggcctcg  | gcttttgata  | ctgttgccga  | 1383960 |
| agtgaactgg | accaaaccac | tcaggaacgc  | aattagtata  | gatagtcttt  | tcatatcaat  | 1384020 |
| atggttcttc | tgtctgtttt | taatgtttga  | tattattctc  | catttttactg | atagcttcta  | 1384080 |
| ccgatgtggg | atatacctta | tccattgcct  | cattttcatc  | tcccggagcg  | tagcgggcaa  | 1384140 |
| attcacattc | gttcaaggca | ttgataaagt  | cttttatcac  | atcgtctgcc  | acaccatatt  | 1384200 |
| tggtcaattc | ggcttcgata | ttgtctttcg  | agagctgtga  | aaccggaatg  | ctcagtttat  | 1384260 |
| cgctgatgta | tccccacagg | gctttcaata  | cttcacgta   | aaactcgttc  | ttgcggtttt  | 1384320 |
| cagccaacag | ctttccggca | agtttcatac  | gcttagtcgc  | taccttattg  | gctttcttgg  | 1384380 |
| ttttcacttt | tgctacattt | gcattttcag  | cagcttgctt  | gcggaagaaa  | acaaccagcc  | 1384440 |
| ctacaaacag | tacgaacggt | ataatatacc  | acaataata   | acctactgtg  | caaagaata   | 1384500 |
| catcaccttt | cggcatcaat | ttcgatcac   | ccagcttgat  | aaaacggata  | tcttgtccca  | 1384560 |
| gtaccttgac | attttccttg | ttggtaaagt  | cggcaataac  | ctgatcggca  | tttccctgac  | 1384620 |
| ctttggcaac | attgatgtta | taggcctctg  | tcttcaatgt  | tttataagag  | tttgacttca  | 1384680 |
| agtcgaagta | agtaaactct | acaggaggt   | tcgtaaagtt  | tccggcatga  | cgcggtatag  | 1384740 |
| ccagatatcc | aatggctctg | gtgccactca  | gtcctgcacg  | tgaagcttca  | aagttgtttg  | 1384800 |
| tcaccttcgg | atcgtaacac | tcgaaatctt  | cagggaattt  | cacttccgga  | gtactgataa  | 1384860 |
| gcttcatgtt | tcccgatccg | ctgattgtga  | gctttatcgt  | tacggcatcg  | tttgtcttta  | 1384920 |
| catcctttgc | attgatggaa | gaagcaagtg  | taaactctcc  | tacaccacct  | gagaagtttg  | 1384980 |
| ctggcttggc | aggaagtggc | tgaacgttaa  | tggtcagttt  | aggagtaaca  | atctttttct  | 1385040 |
| taacttcctg | gtaacctcct | ccgttaaaga  | atgcatcaaa  | cggatcatcc  | gatactgtct  | 1385100 |
| gtatcgcaac | tactccttcg | aaggtaatgg  | aaggaaatctc | cagcttacc   | gtctgttgcg  | 1385160 |
| ggaacaatac | atactggctc | cacaccgtcg  | tggtatagtt  | acgtcccttg  | taatgtctta  | 1385220 |
| acgagaaaag | cttctgctgg | ggcaactcaa  | tctcttgtgt  | atggaaaccc  | ttcaaactcg  | 1385280 |
| gcatctttcc | aaacaactga | cgaagggtga  | ccaatgtata  | taccttatata | gtcagcaata  | 1385340 |
| tagcttcctg | ctcgtgtacc | gttgctttgc  | tggtgttagc  | agttataaac  | aaatcattgc  | 1385400 |
| tcgtaatccg | tccgcttgca | gcctgggttac | cagcctgtgc  | accacttttc  | tgactgccct  | 1385460 |
| tacttcccga | agccgactga | tcaggaggaa  | gtacctttat  | cgtaacagca  | ttagaaaaaa  | 1385520 |
| tcttttcgcc | gtttgcctca | atgcttgacg  | ccggaatcgt  | ataagttcca  | gcattctcctg | 1385580 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| ccatcagaat | ataggtatac  | gtaatggaac  | tgcttgatga  | tacttttcca  | ttaataatct  | 1385640 |
| gcgtactgct | ttgctgggaa  | cggcttggtc  | ccatcaaaac  | atcaaattccc | ttggttatgg  | 1385700 |
| aaggagcacg | aaaatctttc  | accttctgtg  | tattgaccgt  | aaatgtcagg  | cggaactgat  | 1385760 |
| ctccgcttac | aaccacatca  | ggtgcatcgg  | ctgttaaagt  | agccttggtta | tctgcccatg  | 1385820 |
| catgtactgt | agtaagaatc  | aacagtagaa  | agaaaataac  | ttttctcatc  | attcctctat  | 1385880 |
| atcattttat | tattattcac  | ttttaattac  | cagtcttttt  | ccaacttacg  | gccttggtacc | 1385940 |
| tgaacagctt | ttttcacttt  | gtcctgtacg  | ttcttttcat  | cctgcatggc  | agctttcagc  | 1386000 |
| agttgttctg | catttttcctt | cgacatttgg  | ttctggttct  | gttgttgctg  | ctgctgattg  | 1386060 |
| ttctgctgct | ggtccttctt  | atcttgatct  | tgctgggtctt | tattctgctg  | tttatcgctc  | 1386120 |
| tgcttctgat | cttgcttctg  | gtccttattc  | tgattttggg  | tctgctggtg  | ctgatccttc  | 1386180 |
| aactgttttt | gcgccaacgc  | cagattgtaa  | cgggtttcat  | cgctccttcg  | attattttctc | 1386240 |
| aatgcctgct | tatatgcttc  | tataactgc   | ggcaattggt  | ttgatgactg  | caaaatcact  | 1386300 |
| cccatattat | gataaatctg  | agccagcttg  | ttcttgtctt  | tttcaatccg  | tgatgcagcc  | 1386360 |
| tcgtattgct | ccattgcttc  | ttttgctttc  | tgctgcatca  | acagagagtt  | acccagatta  | 1386420 |
| tacatcgcat | ctgtcgattt  | cggctccagt  | tccagagcct  | tacggtaatc  | gacttctgcc  | 1386480 |
| tttacaacg  | tactgtcttt  | atatagtttg  | tttccactgc  | gcaaataatc  | acgctccggt  | 1386540 |
| ttctgcccgt | atacagcaac  | cgatacgaac  | atcagtccca  | acatcacata  | ttttttccgc  | 1386600 |
| aacataaaat | caattctgtt  | taaagagttt  | tatatctctg  | aaaagtggat  | ttttacgttc  | 1386660 |
| caataacatc | aggtcgaccg  | ccagcagaac  | cagcgcaagc  | caagccagta  | cttgaaactg  | 1386720 |
| ttcatcaaac | tcagtaaaga  | cttgagtttc  | cacatcagcc  | ttagccaact  | tattttatttc | 1386780 |
| agcattcaaa | gctcgttccg  | cattattggt  | attgtcaacc  | cgcacgtaca  | ttccgtttcc  | 1386840 |
| agctttcgca | atctcctgac  | acatctgctc  | atttaagcga  | gtaacaatga  | cattaccgtc  | 1386900 |
| tttatcacga | cgaaattcgt  | ttgtgccttc  | ggctgggtatc | ggtgaaccat  | cgggtgaacc  | 1386960 |
| aactcccaag | acaaaaaccc  | gaatgccttt  | cttggctgct  | tcctgtgctg  | cttcaacggc  | 1387020 |
| tcctccttca | tggttttcac  | catcagtaat  | aataacaatg  | gcacgtccaa  | ctccttcatt  | 1387080 |
| tggtgtaaag | ctcttcattg  | ccagatttat  | tgctccggca  | atatcagtac  | cctgagtcga  | 1387140 |
| aataagtga  | ggattgattg  | tttccaaaaa  | cattttttgcc | gatataataat | cacttgtaat  | 1387200 |
| aggcaattgc | gtgaaagcct  | ctccggcaaa  | tacaatcatg  | gcaaccttat  | cgttattaaa  | 1387260 |
| cgtttctacc | aaccgtgaaa  | tcaacttctt  | cgacttttcc  | aaacggctgg  | gagtaacatc  | 1387320 |
| ctgtgccagc | atcgaattgg  | aaatatcgag  | tgctacaacc  | gtttcaactc  | cctgacgttt  | 1387380 |
| caccgtttcc | atcttcgatc  | caaactgtgg  | acgtgccagc  | ataaatatca  | ccatagccaa  | 1387440 |
| cgcagcaaa  | acaagccaga  | attttacatc  | aggacgatac  | ttcgaaacgt  | caggcatcag  | 1387500 |
| gtgagccaat | aactccggat  | caccatacaa  | ggcaatcttt  | ttacgccggc  | ggtaattgga  | 1387560 |
| atatatgtat | agacctacca  | atcctggcaa  | tacgataagt  | agatacaaat  | aaacagggttc | 1387620 |
| tccaaatcga | aacataatat  | tcttggtttt  | aaggattttt  | ctttaataact | gtattacgca  | 1387680 |
| gcaagatttc | cagcaaaaata | cagaaaaatg  | cgaccaaaagc | aaatggttga  | tatgcttctt  | 1387740 |
| cacgcttact | gaattccttg  | acattcagct  | ttgttttctc  | cagttttatcg | atttctttat  | 1387800 |
| aaacctcttc | cagtttagag  | ttgctgggtg  | cacggaagta  | gtttccattt  | gtggtacccg  | 1387860 |
| caatctgtgt | caaggtttgt  | tcatctatct  | ctaccggaac  | attgacatac  | tgaacacccg  | 1387920 |
| catacgtctg | catgggataa  | ggagcagtac  | cattcggttc  | tactccgatg  | gtataaacac  | 1387980 |
| gaatgccgaa | ctgctttgca  | atttcagccg  | cagtcagcgg  | agaaatatct  | cctcgggttg  | 1388040 |
| tactaccatc | cgtcagaaga  | atgattactt  | tcgacttagc  | cttactatcc  | ttcaaacgac  | 1388100 |
| taatagcggt | agccaatccc  | ataccgatgg  | cagttccatc  | ctctatcagt  | ccacgctgcg  | 1388160 |
| caatatcgcc | tttaatactg  | ttgaacaaat  | tcaataagac  | accatggtct  | acggtaagcg  | 1388220 |
| gacattgtgt | aaaagcctct  | ccggcaaaaga | tcgtcaaacc  | aatattatca  | ttcggacggc  | 1388280 |
| cattaataaa | ttcggtagcc  | acttgcttgg  | cagcttccag  | acgattgggc  | ttcaagtctt  | 1388340 |
| ctgcaagcat | actagtcgat  | acgtcgacag  | ccaacataat  | atcaatacct  | tctattttcag | 1388400 |
| tattctgcca | gttatccgtc  | gtctgagggc  | gtgccagtac  | cagcactatc  | ataacaaacg  | 1388460 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| ttacgattct  | taagacaaaa | ggagcatgca | gaagatatat  | cttccaactc  | ttcgggtgcat | 1388520 |
| tcatatacat  | gcgggtcgta | gaaacctgca | tggtaggctc  | tgttttcttc  | ctacgcataa  | 1388580 |
| aataccatac  | gatgtatgga | atgagcagaa | gtaataaaaa  | cagatattcc  | agatttgcaa  | 1388640 |
| aaatcatagt  | tccttacaag | ttaaactgta | aaaaaagagg  | tcgataatgt  | gacaaataac  | 1388700 |
| caagtacagg  | caaatacagg | caccgatgct | tactacagca  | atgctgcaca  | ataggataat  | 1388760 |
| acgtccttgc  | tttgaacgct | tctcttcac  | cctgatttct  | gtaggttcct  | tcttcgcatt  | 1388820 |
| cggatcttct  | tctaccttag | tctgattaat | aaaatctacg  | gcattcacca  | agttcatgtc  | 1388880 |
| gttctcgttc  | atcatcggag | catgtttggc | aaattttacg  | agatcggccg  | tttcaaacag  | 1388940 |
| actctttaaa  | tcgtttatgg | actgctggtc | tttcacttgc  | aacaagtgat  | cgatgatttc  | 1389000 |
| cgtagaagtc  | atttccaacg | cattaaatcc | aaatcgatct  | ttaatatatg  | ttcgcagtac  | 1389060 |
| ttcgggtcaac | tccgtataat | acaacttcgg | atcttcacgt  | tgtacctgct  | tatcagcctt  | 1389120 |
| aatttcttca  | attttcttca | ttgcagcctg | atgaggaggc  | aacttggtgt  | caatcttgat  | 1389180 |
| aatcttgatg  | ataggcttgt | tatcacggta | acgcatgatg  | aagaatacag  | ccgctgcacc  | 1389240 |
| cagtattaac  | atagccaatg | cagaatatac | caacggagca  | atgtcgttcc  | atgtaatagg  | 1389300 |
| aacttctcga  | atatccttcg | gacaaaaaaa | ttggtcagga  | tgtaagggtat | ctaccggaac  | 1389360 |
| agaataaaact | ttcagagcca | acgccttcga | acggtaagat  | tgatcgttta  | caaaaacttc  | 1389420 |
| aaagggaggc  | aaataatata | atgccgaatc | gaatgaagta  | atcgtatact  | cctgagagat  | 1389480 |
| caaccagcgt  | ttattattat | tcaacaactg | ggtatcaggc  | tttgcaacat  | ccaatatctc  | 1389540 |
| cactcccgtg  | accaatgtat | cacgcagcag | cggtaaacgc  | aatttttgat  | tagcgtccat  | 1389600 |
| gctcacctga  | agctttatct | ttgcctgttc | acctatcaga  | agctgtaaag  | aatcgatagt  | 1389660 |
| tgttcttacc  | gtaacttgag | cctttacgcc | aggcatagcc  | caaaacaaca  | ataaagcaac  | 1389720 |
| ccacaacgct  | ttcagatata | ttttgcaatt | atagtatttc  | atatttcttt  | tagtttcgtt  | 1389780 |
| ttgcaaacaa  | attaagcaat | gcttttacgt | aatcttggtc  | ggtacgtacc  | gaaactgaat  | 1389840 |
| caacggtgct  | atgcgtaaat | atgtcatgta | atcttctgctg | acgtgccttc  | caccattcat  | 1389900 |
| gatgtgcatt  | gcgtaaagcc | ttggaagaag | tatcaatcca  | ctgctcatgt  | cccgtttcag  | 1389960 |
| catccttcac  | cttcattagg | cctacatcag | gaagctcttc  | caaacgacga  | tcatatacct  | 1390020 |
| gcaaagccac  | aacatcatgc | tttctgttgg | ctatggtcaa  | tgcattcttg  | aaatcccgtt  | 1390080 |
| catcgataaa  | gtcactcagc | ataaatgccg | tacaacgttt  | ctttagtaca  | tttgtcagat  | 1390140 |
| attcaatggc  | acactgcaca | ttcgtacgtg | tactttccgg  | tttaaagtca  | agcagttcac  | 1390200 |
| gaataatata  | caaaatatgt | ttacgtccct | tcttgggagg  | aataaaacttt | tcgatacggg  | 1390260 |
| cagaaaagaa  | aatcactcca | atcttatcat | tattctgaat  | ggcagaaaaa  | gccagtgtcg  | 1390320 |
| cagcaatttc  | tgtcaccata | tttttcttca | gctgcttgac  | tgtaccaaag  | tccaggctat  | 1390380 |
| tcgatacatc  | aatcaacagc | attacggtca | attcacgttc  | ttcttcgaat  | atctttacga  | 1390440 |
| atggcttgct  | aaagcgagcg | gttacattcc | agtctatgtc  | gcgcacatca  | tctccatact  | 1390500 |
| gatattcacg  | aacttcggaa | aaagccatac | ctctgccctt  | aaaagccgaa  | tggtattgcc  | 1390560 |
| ccgcaaaaat  | attgctggaa | agccctcgtg | tttttatttc  | aatctgacgg  | acgcgtttta  | 1390620 |
| atagttcact  | tgtttccatt | ctttcttggg | ttacgcttcg  | gacaaccaa   | gcaatatata  | 1390680 |
| tctatatttt  | gcataacacc | catagatgtc | atgcataaat  | tcaggcctga  | atgactgctt  | 1390740 |
| ttccaatcat  | tcaggctata | ctcttttatt | tttcaaacc   | attagggcac  | ttctacttta  | 1390800 |
| tttaagatct  | tgctcacgat | ttcatcagaa | gtgacattgg  | ttgcctctgc  | ctcgtaagtc  | 1390860 |
| aagccgatac  | gatgacggag | cacatcgtgt | gcaacggcac  | gcacatcttc  | aggaattaca  | 1390920 |
| tatccacgac  | gtttgatgaa | agcataactg | cgagcggcca  | atgccaaatt  | gatagaagca  | 1390980 |
| cgaggagaac  | ctccgaatcc | gatcagacct | ttcaagtctt  | ttaaatacgta | tttttccgga  | 1391040 |
| taacgagtcg  | caaatacgat | atcagcaata | tattgttcaa  | tcttctcatc  | caaataatacc | 1391100 |
| tgacatacca  | ctttacgtgc | ttccagaata | tcttcagctt  | tcaagatagg  | acgaacctca  | 1391160 |
| atcttggtgc  | ctgaaatgtt | ctgacggata | atcttctttt  | cttcttccag  | ctttggataa  | 1391220 |
| tcgataatta  | ccttcagcat | gaaacggctg | acttgcgctt  | caggaagcgg  | atatgtacct  | 1391280 |
| tcctgttcaa  | tcgggttttg | agttgccatt | acaaggaatg  | gttccggcag  | acggaaagta  | 1391340 |

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|            |            |            |            |             |            |         |
|------------|------------|------------|------------|-------------|------------|---------|
| tccttgctca | acgtaacctg | acgttcctgc | atagcttcca | gcaaagcact  | ctgtacttta | 1391400 |
| gccggagcac | ggttgatttc | atcagccagc | acaaagtttg | caaagatagg  | acccttcttt | 1391460 |
| gttacgaact | gttcatcttt | ctggctgtat | atcattgtac | ccagcacatc  | ggccggaagt | 1391520 |
| aagtcgggag | taaactgaat | acgactgtat | ttagagtcga | ttaacgaagc  | caaggtctta | 1391580 |
| atggccaagg | tctttgccaa | tcccggaaca | ccttcagca  | aaatatgtcc  | gtcggctaac | 1391640 |
| aaaccgatca | ataatgattc | taccaaattg | ttttgaccta | caattacctg  | gtccatacca | 1391700 |
| gccatcaaat | tggtcacgaa | tgcactctga | cgttcaatgc | gttcgttcaa  | ttcacgaatg | 1391760 |
| tcaatagctt | cagccataat | tttttatatt | tacgtttcaa | atatgcaaat  | aaaattaccg | 1391820 |
| gtcaactgac | cttttttaat | cgaacccaaa | agtacggcat | tatattaaca  | gaagcaacta | 1391880 |
| atttttatta | aaaaaactag | ttgcttcttt | cgtttaagtc | ttattgaact  | aaagatgttt | 1391940 |
| aaaaaacagc | attgttccat | tcctcctatt | tcctatccac | ttttttcgga  | gcaagctccg | 1392000 |
| gaatacgaat | agtcgtacct | actggtacca | cgtttgcat  | cttaataata  | tccttattat | 1392060 |
| attgtaccag | ataaggccat | aactttttat | taccataaaa | tttcagcgca  | acacgaacca | 1392120 |
| gactttcacc | cgatttaatc | gtatacgtag | aacgtgtacc | tgttatcata  | tattcaaccg | 1392180 |
| tatctgccaa | tgtttcccg  | ttaaccgcag | tcggcagcac | ttgctcttcc  | gtctcaggtt | 1392240 |
| tcgccgaaac | agcaacctca | tgtaccgtat | cctgtcagat | aacctcggga  | gcttgtttaa | 1392300 |
| ccgatgacac | actatctgtt | tgtaaggcca | gactgctgac | agccgtatcc  | ttactcaacg | 1392360 |
| gagttatttc | tctttccatc | agcatacgta | caacagattc | gggtatgtat  | cttctaccag | 1392420 |
| aaaaaacact | ccagacaatg | attcctcca  | acacaactcc | taccaacaat  | actgtagcaa | 1392480 |
| tcatacacca | gggaaaacg  | aagaactttc | ttcccaatgt | agactccaag  | ccttcaggca | 1392540 |
| tcggttcac  | atttttctgt | attgtttctg | ttgcttcatg | cccagacgcc  | acagcttctt | 1392600 |
| ccacaggctc | tacagcttca | cggactgcct | cttcttcaag | agctccggtc  | gcaacatcct | 1392660 |
| tatcacaaat | ttcattggga | attggctttt | ctgaatcttc | ctttatttcg  | agcttttcgt | 1392720 |
| caatatcaat | gttacgatcc | acttcttgag | aagaaacttc | ttcaciaaaga | tcttcctccg | 1392780 |
| aagtatcgg  | atcctcttcc | agtgaagaga | cttcatccat | atcgtcaaac  | cgggtaccct | 1392840 |
| catttagcag | aacagtttca | aaatgctcga | aaggcttatt | cactgtttct  | ctcatccatg | 1392900 |
| tatcaggcgt | aaaggaaatg | cgagaatgtc | cctgtatttc | gattcgttct  | cctgtattga | 1392960 |
| catttacact | ttcacgagca | tcaacatcaa | tcagcttaaa | cgtaccagc   | cctttgactt | 1393020 |
| ttacataatt | atctgttaca | atggactctt | cgataaggga | aaacagaacc  | ttgacaaatg | 1393080 |
| cttctgcac  | tgctgtctcc | atttcgtggc | gctgagccaa | caaatacagc  | aagtcttgct | 1393140 |
| gtgtgaactt | atcactcatt | ccctagaaca | ttctttagcc | gttccttcca  | tgccggactc | 1393200 |
| ggcttgaaat | tcaaaattaa | ttttggagg  | accagaaaac | gttgcttggt  | aataggattt | 1393260 |
| accgtaatac | gttccatttt | cttccggacc | tcaaatgttc | cgaagttttg  | gattgtaata | 1393320 |
| gcctttcctt | cttgcaatc  | ctccccatg  | atacctgtaa | ccgatgccaa  | taagcgcgaa | 1393380 |
| gcaccttat  | ttgtatatcc | caagcgacgt | gacaattcgc | ctatcagttc  | tttggtgttc | 1393440 |
| atggtgtccg | ctcctcaata | aatattaatt | ttagactaat | gttgcatata  | aatcaaaatc | 1393500 |
| atccgcatcg | tatatatttc | cacgatgaaa | cgaacctgta | tgcaattggt  | ttccctcatc | 1393560 |
| cttaatacaa | acttcaggat | caacctccgg | agagtcaaat | tcggtacgtc  | ctatatagta | 1393620 |
| atcaccttcc | ttgcggtcga | tgataacttt | aaattccttg | cctattttat  | tatgactcag | 1393680 |
| ctcattcgaa | atttcctgct | gaatgctcat | gatctcatcc | agacgtttct  | gctttacttc | 1393740 |
| ttgaggaaca | tcatccttat | aatgttttag | cgaataagta | ccttcttcc   | ccgaataagc | 1393800 |
| aaatgcaccc | atacggtcga | aacgcgcctt | acggacaaat | tctttcagtt  | cctcgaagtc | 1393860 |
| ctgttctgtt | tctccaggat | gtcccacat  | caacgttgta | cgcagatgaa  | ttccaggaa  | 1393920 |
| ctccttacgg | aactcctcaa | tcaactgata | cgtttcctct | ttcgtcacat  | ggcgacgcac | 1393980 |
| tttcgtcaac | atattatcac | taatatgctg | caaggcaata | tccatatact  | tacatacatt | 1394040 |
| atcatgctca | cgcatcacac | gaaacaattc | tttcgggaag | tgtgcaggat  | aagcatagt  | 1394100 |
| caaacgaatc | cattttactc | caggaatctc | agcgatacgc | tcaatcagtt  | cagggagcat | 1394160 |
| ctgtttttta | tacaaatcca | ctccatagta | agtcaattcc | tgcgcaatga  | cctgaaactc | 1394220 |



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|-------------|-------------|-------------|-------------|-------------|------------|---------|
| cttcacccct  | tcggaacca   | acaaccggac  | ttcatccaga  | atttcttcca  | tcggacgaga | 1394280 |
| aacatgcttg  | cccgttataa  | taggaatcgc  | acaatatgag  | cacttacgat  | cacatccttc | 1394340 |
| cgatatcttc  | aaatatgcat  | aatgcttagg  | agtcgtcaga  | tggcgttcaa  | tagcataatc | 1394400 |
| agactgatag  | gtcttgccca  | agtcagcaag  | caattcattc  | caattaaatt  | ttccataaaa | 1394460 |
| cttatccact  | tgaggaattt  | ccacttgag   | ttctttcaag  | taacgttcag  | acaagcatcc | 1394520 |
| cattacataa  | agcttcttca  | aacgtccttc  | ttccttggcc  | tggcagaact  | caagaatcat | 1394580 |
| attaatagac  | tcttcctttg  | cgtcaccaat  | aaatccacac  | gtattttataa | ctgcaatttc | 1394640 |
| tccttgcgga  | ttttcactat  | catgcgtcac  | cttatagcca  | ttcgcttcaa  | gctgtttcat | 1394700 |
| caacttttcc  | gaatcgacca  | gattccttaga | gcaccctaaa  | gtaataatgt  | ctatagtatt | 1394760 |
| ttttctcatt  | tattagctgt  | tccaaacaat  | gaatcaacaa  | attcccgcag  | acggaatatc | 1394820 |
| tgtaaattctt | ccattccttc  | gccccaaact  | atataatttta | ctgggtatttt | aaactgatca | 1394880 |
| gagattccaa  | taaccactcc  | tcccttagct  | gtaccatcca  | gttttgtaat  | tgccatggca | 1394940 |
| ttgacttccg  | tggccagcgt  | aaattgtttt  | gcctgtcaca  | atgcattctg  | tccggtagag | 1395000 |
| ccatccagta  | ccagcaagat  | ttcatgagga  | gcgtctggta  | cgactttctg  | catcacattc | 1395060 |
| ttaatcttag  | tcagctcggt  | catcaggcca  | atcttattat  | gcaaacgtcc  | ggcagtatca | 1395120 |
| ataatcacca  | catccgcatg  | attcgcaacg  | gcagaactta  | gcgtatcgaa  | tgctacagaa | 1395180 |
| gccggatccg  | cacccatttt  | ctgcttgatg  | acgggaaccc  | ctacacgatc  | tccccaaatg | 1395240 |
| acaagctgtt  | ctacagccgc  | agcacggaat  | gtatcagcag  | ctcccaggta  | aacagatttg | 1395300 |
| ccagccttct  | taaactgata  | agccaatttc  | ccgatagtcg  | tagtttttcc  | tactccattg | 1395360 |
| acacctacca  | ccattatcac  | ataaggcttt  | ttcccttcag  | gtacagcaaa  | ctcttccgta | 1395420 |
| tcgactgtat  | tattttctgt  | aagcaatgca  | gcgatctctt  | cacgtaagat  | attattaagc | 1395480 |
| tcctgagtat  | ttacatactt  | atcctgagca  | actctttttt  | cgatacggtt  | gataatcttc | 1395540 |
| aatgtcgttt  | ccacacctac  | atccgaagta  | atcaagactt  | cttccagggt  | atccaacact | 1395600 |
| tcatcgtcca  | ctttagactt  | tccagccaca  | gcacgagcta  | tcttgccaaa  | aacacttttc | 1395660 |
| tttgttttcg  | acaagccctt  | atccaaagtt  | tccttctttt  | ccttcgaaaa  | aaaactaaaa | 1395720 |
| aatcccatac  | ggcttacggt  | tattatctat  | ttatgatata  | aagatataac  | tattctcggt | 1395780 |
| cactcacaaa  | taaatgtcat  | accattatgc  | agcaccaaca  | cacaaaaggc  | tccttctatc | 1395840 |
| ttccgataaa  | aggagccttc  | attattaaga  | aattttattat | tctcttttca  | attatttctt | 1395900 |
| aaagaagtcc  | tgaactttgt  | cgttaggaac  | catttggttca | tcaaaaaatat | aagcaccagt | 1395960 |
| tttcggtgac  | ttaaccattt  | tgataacctt  | agtataagaa  | cgtccttctt  | tacctgtctg | 1396020 |
| aaggggtgag  | actgttttct  | ttgcatgggt  | ttcttattat  | ttaatttctt  | tatgtactgt | 1396080 |
| tactcttttc  | aaaataggat  | tgtacttttt  | caattccaat  | ctttcagcgg  | tattttttct | 1396140 |
| gttttttgta  | gtaataatac  | gagaagttcc  | cggcataccg  | ctatccttca  | tttctgtgca | 1396200 |
| ttcaaggatt  | acctgtactc  | tattaccttt  | agctttctta  | gccatagtct  | ttctctcctt | 1396260 |
| ttaattaacc  | aataattttg  | atagttttcc  | aatcacagta  | accttttagca | acagcttcat | 1396320 |
| tcagcgcagc  | gtccaggcct  | ttcttggtta  | taactcgcaa  | gccgttagca  | cagatattca | 1396380 |
| ggctaatacca | gcaatcctgt  | tctacatagt  | agaatttctt  | agtaaacaag  | ttcacatcga | 1396440 |
| aagttctttt  | agttcttctc  | tttgagtgtg  | aaacattggt  | gccaatcatg  | gctttttttc | 1396500 |
| cggtaatttg  | acaaattttc  | gacatttcta  | tctagttttt  | atagttttat  | tcctacttct | 1396560 |
| ctcaaacgga  | gtgcaaaaata | agtgatttta  | ttttatatac  | acaaactttt  | tagcaactaa | 1396620 |
| ttgcagtttt  | atcactcatt  | ttctttattt  | tggcaaagtt  | ccagcaataa  | ttgaagcgcc | 1396680 |
| ttttttgttg  | cagcttgat   | atttttatct  | cttcccttcat | cctctgtcaa  | ttttgcggta | 1396740 |
| atcactttct  | caccattacc  | tgctgcaatc  | cagattgtgc  | caaccggctt  | ctcgggtgta | 1396800 |
| cctcctgccg  | ggccagcgat  | gcctgaagta  | gccattgcat  | aatctacacc  | gagtgtctga | 1396860 |
| atagccccct  | tcaccatttc  | cacaacagtt  | tcttcactta  | cagctccaaa  | tttttccagc | 1396920 |
| gtttcagcgc  | ttacatgaag  | taaatcttgt  | tttaccttat  | tatcataagc  | aacaattccg | 1396980 |
| cctttgtaaa  | aacgagaact  | tcccggaaatg | gctgtaatta  | ttgctgccac  | gtttccagcc | 1397040 |
| gtacaacttt  | cggctgtagc  | caacgtatac  | ccttcccgcc  | aaaatatttc  | gcttattttc | 1397100 |

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|             |             |             |            |             |             |         |
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| gtaacccgtg  | aatacgcggg  | tttgtctatc  | gagcaaaaat | ccttgtccaa  | aaacttgtaa  | 1397220 |
| tagcctgtaa  | tggcaatcat  | cgcagcattg  | tccgtagtgt | aaccgaactt  | aggaatatag  | 1397280 |
| attttccatc  | catattttgc  | tgcattgttc  | cgataagcat | tgcgcagacc  | attgtttgca  | 1397340 |
| gaaacacccc  | ctgctacggc  | aacttcgttg  | ataccggtat | cttttaccac  | tttacgtaac  | 1397400 |
| ttatccatca  | ggatatctac  | gatggttttc  | tccagcgatg | cagccagatc  | taccttatga  | 1397460 |
| tgttcaatga  | agtccggatc  | ttctttcagc  | cagtcgcgca | atgaatacaa  | gaaagatgtc  | 1397520 |
| ttcagtcggc  | tgaactata   | gtcatacccc  | ggaatatgag | gcttgctgaa  | cgtataggca  | 1397580 |
| ttcggattac  | cctgacgggc  | cagtttatcg  | ataataggtc | ctcccggata  | gcctagcccc  | 1397640 |
| attaccttgg  | aacattttatc | gatcgcctct  | ccggccgcat | cgtcaatggg  | ctgtcccagc  | 1397700 |
| acctgcatgt  | cgttatacgc  | attcacacga  | ataatctgcg | aattgccacc  | cgataccagc  | 1397760 |
| aaacaaatga  | aagggaattt  | aggttgatcg  | gtatcatctt | ccgattcctt  | aataaaatgt  | 1397820 |
| gcaagcacat  | gaccctgcaa  | atgattttaca | tcaatcattg | gaatatccaa  | agagcgagcc  | 1397880 |
| agtccttttag | caaatgacac  | acctaccagc  | aaagacccca | tcagtcccgg  | accacgagta  | 1397940 |
| aaggctacgg  | cactgagctg  | ttctttggtc  | acaccgcac  | gcttcaacgc  | ttcgtgtacg  | 1398000 |
| acaggaacaa  | tgttctgctg  | atgagcgcgt  | gaagccagtt | cagggtactac | tcctccatac  | 1398060 |
| gcttcatgta  | cagcctgact  | tgctataacg  | ctggagagca | acactccatt  | ttttatcaca  | 1398120 |
| gcagccgaag  | tgtcatcgca  | agaagactct  | attcctaata | taatagtatc  | cataaattat  | 1398180 |
| atattcatta  | ttaatatgtc  | aaaatttcaa  | gaccattgtc | tgtcattaca  | aacgtatgtt  | 1398240 |
| cccactgtgc  | agaaggcaat  | tcattctcgg  | ttactacggt | ccagccgtct  | tcttcgtcta  | 1398300 |
| taaataacctc | ccatgtgccc  | atattgatca  | tcggctcgat | ggtaaagacc  | ataccgggca  | 1398360 |
| ccagcaacat  | acctgtacct  | tttctgccat  | aatgcaacac | atccggttct  | tcatggaatt  | 1398420 |
| tgaggcccggt | accatgacca  | cacaaatctc  | ttactaccga | aaaaccattt  | ttctttgcat  | 1398480 |
| gcttctctat  | agcatgacct  | atatctccta  | caaaactgaa | aggctgagca  | gcttcaatgc  | 1398540 |
| ctattttcaag | acattctttc  | gccacgcgga  | cgagcttttc | cttctccgga  | gtagtctttc  | 1398600 |
| ctatgataaa  | cattcgcgaa  | gcatcggcgt  | aatatccatc | caaaatggtc  | gtagcgtcta  | 1398660 |
| cattgataat  | atccccttct  | tctaggattt  | cttcgtccga | aggaataaccg | tggcatacca  | 1398720 |
| cttcattgat  | ggaagtacat  | acactcttcg  | ggaaaccttc | ataattttaa  | ggtgcaggta  | 1398780 |
| tacctccgtg  | acttgttgta  | taatcatata  | caattttatc | gatttcagca  | gtactcatcc  | 1398840 |
| cctcacgaat  | cacttctgcc  | actttatcca  | acacagccgt | attcaacatg  | ccactccgac  | 1398900 |
| ggataccttc  | tatctgttca  | ggagtcttga  | ttaattgacg | ggtaggaact  | tcatgacctt  | 1398960 |
| tattctgata  | ataaagtact  | tttttatcca  | gttctgtcag | ttctgctcct  | ttaggaacta  | 1399020 |
| cccaattcag  | cttattcctc  | ctcataattc  | ttattcatct | tttattatgt  | cgtgcaaagt  | 1399080 |
| tagcagaaaa  | aaaaatagaaa | tacagattaa  | tcagacaaaa | aatgtcactt  | tccacatcct  | 1399140 |
| cggcctgaca  | gagttaatt   | aaagttaaaa  | ggtaaattta | caaaataaca  | attcacagaa  | 1399200 |
| aagacacacg  | attttcttga  | aattaagcta  | tttttgctaa | agatcattag  | aaaacttaat  | 1399260 |
| acaaacactt  | aaaattggag  | ccattatgaa  | taaagcacia | attggcgaaa  | atgcaggaaa  | 1399320 |
| actctggaat  | tttttaaaag  | acaacagaca  | ttgggagtag | gaaaaactga  | aagaagcttc  | 1399380 |
| cggcctgtcg  | gacagagacc  | tgaacgcagc  | catcggctgg | cttgcgcgag  | aagacaagat  | 1399440 |
| tgattttgac  | atgaccgaag  | aaggcgatcg  | catattttta | actgtcaacg  | tattcattgg  | 1399500 |
| ctgatacgcg  | aaaccttcag  | gcaagcagac  | aaaggttgca | tcctttcttt  | aagcagaaag  | 1399560 |
| atgcaacctt  | tgttgtttac  | agcaaactgg  | catcaaatta | tccttcttac  | cgtaatatcg  | 1399620 |
| ggaaaatcct  | gtaaaaatag  | cagcaacaat  | ccttcttcat | tcattcgctt  | ggccttaaca  | 1399680 |
| accatgctga  | catgatagca  | aatctttcca  | tttaaggga  | cctctttcat  | ctcatacgat  | 1399740 |
| actacaatat  | aattccttgt  | attgaacacc  | tgcgaaaccc | gtttgatagc  | ctcttttatca | 1399800 |
| tctgtagaga  | aatcaatcat  | catattccgc  | aatccgatgc | tcttaaaaaa  | ataacttaac  | 1399860 |
| gtttccagtc  | ccaacaatac  | cagaagcgta  | gcagctatgc | caatagcata  | catgcccgca  | 1399920 |
| cctacagcaa  | gccctatccc  | cgatgttgcc  | cagataccgg | ctgccgtagt  | caaccctctg  | 1399980 |

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|             |            |             |             |            |             |         |
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| acaatctgtt  | tttgaatat  | gattgttccg  | gcaccgataa  | acccgatacc | gcttacaacc  | 1400040 |
| tgcgcagcga  | tacgactcgg | atccacccgg  | atcaaactctg | ttttcaaaac | ctccgtaaag  | 1400100 |
| ccatattgtg  | aaacaatcat | cataagcgcg  | cttccaagtg  | cgacaagaaa | atgcgtacga  | 1400160 |
| taacccgcct  | ctttcgcacg | atattcacgc  | tccaggccaa  | tcagtactcc | catcgctccg  | 1400220 |
| gcaacaaaga  | gccgcaaggc | aaaatctaag  | aaaagattca  | taacacatta | cttttttatc  | 1400280 |
| tcttccgccg  | cacacaagta | ccagatattg  | caacgcacgg  | aagcttatta | taacctactc  | 1400340 |
| taactgattg  | gcgaatttac | aaagatttaa  | tgactggtac  | aagtctccgt | tctccataaa  | 1400400 |
| aacgatagga  | taaaaagtac | tcatcatgca  | atactattga  | aatgatttta | taaaatcacc  | 1400460 |
| aatctgtacc  | aaacttttat | catcctgaat  | atacacataa  | aattcgattt | gtactatctt  | 1400520 |
| tgcgcccata  | aaaacacctt | gaaaaattat  | gaaatataaa  | cttttagtac | tcgacctcga  | 1400580 |
| cgaacatta   | acaaactcac | aaaaagccat  | taccgaacat  | acacgtaaca | cacttattga  | 1400640 |
| agcacagaaa  | cgcggttga  | aaatagtact  | tgcttcgggc  | agaccgacct | atggagttgc  | 1400700 |
| cccgttggca  | aacgctctgg | aactgaacaa  | gtacgaagga  | tatattcttt | catacaacgg  | 1400760 |
| cggagaaatc  | atcgactgga | aaacaaacga  | agtgatgtac  | aagaacgtac | tcgatccgga  | 1400820 |
| agtacttccc  | tatctgtacc | aatgcgccaa  | agacaataac  | tttgccatcg | tgacttacga  | 1400880 |
| aaacgaatat  | gtgctgacag | aacatcccga  | tgatgaatac  | gtattaaaag | aagcattgct  | 1400940 |
| taatgtaatg  | aaaataaaga | aagtagacaa  | tttccttaaa  | gcaatacatc | accctattgc  | 1401000 |
| caaatgcctg  | attgtaggag | agccaacccg  | tcttgccgta  | ttggaaaaag | aaatgtacaa  | 1401060 |
| ccacctgaaa  | gaccggatgg | gcgtatttcg  | ctcgagacct  | tactttctgg | aactggttcc  | 1401120 |
| taagggtatc  | gacaaagcac | aatcgcttgc  | cgtattactt  | aaagagatcg | gcatgacaaa  | 1401180 |
| ggatgaaatg  | atagctgtcg | gtgacggatt  | caacgatctg  | tctatgataa | aatacgctgg  | 1401240 |
| tctgggagta  | gccatggcaa | atgctcagcc  | tgtggtacgc  | gaaaatgccg | actacattac  | 1401300 |
| cctctcgaac  | gacgaagacg | gtgtagcagc  | tattgtagaa  | aaattcatac | tggcatagaa  | 1401360 |
| atattcagta  | cagaatagaa | aagaataggc  | atcccgatat  | tcttcaaaat | aagaggccgt  | 1401420 |
| ctcaaaatag  | aattacaaaa | gtaaaaatct  | tatagattga  | aacttagaag | taaaaaatct  | 1401480 |
| cctactttta  | gttctgtaat | taaagagaac  | aaacactaaa  | gtagaagatt | tttatgttgt  | 1401540 |
| aacttataga  | ttataagtaa | gcctgtttca  | gcttttcatt  | ttaatgcagt | cccttttctt  | 1401600 |
| attgtattgt  | ctagtcctga | aatagcgtaa  | caacaaaaaa  | ggtaacatta | tggaaaagac  | 1401660 |
| agaaacaaaag | tacgttaagc | gcacacaaaa  | agattacagt  | atgtccttta | aactatcagt  | 1401720 |
| agtgaagag   | tatgaaacca | caaaaataag  | tttgggagcg  | ctgaaacgaa | aatatgggat  | 1401780 |
| acaaggatgt  | tcaactatta | gccgttggat  | tgaaaaatat  | ggtaactttg | atatcacaaa  | 1401840 |
| caaagtgtac  | cattctatgg | aaaagagtaa  | ggatcaaaaa  | ctgttagaac | tacaacagaa  | 1401900 |
| agtaaggttc  | ctggaacgca | agaatgcccg  | tctggaaaag  | gagcttgagc | tgaaggatat  | 1401960 |
| gaaagcagag  | tttttcgaca | tgatgataga  | catagcggaa  | aaggaatata | atatcgacat  | 1402020 |
| acgaaaaaac  | tcctctcccg | aacagtcaat  | aaatataaag  | aagaaaaatc | cgtaagtatc  | 1402080 |
| agcggaatct  | gccgactgct | cgggataagc  | aggcagaaat  | attaccgtca | gcaatggaag  | 1402140 |
| ataatccgag  | gccggcaaag | ggccactgat  | gttgtgggca  | tggtacgaga | tatccgaatg  | 1402200 |
| gaactgccac  | gtgtaggaac | ccgcaaactt  | tatcatatgc  | ttcatcagcc | acttaaggag  | 1402260 |
| aacaaggtag  | gcagggacaa | actgttcgat  | atactccgtg  | ccaaccgtct | gcttataaag  | 1402320 |
| cccgtacgtt  | catatcatgt | aacaaccaac  | tcgcatcacc  | ggtttcggaa | gcacaagaat  | 1402380 |
| ctttagaгаа  | gtatggaagc | gacacgcccg  | gaagaaatat  | gggtttctga | tattacttat  | 1402440 |
| attggcaata  | gaaaccggca | tatgtatctt  | tctctggtta  | cagatgctta | ttccaagaag  | 1402500 |
| attatgggat  | atgatctttc | cgattccttg  | gacactcaag  | gttctttgaa | cgcgctgagg  | 1402560 |
| atggcaaaacc | gcaaccgact | gtatagggac  | acgccattga  | tacaccactc | tgaccgtggt  | 1402620 |
| atacagtact  | gttccgatgc | atatcagaaa  | ttactgggac  | aatatcacat | catacccagc  | 1402680 |
| atgactgaat  | cttacgatcc | gtacgctaata | gccgtggcag  | aacgaataaa | cggaaatacta | 1402740 |
| aaacaggagt  | tcctgcttga | ggaacttaata | ctaccgctat  | cagatatgaa | acaggtaata  | 1402800 |
| agggatgctg  | tctacaagta | taataacatc  | agacctcatt  | actcttgtgg | gtataaaacg  | 1402860 |

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| ccggagtata  | tgcacatca   | gaagctgatt  | aaaattaaaa  | gttacaaaa   | caaacagttc  | 1402920 |
| agcaagactg  | accttgctga  | actgtgataa  | ataattttatt | tttgtccaat  | aactgtaacg  | 1402980 |
| gttatttagg  | actagtcata  | tttttctgta  | aggatggaac  | ccttaaagct  | ctattccttac | 1403040 |
| agaaaaggat  | atccagcaaa  | tcttatggat  | tcttaggttt  | gcggtcaaaa  | aatggatttt  | 1403100 |
| tggaagatgc  | acttacaggg  | atagcataca  | cctgcgtaca  | cccgtccagc  | cagtcaagct  | 1403160 |
| gctgtgcagc  | aagtcccgca  | gagaacatga  | cacgagtatc  | caccctgttg  | tcggcggcaa  | 1403220 |
| cagaacaagc  | agagcctata  | gcgataccga  | catctacact  | attgatggca  | caaggaactc  | 1403280 |
| cctcctctct  | ttccatacaa  | gtagcgaagc  | cgcagtgtcc  | gcaattcatc  | ccatgtggat  | 1403340 |
| gttcatgtgt  | accaatcaga  | accacacact  | cagcttccag  | aatattatcc  | gcatcacgca  | 1403400 |
| ggaaaaactt  | gaatccgttt  | tcctcataca  | tctgcttcat  | cgtatccgaa  | agaatacggg  | 1403460 |
| gattactttc  | cgtcaccagt  | gccacttcga  | tgatatccac  | tcctttcgcc  | ttcggagcgg  | 1403520 |
| tacgtgcagc  | aatcatcatc  | tgctgagcga  | cttgacgac   | ctgttcatgg  | cgacagtctc  | 1403580 |
| tttcattcag  | tatcatattg  | catcaaagtt  | aaaacaaacg  | acaaaagggg  | tatatccgag  | 1403640 |
| cttctcgcga  | aagctttgaa  | tgctctaaat  | ataacccttt  | tttaaataaa  | ccgccaaacg  | 1403700 |
| atttattttct | tttttccctt  | tttcagggtca | ttttcatgaa  | tgccctcttc  | tacttgataa  | 1403760 |
| gccggagcat  | gttttttatg  | catgcctttc  | ggttttttat  | taccggcagc  | tcccatagta  | 1403820 |
| aaaacttcct  | ttcaaactct  | ttaaaaagtc  | aaaatataat  | ttattacttc  | aataaatcca  | 1403880 |
| actgtttgaa  | acattttaatc | agcttctcaa  | tagcgaagtc  | aacctgctct  | tttgtatgag  | 1403940 |
| tagccatcaa  | tgcaaacga   | accaatgtat  | cctgaggcgc  | acatgccggc  | ggaataacag  | 1404000 |
| gattaatgaa  | tactccttcg  | tcgaaagcca  | gcttcgtaac  | ttcgaacgct  | ttgtccgtat  | 1404060 |
| cacgtacata  | cagcgggatg  | ataggacttt  | ctgtatcacc  | gatttcaaag  | cctgcttcac  | 1404120 |
| ggaaactctt  | caaagcataa  | ttggttatct  | tccacaggtt  | ttcctgacgc  | tgaggttcgg  | 1404180 |
| ttttgaaaat  | atgcagagct  | tccattgccg  | cagcagttgc  | agccggcgta  | ttacttgcc   | 1404240 |
| ggaatatata  | agaacgggca  | ttgtgacgca  | accagttaat  | tacatcctta  | tcacctgcta  | 1404300 |
| cgaaaccacc  | gatagaagcc  | agtgatttag  | agaacgtacc  | cataatcaga  | tcaatatcct  | 1404360 |
| tagttacacc  | gaagtgatcg  | catacgctc   | gtccgtcttt  | accaaataca  | cccaaaccat  | 1404420 |
| gggcttcgct  | tacataaaca  | cttgattgt   | attttttctt  | caagcggaca  | atttcaggaa  | 1404480 |
| gatttgccaa  | gtcaccttc   | atagagaaca  | cactgtctac  | aacaatcagt  | ttgatggcat  | 1404540 |
| ccggttcaca  | cttctgaagt  | tccttctcca  | gtgcctccat  | gtcgttatgc  | ttatacttca  | 1404600 |
| gctgagtagc  | aaaagagaga  | cgacgtccgt  | cgacgatgga  | agcatgatcg  | cggtcatcac  | 1404660 |
| agatgatata  | gtcaccacgt  | ccggccaact  | gcgggatgac  | accttcatta  | acggtgaaac  | 1404720 |
| cagtagaaaa  | gcaaagagct  | tcgtcctttc  | ctacaaaatc  | ggccaattcc  | ttctccagtt  | 1404780 |
| caacatgaat  | atcaagggtt  | ccgttcagca  | aacgtgagcc  | ggcacatccg  | gttccgtact  | 1404840 |
| tacgggtagc  | agctatggct  | gcgtcgatga  | tacgttggtc  | gtgagtcaga  | cccatgtaag  | 1404900 |
| aattagagcc  | gaacatcaaa  | accttctttc  | catccatcat  | tacctctgtg  | tcttgagcgc  | 1404960 |
| tgtcaatctc  | gcggaagtaa  | ggatacacac  | ctctctccat  | gtacatctga  | ggtgttctga  | 1405020 |
| atttacttag  | tttgtcttgt  | aataatccca  | tattctaata  | tctagtaagc  | ccgatgactt  | 1405080 |
| acattaatta  | taattaaccg  | gactctttca  | tgccggcaat  | ttcataaaaa  | gagtgtgcaa  | 1405140 |
| agataataat  | tttcgttatt  | tcaagcgctt  | gttagcgtaa  | aaaaaacgct  | gtaaacaatca | 1405200 |
| tttctgcaca  | aaatgtaccc  | tgaaataaac  | aaaataatcg  | tatttttggt  | tactaaacag  | 1405260 |
| actaagatcc  | ttacacaaaa  | tggactcaaa  | aaaagaaata  | gtattcattg  | tcaacccgat  | 1405320 |
| atcagggtact | cacagcaaag  | agtttatcct  | gcatcagggtg | gaaaaaagac  | tgaatcacac  | 1405380 |
| attatatgat  | tataccatcc  | gcaagacaga  | atatgccggg  | catgctaccg  | aaatagcccg  | 1405440 |
| tcaggctgct  | gaggagaaaa  | aggatatcgt  | tggtgccatt  | ggtgggtgacg | gaacaatcaa  | 1405500 |
| cgaagtcggg  | cgggcactga  | tacataccga  | tacggccatg  | ggtatcattc  | cttgcggttc  | 1405560 |
| aggcaacgga  | ctggcacgtc  | acttacatat  | ccctctggaa  | gcacgtggcg  | ccatcgaagt  | 1405620 |
| gctgaatcag  | ggatttatca  | agactattga  | ttacgggtctg | attgactccc  | atccgttctt  | 1405680 |
| ctgcacctgc  | ggggtgggtt  | tcgacgcatt  | cgtcagcctg  | aaatttgccg  | attccgggaa  | 1405740 |

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| aagaggactg  | ctcacttacc | tggaaaatac | cttacatgag | agtctttacct | atcgtcccga  | 1405800 |
| aacgtatgaa  | atagaaaacg | caacgggcac | ggtacgttac | aaggctttcc  | tgatagcctg  | 1405860 |
| tgccaatgcc  | tccaatacgc | gcaacaatgc | atacatcgct | ccccaggctt  | cgctgacaga  | 1405920 |
| cggcatgatg  | gacgtcacga | tactggaacc | gtttaccgtg | ctcgacgtgc  | cggcgctgtc  | 1405980 |
| gttccagctc  | ttcaacaaga | caatcgacca | gaacagtcgt | atcaaaacgc  | tgaaagagaa  | 1406040 |
| aaaaataaca  | atacaccgta | cgcaggaagg | tgtcttccat | ttcgacggag  | atcccgcgat  | 1406100 |
| gggagggaaa  | gacctggaag | tggaaatcat | ctccaaggga | ctgaatgtca  | ttgcccctca  | 1406160 |
| aaggggaaaa  | tgggccatcg | aagcattcaa | tatactccaa | catttttacag | actttatcgg  | 1406220 |
| tagccgcccc  | atcacatcga | ccattgcccc | caagcataaa | gagctattgc  | agatcaacca  | 1406280 |
| caacctgctg  | cgccggcttt | caaaaagaga | ttaatggcgc | tgcctctggc  | aaacgtcacc  | 1406340 |
| acgatgacag  | aaaaatgtcc | caatgttctt | ccgaaaacat | cgggacattt  | tttatttttt  | 1406400 |
| tgtacaaaaa  | atcggaataa | ttgtacaaat | tttccagcac | ctgtcagcag  | ggatccagtc  | 1406460 |
| acatatctag  | gtaaaattct | tttgtcagcc | gaatatacgc | cggactatac  | acgtggcggt  | 1406520 |
| ccagctccac  | gaccagatgc | tccgttgac  | atgcacagat | ttgccgcca   | aaagccagca  | 1406580 |
| atacccgttt  | gggcatagca | tccggctttg | tatgtatcag | tgttttacgg  | ttcgataaca  | 1406640 |
| aatgtttacc  | agctgccaga | gaaataaagt | cgtctgcggc | atccgtcggg  | ataatcaccg  | 1406700 |
| aaaaagttcc  | gtcgtcggcc | agcaaccttt | ccactgctgc | cagtaactcg  | ccaaaggtaa  | 1406760 |
| gacccccctg  | atggcgtgac | acattcctgc | gtgcatccgg | acaatgcaca  | ttttccacaa  | 1406820 |
| agtaaggagg  | attagacact | atggcatcga | aagttccgtc | aacttcccta  | cacatctgca  | 1406880 |
| tcacgtcttt  | cctgcaaagt | ctgattctct | ccttccacgg | agaggccttc  | acattctctt  | 1406940 |
| ccgctgccc   | taccgccttt | tcatcaatat | ctattcccat | gatatggggc  | tgccaacgct  | 1407000 |
| gggccgtcat  | cagcgcaatc | aacctgttac | ctgtgcctac | atcgagtatc  | ctccgggcat  | 1407060 |
| tgtccacctg  | tgcccacgcc | cccaaagta  | ccccgtcgg  | accacacctt  | atcgcacacc  | 1407120 |
| ggtcgtgata  | aaccgtaaac | tgcttgaact | tgaaatatgg | attaggcata  | ttacttacaa  | 1407180 |
| ttcttatttt  | ccgtcaaaaa | taaataaaat | acattgcttt | cggacgcaaa  | aatagcattt  | 1407240 |
| attttgttag  | ccatgttgta | tttacaacaa | atctgtttcc | gtattcaaag  | cggaatgttt  | 1407300 |
| aactttgtgc  | tcgtttctga | gctttgaaat | acgctctcat | taaaaataca  | caaaaacgcg  | 1407360 |
| aatatggtaa  | gaagaaaaaa | aatagacaca | gatagtttga | agaaagcagg  | agatgacgaa  | 1407420 |
| ctctccatgg  | tgactgagat | cgatacagcg | ccgaaaatc  | tatctgccga  | tgaactggag  | 1407480 |
| aaggaaaatcc | ccatcatgac | actgcgtaac | atggtgatgt | ttcctagcgt  | agtcatgccc  | 1407540 |
| gttacggcag  | gaagacgtac | tacgctgaaa | ctcgtacatg | aagcgatgaa  | ggaaaagaaa  | 1407600 |
| cacatcgta   | ttgcaacgca | gaaagccatg | gaagtagaag | agcctggatt  | gtcggatttg  | 1407660 |
| tatcctattg  | ctgttatcgg | acgcgtattg | cgcgtattcg | aaatgccggg  | cggaaacacg  | 1407720 |
| accgtaatcc  | tgagggaag  | taatgtaaa  | gtacatctgg | atgaggctac  | cgctgcacgt  | 1407780 |
| ccttacctga  | aaggaaaggt | cagcctgata | gaagagcaga | tggaacctac  | ggattcggac  | 1407840 |
| gagttcaagg  | ctctcatgga | tacatgtatc | gaactgagca | ataactttat  | cgatgtagcc  | 1407900 |
| gaccacatga  | gtccggatat | tgctttcgcg | ctgaaaaatc | tgcctaaaaa  | tcatgtgctc  | 1407960 |
| gtaaaattata | tctgcaccaa | cttccctctt | tccatcgagg | ataagttcca  | gttgctgaaa  | 1408020 |
| gaaaatacgc  | tgaaggaccg | cctgtacagt | ctgatacaga | tactgaaccg  | agaaacgaag  | 1408080 |
| ctggcaaacc  | tgaaacagga | tatccagatg | cgtacacggg | aagacctgga  | caagcaacag  | 1408140 |
| cgtgaatact  | tcctgcaaca | gcagatcaag | aacatacaag | atgaactggg  | acgcggctcag | 1408200 |
| gaagacgaaa  | tagacgaact | gcgcaacaag | ggcaaggcaa | aaaaatggaa  | aaaggaagtt  | 1408260 |
| gccgatgtct  | tcgaacgtga | agtttcgaaa | ctggaacgca | tcaatccgca  | gtcggccgac  | 1408320 |
| tataacgttc  | agctcactta | cctgcaaacc | ctgctggcac | tgccgtggga  | cgtatatctt  | 1408380 |
| acagacgtac  | tgaatatacc | taatgccgaa | aaggatttga | acaaggatca  | ttacggactg  | 1408440 |
| gaaaaggtaa  | aggaacgtat | tctggaacac | ctcgccgtac | tgaactgaa   | aggtgatttg  | 1408500 |
| aaatcgccga  | ttatctgtct | ttacggtcct | ccgggagtg  | gtaagacttc  | gctgggacgt  | 1408560 |
| tccatcgccg  | ctgccttgaa | gcgtaaatat | gtacgtatgt | cgctgggagg  | tgtacacgat  | 1408620 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| gaagccgaaa  | tacgcggaca | ccgcaaaacg | tatatcggag  | ccatgccggg  | acgtatcatc | 1408680 |
| aagagtctca  | ttaaggcgga | aacatcta   | ccggtcatta  | ttctcgatga  | gattgacaag | 1408740 |
| ctcagcagcg  | accgtcaggg | agaccctgca | tcggctatgc  | tggaagtgtt  | ggatcccga  | 1408800 |
| cagaacaatg  | cattccacga | taattacatc | gacatagact  | atgacctgtc  | gaaggtaatg | 1408860 |
| ttcatcgcga  | cggccaacaa | cttggaacc  | atccctactc  | cgctgctcga  | ccgtatggaa | 1408920 |
| ctcatcgaag  | taagcggata | cattacggaa | gaaaagattg  | aaattgcacg  | ccgtcacctt | 1408980 |
| atcccgaag   | agatggaagc | aaccggtctg | aagaaagaac  | atgtaaaatt  | caccaaagct | 1409040 |
| gccatcgagg  | atatcataga | aaactatacc | cgcgaaagtg  | gtgtacgtga  | attggaaaag | 1409100 |
| aaaatcggca  | aggtgatgcg | aaagatagct | ctcgaaatag  | ccagcgacaa  | gtttgaagga | 1409160 |
| ttgcatgaac  | tgaaaccggc | tgacatccga | caatatctgg  | gtgtgcccga  | atactcacgc | 1409220 |
| gacaaatatc  | agggaaatga | ttatgccgga | gtggtaacgg  | gacttgcatg  | gacggccgta | 1409280 |
| ggcggagaaa  | ttctgttcgt | agaaacaagt | ctgagcagag  | gaaaaggcgg  | acgccttacc | 1409340 |
| ctgaccggaa  | atctgggaga | tgtcatgaag | gaatcggcta  | tgctggcgct  | ggaatatcta | 1409400 |
| aaggcacata  | cccattctgt | cgatctgccg | gaaggtat    | tcgacaactg  | gaacattcac | 1409460 |
| attcatgtgc  | cggaggagc  | tattccaaag | gacggaccgt  | ctgccggtat  | tacgatggtc | 1409520 |
| acctcattgg  | cttcggccct | taccagcgt  | aaagtgaagg  | caaattctagc | catgacagga | 1409580 |
| gaaataaccc  | tgctgtgtaa | agtacttccc | gtgggtggaa  | tccgcgaaaa  | gattctggca | 1409640 |
| gccaaacgtg  | cgggcattac | cgacattatc | ttgtgcgaag  | aaaaccgcaa  | agacattgaa | 1409700 |
| gagatccagc  | cgttgtatct | gaaaggctg  | aacttccatt  | atgtaaaaga  | tatcaaggag | 1409760 |
| gtacttgccg  | tggcactgac | cgacgagaaa | gtagccgatg  | ctatcgattt  | taccgtaacc | 1409820 |
| gacgataagg  | ataaagacaa | agacaaagaa | aagtaaaagc  | ctgtttttta  | gaacatgaaa | 1409880 |
| tttgaattac  | aataacaga  | tccgcgttcc | aatgcccggtg | cgggactcat  | tacaaccgac | 1409940 |
| cacggacaga  | tagaaacgcc | tatcttcatg | ccggtgggta  | cgctgggcag  | cgtaaaggct | 1410000 |
| gtccacctgc  | acgaactgaa | agatgacatc | aaggcacaga  | ttatcttagg  | aaatacgtat | 1410060 |
| cacctctacc  | ttcgcccggg | acttgatgtc | ctggagaagg  | caggcggact  | tcataagttc | 1410120 |
| aatggcttcg  | accgcccgat | gctgacagac | agtgggtggct | ttcaggtctt  | ttcgctgtcg | 1410180 |
| ggtatccgta  | agatgaaaga | ggaaggagta | gagttccgtt  | cgcataattga | cggttccaaa | 1410240 |
| cacatgttca  | caccggaacg | tgtgatggat | atcgaacgta  | ccatcggtgc  | cgatatcatg | 1410300 |
| atggctttcg  | atgaatgtac | tcccggaact | gccgattatg  | attatgccaa  | gaaatcgatg | 1410360 |
| gaactgactc  | accgctggct | ggaccgctgt | atcgcccgtt  | tcaacgaaac  | ggaacctaa  | 1410420 |
| tacggttacc  | agcagtcgct | cttccctatc | gtacaagggt  | gcgtttatcc  | ggacttgccg | 1410480 |
| cgccgctcgg  | cagaatacat | cgcacgaaa  | aatgccgatg  | gaaacgcaat  | cggcggactg | 1410540 |
| gcagtaggcg  | aacctactga | aaagatgtac | gaaatgattg  | aagtagtcaa  | tgagatactt | 1410600 |
| cctaccgacc  | gtccgcgcta | cctcatggga | gtcgggactc  | cggtaaata   | tctggaagg  | 1410660 |
| attgaacgcg  | gtgttgacat | gttcgactgt | gtaatgccta  | cccgcacgg   | acgaaacggc | 1410720 |
| atgctcttta  | ccaaagacgg | tatcatgaac | atgcgcaaca  | agaaatggga  | atacgactac | 1410780 |
| tctcctatcg  | aagccgacgg | agcttcgtat | gtcgatacga  | tgtacagccg  | tgcttatctg | 1410840 |
| cgccacctgt  | tccacgcaca | ggaactgctg | gccctgcaga  | tagcttccat  | ccacaatctg | 1410900 |
| gctttttacc  | tgtggctggg | aggcgaagcg | cgtaaacaca  | tcattgctgg  | cgacttctca | 1410960 |
| acctggaagc  | ctgccatggt | gaaacgcatt | tctacaagat  | tataaaagat  | tcaggcaatg | 1411020 |
| aaactgataa  | gcaaacttca | actgaaagaa | ctttttaaga  | ggaaatggct  | gaaaaggctt | 1411080 |
| gaccgctata  | ttattgtcaa | gttcctgggt | acatactttt  | tcgccatcgc  | cttgattatt | 1411140 |
| tctattgccg  | tagtatttga | tgtcaacgaa | aatatcgacc  | actttatcaa  | taacaaggca | 1411200 |
| ccgctgaaaag | ccattgtttt | tgattattat | ctgaacttta  | taccttatta  | tacaaatctg | 1411260 |
| ttcagtcggt  | tgttcgtttt | catcgcggta | atcttcttta  | cctcaaagct  | ggcggaaaac | 1411320 |
| tccgagatca  | tcgccatggt | ttctaccgga | atgagcttta  | agcgactcat  | ggtaccgtac | 1411380 |
| atgatttcgg  | cagccatcat | ttcggctgtt | acctttgtac  | tggaacgga   | agtaattcct | 1411440 |
| acgggaagtg  | taacccgcct | gaagtttgaa | gaactataca  | agaaaaagaa  | atcggcagat | 1411500 |

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|-------------|------------|------------|------------|-------------|-------------|---------|
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| gacgcctaca  | gtaaaagtgg | atatcatttc | tcgctggata | agtttgaaga  | ccacaaactc  | 1411620 |
| gtatctcacc  | ttacggcacg | tcgcgccacg | tacgacacga | ccatgtatca  | ccgctggatt  | 1411680 |
| atcagagatt  | acatgatacg | tgagatgaga | ggaatgcgtg | aaatcattac  | gcgtggagat  | 1411740 |
| cgtttggatt  | ctattatcaa | catggagcct | caggattttc | tgattacacg  | cggacagcag  | 1411800 |
| gaaacaatga  | ccagcccga  | actgcgagaa | tacatatcga | aacagaaaca  | gcgaggtttt  | 1411860 |
| gccaatatca  | aagagtttga | ggtggaatat | catcggcgca | ttgccatgtc  | gttcgccgca  | 1411920 |
| ttcatcctga  | catccatcgg | actgtccctt | tcttcccga  | aagtaaaagg  | aggcatggga  | 1411980 |
| ttgcacctcg  | gtatcggact | tgccctcagt | ttctcgtaca | ttctgttcca  | gaccattttcg | 1412040 |
| tctactttcg  | ccataaacgg | taatgtgtcg | cccgccatag | cggataggat  | accgaatgta  | 1412100 |
| ctatatcttt  | tcattgccat | ctatttgtat | cggaaagccc | ccaaataaat  | agaaaatatt  | 1412160 |
| ttttcagtca  | tataacgtgc | tatactcaca | cattatatga | ctgaaatctt  | ccggcaataa  | 1412220 |
| aaacataact  | gccgtttaat | ggtttatatt | gcttttcatt | cactttttta  | atgatataaa  | 1412280 |
| ccatgttcac  | tgtaacgatc | aatttacaaa | tttcttttga | taaggaaaac  | caagcacaca  | 1412340 |
| gcaaagaact  | tgctcagctt | gtcaacgaag | aattaaaaca | atcagtccag  | tcaatacaaa  | 1412400 |
| ataagtacaa  | tcaaattaaa | ataccacca  | actcatctgt | caggagacaac | tcacaaacaa  | 1412460 |
| acttctttga  | ctttgccgac | catgaagcta | acgaattaga | gctcaatcgc  | agatataaca  | 1412520 |
| cttcacgcaa  | ttatcgca   | gcaataaaac | gtctgcgaga | atatacagaa  | tcaactgttc  | 1412580 |
| ttccattcaa  | tcacatcacg | gtacagttta | tagacaattt | tgaaagtttc  | ctgaaaaaaa  | 1412640 |
| gagcatgtag  | cctcaatacg | atttcagtct | atatgcgttc | actaagagcc  | atatacaaca  | 1412700 |
| aagccgtcaa  | tcagcaatta | gtgattcagc | aattgccttt | taacaacgta  | tttacaggaa  | 1412760 |
| cagaaagtac  | acgcaaacgg | gccgtttcat | gcatgtcat  | ccggaagctt  | actcaattag  | 1412820 |
| attgcacctc  | gaatcctgcc | atgcagctga | ctaaagatat | ctttctattt  | agctttctata | 1412880 |
| cccgtggcat  | ttcttttatc | gacattgctt | atatgcaata | ctcacatata  | aaaaatgggt  | 1412940 |
| acctgaaata  | tcaacgcagc | aaaacccatc | aatctctttc | tgtacgctta  | gaaataacctg | 1413000 |
| cttataaaaat | aatcaagcgc | tatcggggca | cctcccgggc | cggatatctc  | tttctatat   | 1413060 |
| taacaagtac  | agaagctgaa | caatgttaca | agaatatcg  | ctatcaatta  | ggattatata  | 1413120 |
| ataaacgggt  | aaacagaata | ggaatgttgt | taggattgaa | atgtaattta  | tcatcttatg  | 1413180 |
| tttctcgcca  | tacatgggct | actttggctc | gagaatacgg | aatccctctg  | tctattatca  | 1413240 |
| gtgaaggatt  | aggacataca | tcggaacgaa | caaccctgat | atatataaaa  | catttagaca  | 1413300 |
| agcagcaaat  | agataaggct | aaccataaat | tattatgtaa | gaccctatgc  | acccagaaac  | 1413360 |
| aagaatagag  | attaattaat | aagaaacaat | agataaaaaa | gaagtgtgcc  | gctcccggaa  | 1413420 |
| aattccgtat  | agagggcaac | tttttgcttt | ttgttgtatt | caaataattt  | ctacctccac  | 1413480 |
| cttctcgccc  | gacatcagtt | caggaaagaa | gccaatcgg  | aagtggtcac  | attctttgcc  | 1413540 |
| acaatcacac  | cgcggtgtc  | aatcagataa | ttcttaaagc | cgcgttccag  | gtcgtacgcc  | 1413600 |
| cggaaatatt  | ccgaatcgga | accatctgtt | tctacatagc | agtcagtctt  | tgccaatcca  | 1413660 |
| tcctgcttta  | ccgttgcat  | aaaaaccgat | gcatagcgg  | caaaagaaac  | agaaatcaac  | 1413720 |
| tttatctggc  | tgtatttatc | tgccagatgt | gccaatgcag | catttttttc  | tctggacgct  | 1413780 |
| gcatcgtaac  | ttgccagaa  | gctcaacaaa | gtataaccct | cacgggcatc  | gtgcagggtg  | 1413840 |
| agcaactgca  | ctgaatcgca | aagcatcaac | tgaggggctt | tatcaccag   | cttcagtttc  | 1413900 |
| tctgctggaa  | cgctctcctt | gctaaagctc | agagagatta | gggaacctaa  | aattaatata  | 1413960 |
| acaaaaaacc  | attttacact | tttaatcatg | taatttgatt | ttagttaata  | ctatccggga  | 1414020 |
| ctgccctttc  | acagtgattt | ctaccgggaa | cattgcttga | tgaaagacac  | ctttatacaa  | 1414080 |
| aggtttcatt  | tcatattttt | gagaaatctg | cggcaaagat | aacgactttt  | tatttcacag  | 1414140 |
| cctaataaaa  | atgccatttt | tcatgttttg | caacatat   | ttatactttt  | acccagtat   | 1414200 |
| attctccata  | aaactatgtc | actttatgg  | aaggaaatca | agaaaaacag  | tatatattgca | 1414260 |
| actaatatca  | gcattatata | catggataaa | acaactaccg | aactcatact  | tatacgtatc  | 1414320 |
| agtggttag   | accgtccagg | tcttactgct | tccattaccg | aaatactttc  | gggttatgac  | 1414380 |

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| ttcaaatgtt  | gtgaaaaaga | ttcaggcaac  | atcatgaagg | acctgctttt  | caaagcatcg  | 1414500 |
| gaactgggaa  | tcaatattcg | cttctatcca  | atatctcgtg | aagaatacga  | agaatgggtc  | 1414560 |
| agcatgcaag  | ggaaaaaccg | ctatatcctg  | acattgctgg | gacgtaaact  | gaccgcccag  | 1414620 |
| cagatagccg  | gagcaaccaa | aattctggct  | aaccaaggat | tgaacattga  | tgccatccgc  | 1414680 |
| cgccttaccg  | gacgtgttcc | cttagacgag  | cgaaaagcaa | aggtacgtgc  | ctgtattgaa  | 1414740 |
| ttttcggttc  | gtggtacccc | acgtgacatc  | gacgagctgc | aaagcgaact  | gatgcgcttg  | 1414800 |
| agtactacac  | tgcacatgga | tttttcattc  | cagaaagata | ccatgtatcg  | ccggatgcga  | 1414860 |
| agactaatct  | gcttcgatat | ggattctacg  | ctgataaaga | cagaggttat  | tgatgaactg  | 1414920 |
| gctaaacgtg  | ccggtgtagg | cgaacaggta  | caagagatta | ctgcacgtgc  | catgcgaggg  | 1414980 |
| gaaattgatt  | tccgagaaag | tttcaaggaa  | cgtgtcgtct | tgctcaaagg  | tcttgatgaa  | 1415040 |
| agtgtaatga  | aagacatagc | cgagcacttg  | cccattacag | agggagtaga  | acgtctgatg  | 1415100 |
| tacgtattga  | aacgctatgg | ctataaaata  | gccatcctgt | cgggcgggtt  | tacttatttt  | 1415160 |
| ggcaattacc  | tgaagaacg  | gttcggcatt  | gactacgtat | atgcgaataa  | tctggagatt  | 1415220 |
| gtagatggaa  | agcttaccgg | gcgttatgta  | ggtgatatcg | tagacggaaa  | gcgtaaagct  | 1415280 |
| gaactgttac  | aacttctcgc | acaggtagaa  | aatgtcgata | tcgcacaaac  | aatagccgta  | 1415340 |
| ggcgtatggag | caaacgattt | acccatgctg  | tccgttgcag | gactaggaat  | tgcccttccat | 1415400 |
| gccaagccta  | aagtaaaagc | caatgcaaaa  | cagtctataa | ataccatcgg  | actggatggc  | 1415460 |
| gtattatact  | ttttaggatt | taaggattca  | tatctcgacg | aacgtggaaa  | cagttgattt  | 1415520 |
| attttgagaa  | acaatatatg | aagttttcag  | aactgaattt | agaagatagt  | gtactacagg  | 1415580 |
| cactcgatgc  | catgaacttt | caggagtgtg  | ctcctgtaca | ggaacaaacg  | attcctgtta  | 1415640 |
| ttttagaagg  | aaaagattta | attggtgtgg  | cacagactgg | tacaggaaaag | actgctgcat  | 1415700 |
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| agcaactggc  | aaaaacgatt | ctgcaaaatc  | cggtagagg  | gaagctggca  | gtatctaaac  | 1416180 |
| cggcggaata  | aatcattcag | gctgcatata  | tctgttacga | ggcacaaaag  | ttaggtatca  | 1416240 |
| tagaaagcct  | gttcaagcaa | cagaaacctg  | aacgagtcac | catttttcgt  | tcttccaaac  | 1416300 |
| tgaaagtaaa  | agaggtagcc | aaatcactga  | aacgcatgaa | cctgaatgta  | ggagaaatgc  | 1416360 |
| attccgacct  | ggaacaaagc | cagcgtgatg  | caatcatgca | tgagttccgc  | aacggacgaa  | 1416420 |
| tcagtatgct  | ggttgctaca | gatatcgtag  | cacgtggaat | tgatatagac  | gatatccgac  | 1416480 |
| tggtcatcaa  | ctacgatgtt | cctaacgaca  | gtgaagacta | tgtacaccgc  | attggccgta  | 1416540 |
| cggcacgtgc  | caataatgac | ggatgtgcca  | ttactttcgt | cagcgaaaca  | gaacaaagca  | 1416600 |
| aatttaagca  | gatagaaaac | ttccttgga   | aagatatcta | taaaattcct  | gtgccagaag  | 1416660 |
| aacttggtga  | agctcctgaa | tatgtccac   | gggataatca | caaaaaagga  | agaaatcaaa  | 1416720 |
| atgcaaaaaa  | taaagggaaa | agacgtccct  | acaacaagcg | tcagggaaat  | aagtccaata  | 1416780 |
| aaggcgcagc  | caaagcacia | taagtataag  | tcttcttaga | agctttacct  | ataaaaaaat  | 1416840 |
| aagaatggca  | tgtccgggtc | aatcttgcaa  | tatcatcgga | catgccattc  | ttgatgtatt  | 1416900 |
| attcgtcttt  | tttcgactct | ttcaggcttt  | tataatgcag | accactatta  | ataatcctca  | 1416960 |
| aaagttcagt  | acgcattttt | tgaaccatct  | ccggattttt | tttgccaca   | ttgaaatggt  | 1417020 |
| ccccgaatc   | agaagtcaag | tcatatagct  | gatcctcagc | tggattgttt  | cctaattccg  | 1417080 |
| tattagtctg  | tttggtgaca | gcagggtccat | ctgccgcagg | aatatacttc  | cacacaccgt  | 1417140 |
| ctgttatcga  | caagttattc | tgcacattat  | gttccacggt | ccatgatcgt  | ccttcctgct  | 1417200 |
| tggcatccat  | ccacgaattc | aagtgtttt   | cactatcggg | tgcactccct  | tctggaaggt  | 1417260 |



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|             |             |            |            |            |             |         |
|-------------|-------------|------------|------------|------------|-------------|---------|
| taacaccaca  | catcgaagca  | aacgatgcaa | accagtcaac | ctgactcacc | aaataatctg  | 1417320 |
| aaactccggg  | ggtaatctgt  | cccttcacgc | gtataatgca | tggaacacgc | gttccgctct  | 1417380 |
| cataactact  | gtattttaccg | cctctgtaca | caccagtagc | cttgtgggtg | cccaacagct  | 1417440 |
| cgaccgcctg  | atcctgataa  | ccgtcatcaa | taacagcacc | attgtcgctc | gagagaatca  | 1417500 |
| caatcgtatt  | atcatccaga  | ttcagttttt | tcaatgtttc | catcacctgc | cccacagtcc  | 1417560 |
| agtcgaaaga  | caacaatgca  | tcgccacgag | ggcctaacc  | actcttaccg | gcaaagcgct  | 1417620 |
| tatgaggaa   | acgaggtaca  | tgaatatcgt | ttgtagccaa | gtagagaaa  | aaaggctcct  | 1417680 |
| tcgactgctg  | actcttctct  | ataaagcggg | tggcatgggc | ggttatacta | tcggctatgt  | 1417740 |
| cttcgtcttt  | ccacaaagca  | ctctttccac | ctttcatata | tccgatacgt | gaaattccat  | 1417800 |
| tgacgataga  | ctggtcgtga  | ccatgcgaag | gaagcatacg | caaaagtctc | ggattatcct  | 1417860 |
| tccccgtagg  | ttcaccggga  | aaattctttg | tataacttac | atacactgga | tcatcagggt  | 1417920 |
| ccaatccaac  | tcccttgcca  | ttctccataa | agatgcatgg | agtacgatcg | gcggttgccg  | 1417980 |
| ccatgatata  | agaataatcg  | aagccaatat | ctgccggatt | aggcttgacc | acaccattcc  | 1418040 |
| aatcctgctt  | gccgggttca  | ttccccaatc | cgagatgcca | ttttcctact | acccctgtct  | 1418100 |
| gataacccgc  | atccttaaac  | atatcagcaa | tggataaacg | ttcgggagtt | ataatcatgg  | 1418160 |
| cagcatttcc  | cgctgcaatg  | ccggttccct | tcctacgcc  | ggcatactct | cctgtcagca  | 1418220 |
| aggcataacg  | cgaaggagta  | cttgtagcag | ccgcacaatg | agcattcgta | aaacgaattc  | 1418280 |
| cttcggaagc  | cagtctttcc  | acattgggcg | tacgtacagc | cgaagtccg  | ttacaactca  | 1418340 |
| aatccccata  | accgatata   | tcggcataaa | taagcaacac | attcggacgc | tccggcaact  | 1418400 |
| gttgtgcaaa  | agccgatgaa  | taaagagcaa | gggtcctat  | cggtagaatc | aaatTTTTtca | 1418460 |
| tagtatctta  | aaactctgtt  | attatatctt | ttcttatgat | catacaaatg | taaggataaa  | 1418520 |
| ccaacaaata  | aaagaaatcc  | aaaagccttt | ttcaaagtga | cttaccgttt | agcattaaac  | 1418580 |
| cgaactccca  | ctcccagcat  | caagttattc | ggcttcctga | atttgtaaag | ctgatatcct  | 1418640 |
| acatgcaaaa  | ataaattttt  | agtgatattc | gtcttcaagg | ctacaatctg | ataaaaatgaa | 1418700 |
| tcagtatctg  | ctcctttaca  | tagaatattc | cgtccgacac | ccaaattaat | cgaaaaaata  | 1418760 |
| ggcatgacaa  | tctctgccc   | aaccgacaat | ccaacagcca | gttggtcttt | cagtgggtggc | 1418820 |
| cggtgaaacc  | ggatattctc  | cgcataacg  | ccacctacag | tattggctat | atgttcgttt  | 1418880 |
| atgttagcac  | tctcatcata  | ttgcgcatcc | agcgacaaac | cggcacgaaa | atagttactg  | 1418940 |
| aaattataca  | tcggagtaaa  | attcaatcct | cctacagcaa | aagaaccagg | tacaagcacc  | 1419000 |
| ggagaacttt  | cgggaggaaa  | tactcctttc | tttttcaaag | ctccatatac | aatcagatca  | 1419060 |
| taactgatat  | agggttgaa   | cacatttcta | ttccgataag | tagcatatct | tctatcatac  | 1419120 |
| aattcaagct  | tctccttgcc  | gccgaagtag | cgtatcagcc | cgatatttcc | gcctatcgta  | 1419180 |
| ttaactccag  | agttaggata  | tcccgtattg | ccattcgaat | aatgtgtaac | tccaactccg  | 1419240 |
| gcccgcagg   | ttgtacaagc  | atcaatctgc | cagttaagca | acaagccgaa | attaatatag  | 1419300 |
| gcatttattt  | tcgagccaac  | tacattattc | atcggattgg | tttccttatt | gtatttcttc  | 1419360 |
| cacccgaagg  | aagctccaaa  | attccactca | tagtcgaaag | acaaacgacg | ggttatactg  | 1419420 |
| gcaatcctat  | atgtttgaaa  | ggcatagaca | gccagcggat | tacctatctc | ggatgaattg  | 1419480 |
| aaaaagggtat | tatatcctac  | tccaagacct | tgtatagcat | atggatacat | acgtccccaa  | 1419540 |
| taagtatcgg  | gggcgaattt  | aatccatac  | ttcacatgtc | ctgagaaagt | cttcctgaca  | 1419600 |
| ggagtttggtg | cagcattcgc  | acctttaaaa | aatccattgg | taggaaatgt | ataagcagg   | 1419660 |
| cggaaatcga  | cccctattat  | atggattaat | cgctgacttg | tactatcctt | gctacttgcc  | 1419720 |
| atgacataaa  | cagacatgca  | taaaaacata | cacacagcta | taagcctatt | cgtttttctg  | 1419780 |
| ttcatttttac | tcttggtttt  | caggagttaa | ataaaattcg | tagggccggt | tactataaat  | 1419840 |
| ggtaccttca  | aacgttttct  | tccttccgct | aaaaggatgg | gaagtgtaca | atttataatt  | 1419900 |
| tatccaatat  | tgctctatca  | gataatcgac | agaaattttc | catttctcac | caggaggaat  | 1419960 |
| cgtatatttc  | ttcccagaca  | agctggaatt | gatgacattg | tcgatttgct | gggaatcgct  | 1420020 |
| tccaaattcc  | actttcgtgt  | cttccaatac | tggttttccg | tctataaaat | cgggaatgac  | 1420080 |
| taccaacggc  | aagggaagtc  | ctaaaaaaca | tttgtactgt | ttttcttcat | tccaccact   | 1420140 |

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|            |            |            |             |             |            |         |
|------------|------------|------------|-------------|-------------|------------|---------|
| tttatctctg | aaagagatct | tacgcgggaa | agatgattcc  | atcggatcga  | agttccaact | 1420200 |
| cgtaggttga | gtggactgag | tattatctat | catcacccaa  | taatcaggct  | ccagcatatt | 1420260 |
| gtcggataaa | gataaactct | cccaatcata | tacgatgctg  | tcaacttcat  | atttcgaagt | 1420320 |
| aggaaccaat | gacaccggaa | tggactttat | ttcgtattca  | ttgccacaa   | ctatctcgac | 1420380 |
| atcaaagtct | tttccattcc | tattatcacc | agagaaaata  | cagagttccc  | gaccattcct | 1420440 |
| tttctctacc | ctgaagtcac | aataatcata | acctaactta  | attacagcat  | tttcgccgtt | 1420500 |
| ctccaaagga | aaatttctcc | cgtcgggctt | cccctcgagg  | tcacaaatca  | ctccccatac | 1420560 |
| attctcatag | gttccatata | tattcaaaat | atcccaatta  | tccgacttaa  | aggctattct | 1420620 |
| ggtaaccgta | tccgtttccg | acaactgtat | agtcggcacg  | tcaggcaaat  | agtcgtctat | 1420680 |
| aaaaacatga | ttattacatc | cggccaaaca | catacacaag  | ctcagccaca  | atatattaca | 1420740 |
| tagattcctc | attacaatca | acctctgaat | taattttcaa  | actgtatatt  | ccctcagttt | 1420800 |
| catcttccgg | gaggcatgat | aaccggtgag | ccgccccgct  | tgtcaataac  | gacacttctt | 1420860 |
| agtatttcat | acagtattcc | accacatca  | atgcccaaat  | cgaattttatt | gaatttataa | 1420920 |
| taaggtgtaa | caatcggaac | agtctgccat | ccccgttgag  | gatcataata  | tctctgcaca | 1420980 |
| cccacttcca | taccaaaccg | atttgtaaaa | tcataaccga  | cagtagctcc  | gtacacattc | 1421040 |
| cgattaaagc | cataacgact | atccggcgaa | taagagccaa  | aagcacttat  | ccgaagtcta | 1421100 |
| tctgtaggat | gataggttat | gcttccaaaa | gtccccaaag  | actgtcccac  | actcatcgga | 1421160 |
| aaattatact | taacagcatt | caccctgttc | tgaatagaaa  | aataatcatt  | caggtcataa | 1421220 |
| cgataaaaga | gtgaagcctg | attaagcctt | cccagtcgag  | gcaatgtttc  | ctgcatacca | 1421280 |
| ctgccataga | aattcggaag | gattcgtccg | cttggttgat  | aatcgccata  | aaacctgaga | 1421340 |
| gaagaattgg | aataataagg | aggtatatag | aagggttac   | gtagttttaa  | ttctatattc | 1421400 |
| tgtacttctg | gaatttcggt | cataggatca | ttcagcatat  | tttctctaaa  | gtctgccgag | 1421460 |
| tattcaccca | cttgaggaga | catcatatgc | tcacgcagca  | tgatcaaact  | atctgtattc | 1421520 |
| agttttacac | tgtcgttctt | gatatgctcc | tgagcataaa  | tctccgaaca  | aaataaaca  | 1421580 |
| agtcagata  | ctataataaa | gcgtccccct | ttcatatgtt  | tcatagttta  | attataaatt | 1421640 |
| taaatataaa | tgaaataatt | catataacta | ttaccttcta  | acctatttta  | acagcagaag | 1421700 |
| tctattgaca | gactgatgcc | caaacggaat | acgaaagtcc  | acaacacgac  | atgggtataa | 1421760 |
| atttaccatc | cataattatt | caaacttttt | cttcgaaata  | tagactacat  | gaaaccatga | 1421820 |
| gaatcaaggt | acaacagcgg | ttttttatcc | cgatcaattc  | cggattatgg  | cataaaacat | 1421880 |
| atgatgattt | tcttgaaaaa | agatttcttt | taaattaatt  | aaccttttga  | atagacacgt | 1421940 |
| attacgatat | tttcgtagat | ttgcgaaaaa | ttcgtataaa  | aactcattca  | atatggaaaa | 1422000 |
| gctaactcat | caagaagaag | aagccatgcg | ctttatctgg  | aacttaggac  | catgttttgt | 1422060 |
| gaaagagatc | gtgacatgtt | atgatgaacc | gaagcctcct  | tacacgacag  | tagcctcgat | 1422120 |
| tgtgaacaat | ctgaagcgca | aaggatatct | gaaagccgaa  | agatttgga   | acacgtaccg | 1422180 |
| gtacacgcca | ctggtaaagc | aggaagaata | taccagcaac  | tccgtgggaa  | atatcgtgcg | 1422240 |
| taattatttt | gccaactctt | ataaggaaat | ggtttcgttt  | tttgccaaag  | aacagaaaaa | 1422300 |
| ctccaaagac | gagctcaacg | agattatcga | tctgattgaa  | aagcaggaaa  | acaaataaaa | 1422360 |
| gtttgaaatc | cacgaataaa | catctacaga | tatataatac  | ttctttttata | tgctatatct | 1422420 |
| tcttcaagtc | aatattggat | tgattctgtt | ttacgcattg  | tataagctgc  | tgtgtacaca | 1422480 |
| ggatacatct | ttccactcac | gaagattcat | cctgatggta  | tcgcttatct  | taccttttat | 1422540 |
| cctgcctctc | atcgacatac | gggaatggat | ggaaagtcgt  | gacagcctga  | ttatgctcac | 1422600 |
| tcactttgac | tattcggtag | tgttgccaga | gattgtagta  | ggaagtaaag  | ctgcgggaac | 1422660 |
| agggaatcag | gtattcatcc | tgtccgaatg | gatcaaatat  | atctatcttg  | ccggaatagc | 1422720 |
| actactgacc | atcaggttct | ttattcaggt | aatcagtcctg | tatcgtatca  | ttttgcacac | 1422780 |
| gccaacgaag | atgataaacg | gtatctgcgt | aaaatgcctg  | aaaaatcctt  | ccggaccgtt | 1422840 |
| ttctttcttt | ggatggattt | tcattaatcc | aactgtcgta  | aaggaaaacg  | aaatggacga | 1422900 |
| gatcctgaca | cacgaattgg | ctcacgtaaa | gcaaaagcat  | tccgtcgata  | ttcttattgc | 1422960 |
| cgaaataatc | agcatctgct | gctggataaa | tccttttgtc  | tggctgataa  | aacgagaagt | 1423020 |

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|             |             |             |             |             |             |         |
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| cagacttaat  | ttggaattct  | tagccgacaa  | gaaagtaatg  | gaggcaggat  | tttccactaa  | 1423080 |
| aagttatcaa  | tatcacctgc  | ttggattggc  | atacaatcac  | aagtacgggt  | tatccaataa  | 1423140 |
| ttttaatttt  | tctcatctta  | aacaacgtat  | cattatgatg  | aacaagaaaa  | aatcaaattg  | 1423200 |
| tgcagcgcac  | attaaatatg  | cactgttcac  | ccttccggcc  | tttgctctac  | tcgttgccgg  | 1423260 |
| aaacatctcc  | tgttcgcagg  | atgcatcaga  | aaagacagat  | gcaaaagaag  | aagttgtcac  | 1423320 |
| accagttagt  | ccggatgcag  | cggaaactcc  | agcagagaat  | cctgcggaag  | aaaaagcatt  | 1423380 |
| cgatgtagca  | gaacagatgc  | ctgaatattc  | aggaggaatg  | caggaactga  | tgactttcct  | 1423440 |
| tcaagagaat  | atcaagtatc  | ccaaatcggc  | acaagaacgc  | aaaatagaag  | gtcgcgtcat  | 1423500 |
| tgtacagttt  | gtagtagaaa  | aagacggaac  | tcctaccgag  | tttaaagttg  | tacgtttccat | 1423560 |
| cgatccagcc  | cttgatgaag  | aggctttgcg  | tgtactgaaa  | gccatgccga  | aatggaaacc  | 1423620 |
| tggtagcag   | aaaggacagc  | ctgtaagagt  | aaaatacacc  | atacctgtat  | cgttcaagct  | 1423680 |
| taagtaattt  | ctattgttga  | gtccgcttta  | aaatgttttt  | tcagttatat  | gtgaaagaat  | 1423740 |
| gattttaacg  | cggactcatt  | ttataaaatg  | aatcgctctc  | agtatagaag  | atgaaaaacc  | 1423800 |
| tttggccttc  | ataaataaaa  | tagataattt  | taggcgaatg  | attgagtgtc  | aaagtggcaa  | 1423860 |
| aattaatgat  | gattcccata  | aacttgcaag  | aaaacaactt  | cctaaaatga  | ctaatatatg  | 1423920 |
| aaaatagatg  | tatttaacac  | atatatgtct  | aacataccca  | ctgacttttt  | ttaagagctt  | 1423980 |
| atgcctaaaa  | tatggaagcg  | catataccta  | taaaaaaaga  | gaatacatct  | caaaagaagg  | 1424040 |
| agatatattt  | ccttattggg  | gatatataga  | atcaggatatt | ataaaataca  | cttgctacaa  | 1424100 |
| cgtgacagaa  | aaaaaagaat  | ataatacagg  | atcttccttt  | gcaggcgaat  | ttatggctga  | 1424160 |
| ttatcccaca  | tgtctttata  | atatcaagtc  | tgagattttc  | atacaggctt  | tgacagcttg  | 1424220 |
| cagaatatat  | atttgccatt  | ctgaaagact  | gaaagaagaa  | tttgaaagaa  | gcatggaaaa  | 1424280 |
| tcaatatata  | gcacgtatcg  | cagcagaaca  | aatgtgcttt  | caaacctatt  | caagatatat  | 1424340 |
| cgatttttat  | aggctgactc  | ctgaagaacg  | atacagacaa  | cttattagaa  | gaagcccgga  | 1424400 |
| tttactccaa  | ctcattttcca | taaaggagat  | tccgtcttac  | ttgagaataa  | caccgacaca  | 1424460 |
| catgagtaga  | ataagaaaaa  | tggttaagttt | tgacaagtaa  | ttctcaacat  | atgttgagaa  | 1424520 |
| tttggtttat  | agactgtaat  | tgaataaaat  | atattgttct  | ccataaaagg  | ctttattgta  | 1424580 |
| atttttacaat | aaaaaagaat  | agttatatga  | aaacaaagaa  | tttattttgga | atactgatgt  | 1424640 |
| tatttcctatt | tacattaacc  | tttatcagtt  | gtgaagaaga  | taccgataat  | gacaaacaga  | 1424700 |
| tattttcacct | gtcatttgaa  | aaaaactatt  | acgaacgtcc  | tttaacgggg  | gcaaagaata  | 1424760 |
| tcatgataag  | aggaggaaac  | cgggactaca  | cgatagaagt  | aaacaatccg  | gaaatattag  | 1424820 |
| aagctatgg   | agattttatca | agccccattg  | gtatgggttaa | tttagagatt  | caccccaaac  | 1424880 |
| agactggaga  | aacaatagta  | aaagtccacg  | ataatattgt  | aaatgagact  | gtagaactga  | 1424940 |
| gaataaagat  | tggtgataac  | tatctgaatt  | tagtactcgc  | caatcccatg  | caatcgccat  | 1425000 |
| acaatgaaga  | agatgaattt  | ttcctcatta  | acaacaaatc  | aaaaagtttc  | tattttgtacg | 1425060 |
| atgaagataa  | agacttgaaa  | cagacaggct  | gttataattt  | tgttgttagag | aacaatgtcc  | 1425120 |
| cgtatatgga  | attaatcttc  | aatgagaaat  | ttgataataa  | atctgtatat  | aaatatgatc  | 1425180 |
| tgacaggtag  | aagccaaaat  | acgttttttg  | ctttaaaaat  | attattagga  | tggtgattggc | 1425240 |
| aagaacagat  | taaaagtatg  | aaaacaagg   | aaatctctcc  | ttccaccatg  | aatgctaaag  | 1425300 |
| acatagaaac  | aggtgttcag  | tattatttta  | ttgtcggcaa  | tcatgatatg  | ccagagaatg  | 1425360 |
| ttttaggaac  | aaacgattga  | gattttcttt  | ggtcactttt  | atctttccta  | gctgacacta  | 1425420 |
| tctaaaattt  | tgtgtgaatg  | gaaacaggat  | tcagttgttaa | gttccttcta  | ataactggct  | 1425480 |
| tctgttttagg | gacatttact  | gaatattcct  | gtttacaac   | agaagcataa  | attgattcat  | 1425540 |
| aatcaagccc  | tagtttgaaa  | tagatcttgt  | cttccttttg  | ctgccccatt  | acgggtatca  | 1425600 |
| ctcccagcaa  | aaaagaattc  | aagaccatat  | atcgttggac  | attgttcatt  | cggcgttttc  | 1425660 |
| tattgattat  | ccatgttcaa  | tcgcgacatt  | tcactttcgg  | ccgcactctg  | attattcatt  | 1425720 |
| ttcttttctg  | tacggaagcg  | ataagtaatc  | gcgaaaccaa  | cttttcgggt  | ttcttccttt  | 1425780 |
| ccaacagtat  | tcatgataat  | atcatgcaga  | cgggctgaag  | cacgcgtatt  | attcttattg  | 1425840 |
| aaaatgtcgt  | aagcatccag  | tgaagttga   | agcttgtcat  | tcaggaacga  | tttcttcagg  | 1425900 |

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|             |             |            |            |            |             |         |
|-------------|-------------|------------|------------|------------|-------------|---------|
| ctcaaattaa  | gggaggtata  | acccttcgat | tcatataact | gataataccc | tttggaaacca | 1425960 |
| taattaaagt  | cggcagacaa  | cagaaatccg | gatggaagt  | tgaaattgtt | gttgaagttc  | 1426020 |
| agcatcacca  | gcgggcgtcc  | tgatttcagg | gtagttccat | cgggaccggg | ataatggaaa  | 1426080 |
| aaagttttta  | tgcaagtcag  | cgtgagggaa | ggcatccacc | acttcacagg | atattgcacg  | 1426140 |
| ttaaccatac  | ccgtcagatt  | gtgcatttta | tcgaaattat | ccatgtaact | gaccgtcact  | 1426200 |
| gctgagtttc  | ccggcatact  | atagaaagcc | gttaccagcg | gatcacgggt | aagggtataa  | 1426260 |
| ttcaaattca  | gaaacaggaa  | cttataaaac | agcatatagt | tcaggtcgtg | agtcaaggcc  | 1426320 |
| tgcttcagg   | aaagatttcc  | tttctgatag | gtaaaccggt | ctgtgtacac | cgcattatcg  | 1426380 |
| ttcatcacat  | caaatggcgg  | acgttccgta | tgaatggagt | aagcaaggga | ctgttgcagc  | 1426440 |
| ttttccgtat  | tataactcag  | cgagacagaa | ggcaagaaat | tgtgataggt | ctgatcttga  | 1426500 |
| gtcttgttgt  | cgtgggtctc  | tttcagctcg | cttcgtatct | gttcgtagcg | taagcctgcc  | 1426560 |
| cctaatagaca | ggttcttcca  | agtgtaatcg | tacgacaggt | agaccgaatt | ctttatctcc  | 1426620 |
| gtattatgtg  | tccgaccatt  | attcaaggca | cggacatatt | ctatatagtc | ggttccgctc  | 1426680 |
| gtgtgactga  | aatcgttaacc | aagattgaaa | gctcctgcct | tctccgtttc | atacgacaag  | 1426740 |
| ctaaaatttg  | ccgcaaacaa  | atcccaatca | gccttacgat | aataatccat | agacgtttct  | 1426800 |
| gtacggctcgc | tttcccattc  | acagatattg | ccccggctac | gatcagtctt | atgaagataa  | 1426860 |
| tccccgtatg  | cgttcatcct  | ccagccgttc | ttccagtcgt | tcatataata | cagattaaaa  | 1426920 |
| tgattactga  | cggacttagc  | tgatacatca | ctgagattct | tgatgaagg  | agaaactcct  | 1426980 |
| ttatccggta  | tcatggaaag  | ggtatcggtc | gagaaggat  | tgccctggct | gtatttgcct  | 1427040 |
| tcatacttca  | acccaatctc  | cgattccggc | gaaaaatgat | aagagacacc | tcccgtatag  | 1427100 |
| gtatggcttt  | cgtaaagat   | tcgcttctgg | ttcagattgg | tcaggttcca | gatagtatca  | 1427160 |
| ctttgagctc  | gctggtaagc  | gtcaagtgcc | gaattatttt | ttccccgggt | gtaattgtag  | 1427220 |
| gagaaaaaga  | agtcccagtt  | cttataattc | aataacttcg | taaattttta | ccgataaatt  | 1427280 |
| aaaattaaac  | atagaatcgg  | cataatccgg | ttcaaaatta | tattcaagag | atcattgaaa  | 1427340 |
| tactgtcaag  | aataaatcgt  | caaggagtaa | gaaaagggat | gaaaaagata | tgctaaacag  | 1427400 |
| ctgaaaatca  | acagaaaaag  | tatttcataa | ttcactgatt | tttagtaaat | tagaagtact  | 1427460 |
| tcaccacttt  | taattatgac  | taaagaatca | ctccttatgc | aataccaatc | cgagtgcaga  | 1427520 |
| aacgctctcg  | aatcagctgt  | aaatataagc | aaatcttttc | agaaagtatt | catggatgca  | 1427580 |
| atgaaattat  | tcatggctat  | acctgaccgc | atcaattttc | tacaaatggg | acggtatgga  | 1427640 |
| tgttttctcg  | aacagacata  | ccgcaacaat | tttgagaacg | acggctttga | ctggttttcc  | 1427700 |
| ttcaatgaag  | ccatcatcag  | ggaacacctt | aaagggtggt | gcaaggcgat | agccgttgat  | 1427760 |
| ccgtctttca  | ttccaaaatc  | aggcagcaaa | acgccgtgga | ttggctattt | ctggtccggt  | 1427820 |
| tgtgccgggt  | aatacaaacg  | tggactggaa | ataaccggta | ttggagtatt | agacgttgac  | 1427880 |
| aaccatgaat  | gtatgacttt  | gggctctgta | cagacacctg | acaacgcaac | gctggaaagc  | 1427940 |
| tgtgagaaga  | atcttgttga  | ctggtacagc | tcttacctta | tcagcataca | ggaacagctg  | 1428000 |
| aaacgtattt  | ctggcacagt  | cgtgtgtgat | gcgttctttt | caaaggcaac | tttcatcaaa  | 1428060 |
| ccattgtacg  | ataacggttt  | ccacgtaata | agccgtttca | ggaatgatgc | cgtattgttt  | 1428120 |
| tatcccacct  | tagaaaatag  | gacaggaaaa | cgcgacgctc | caaaattaca | tgacgagaaa  | 1428180 |
| attgactttg  | aaaatctgga  | catcacaaga | tgtaccgagt | acaaagtga  | caagggtaaa  | 1428240 |
| ctttacggac  | tgaaagcata  | ctccaaagca | ctcaaacgct | ttgtgagcct | ggctgtatgg  | 1428300 |
| taccccatgg  | atggaagaac  | ggacaaatgg | cagctgtatt | tctctacaaa | cgaaatacag  | 1428360 |
| aacgcacagg  | atgtcctgga  | cttttacaga | acacgtttcc | aactcgaatt | ctgctttcgg  | 1428420 |
| gatgccaagc  | aacatgccgg  | aatagcaaac | tgtcagtcta | cagacttcag | gaaactggca  | 1428480 |
| ttccacttta  | atgcatcact  | tgcagcgata | aacctcgcca | aggctgcctg | taagaagatg  | 1428540 |
| ggaataaaat  | attccatata  | atcatgcaag | tcagtcatac | acaatgctta | catgcttgaa  | 1428600 |
| cgatttattt  | gcgtgtctgg  | gattgaacca | aacacgcaat | taattgacaa | acttttcaaa  | 1428660 |
| gaactcattt  | tatttactgc  | cagagccgct | taggctgggc | taatttttaa | cgaactattg  | 1428720 |
| ataattgtaa  | ctaccattta  | taagatagtt | ttggttgaag | tgatttcctt | gctgtaaatt  | 1428780 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| acgttggttca | gaatgatata  | gtacccccgg  | attcaaaatc  | agtttaacgg  | aacggatttg  | 1428900 |
| atcaactgaa  | agattatcca  | gttcgggtctt | gtccaccact  | tccctgccat  | tgatgtaata  | 1428960 |
| gacaggattt  | ctttttccaa  | tgacttcgac  | ggagtttctt  | ctttgctgta  | tacccggaat  | 1429020 |
| cttacagagc  | aagttgttca  | agttcggttg  | ttgggataaa  | atgggtgttct | ccacatcggc  | 1429080 |
| caacaatcca  | tcacgatcca  | gcttgaatgg  | ttttcgatat  | gcagtaactt  | ccacatcttt  | 1429140 |
| cagtgtagtc  | tgtgatactt  | ccatccgaac  | caactggcaga | gcaagatctg  | cattgacctt  | 1429200 |
| cacatcctta  | tacagtgtct  | gatagcccag  | ataggaataa  | cgaataatat  | agttaccccc  | 1429260 |
| ggcaagcgat  | gtgctgtata  | ccccgcaaga  | gtcagatacc  | gctccgctga  | caaggggtgt  | 1429320 |
| gtccacttgg  | ttcaggaatg  | ccacattcac  | catcggcatc  | accgtattct  | ctgagtccat  | 1429380 |
| gattttttcct | tttacaacat  | actggccgta  | agtcggcagc  | aagatcaggc  | tggctatcaa  | 1429440 |
| agctaaaaaat | agttttttca  | ttagtcaagt  | ttatacaata  | atttcagtca  | aaaactgtag  | 1429500 |
| ttcaaaaatac | attatcgtcc  | gaagcgtgaa  | gaatccacct  | ctttcttctc  | cttgctgatg  | 1429560 |
| ctgccgccaa  | aacggtaaac  | aaatttcacc  | gaaagagtac  | gactgtattg  | ccccatattc  | 1429620 |
| aagtcgatgt  | gctgtcctgc  | atagcgggtt  | ctcaccttca  | tgcgcatggg  | atcaaacaag  | 1429680 |
| tcagaacacg  | tcaggccttag | agttgcctta  | tccttcagga  | agttccattg  | cgccccca    | 1429740 |
| ttgaccgtaa  | agactgggtt  | cgtatcgctg  | ataccggaaa  | tcattgcttga | gcgatacggt  | 1429800 |
| gcattccagat | cgaacccaac  | attggaacct  | atcgaaaaat  | gattctgcat  | ggccagcata  | 1429860 |
| cacgcccatt  | tattccgggtc | gaagggaata  | tcccagaagt  | tatcgcaacg  | gttacgatcg  | 1429920 |
| ttcataaccg  | tggcattttac | ttgcgaagag  | agccagcctc  | cgatgctaaa  | cggaatattg  | 1429980 |
| gcactcattc  | cgaagactg   | gtaataattc  | cagttctgtg  | tgcgggtacac | aagtgccaga  | 1430040 |
| cgatccttcg  | cctgatacat  | gtccatcgta  | aaataatcgt  | tggtcctctc  | atagaacagc  | 1430100 |
| gacagcatgt  | acttctgaag  | aaagagataa  | ttggcattca  | caactgtacac | gttggcaggc  | 1430160 |
| cgaagtccct  | cgatgggtctg | aatctcttcg  | taggcattca  | tatagggtgg  | actgggtctgc | 1430220 |
| atgtcccaat  | aagtgggata  | atccttttgc  | gacgaaacac  | ccagcatgaa  | cgatgtcttt  | 1430280 |
| tccgaaggcg  | aatagctcag  | actggcctgc  | ggatagaccg  | cccattttgtg | atagtttccg  | 1430340 |
| atgggtgtaat | actcacgggt  | tgccgagaga  | gaaagggaaa  | gtccgttctc  | aaactccttg  | 1430400 |
| tcgaaccacg  | cataaaagtt  | ggtaatctgc  | tcataaaggc  | gcgaagagga  | attatccacg  | 1430460 |
| ttcccctttc  | cctccgcctg  | attaaataac  | tgactgttct  | tgttatcggt  | ataatcataa  | 1430520 |
| cggacaccgt  | acttcaatgt  | ccagtcattg  | gcaagactgt  | ggctttgggtc | ggcatataacc | 1430580 |
| gaaaacttac  | ggatttttctg | gtccgaagta  | tagtccagca  | gttggcggtg  | gttgtctgtc  | 1430640 |
| agttttacttt | ccagacgatt  | cttgtcattc  | atgggtgtaat | ccgtataatc  | cacacaaaaa  | 1430700 |
| tccagtccga  | agccggaaga  | atagcgggca  | aagacattgt  | gcagccgggt  | gtcctgcaac  | 1430760 |
| ttgtcgttgt  | ggctgttctg  | aaagtttccg  | tttacatcaa  | tcgtaccttt  | gccgttgttc  | 1430820 |
| gacaaggcac  | cggtgtagcc  | cacgtcaac   | tcattatctt  | cgtttatctg  | atagtcgtac  | 1430880 |
| tcggcgtaga  | tattatgcct  | ccagcccttt  | gtattgattt  | tctgtgtctg  | cgatgtgtca  | 1430940 |
| tataccttcc  | catcataatt  | gtgcaggga   | gccaaatcca  | tcacagtcac  | gatattgtgaa | 1431000 |
| tagcccggtg  | tataagaaac  | attcagcgac  | gacttgcctt  | ttgtgagcag  | gaagttttaca | 1431060 |
| tttccgctgt  | aactgctgaa  | atactgattg  | ctgtaggttg  | ccgaaacttc  | actctggagg  | 1431120 |
| gtattgttgt  | cagcctttgc  | cgttacaata  | ttacacagcag | ccccgcgcac  | atgatattcg  | 1431180 |
| gggtgtgtgt  | tatacatcac  | ttcggtgtgc  | tgtacctgcg  | aagcggagggt | attcttcaac  | 1431240 |
| atctcgatca  | gctgttctctg | tgtcagtgtg  | cttgccttcc  | cgttcagaat  | caccgtcaca  | 1431300 |
| tcctttgctgc | cgaccagcga  | gagcttgccg  | ttcctgtcct  | gtacccccgg  | tagctttacaa | 1431360 |
| atagcctcgt  | aagcattgtt  | tacgatattg  | ttctccgtga  | gggtcgaaat  | gtcataattc  | 1431420 |
| agctttccct  | tttccactgt  | cacaaacggg  | cgttccccct  | cgattaccac  | tccctccaga  | 1431480 |
| ttataatctt  | tcgggtccaa  | tgtaatgata  | cccgcacac   | gcgcctgccc  | ctttacttgc  | 1431540 |
| ttagtctgat  | aaagcagatg  | ctgaacgatg  | agctgatatt  | tctccggctc  | cggttcaagc  | 1431600 |
| ctgaatgtac  | cgtcgactgc  | agagatagct  | gcctccaaat  | aggtagaatc  | tgggaagctgc | 1431660 |

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| tgactccaaa  | taacattagg  | acaatataaa  | acgaatattg  | cacttatcac  | ttttctaata  | 1431780 |
| ttcattgtat  | tcttcagttt  | tattaatcaa  | taaggtttta  | tatcgctgga  | ctttagtgtc  | 1431840 |
| cgaatcgtga  | tgtatccact  | tctttcactt  | cctgcttttt  | atatccacca  | aaacgatatg  | 1431900 |
| taaagttag   | agatacggta  | cggctgtaga  | atgagctggt  | catatccaaa  | tactgccctt  | 1431960 |
| tgaaacgaac  | tttcatatcc  | ggcatactgg  | agttaaagat  | gtcactgcaa  | cgtgccgtaa  | 1432020 |
| gcgaacactt  | gttcttggca  | aagttcattt  | cattccggca  | gtaagattga  | atgtgcttgc  | 1432080 |
| gagatccagt  | gtaccctgaa  | tgaaagggtg  | ctgtatatta  | cccgcccaatt | caaacgaaag  | 1432140 |
| gtttttgcct  | accttgaaag  | tattgtcaag  | cgttccgata  | aataaccatt  | tctttcgggtc | 1432200 |
| gaaaggatg   | tcaaagaact  | gatcacattt  | ttcccgtgcc  | tgcattccta  | caagtgtcag  | 1432260 |
| tcttgcatcg  | taccagttgc  | caagactgaa  | cggtaaaatg  | acatttgccg  | ttatcatgcg  | 1432320 |
| catataattc  | cagttggtat  | ttttatatat  | caatgccaga  | cggtcggtag  | cctgataggg  | 1432380 |
| agactgggca  | aagtaatcgg  | aagtatgttt  | atagaacaga  | ccaaatatat  | acttctgttt  | 1432440 |
| taatataatg  | tttccattca  | gactataggt  | tgctcataggt | cgtaaaccgg  | gtgttccctg  | 1432500 |
| aatttcagaa  | tatccgttca  | gatagggtgac | tgacgactgc  | atatcccaat  | aaccaggata  | 1432560 |
| cgtcttatct  | gttgacaagg  | atagctggaa  | aatatgttgc  | gggcttttca  | gatatgtcag  | 1432620 |
| tgaggcttgc  | ggatagacag  | cccatttgtg  | atagttcccg  | atcgtgtaat  | attctcccgt  | 1432680 |
| tgcagaaaca  | gagaacgaag  | taccggtcgc  | ccaactctta  | ctcagcgaga  | aataaaaaatt | 1432740 |
| ggttgctgtg  | tcttcagct   | tagcgtctgt  | attttcaggt  | tttatattac  | ccgccacatt  | 1432800 |
| gtcataagtc  | tgaaaatcat  | agttatttgt  | atagcgatac  | gatacgccgt  | aacctatgcc  | 1432860 |
| ccagttatft  | gccagacgat  | gtttctggtc  | tgcataaaca  | gagtaacggg  | caatacgtctg | 1432920 |
| cccgccgggtc | agggatatatg | cgttctcact  | cttgtcggca  | agctgtgttg  | acatagtctg  | 1432980 |
| attattatcg  | gatgtataac  | gggtataatc  | accgccaaagt | tcaagtccga  | aaccggaact  | 1433040 |
| gtactgtagg  | gttatgttat  | gcatcttgtt  | ttccgtaaat  | ttatcgagag  | tggtactgctg | 1433100 |
| aaaacttcca  | tcagctatgc  | tacggccgtc  | tctatcggga  | gtaaaacttc  | ccgtataggc  | 1433160 |
| aacattcaga  | tgattcttct  | cattgatatt  | gtattccaat  | gctgttctta  | cattatgtgt  | 1433220 |
| ccagcttttg  | gtacttagtc  | tttcattctg  | ggttatttca  | taaaccttat  | cgcccaatgt  | 1433280 |
| atgtctggaa  | aacaagtctg  | tatattccat  | tattttgaca  | ttgtcggctc  | catacattac  | 1433340 |
| atccagagtt  | actttaggtg  | tggacaaacg  | gaaattcccg  | tttgcaccac  | cactgtctaaa | 1433400 |
| atacctgttc  | tgataataag  | tactcaactc  | tccctgaaat  | gaatagtcac  | tcgagcgttt  | 1433460 |
| catcaccaca  | ttgatgacag  | ctccacgtac  | atgaaattca  | ggaggagcac  | tatacacgac  | 1433520 |
| ttctgctttc  | tctacacgat  | ccaccgggtg  | attgcgcaac  | aatgtttcca  | gttggtccgc  | 1433580 |
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| aagcgcaccg  | ttactctcct  | gtactcccgg  | cagtttgaat  | atagcttcgt  | aggcattatt  | 1433700 |
| tacaacctgt  | ctctccgaaa  | gtaccgaaag  | gtcatagccc  | agtcgtccgt  | cttccacttt  | 1433760 |
| aaccagcggt  | ctttctccct  | ttattaccac  | ttcctccaga  | ttatagtctt  | tcggctccag  | 1433820 |
| cgtaaatagta | cccgcatcac  | gcgcctgccc  | ctttatctgc  | ttggtctgat  | aaagcagatg  | 1433880 |
| ctgaacaatg  | agctgatact  | tttccgggtc  | cggttcaagc  | ctgaatgtac  | cgtcggccgc  | 1433940 |
| agagatagct  | gccccagat   | aggttgaatc  | cggaaagctgc | atgacgatgg  | tagcaccgtc  | 1434000 |
| caccggctgg  | ttactcgtgt  | ttattatfff  | tcctgttact  | tgactccaga  | ttatattagg  | 1434060 |
| aaaatacaaaa | atggataata  | aaactattgt  | acatctgaga  | ttcattctat  | tctaaaattt  | 1434120 |
| actcatcaat  | ccattttctt  | tctttgatat  | caacttaaca  | aagtcattgt  | tcgaattacc  | 1434180 |
| tacaattaat  | tatcatcaca  | tataaagcca  | ttggaacaaa  | tccctttaat  | attcgttcca  | 1434240 |
| agactaataa  | tacatgctaa  | tataatttca  | ataatttctc  | ctttttgctt  | cgtatataaac | 1434300 |
| cttttacaga  | ttatgtagac  | tactatttta  | cacaaataaa  | gaattaaaca  | agcgaccttt  | 1434360 |
| atctatttca  | gttggttaaa  | gatagaagat  | aacctgaaga  | aagtgttctt  | tttttacaca  | 1434420 |
| ttataagaag  | tttatagaaa  | ctttttcgga  | caatgaaaac  | tatctgagca  | aaccacattg  | 1434480 |
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| ttgccgctcc  | ttggcgattg | aaacggagca  | atagtatacc  | ccagtttctt  | gatagcttcc  | 1434660 |
| ttcagctttt  | tgggagaagt | cttatcctta  | tcttaccaaa  | caaaatatta  | aaggcagata  | 1434720 |
| aagaatagtt  | atcagaatgg | tagtattttg  | taagagaatg  | atagtgcccg  | acaaacttta  | 1434780 |
| ttttctgatc  | tttgtttgct | taatagcgac  | ttagcaaata  | gtttgactaa  | acaactggaa  | 1434840 |
| tataaaaaaca | taaactaact | gtatggaaat  | gatgaaatat  | cgcagacatt  | tatgggggtga | 1434900 |
| tatggcattc  | agctcattca | tcccgacttc  | tctcttccaa  | atacaagtta  | cccgtactcc  | 1434960 |
| ccagacggat  | cggttgataa | cggaagcaga  | aacagcccta  | cggcagttga  | atgcggatgc  | 1435020 |
| tgcacggctt  | tccaacgagc | aactagagaa  | actcatgaga  | caagaagcag  | aatcttccctg | 1435080 |
| cagactggct  | tcgggcgaac | cttctctttc  | gttcgatttt  | atgataaaga  | ccgacgatga  | 1435140 |
| tacctcatg   | acagaggctg | aaaacctctt  | gcaggctaca  | cgttatgccg  | tcgaagcgat  | 1435200 |
| ggacgaactg  | ccgctcagcg | cccgtatatt  | gaagaatgca  | cactatctga  | tgtgccaaag  | 1435260 |
| cgaacaatat  | gaaaagaaat | atcccgggtga | gttccggaat  | tcccccgat   | ggataggctg  | 1435320 |
| gaaagaaaac  | ggattgaaag | aagcgtgtt   | tgtacctccc  | gtttacgaag  | acatgacaga  | 1435380 |
| ggcgttttcc  | gatctggagc | gatacattca  | ttcggaagat  | acggaaaatg  | tactcgttcg  | 1435440 |
| tgccgcactg  | attcattatc | agtttgaaat  | gatacatccg  | ttcatcgacg  | gcaatgggcg  | 1435500 |
| gataggacgt  | cttctaaatc | ttttgttctt  | aaagcaagag  | gaagtactcg  | aaaagcctgt  | 1435560 |
| gctgctgctt  | tccgatcctc | tttataagcg  | tgctgctgtc  | tattaccgta  | acatacagcg  | 1435620 |
| agtaaatgaa  | gcggcaggct | acgacgaatg  | gattgatttc  | ttcctcacgg  | cacttaaaaa  | 1435680 |
| tgcggccag   | cagacttcat | tggctatttg  | taagatggag  | taaagacatt  | cgggccagac  | 1435740 |
| ataaaaaaag  | tcctgaaaac | cggccaagt   | ttcaggactt  | ttcactgttt  | cgcctcacgg  | 1435800 |
| cctggtacac  | cctcagggat | tcgaaccctg  | gaccactga   | ttaagagtca  | gttgctctac  | 1435860 |
| caactgagct  | aagagtgcac | ccactataaa  | ttgtcaaatt  | tcccgtgcaa  | cttccttgaa  | 1435920 |
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| tgaccaaata  | aaatgcagg  | aaatcttatc  | aatttcctgc  | attttatttt  | tgccattttc  | 1436100 |
| ataacaagct  | gttatacaag | cttatattca  | tcttcgtaat  | aaaggatttt  | cagcgtgctt  | 1436160 |
| tgttcgtagt  | cgaacagctc | ttcgggctta  | aagaagcggg  | caacttctgt  | agcagctgtt  | 1436220 |
| ttcggagagt  | cggatgtgtg | gataatgttt  | tcctgtgaac  | tgacacaata  | atcacctcgg  | 1436280 |
| atagtgcccg  | gaacagccac | acgaccgttg  | gttgctccc   | tcattgaacg  | tacaatctgt  | 1436340 |
| acggcatcta  | ccccttcgta | gcagcaagct  | actaccggag  | aagccatcat  | ggagtttttc  | 1436400 |
| acgcgctgga  | agaagggctt | cccagccaga  | tgagcataat  | gttcgttcag  | taaatcgtcg  | 1436460 |
| gtgagctgca  | tcattttcat | acctgccaac  | cgaagtcctt  | tacgttcgaa  | acggctggta  | 1436520 |
| atttcgccga  | ttaagccg   | ctgtacggca  | gatggtttta  | aaataaccaa  | tgttttttca  | 1436580 |
| agactcatag  | tgtttttctg | tttttaagtt  | taacggttcc  | aaagataaat  | ctttctgcag  | 1436640 |
| gaaaacaaaa  | attttgagaa | gaaaaaagcc  | tccctgcacg  | atttctgccg  | aattttaccga | 1436700 |
| ccgctttata  | cctgcttttc | agaatcgcg   | ctgcacgttt  | cgcctaaaaac | gtctcgacgt  | 1436760 |
| ttttttaaga  | tttgtacaaa | aaacaaaatc  | ttttgtacaa  | attttcctgc  | attcatgctg  | 1436820 |
| acaaaagatc  | cgctgctccg | gcacaagctt  | caggaagcgt  | cacggcacag  | attctcaacg  | 1436880 |
| atagtcggat  | gcgttcagac | acgtgcaaag  | ctccttttcc  | agcctgttcc  | gtacgtcgga  | 1436940 |
| tagatcgacc  | tcatgcccta | cttcccgggc  | gatggacgtt  | actcctttat  | ctatgaatcc  | 1437000 |
| acagggatga  | atatagccga | aatagcgcaa  | gtcggtat    | acattcaggg  | caagtccgtg  | 1437060 |
| catcgtaacg  | aaatgactgc | tacgcacacc  | tatcgcaaa   | atcttgcggt  | cgtcttttgt  | 1437120 |
| tcctgcggca  | agccacacgc | cggtagctcc  | ggctactctc  | cccgcctcta  | taccatacga  | 1437180 |
| ggcacatacg  | cggataacag | cttcttccag  | tgcatgaatg  | tagtccttca  | gtcccagatg  | 1437240 |
| aaagtcctcg  | agattcaaga | tcggatagca  | gacaagctgc  | cccggaccgt  | gataggtaat  | 1437300 |
| atctcctccg  | cggtcgatgt | gatacaattc  | tgcgccctatt | tgcccttaatt | gttcctcgcg  | 1437360 |
| cagcagcatg  | tttgtttctt | tgccgtgccg  | ccccaacgta  | tacacatgcg  | gatgctcgca  | 1437420 |

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|             |             |            |             |            |             |         |
|-------------|-------------|------------|-------------|------------|-------------|---------|
| aaaaatcagg  | cggttctcgt  | aactctcgcc | gcaggcacgc  | gcacgcacca | gttcggtgaa  | 1437480 |
| caatgctgtc  | tgacgggtccc | atgcttcacg | gtaagggacc  | attccccaat | attctgtttt  | 1437540 |
| catagttagt  | atttcatgtt  | atTTTTgtt  | ttcatacaaa  | cttacacatt | ttttcagttc  | 1437600 |
| cactggctca  | cccttctgca  | aatctttatc | aaaacgacag  | aaagaacttc | ccttttctgg  | 1437660 |
| tgctttattc  | aagaagttgt  | gttatatttg | tcgtatcgga  | acattaaaat | caccatacta  | 1437720 |
| aaaaagagta  | ttatgaagtc  | aacaaacatt | ttatttccgt  | cgctgggttt | aggcattgca  | 1437780 |
| ggcggattcg  | tttttccggg  | ctgtgtagaa | cagaagcagt  | cgccaaccgc | cgagattgac  | 1437840 |
| acactgaaaa  | aagatacgac  | cgtctatctg | caagcgggaa  | aagaaactcc | gtcgtgcaaa  | 1437900 |
| atcaacatca  | gctatgctta  | cctgaaacct | gcctcggaca  | aggactccgt | ttctctgctc  | 1437960 |
| atcgactcgg  | agatacagaa  | ggaagctttc | ggacaacagt  | acgctgctct | ggctcccagag | 1438020 |
| gaatttgtgg  | cgaccctgac  | aaacgatttt | atccaaaatt  | atcatacgga | tgtgaaggaa  | 1438080 |
| ctgttcgagg  | ccgacatgca  | caacggcatg | aaagcagaag  | atgttccggc | ttggtataat  | 1438140 |
| tatgagtacc  | agatcagcac  | cacgctggaa | gcgggaagag  | acagcaacgt | atggaattac  | 1438200 |
| actgccgtca  | acttccagta  | tacaggcggg | gcgcatccca  | atacgtatgc | caaatacctg  | 1438260 |
| aactttgacg  | ccaagacggg  | taagaagctg | actgccgatg  | aagtatttgc | caaaaacggc  | 1438320 |
| gaagctaaaa  | tctgttcgct  | gattctacag | aaactgatag  | aagatgtgaa | caagaaaatg  | 1438380 |
| gaaaccgata  | ccatcaccag  | cgtggaaggg | cttcagtcgg  | tgggtatcct | actggatacg  | 1438440 |
| gatatctaca  | ttcccgaaaa  | ctttttgctg | ggtaaggacg  | gtgtaacggt | ttattacaac  | 1438500 |
| cattatgaaa  | ttgtccgta   | tgccggctgg | gatttcagcc  | tgaccgttcc | ctacgatgaa  | 1438560 |
| attagtgtct  | atttaaaata  | atcgtttcgc | ttacatggat  | attattctga | aatattttcc  | 1438620 |
| cgacttaacc  | gatacgcaga  | aagagcagtt | tgcagctctc  | tacgacttgt | ataccgactg  | 1438680 |
| gaacagtaaa  | atcaacgtga  | tttcgcgcaa | ggatatcacg  | aacttgtacg | aacatcatgt  | 1438740 |
| gcttcaactc  | ctgggtatcg  | ccaaggtgat | acagttcaag  | gcgggtacga | gtgtcatgga  | 1438800 |
| tctgggtacg  | ggaggtggct  | ttccgggtat | accgcttgct  | attctttttc | ccgatacgaa  | 1438860 |
| gttccatctg  | gtagacagca  | tcggaaagaa | ggtcagagtg  | gctaccgaaa | tagccaacgc  | 1438920 |
| tatcggactg  | aaaaatgtta  | ctacacgtca | ctgccgtgcc  | gaggaggaga | aacagttggt  | 1438980 |
| cgactttgtg  | gtgagccgtg  | ccgtcatgcc | tcttaccgac  | ttgtgaaga  | tcatccgcaa  | 1439040 |
| gaatatcagc  | agcgaacagc  | ataacgcgct | ccccaacgga  | ctgatctgcc | tgaagggagg  | 1439100 |
| agagcttgac  | agggaaagtt  | tgccggtgaa | gcacagacag  | atagtgaccg | acttgaagga  | 1439160 |
| tttcttctcc  | gaagagttct  | tcgaaaccaa | gaaagtagta  | tatgtcactg | taaacaagta  | 1439220 |
| atcaaaaacac | tgaaaataaa  | atgaagataa | aacgctttga  | attcaacatg | tttcccgtca  | 1439280 |
| actgttatgt  | gctctcggac  | gaaacagggg | aagcttcgat  | tatcgatgcc | ggatgttatt  | 1439340 |
| atccggaggga | gcagcagatg  | ctgaaaaaat | atatcggcga  | aaacaagctg | accgtcaagc  | 1439400 |
| atctgctgaa  | tacgcacctg  | catctggatc | atgttttcgg  | caatccgttc | cttttgccgcg | 1439460 |
| aattcggatt  | gaaagcggag  | gcacgcccga | aagatgagtt  | tctgctggag | aaactggcgg  | 1439520 |
| accagtgccg  | tatgttcggt  | ttccgtccca | acgaggaggc  | tgttccgctg | gggcattatg  | 1439580 |
| tggaagacgg  | cgaaaagatt  | catttcggca | atacagagct  | ggaagccatt | catgtgcccg  | 1439640 |
| gtcattctcc  | cgggggcatg  | gtgtattact | gcaaggcgga  | tgcttgtctg | ttcagcggtg  | 1439700 |
| atgtcttgtt  | ccagggtagc  | gtaggacgtg | ccgacctgga  | aggaggcaat | ttcgggtgaa  | 1439760 |
| tgatagagca  | tgtttccagt  | cgcttgctga | ctttgcccgga | tgaaacggtc | gtttatccgg  | 1439820 |
| gacatggcga  | accgactacc  | atcggaaaag | agaagatgga  | taatccgttc | ttcaaataaa  | 1439880 |
| gaacaaaatt  | cattgtcacg  | atttgtctga | aacgtgccga  | tgcttacaga | aaaacgtcgg  | 1439940 |
| cacgttttca  | actaaaaata  | ttttaccttt | ataatacctt  | gaaatcatga | aaacagatgt  | 1440000 |
| ttttgccaat  | cgtcacattg  | gcattaccga | aaatgatctt  | cccaaaatgc | tgagagagaat | 1440060 |
| aggagtaaag  | acattagacg  | gattgattga | taagaccatt  | cctgaaaaaa | tccgactgaa  | 1440120 |
| ggctccattg  | gacttgccct  | ctgccatgac | agaacgggaa  | ttcgccgaac | acatcagcaa  | 1440180 |
| gctggcttcg  | atgaataaaa  | tatataagtc | gtatattggg  | gcaggctggg | acgactcaat  | 1440240 |
| tactccggct  | gtgatacagc  | gtaatgtatt | cgaaaatccg  | gtgtggtaca | cctcttatac  | 1440300 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| accttatcag  | acagaaatct  | cacaaggacg  | actggaggcg  | ctgatcaatt  | tccagacggt  | 1440360 |
| agtaagtac   | ctgactgcc   | tgccgctggc  | caactgctcg  | ctgctggacg  | aggcaactgc  | 1440420 |
| ggctgcggag  | gctgcaacga  | tgatgcatgg  | attgagaagc  | cgcgcacagc  | agaaggcggg  | 1440480 |
| tgccaatac   | ttgttcgctg  | atcaggaaat  | atttccgcag  | aatcttgccg  | ttatccgtac  | 1440540 |
| ccgtgccatt  | ccgcaaggta  | tggaagtga   | agtgggtagt  | tacaaggaac  | tggagttcac  | 1440600 |
| acccgatata  | tttggttgca  | tcgtacagta  | cccgaacaac  | agtggtaatg  | tagaagatta  | 1440660 |
| ccgggagttt  | acggaacgtg  | cgcattgcggc | aggttgcaag  | gtagccgtgg  | atgcggatat  | 1440720 |
| tctgagtctt  | gccttgctgg  | ttcctcctgg  | tgaatgggtt  | gccgacatcg  | tattcggaag  | 1440780 |
| tacgcagcgc  | ctcgggtattc | cgatgtttta  | cgggtgtcct  | tcggctgctt  | atttcgcaac  | 1440840 |
| gcgtgatgaa  | tataagcgta  | acatgccggg  | acgtatcatc  | ggactttcga  | aagataagta  | 1440900 |
| tggaaagatt  | tgttaccgta  | tggctttgca  | aacacgtgag  | cagcatatca  | agcgtgagaa  | 1440960 |
| ggctacgtcg  | aatatctgta  | cggcgacggc  | gttgctggct  | accatggctg  | gcttctatgc  | 1441020 |
| gggtgtaccac | gggtccggagg | gaataaagga  | tattgccaaa  | cgtattcaca  | gtattgcaa   | 1441080 |
| ctggctcaac  | aagcagctgc  | ttcgtctggg  | atatacggaa  | cggaaactcta | ttttcttcga  | 1441140 |
| cacactccgt  | ctgggattgc  | ccgacctgt   | atcggctcag  | aaactgcgta  | ccatcgcgtt  | 1441200 |
| gagcaaggaa  | gtgaacctgc  | gctattacga  | caacggggat  | gtgggtctca  | gtatcgatga  | 1441260 |
| ggctactacc  | gtggcagatg  | ccaaccacct  | gctgatgatt  | ttcgggtatcg | ctgccgagga  | 1441320 |
| gccgatacac  | gaaacggagg  | atattccgga  | atcgtcctct  | ctgaccctg   | aattgcgacg  | 1441380 |
| ccgctcgtcg  | ctcctcactc  | acgaggtgtt  | caaccgttat  | catacggaaa  | cggaaatgat  | 1441440 |
| gcgttacatc  | aagcgtctgg  | atcgtaagga  | tatttctactg | gcccactcaa  | tgatttctact | 1441500 |
| gggttcatgt  | accatgaaac  | tgaatgctgc  | tgccgaaatg  | ctgccgctca  | gtaatgctgc  | 1441560 |
| atggatgaat  | atacaccgcg  | tggttccgga  | agatcaggca  | caaggatatc  | gtacgctgat  | 1441620 |
| tgagaatctc  | tctcgccagc  | tgctgacat   | tacaggattc  | gagggaaatca | cgcttcagcc  | 1441680 |
| gaactcgggt  | gctgcgggag  | aatatacggg  | gctgcgtatc  | attcgaagtt  | atctggaaag  | 1441740 |
| catcggaacg  | ggacatcgta  | acctgattct  | tatcccagct  | tcggcacatg  | gcaccaatcc  | 1441800 |
| ggcttcggct  | gtacaggctg  | ggtatcagac  | attgacgtgt  | gcttgcgacg  | aacggggaaa  | 1441860 |
| tgtggatgta  | gaagatcttc  | gccagaaagc  | agaagaacat  | aaggatcagc  | tggctgcgct  | 1441920 |
| aatgattact  | tatccgtcta  | ctcatgggtat | tttcgaaagt  | gatattgccg  | agatttgtaa  | 1441980 |
| gattatccat  | cgctgcgggtg | ctcagggtgta | tatggacggt  | gccaacatga  | atgcgcagggt | 1442040 |
| aggctcgacc  | aaccggggta  | ctatcgggtgc | ggatgtatgt  | catctgaact  | tgcaacaagac | 1442100 |
| gtttgccagc  | cctcacggcg  | gcgggtggtcc | gggtgtagggt | ccgggtatgtg | tagccaagca  | 1442160 |
| tctgattccg  | ttccttccgg  | gacacgcact  | cttcggcaac  | gaacagaatg  | aggttgcagc  | 1442220 |
| agctccttat  | ggtagtgcg   | gtatcctgcc  | tattacgtat  | gcttatattt  | gtatgatggg  | 1442280 |
| agccgaagga  | ttggaaagg   | ctaccaagac  | agcaattctg  | aatgcgaatt  | atcttgcggc  | 1442340 |
| ttcattgaac  | gatacgtatg  | gcacggttta  | tcgtggagca  | aatgggtttcg | tgggacatga  | 1442400 |
| aatgattctg  | gaatgcagaa  | agattcacga  | ggaaagtgtt  | atcaccgaga  | atgatattgc  | 1442460 |
| caaaaagacta | atggattacg  | gttatcacgc  | tcctactctc  | tccttcccgg  | ttcacggtac  | 1442520 |
| actgatgatt  | gagcctaccg  | aaagtgaag   | cttgatgatg  | ctggataatt  | tcatagaaac  | 1442580 |
| gatgctcagt  | atctggcacg  | agatagagga  | aatcaagaat  | ggcgatgctt  | cgaaggaaga  | 1442640 |
| caatgtactg  | gtcaatgcac  | cgcattccgga | atacgaagcg  | gtaggcaata  | aatggcagca  | 1442700 |
| catgtatagc  | cgtgaaaagg  | ctgtatatcc  | tacggaaagt  | atccgcgaga  | ataaattctg  | 1442760 |
| gatcaatgtg  | gcacgtgtag  | acaatacgtt  | gggcgaccgc  | aagttattgc  | ctactcgtta  | 1442820 |
| cggtagcttt  | gactaatgaa  | cggataacta  | caaaaaaata  | tcgggaccgt  | cctttcggac  | 1442880 |
| agtcccagata | tttttttatt  | tatgctttga  | ccgttacgcc  | atcgtaccac  | cgataaatatc | 1442940 |
| gagcaattcg  | ttcgtaatag  | cttgctgacg  | actcttggtg  | taaatcagcg  | taagctcctg  | 1443000 |
| aatcaaatcg  | tttgcggttat | cggttgctat  | ctgcattgcc  | atcgtacggg  | cagcatgttc  | 1443060 |
| tgctgcattc  | gagtcaagca  | atacgggata  | cattttcata  | cgtaataactt | tgggcaacaa  | 1443120 |
| ttcctgcac   | accttttctg  | ccgatgggtc  | gataatgtaa  | tcggcctgca  | tgcttttttc  | 1443180 |

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|             |            |             |            |            |             |         |
|-------------|------------|-------------|------------|------------|-------------|---------|
| ctgtttctcc  | tcggttgaag | cttgagcaag  | attaatcggc | aaatagggtt | cacgtgtcag  | 1443240 |
| gacctgagta  | gacgtcgact | tgaaatggtt  | gtacagcatt | tcgacctgct | gtatctcacc  | 1443300 |
| actcacgaaa  | cgatccatca | attcggcagc  | cagatcggaa | gcttctttgt | agttaggctt  | 1443360 |
| tccgctcatg  | tgctgataat | ctcccatcgg  | cgttatacct | aacttcttga | ctgcatccgc  | 1443420 |
| aactttacgt  | cctatcggat | acactaatat  | gttttccttt | cctaactgct | gaatatactc  | 1443480 |
| ctcaagcatc  | tcagacaaat | gacggattac  | attcacatta | aatccaccgc | acaggctact  | 1443540 |
| gttcgatgca  | aataccacaa | tggcaatctt  | cttcacatca | cgtttcacga | cgaaagggtga | 1443600 |
| ctccacactc  | aaccctgcat | tcagaaagtt  | ggtaagcatg | tgatgcagtc | ttcgttcgta  | 1443660 |
| aggaagcatg  | ttctctattg | cctcctgagc  | tttatgcagc | ttcgaagagg | caaccatttt  | 1443720 |
| catcgccgaa  | gtaattttca | gcgttcatt   | tatggagttt | attcttcctt | ttacttcttt  | 1443780 |
| cagtgatgcc  | atgatgatta | tctttcttta  | aattgtccag | ctgtttctgc | tgctactttt  | 1443840 |
| tcaatcaata  | ctgttacttc | atcgttgatc  | ttaccgctag | ccagtacatc | gagcacatca  | 1443900 |
| gcctgatggg  | tagcacgcat | attggtaagg  | aatgcacctt | ggaatgcacg | tactttgctg  | 1443960 |
| ataggaatat  | cgcgcatcaa | actgtgagtt  | ccacaatata | gaatagcaat | ctgctctcct  | 1444020 |
| accggcatcg  | gtgaatactg | cggctgaata  | agcaactggt | tgtttttacg | tccgcggtcg  | 1444080 |
| atagccattg  | cagttacagg | gtccatatcg  | ctgctgaact | tagagaaagc | ttccagctca  | 1444140 |
| cggtactgag  | cctggctgat | cttcaatgtc  | ccggcaactt | tcttcatact | cttgacctgt  | 1444200 |
| gcactaccac  | ctacacgaga | taccgaaata  | cctacgttaa | ttgcaggacg | gaatccctgg  | 1444260 |
| ttaaacaagt  | cggtttccaa | gaatatctga  | ccatcggtaa | tagaaattac | gtttgtcggg  | 1444320 |
| atataagcag  | aaacgtcacc | tgcttgcgtt  | tcgatgatag | gcaatgctgt | aagtgaacct  | 1444380 |
| cctgctttta  | cttttccctt | caggctggca  | ggaaggctat | tcactctgtt | tgcaacttcc  | 1444440 |
| tgctgattga  | taatcttagc | agcacgttcc  | agcaaacgag | aatgcaagta | gaagatatca  | 1444500 |
| cccggatatg  | cttcacgtcc | tgacggacga  | cgaagaatca | aagatacttc | acggtatgca  | 1444560 |
| acggcctggt  | ttgaaaggct | atcgtatact  | accagtgcac | gacgaccggt | atcacggaag  | 1444620 |
| tattcaccga  | tagcagctcc | agcaaattga  | gcaaaatact | gcatggcagc | aggatcggat  | 1444680 |
| gctgttgacg  | caacgactac | ggtataattc  | attgtctcct | tttcacgcaa | agcgtttaca  | 1444740 |
| agactggcaa  | cggttgaacc | tttctgtcct  | acggcaacat | agatacaata | taccggattt  | 1444800 |
| cctgcctcat  | aattggcagc | ctgggttaatg | attgtatcga | tagcgatagc | tgtttttctt  | 1444860 |
| gtctgacggg  | caccgataat | caactcacgc  | tgtccacgtc | cgatagggat | catcgcatca  | 1444920 |
| attgctttca  | aacctgtctg | caaaggctcc  | gttacaggct | ggcggaagat | tactcccggg  | 1444980 |
| gctttacgtt  | ccagaggcat | ttcaaacaat  | tcgcccccta | tctcaccacg | tccgtcaaga  | 1445040 |
| ggtacaccca  | gagggtcaat | cacacgtccc  | aacatgctct | cacctacatt | gatagatgag  | 1445100 |
| atacgtttgg  | tacgctttac | aatcatcccc  | tccttaattc | ggtcagtagg | accagaagc   | 1445160 |
| actgctccca  | cattgtcctc | ctccagattc  | atcacggtac | ccatgatacc | gttttcaaac  | 1445220 |
| tgcaaaaagc  | cattagcttc | tgcattgcgc  | aagccgtaaa | tacgtgctac | accatcgctg  | 1445280 |
| acctgtagta  | ccgttcccac | ttcgtcaaac  | ttcagtgaat | tatcgatacc | ttgcaactga  | 1445340 |
| cgcagcagta  | cttccgaaac | ttcgtctggg  | tttattgtat | tttctggcat | aactttttta  | 1445400 |
| ttaaaaaatga | taaatgaagt | aaatcttccc  | tcttcattta | cttaaacaat | tcttctgttt  | 1445460 |
| ctcgaataaa  | actgttgctt | aacgcgcttc  | aactgattag | ccacactggc | atccagacga  | 1445520 |
| taaccttcca  | gctcaatgat | atatcctcct  | atcaggctcg | gatcgatatg | tgcttccatc  | 1445580 |
| tcgacttttc  | cctgagtacg | acttccctatc | aagtccacca | aatgctcttc | caagcgtttg  | 1445640 |
| gaagggacag  | cggtagtaag | ttttccaacg  | aggatatatt | tatcttcacg | atataaatca  | 1445700 |
| atatacgacc  | acaacatgaa | ttgcaagaat  | ttttctcttc | tttcatcgag | caccaaagcg  | 1445760 |
| aagaaacgca  | tcaactcctc | actgacgtcc  | tttcttccc  | atgcttcacg | taacaattca  | 1445820 |
| catttacgtt  | tagcgtcaag | taccggattt  | tctatggccc | gacgcaaata | gggaacattt  | 1445880 |
| acataattgg  | cagcaagtgt | ctttacttct  | tcatacacc  | gatcttctac | cttctgcccc  | 1445940 |
| ttggcatacg  | ccagtaaggc | tcttgcgtaa  | cgcatagaaa | caactcctgt | attcatggca  | 1446000 |
| cgttattttt  | tagtagattc | aatcatttca  | tcaagcatat | gatcaatcag | ttcttctgtg  | 1446060 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| gcgacctgac  | ggcggatata  | gcgaatcgca  | ctttcttttt  | ccgtttcaat  | ctgtttcttg  | 1446180 |
| atttcagcca  | tcaagcgatt  | gccttcggta  | atagcacggt  | tctgcgcata  | ctttataata  | 1446240 |
| cggtcgcgtg  | tagcagctgc  | ttcagcaagg  | atacgggctt  | gctcttcgtg  | tgcttgagca  | 1446300 |
| agtacctttt  | caccctcagc  | tttcacgttt  | gccaatgtgt  | cgttggcctc  | acgcgcagct  | 1446360 |
| ttcagcgagt  | tatcaatata  | tgctttccgg  | tcctccacca  | tcttgatgat  | taccgggaag  | 1446420 |
| ccgtactttg  | ccaagacaaa  | gaatacgact  | ccaaagacga  | taatcatcca  | aaacagtagc  | 1446480 |
| cccggatccg  | gagttaataa  | tcccataaac  | taatgtttta  | ttataagaat  | aatgtcaaca  | 1446540 |
| aacaaacaac  | gatggcaatc  | agggcaacac  | cttctaccaa  | tgacgctgca  | ataatcatgt  | 1446600 |
| tcatacgag   | atcaccagaa  | gcttccggct  | ggcgagccat  | agcttccatt  | gccgatccac  | 1446660 |
| cgatacgacc  | gataccaata  | cctgcaccca  | atactgcgat  | acctgcgcca  | atagcagcac  | 1446720 |
| ctaacttact  | aataccaact  | cctgcagcag  | cctgcaataa  | aactgacaat  | aacataatct  | 1446780 |
| tttaaaattt  | taaatgggta  | tacttttatt  | tcttattttt  | ttgttatgct  | tcgtgactct  | 1446840 |
| ttacacgcga  | caatccaatg  | aagactgccg  | acagcattgt  | gaacacgtaa  | gcctggatga  | 1446900 |
| atgcaaccag  | aatttccaat  | gcattccataa | atataccgaa  | tgcaacggca  | acaaccgtca  | 1446960 |
| ttgagccatt  | aataacagga  | cccgctttta  | ctgtaatgaa  | gataattgca  | atcaagctca  | 1447020 |
| atacagcggc  | atgtcccggc  | atgatattgg  | caaaaagacg  | aatcatcaaa  | gcaaacggct  | 1447080 |
| ttgtaaagat  | accaaagaat  | tcaatcaacg  | gcattcatagg | aaccggagct  | ttcaaccaag  | 1447140 |
| ttggaacatc  | cggccagaat  | atctccttcc  | aatattcctt  | tgtaccataa  | atattggtga  | 1447200 |
| gcaaaaatgt  | tataagcgcc  | agcaccattg  | taatggcaat  | gttacctgtc  | acattcgctc  | 1447260 |
| ctcccggaaa  | tataggaatc  | aatcccataa  | agttattttt  | cagcacaaaag | aaaaaagctg  | 1447320 |
| tcagcaaaata | aggagcatat  | cgtttatagt  | ccttaccgat  | acagccttta  | atcacatcat  | 1447380 |
| cgtatatcat  | cagaatcagt  | gcttccatca  | taccgacacc  | accacgtgga  | gctccttgct  | 1447440 |
| caaccggatg  | tttcttgtac  | caacgtacgc  | aactcatcat  | gatgataagc  | agtactgcac  | 1447500 |
| tggtgataaa  | caatcccatt  | acattctttg  | taatagaaat  | atccaacgga  | cggacttctt  | 1447560 |
| caccagcagc  | attgcgttct  | acgattttac  | cgctgtacgc  | tccgccacgt  | gcaatgtaca  | 1447620 |
| gtccttcata  | ttccccttct  | tccagacgag  | aagaacaaaa  | gacatgccag  | cctgtactac  | 1447680 |
| tatgcacaat  | tactggcaaa  | ggaatactta  | caacagttat  | gccaatgta   | gctatatgcc  | 1447740 |
| attcataagc  | atcgccaata  | tgaccgaaga  | ccaattcggt  | cacattttata | tctccttctt  | 1447800 |
| tatttttctac | ggaagaagta  | gcgactgccg  | ttgagtcagc  | atttttgcgc  | atcagcattc  | 1447860 |
| ccgtcgtccc  | catcaacaga  | agcagaaaca  | gtgctatgta  | ccgtaatttt  | ttcattgttt  | 1447920 |
| actttttttac | tatttttcag  | tttcgtttca  | aaccagagga  | aaaagcgagt  | ttcaaataatc | 1447980 |
| agaaatgcaa  | agaagaaaaa  | cacataagtc  | agcatgaaag  | ccacgacctc  | gtgcccagata | 1448040 |
| aggaatgcgt  | aggcaaccaa  | tatcaacgca  | cttaaaatga  | atttcaacac  | tttacacgac  | 1448100 |
| aagtaacaca  | tcaccagttt  | ttccagtccc  | atacgatagt  | agaacgaaaa  | cattttctatg | 1448160 |
| taaaacaaac  | caaacagata  | aaagaatatc  | ggaatcgccg  | ggaaccataa  | aaaataaccgt | 1448220 |
| tcaggataaa  | agatatgata  | cactacagcc  | actaatgccg  | tcaacacgac  | tccaatcaga  | 1448280 |
| gtcaactctc  | taataaaactt | ttttctgatg  | gttaacaaaa  | acatagtatt  | gtgcagtttt  | 1448340 |
| tcttatcgga  | aagctgcaa   | aaacatttag  | gtcctacgcc  | cgtcttactt  | ttctcaaagt  | 1448400 |
| tcgacacaga  | ctgatatctg  | gttattgttt  | atgtcggcaa  | aacctcctgc  | gacttctaaa  | 1448460 |
| gtctgagttt  | ctgttcccga  | cgtataactc  | aattttcccg  | ccacgagtga  | cgaaataata  | 1448520 |
| ggtgcgtgat  | tcaccagtag  | ctgaaactct  | cccagttctc  | ccggaagagt  | tacttgagat  | 1448580 |
| actttcccgt  | cgaacaacat  | acgttcgggt  | gaaacgataa  | ctaaatgcat  | ttctttcata  | 1448640 |
| attcggttag  | ttttctttac  | cctttggcag  | cttcaagcaa  | tttctttcct  | ttttcgattg  | 1448700 |
| cgtcttctat  | cgtacctaca  | ttcaggaagg  | cctgttcagg  | cagatagtcg  | acttcaccgt  | 1448760 |
| ccagaatcat  | cttgaatccc  | ttaatgggat  | cttctataga  | aaccattaca  | cccggaactc  | 1448820 |
| ccgtaaaactg | ttcggctacg  | gcaaacggct  | gagaaaggaa  | tcgctgaact  | cgacgagcac  | 1448880 |
| ggtttactgt  | cagacggtct  | tcgtccgaaa  | gttcatccat  | acccaaaata  | gaaataatat  | 1448940 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| cctgcaattc  | cttattacgt | tgaagaatct  | gctttactcg  | ctgagcagtt  | tcgtaatggt  | 1449000 |
| ccttaccac   | aatcagcgga | tcaagaatac  | gagaagtaga  | ttccagtgga  | tccacagccg  | 1449060 |
| gatagatacc  | caattccgta | atcttacggc  | tcaacacggt  | ggtagcatcc  | aagtgtgtaa  | 1449120 |
| aggtagtagc  | cggagccggg | tcggtcaagt  | catcgccggg  | aacgtatact  | gcctgtacag  | 1449180 |
| aagtgataga  | accattcttg | gtagaagtaa  | ttcggttcctg | catctgtccc  | atttcggtag  | 1449240 |
| ccagtgtagg  | ctgataacct | acggccgaag  | gcatacgtcc  | caacaaagct  | gatacctcgg  | 1449300 |
| aacctgcctg  | agtaaaacgg | aatatattat  | caataaagaa  | agaatatca   | cgagggccgt  | 1449360 |
| tctcaccggt  | ctgacgatca | cggaaacgatt | cagcaagagt  | cagaccagac  | aatgctacag  | 1449420 |
| actgacgtgc  | gccaggaggc | tcattcatct  | gtccgaacac  | catagcaacc  | tgcgatttct  | 1449480 |
| ccacttccga  | ataatccacc | ttcgacaagt  | cccaatttcc  | ttcttccata  | ctcttcagga  | 1449540 |
| actcatcgcc  | gtagcgaata | actccagact  | caatcatttc  | acgcagcaag  | tcgtttaccct | 1449600 |
| cacgagtacg  | ttctcctaca | ccggcaaaaa  | cagagaaacc  | attgtgcttt  | ttagcgatat  | 1449660 |
| tattaatcaa  | ctccttgata | agtacggttt  | ttccaacacc  | cgcaccacca  | aacaatccaa  | 1449720 |
| ttttaccacc  | tttcagataa | ggctccaaaa  | ggtcaataac  | cttaataccc  | gtgaaaagga  | 1449780 |
| cttctgtgt   | cgtagccagg | tcttcaaatt  | taggcggttc  | acgatggata  | gggaaacctc  | 1449840 |
| ccgtcttatc  | cagttccttc | ataccgtcta  | tcgtttcacc  | gacaacgttc  | attactcgtc  | 1449900 |
| ccttgatttg  | aggaccaaca | ggcatggtaa  | tagcctgtcc  | ggtaagcatg  | acttccattc  | 1449960 |
| cacgctgcaa  | tccgtctgta | ctgtccattg  | ctacggtacg  | cacagtatct  | tcaccgatgt  | 1450020 |
| gctgctgcac  | ttccacaacc | aatgtacgac  | catcatttct  | tttgatcgtc  | atcgcatcgt  | 1450080 |
| gaatcttcgg  | caaagcatgc | tctgcgtcca  | cgccgtcgag  | tttgaatcga  | acgtcgacaa  | 1450140 |
| ccggaccgat  | tacctgcgaa | atgtgtccaa  | cgatttttga  | cataagctta  | atcttttatt  | 1450200 |
| ttataattaa  | aagttctctt | tgtagtctctg | aaaaaaactc  | ttttccgtaa  | tagtttaatg  | 1450260 |
| tttaactatt  | ccgtatggca | aattttataca | ataatctgcc  | aacaatgtac  | tctcaagtaa  | 1450320 |
| catttttttag | ccgtaaaacc | atgttttctg  | acacaaatca  | agcgattttg  | aacatacttt  | 1450380 |
| tttacagtat  | aagacatcta | taaacatttg  | ttcacatatc  | gtatttccat  | tttaatttttc | 1450440 |
| tttttctccc  | aaacattagt | aaacgaacga  | actatgtaac  | aaaaaaaaaca | tcccgacaag  | 1450500 |
| tcatagacc   | gtcgggacat | tccgtaaaaa  | cttcattaca  | atgagggaac  | atgattccca  | 1450560 |
| tccaaagcac  | atacatgcag | ccgatatacc  | ccgtacatac  | agctgctacg  | gcataattta  | 1450620 |
| ccccatcagt  | gttgcaacaa | ccttgcgggg  | acctccataa  | tcgcggaact  | cgcagagata  | 1450680 |
| gattccctgc  | cacgttccca | gattcagcct  | ccgcctgtg   | acaggaatcg  | taagcgagac  | 1450740 |
| acccgtcaga  | ctacttttgg | catgactggg  | catatcgta   | cttccttcat  | ctgtatgctg  | 1450800 |
| ataataactt  | tcattttcag | gaaccagccg  | attgtatatt  | cgttccatat  | catcccgcac  | 1450860 |
| cgaaggatca  | taattttcat | tgatactgag  | tgcaactg    | gtatgcttca  | caaagagatt  | 1450920 |
| cagcagacct  | gtttccggca | aagcaggcag  | atgcttcagc  | acttcttctg  | taaccagatg  | 1450980 |
| aaatcctctg  | gagcgagcct | ttaatgtaaa  | ttctacttgt  | tgtaccatct  | gtattcctcc  | 1451040 |
| attattattt  | ccgcagccag | atagcattta  | tcttacggcg  | tatgatgaca  | atattcagag  | 1451100 |
| ccgatacgcc  | tataaagata | atgatgcctg  | ttacaaccga  | aggaagcaca  | ctgccacttc  | 1451160 |
| cggcatcagg  | atataaattc | ataaccgtat  | ccagataaag  | cgagcggaca  | gctattactg  | 1451220 |
| ctacaactcc  | cagtgccagt | actaccagat  | tcaatataat  | agtgagcaac  | tgatacgggc  | 1451280 |
| gtgccacacg  | tgaggactg  | tagcctatca  | acagcagggt  | ctccagtttg  | gttgaattct  | 1451340 |
| tctgcaacag  | cagatagata | ctcaatatta  | atatatagaa  | cgaagcacg   | ctgataagca  | 1451400 |
| agcctaccga  | caatacgata | ccgattacca  | ccttcagaaa  | ccagcttgcc  | ttaccggcat  | 1451460 |
| ccaggctgtt  | gccttctgtt | tcatatcctt  | tttgttggaa  | gaacttggca  | attcgttcgt  | 1451520 |
| ctgtcggatt  | gttcacctct | acaatcaacc  | gtgaagggttc | agccttctgc  | cctgttccat  | 1451580 |
| aagtcgcatt  | tgcccagttc | ataaaagttt  | ccggcaccag  | aattgtattc  | aatcgattgg  | 1451640 |
| aaaagcccac  | gatatttccc | ttcaactgct  | ttacctggcc  | gttaccata   | atccggatat  | 1451700 |
| ccaggttcac  | catccccatg | actccctccg  | aaagttgcgg  | aagattccgg  | ctctgcgcaa  | 1451760 |
| agccaaagtt  | atacagattc | aggtaattgc  | gcgggataat  | gataggtacc  | acatccgatg  | 1451820 |

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|              |             |            |             |             |            |         |
|--------------|-------------|------------|-------------|-------------|------------|---------|
| aaggggtcaaaa | cgtccactta  | tccaacttca | catcaacaaa  | ctcgtcgggt  | acagactcga | 1451880 |
| aaaacatatc   | ggtagacatg  | cgtatccctt | gcatgcccac  | acccgcggat  | accttgaatt | 1451940 |
| gtgacggaag   | aaaacgacct  | acactcttag | taaattggctg | ttcttctatt  | tccgcaacat | 1452000 |
| cacccgtcga   | aaacgtactg  | ctctttccta | ccagagtctc  | cagcgtactg  | accttcttac | 1452060 |
| tgactattac   | aaaatctttt  | tttataaagc | tgctgccttg  | agtaaacacg  | ggcaatacat | 1452120 |
| cccgataaaa   | ctgaattccc  | agcaaaacga | taatcatgcc  | acacaagttg  | gcgagaaaaa | 1452180 |
| atccagccag   | ttgcgacaca  | ctgatatggt | gtcttaacaa  | tttccaaacc  | ataattcccg | 1452240 |
| tattttataa   | agaaagcacc  | ctgtcataat | tcagcgggag  | atgctttccg  | atagatgtaa | 1452300 |
| cgatgatacc   | tgctccctgc  | ttgccagcct | cttcctgcaa  | aatctcagcc  | atcacctttc | 1452360 |
| cgttaccgtc   | atccagatgg  | ctgactgggt | cgctcaggaa  | gataaagtcg  | aagggctgac | 1452420 |
| acaaggcacg   | gacaaacgca  | accctttgct | gctgtccgaa  | cgacattttt  | ccgatccgct | 1452480 |
| gatcccattt   | gtcggctata  | cccagacgcg | agaaccattc  | ctccacctga  | ctacgcttac | 1452540 |
| aatacccggt   | cagcgaattc  | ttcagctgca | cattttccca  | agcagtgagt  | tccggaaaaa | 1452600 |
| gccgcagctc   | ctgaaacaac  | atactcagcg | agcgctttct  | gatatccacc  | caacgacgga | 1452660 |
| ccggaaaagt   | cttcacattc  | tccccatcaa | aacaaatgat  | gccttgatag  | tctttccggt | 1452720 |
| agccatagat   | aaaactacaa  | agggaagact | tacctgtacc  | cgaaacagct  | tctatcagat | 1452780 |
| aagtcttccc   | ccgctgaaat  | gcgacctgac | ggtgccacac  | atcagaagta  | atactatccc | 1452840 |
| tgccggaaaa   | tacttccggc  | agagtttggt | gtaattcaat  | tgtttccatt  | ctttcttatt | 1452900 |
| taaacgcctc   | cagtatggtc  | tgaagaatat | ttttatcctt  | attggctcgtg | acaagttcca | 1452960 |
| ggtgtgccga   | cttataatcg  | gtagactcta | tcgtcatata  | atccagacag  | cccagtgcag | 1453020 |
| cggcagccga   | agcatactgc  | ttgttggcac | caagcacttg  | ttttgccata  | tctgccaccg | 1453080 |
| atgcaaagt    | catcccagata | tagcatcttt | taccgggaac  | attcttacc   | cacgcacaat | 1453140 |
| cacgcagtga   | aagtccctgac | acccgagcat | ctatcatatt  | cgcattcattg | gtaaaatata | 1453200 |
| agcggttggt   | tctcacaccg  | aaccagaaac | ttacgacacc  | tgacgcata   | ctcatcatcc | 1453260 |
| ggccgtcctg   | catgcggaac  | tcatagtcac | ttgcaccacg  | gttaaacagc  | tgcatctgtc | 1453320 |
| cgtttgatcat  | agccaaaagc  | ggcttcaagt | cttcgaatgt  | ctgcaagaac  | tgactgttcg | 1453380 |
| ttacatccgc   | ataggcaatg  | aatccgttct | gcaaaggatt  | tgtaggggca  | atagccatgt | 1453440 |
| ctcctttaat   | ggaactaaaa  | atagccttga | aatcaatcgg  | catgatggag  | ctttcgaact | 1453500 |
| gctggcggat   | cgtagcattc  | tcacacaaca | aatcgtatac  | ttttccaccg  | tccatatttc | 1453560 |
| ccgtcatcca   | gaagaatgta  | ttggcgggga | aggcatccag  | atacgtacct  | ttcaccggat | 1453620 |
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| ttacatccat   | cacgaccttt  | cccttttcga | agttcacagc  | cgaaaggact  | tttacatctt | 1453740 |
| tcaggttcat   | gctggccgaa  | gtccccatgg | taagaggagc  | cacatactcg  | cttggaatcc | 1453800 |
| agtcgagtga   | cgacaacagc  | acaatatccc | cctttgtttc  | cttcatacgc  | tgaaagtcgg | 1453860 |
| gagtagccgc   | aaaaccgtct  | ttctccgtct | ggcgaagcaa  | catggaagca  | gcagtcagca | 1453920 |
| tatccttcgc   | ctgtccgccc  | ttcagatcaa | gcatagccag  | aaaagcatta  | tctgtatatg | 1453980 |
| taaccagcac   | gttaccatc   | gccgtccaca | tacaaccgtc  | ggcttcctta  | ggcatgtcgc | 1454040 |
| acacctgctg   | gtcgtgcaaa  | gccttcagca | agtcttccag  | cttcccgtcg  | tccgacacac | 1454100 |
| gcatgaccaa   | tcctgtaaac  | acgccaccgc | atccgacaaa  | ataatatacc  | ttctccctca | 1454160 |
| gatcgagtcc   | actttccgaa  | ggatccttcg | tcaccttacc  | gataagttcg  | ccggctcctt | 1454220 |
| ccgccccact   | cttcagggca  | ttacttaacc | gtgctaccac  | cggagctcct  | tcatcgccgc | 1454280 |
| tcaatccgct   | cttatcagcc  | atcgaaacca | ggctcgaccga | catcactaca  | gccgcacctt | 1454340 |
| tcggggagaac  | cttttcataa  | tcattctttt | tgctgcacga  | tgccagcagc  | atgactgtta | 1454400 |
| ccagcaggca   | gctcactaat  | acgttccgat | tcataatctt  | cgtatgttaa  | ctattaaaca | 1454460 |
| aattcatggt   | atgtaccgcc  | accagcgctg | ccgtttccgt  | acgcaggcgt  | gatttcccca | 1454520 |
| gactgatggg   | ctggaatccc  | agcgattcag | ccttctccac  | ttcctcacgg  | ctgaaatctc | 1454580 |
| cttcggggacc  | aatgagcaca  | acagcatcct | cacccggtat  | caggacatcc  | ttcaacaagg | 1454640 |
| gcttttcacc   | ctcgtaacag  | tgagcgatga | acttctgccc  | gctgaaattc  | cgctgcataa | 1454700 |

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|            |             |             |            |            |            |         |
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| aacgtccgaa | atcttccatt  | tcgttgacaa  | tcggcttacg | cgccttgagc | gactgtttta | 1454760 |
| ccgccgaaac | tacaattttt  | tcgatgcgtt  | ccgtcttgat | gactttccgt | tccgagtacc | 1454820 |
| ggcagttcag | gaagctcagc  | tcacgaatc   | ctatctcggt | agccttttcc | acaaaccact | 1454880 |
| cgatacggtc | catatttttc  | gtaggagcca  | tagccaggtg | caggtgtcct | ttccagaaag | 1454940 |
| gctcctgagg | aatagtttcc  | gtcactttca  | cctgacagcg | ttttccgctg | gccgcactga | 1455000 |
| taactgcacg | gtagaaacat  | cccttcccgt  | cggtaagcat | cacttcatca | cctaccgtca | 1455060 |
| ggcgcaatac | ccgcaggcaa  | tgtccggcct  | cttcttcagg | taattccgga | ttgaccgcta | 1455120 |
| tgtccggagt | ataaaaaaca  | tgcataaatc  | tctactatth | atggttgatt | tgtattcttt | 1455180 |
| tctttgccct | cacgttttct  | gatttcatcg  | cgcaactgcy | atgcacgctc | gtaatcctcc | 1455240 |
| tgctccactg | cctctgccat  | tgcttttttc  | agtgaatcca | gatcgatagt | attgacagaa | 1455300 |
| accgtatacy | ttgacccgct  | aggagagatg  | ttgcgcaact | gttccctttc | cagaatatcc | 1455360 |
| tcgtaaacad | acaacgggaa  | tttctttcgg  | agagccagag | aatgacatc  | cgtagtacgc | 1455420 |
| gcatacaact | gaaattctgt  | tccgtctgcc  | cgctgcacat | acaagtacga | gctataaata | 1455480 |
| ccatctttta | cctcgtaaht  | caggcctttg  | acgggattca | gcccgccttc | cttcatcaca | 1455540 |
| gccagcatca | agtcgtgtgt  | aaaaggccgt  | ggaggagtat | acgacatcag | gcccattctg | 1455600 |
| atagcctgtg | cctcctgttt  | tccgataatc  | agggccagtt | tacgaaaatg | tccgccaagc | 1455660 |
| tcttccagca | ccagtgcata  | agcttccgag  | ggtctgagca | cggccgacat | atccaaaact | 1455720 |
| tttatctcta | tctcattcat  | tttttaggaa  | cctcatgttt | atattttaat | acaatgctga | 1455780 |
| acagaatggc | cacaatcagc  | gcataagccg  | caaagataaa | ccacgcatga | ctccatccgg | 1455840 |
| ctacttgtgg | ttcgggtgctg | ccgaagtcca  | caaactgggt | taccaccac  | tgtgactca  | 1455900 |
| aagttccgat | tgtagctccc  | agtccgttgg  | tcattatgat | aaacaatccc | tgcgcgctgg | 1455960 |
| aacgtacggc | tatgtctgtt  | tccttgtcca  | catacagcca | acccgacaca | ttgaagaagt | 1456020 |
| cgaaaaccac | accatacaca  | atcatggaaa  | gaataaacat | ccacactccc | gatcccggat | 1456080 |
| tacccagttc | gaagagtccg  | aagcgcaata  | cccatgcaat | catggcaatc | agcatcacct | 1456140 |
| tcttgatacc | gaaacgtccc  | aggaagaacg  | gaatcagcag | gatacagcag | gtttcactta | 1456200 |
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| gaatcgaccc | gaaactgggt  | ataaacggat  | tggcaaagcc | gttggttatc | tgcaaagaaa | 1456320 |
| cgcccagcca | catcgagaag  | ataaagaaaa  | tagccatctt | gcgctgacgg | aacagcaaaa | 1456380 |
| acgccttcaa | ccccaaagct  | tcgaccagcg  | atttctgctg | accgcctccg | ccacggctga | 1456440 |
| cgggacactg | aggcaacgta  | ttggcatata  | tcgccaaaat | gactccccac | gcagcacaag | 1456500 |
| taaagaactg | catgtagtta  | tcctggaatt  | tcagcaagtc | aaccagccac | atggaacaaa | 1456560 |
| taaatccgat | ggttccaaag  | gtacgaatcg  | gagggaaagc | cttgatggta | tctagtcttg | 1456620 |
| ccttgtcgag | tgccgtatac  | gccaccgagt  | tggacaaagc | cagtgtaggc | atgtaaaacg | 1456680 |
| ccacgctcat | ggaataaaa   | gcaaacaata  | tcggaaacga | caccgtatcg | cctgccgtca | 1456740 |
| ttccgtaata | tccggccctt  | accataaaca  | aggcggcgag | cagatgactc | agtcccagca | 1456800 |
| agcgctgcgc | cggaatccag  | cggtcagcaa  | taatacccg  | tatggccggc | atgaacagcg | 1456860 |
| aaacgatacc | ctgcatggca  | taaaatattc  | cgatatggct | tcccagacca | attttagtca | 1456920 |
| gataggatcc | catagacgta  | agataagctc  | cccacacagc | aaactgcagg | aagttcataa | 1456980 |
| tgatcagtcg | aatcttgata  | ttcatagttt  | tcatatatta | gttgcacaca | aagggtttcc | 1457040 |
| acaccctcca | tcaaaaatca  | aacaaatata  | agaaaagaaa | cgaaaagcca | aaaacatttt | 1457100 |
| tccgcagatt | ttacctttgc  | ccgttttcgga | gaagcagcta | caagccttac | agacacatag | 1457160 |
| tccgaagtta | ttttagccat  | accaagattt  | caggacaaat | tcaaaaaaac | aagcccttgc | 1457220 |
| cacagataag | acacggacag  | gtttcccgat  | ctttttgtac | aaaaaacaat | aaagtttgta | 1457280 |
| caaagtcaaa | aaagattttgt | acaaaaaacg  | agcagaacat | cttcggaata | tttgagaaaa | 1457340 |
| acggcagatt | ttgccaaaca  | gatgcagaga  | gttgacagcg | gacaatagcc | tacgcccttc | 1457400 |
| cctacggttc | tttcatttgt  | ccggaagtga  | agggcgtata | aaaatttttc | cttaatgatt | 1457460 |
| tcgtaccaga | tacagactat  | ggtcgatata  | caccggcagt | tcttccttat | agtgtgtgac | 1457520 |
| cataatcaag | gtcttgtcct  | tacgtttgca  | gaacgcttcg | atgacatcct | tcaccagacg | 1457580 |

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|             |            |            |            |             |             |         |
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| cacaaaagct  | cttgcaagca | gcaccatgcg | ctgttcaccg | ctggaaagtt  | gcaggaaatt  | 1457700 |
| ccggtccttc  | aaatccttga | taccgaaaat | atccatccac | cattcgcata  | cggcacggtc  | 1457760 |
| ttcatcgtgt  | gttttcttgt | acagcccgat | agaatcgtgc | aggccacttg  | ccacaatata  | 1457820 |
| gatggcaggc  | aggttcttca | gataggcagc | atgcatctca | ggacttacgt  | acccgatatg  | 1457880 |
| ttttttgatt  | tcccaaatac | tttctccgct | gcctcgtttg | cgaccgaaca  | gcgatataatc | 1457940 |
| gcaggcatag  | ctttgcgggt | tgtcggcaca | gaccaaactg | agcagggtcg  | actttccggc  | 1458000 |
| accgttatcg  | ccgctcagcg | cccatttttc | accgcaaagt | accgtccagt  | cgaggctctt  | 1458060 |
| caagatggta  | cgttccccgt | aacggatgct | caccttattc | aagtcgacga  | tgtgttcggc  | 1458120 |
| atgatacaag  | ttatcggcat | aaggcaaata | gaggatacgc | tgatattttt  | cttcggggcag | 1458180 |
| tacatgagcc  | ggcaccgttt | cgcgtaccga | cagatactct | tgaagtgtca  | tcttcttccc  | 1458240 |
| gcaggtagcg  | tcggccaccg | gaatgacatg | ggtgataaac | gtcgggatgt  | cgtctgtttt  | 1458300 |
| cgacaagact  | agtatgacct | gtaaaggcgt | tacttccgct | agttttacga  | acaaggatatg | 1458360 |
| gagtagatcg  | cgtgttttgg | catcgagtcc | gatgaatgga | ttatccataa  | tcagcacacg  | 1458420 |
| cggattagtc  | agcagcgttt | tggtaagctg | gaacttgctg | agctcgccac  | tggacaaaag  | 1458480 |
| gataatgtgc  | ttgtcgagca | tggcttctac | cccaaacaaa | tcgtacaaca  | ctttccggag  | 1458540 |
| ctcttcattc  | ttgcacgcag | gcaacaggtc | gcgtactacg | ggagtatcgt  | ccagatcctg  | 1458600 |
| cgaattccag  | cgctgctggt | agtaatatgt | cccgtcggca | tcgccatacg  | aatcgcgga   | 1458660 |
| agtaataatac | ttgatattat | cgcaggccag | cttcgattcc | gaaggagaga  | aatcgtattc  | 1458720 |
| cacttcgttc  | atcaacagcg | gatagcgtcc | gataatcgta | tcgaccagca  | aactcttgcc  | 1458780 |
| agctccggtt  | gctccaacaa | tagccacatg | ctctcctttg | gctatttgct  | ggttgatcgg  | 1458840 |
| ttctttcaac  | cgatacaaag | ggtgtctggt | caccccgctc | ttaattgtaa  | tgatattttg  | 1458900 |
| cattgtcgtg  | tattactgat | ggataatcat | tgccgaacgc | gggctgaccg  | taatctggtt  | 1458960 |
| tccggtaatg  | attcccagtc | ccagcaccag | atcgatcttc | ccgtcgcgac  | atgctatcca  | 1459020 |
| atattttacct | tcaggaatgt | taacttttat | cggttcggta | cgtgcattca  | gcaccactat  | 1459080 |
| cgtattcagc  | cacttatctc | cacaaggact | tcccttgatg | cggaaggcca  | cgacattggt  | 1459140 |
| tgccggcaca  | taaataaact | caagatgttt | acggatcagt | tcgggatcgc  | ccatacggaa  | 1459200 |
| agccggatgt  | gccttacgca | tgctgatcag | tcccctgaca | taatcgaaca  | cttcatggta  | 1459260 |
| cgtcgtcttg  | ttccgccagt | cgatggcatt | gacattgtcc | gactgattgt  | aggaattggc  | 1459320 |
| aacccttttc  | ttgtcgcgta | agatttcgtc | gccggcaaaa | atgaaaggaa  | caccctgcga  | 1459380 |
| agtcagcaca  | gccgtttcgg | tcagtttctg | caacgccttc | agttccggaa  | tgggaagcccc | 1459440 |
| ggggagtgtc  | gccttcaacc | ggtcggtcag | gcacaaatcg | tcgtgacaac  | tggcataact  | 1459500 |
| gatgaactga  | gatgggggat | ttgcccatat | cttgggtaca | cgacgtaccg  | aatcgttatt  | 1459560 |
| aatctgcgga  | tgagcaattc | ccccacaaat | accgaacttc | actccgattt  | cgtggggccg  | 1459620 |
| acgtccgatg  | atgaaggcac | ctttatcgct | attcccgaac | ggtccgcgca  | gactgtcgcg  | 1459680 |
| gaactcatcg  | ctgaaagctg | caatgcccg  | catctgatag | acattgtttt  | tcatggcaag  | 1459740 |
| ttcggcttca  | ggcaattttg | gagccttcgc | cgcccagcct | tctccatata  | taaaaatggt  | 1459800 |
| aggatctatt  | gcatcgagcg | ccttgccgat | ttccttcatg | gtcacgatata | cgtgtattcc  | 1459860 |
| catcaggctg  | aagcggaaac | cgtctacatg | atattcgcgt | gccagtagc   | acaccgattc  | 1459920 |
| tatcataaac  | ttccgcatca | tggcacgttc | actcgtgtt  | tcgttgccac  | atccggaggc  | 1459980 |
| atcggaacaa  | ttaccgtcct | cttcgtggcg | gtaaaaatag | cccggcacgg  | tccgttcgaa  | 1460040 |
| gttacttccc  | cgcgtcaaag | cggtatgatt | ataaccacaa | tccataatca  | cccggatgcc  | 1460100 |
| tgcccggtgc  | aacgccatta | ccatctgttt | aaactcgcgg | atgcgtacat  | cggttttata  | 1460160 |
| cggttcggtg  | gaatacgaac | cttcggggac | attatagtct | ttcggatcat  | acccccagtt  | 1460220 |
| gtactgcggc  | ttgttgagct | tggtttcatc | aatcgacgag | aaatcgaacg  | aaggcaacaa  | 1460280 |
| gtgcacatgt  | gtcactccca | gttccttcag | atggctgatt | cctgtctttt  | ctcccaaata  | 1460340 |
| cgtatgcgta  | ctgtcttccg | tcagcgccag | aaactttcca | cgattcttga  | ttcctgatata | 1460400 |
| cgtatcggct  | gaaaagtcac | gatggtgcat | ctcgtaaata | atgatatacg  | aaaagctctt  | 1460460 |

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|            |             |            |             |             |             |         |
|------------|-------------|------------|-------------|-------------|-------------|---------|
| caacggcggg | cggttatctt  | tctcccaccc | ctgcggatcg  | gtttccttca  | tgtcgacaat  | 1460520 |
| ggcagcacgg | tcaccgttca  | ctcccacagc | ctttgccatg  | actccgggag  | tatctccctg  | 1460580 |
| ccatacatcg | tctatcttta  | cattgaatgt | ataaaaacgt  | cctttcaggt  | caccgttcac  | 1460640 |
| cacagcctgc | cacataccgt  | cggaggcccg | ttccatacca  | atcatccggt  | aggcagctcc  | 1460700 |
| tcctttacct | tgttcataaa  | gcaagacacg | cacttcctga  | gccgtagggtg | cccacagcga  | 1460760 |
| gaaacgagtt | tctgccttgg  | aatagatcat | ttcctcccat  | ttcccctcat  | atacggggta  | 1460820 |
| gtcgtcgtaa | gaatcgatg   | aacttcgctg | gataggattg  | cagcccactg  | tcgttgcaac  | 1460880 |
| ggtcaacata | gctaaaaggt  | gttttacatt | catggttcta  | ttatTTTTTt  | actttatcgg  | 1460940 |
| gatttttctg | tatatagtct  | ttccaactgg | aataagcttt  | gggcatagac  | ggccgccccca | 1461000 |
| tttgacaggt | gtgacagtac  | gcagctccca | gcgcacatcg  | agcatccatg  | aaaggcccca  | 1461060 |
| tctccgactc | gggaatgtgc  | agcatgcgtt | tcaacatata  | tgcaacctgt  | tccttgctgg  | 1461120 |
| cctgcccgtt | cccgggtata  | gccatcttta | tcttcaacgg  | agcatactct  | gtgacgggaa  | 1461180 |
| tatctctgca | cagtgcagct  | acaatggcta | cgccttgagc  | ccgccctaac  | ttcagcatcg  | 1461240 |
| actgaacggt | ttttccaaag  | aacggagctt | cgatagccag  | ttcatcgggc  | agataagaag  | 1461300 |
| agataactcc | ctgtacgcgc  | tcgtagatgt | gtttcagttt  | caggtaagga  | tcgctacatt  | 1461360 |
| ttctcagatc | aatgacccct  | agcgtcatca | cctgcggctt  | cactcctgtc  | accttcagta  | 1461420 |
| ctccatatcc | catgatgttt  | gtaccggggg | ctatgcctaa  | aataattttt  | tcctttacgg  | 1461480 |
| gttgatcac  | ctgattacct  | ccattaatgt | agggaaacct  | actatTTTTt  | ccttgaacac  | 1461540 |
| tttcatcatt | tcttcattca  | gatgcattcc | ctgtttggta  | tgccagtgat  | gaagggcggc  | 1461600 |
| actgtcttct | acctccatt   | gcaatgaaa  | gcattcgtg   | tcttgttcct  | tatggctcag  | 1461660 |
| gatgcgcaaa | atgcggggat  | tgcgagttc  | gcccgatTTt  | tctacctcg   | gaatatagta  | 1461720 |
| ttcattcaac | caaatgacga  | agtttctcgc | atcgtttatc  | tctacatgaa  | aagttgtatt  | 1461780 |
| ataaatcaac | atagataata  | taattaatgg | tgTTTTTgtc  | ggcaaagtta  | gcaatttctca | 1461840 |
| cttattatcg | ttcccggcca  | ggaaaataat | tcaacgatta  | tatcggttgt  | tcggacaact  | 1461900 |
| tttattactt | ttgcgcatat  | taacacgatt | agtgtgcaat  | gaaacaatgg  | aaacaacgaa  | 1461960 |
| ctctttaata | cagctcatag  | aggaaagcat | ccgcaaaaac  | tggaatctgg  | atgcaatgac  | 1462020 |
| agactacaaa | ggagctactc  | tacaatataa | ggatgtagcg  | cgcaagatag  | aaaaaatgca  | 1462080 |
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| cagtgccaac | tggactgcta  | cattccttgg | agtaatcacc  | tacggagcgg  | tggctgtacc  | 1462200 |
| tatccttcac | gaattttaag  | cagacaatgt | acataatata  | gtaaaccatt  | cggaggcccg  | 1462260 |
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| agagaatgtt | tcttaccgac  | gcgaagagct | ggaagagctg  | gccgtcatca  | attatacttc  | 1462500 |
| gggaacgaca | ggatattcaa  | aaggtgtcat | gcttccttac  | cggagcatta  | tatcaaacat  | 1462560 |
| cgaacatatt | cataagaaag  | taggtctgca | tccgggcgac  | aatgtgggtat | caatgttgcc  | 1462620 |
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| cctgccgaaa | gtagacaaca  | aactgggcaa | actgttgctg  | aagctaccta  | tcgtcagcga  | 1462860 |
| caagatcaag | gaacaaatac  | gtacacatgc | catggaagta  | tttggaagta  | acttcacgca  | 1462920 |
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| gctgggatat | tacaagaacg  | aagaggctac | agcacaggct  | atcgaccgtg  | atggatgggt  | 1463220 |
| gcatacgggc | gacatggcaa  | tcaaggatgc | cgacggtaac  | atcttcataa  | aaggacgctg  | 1463280 |
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| ggaagccgcc  | atagaaacca | atcgtaacga | acttaacaag  | atgcttccgg | cttactcgca  | 1463520 |
| aattacacgc  | atcaagctgt | atcctgaaga | atgtgagaag  | actgccaaaa | agagtatcaa  | 1463580 |
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| aatccgggcg  | gatttgaccg | aaaacgtcgg | cacgtttttc  | tttactttca | ccggttcttt  | 1463700 |
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| cactctcgcc  | gtacaatata | tcaaacaact | cattgaagac  | acgcacgctt | accggcgcat  | 1463880 |
| tcttgctgta  | acgtttacca | acaaggctac | agccgaaatg  | aaaaagcgta | ttctggagca  | 1463940 |
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| agctacttca  | aaaaacgaga | ccgaaatacg | tcgtgcggca  | cgagaagctc | tgacaaacat  | 1464060 |
| catccacgat  | tacagtcggt | tccggataga | aaccatcgac  | tctttctttc | agtcgggtcat | 1464120 |
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| tgccggatta  | cgaaaaaac  | tggccgaccc | gacttttatt  | cctacgtatc | gcaagcagtt  | 1464420 |
| acaagatata  | cgtaagagg  | cactggaaga | aatgaaagga  | ttcaacgagc | agtttctcgg  | 1464480 |
| tgtactggaa  | gtaaacggac | tgacaccttc | cgacctgaaa  | aacgggtccc | gtggtatcgg  | 1464540 |
| aagctatttc  | aataagatag | ggaacggcta | tttaggcagt  | gacgtacgca | atgcaaccgt  | 1464600 |
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| ctcacgcatg  | cagtgggaga | acttccattt | gttgctcgaa  | gaaagccttg | cccagaagga  | 1465020 |
| aggcagcctc  | atcgtaggcg | acatcaagca | gagtattttac | cgctggagaa | acggcgactg  | 1465080 |
| gaaaaatcctt | gcgggactga | acgaggacaa | gaccttgctc  | gtacgtgaat | gtacgcttgg  | 1465140 |
| aaccaactgg  | cgaagtgagg | cacgtatcat | tcacttcaac  | aatgaaattt | ttacggctgc  | 1465200 |
| ctgcaacgtg  | ttgaaccagc | gttatgagga | tgagatggga  | gaaccttgca | tacaactaca  | 1465260 |
| gaatgcttac  | agcgatgtgc | gtcagcaaac | ggctaaaaag  | gaggaaaagg | ggtacgtaaa  | 1465320 |
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| ggcatccgaa  | gtcgattctc | taatcactca | gggtgtccgc  | acaaacgata | ttgctattct  | 1465440 |
| ggtacgtaag  | aacaagacca | ttcccgccat | tgccgactat  | ttcgataagc | atacgcttta  | 1465500 |
| ccggattgta  | tcggacgagg | ctttccgcct | ggacgcttcg  | ctcgccatct | gcatgatgat  | 1465560 |
| ggatggtttg  | cgttacctta | cttctcccga | cgaccgcatt  | gctcaggcaa | gactcgccgt  | 1465620 |
| agcgtatcag  | cgcaagtagc | tcaaacaaga | caccgactta  | aatactgttt | tgctgaatca  | 1465680 |
| gataagagcat | taccttccgg | caggcttcgt | tcttcagcag  | gaagaattga | gattaatgcc  | 1465740 |
| cttgtagcag  | ttgctggaga | agctgtttgt | tctattcgat  | atgcaacgca | tcgagaaaca  | 1465800 |
| agatgcttat  | atctgcgcct | tctacgatgc | agtacagag   | tatatgcaga | ataactcatc  | 1465860 |
| ggaactgacg  | gcctttatct | cgttctggga | cgagcggctt  | cacgaaaaga | ctattccttc  | 1465920 |
| cggagaaata  | gaaggtatcc | ggattctgtc | catccataag  | tcgaaaggac | tggaatatca  | 1465980 |
| tacggttctg  | atacctttct | gcgactggaa | aatggaaaac  | gaaaccaaca | gtcacctgat  | 1466040 |
| ctggtgttca  | gtagcaggta | cgggaaagaa | tacagacctt  | cccccttca  | acgaactgga  | 1466100 |
| tattgttccg  | gtcaactatt | cgggagcaat | ggccgaatcg  | gtctaccgcg | acagctatct  | 1466160 |
| agaagagcgt  | cttcagcttt | gggtagacaa | tctgaatctg  | ctgtatgttg | cctttactcg  | 1466220 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgcttgaag   | aaccttatcg  | tatggggaaa  | ggccaagcag  | aagggaaccg  | tttccgaatt  | 1466280 |
| actcttagaa  | gcattgcccc  | acattaagtt  | ggacatgaac  | gatacttcca  | actgtaatac  | 1466340 |
| cgaaactcag  | gaaggtaccg  | atgaagatgt  | taccgatata  | tatgaatacg  | gaaaactctg  | 1466400 |
| tctgtcggaa  | gaaacgaaga  | aaaaagcgac  | agagaacccg  | ctcgccgtac  | agcctgaaaa  | 1466460 |
| catcccgggt  | catattgaat  | cgatagaaac  | ggaaatagaa  | ttcaagcagt  | ccaaccgctc  | 1466520 |
| tgccgacttt  | atccggggag  | aggaagatga  | tgacgaaacg  | ggacgttaca  | tccgtcaggg  | 1466580 |
| gcaattgttg  | cacaatcttt  | ttgcctctat  | ccgacaggaa  | ggtgatttgc  | cgcaagctat  | 1466640 |
| cgaacggcta  | cgcttcgaag  | gtatattgga  | gtccgacaaa  | caggagaaaac | agattcagaa  | 1466700 |
| actggctcaa  | tgggactcgg  | gtaatccgag  | ggtgaaagac  | tggtagacagc | gagaatggga  | 1466760 |
| gctttacaac  | gaatgcagca  | ttattttatac | cgatgaagag  | ggcgatcatgc | aaacccgacg  | 1466820 |
| tccggaccgt  | gtcatgatga  | aagacggaca  | agtagtggtta | gtagacttca  | agtttggttaa | 1466880 |
| acccaaagac  | ggttatcgcc  | agcaagtccg  | cgaatatatg  | gatcttttgt  | ccgctatggg  | 1466940 |
| gtatgaacag  | ataagcggat  | atctgtggta  | tgtgttcgct  | aatgaactgg  | aagagggttaa | 1467000 |
| ataaacgata  | aaagccatct  | ggatatatgg  | aaacattttt  | gaaacaagta  | gcacacgatt  | 1467060 |
| tatataaaaa  | aaccgaaggc  | gactttacga  | aagttgcat   | tgtattcccg  | aacaagcgtg  | 1467120 |
| ccagcctgtt  | cttcaatgaa  | tatctggctc  | aggaaagcga  | ccgtcctatc  | tggctgcccc  | 1467180 |
| cctacgtcag  | catcagcgaa  | ttgttccgcc  | agtcgtccga  | actgaccatt  | gccgaccgga  | 1467240 |
| taaagctggt  | ttgcgatctg  | tacaagggtt  | tccaaaaagc  | caccggaagc  | aaagaaaccc  | 1467300 |
| tcgatgattt  | ttacttctgg  | ggagaaatgc  | ttattgccga  | ctttgacgac  | gcagacaaga  | 1467360 |
| acatggccga  | tacaaaagcg  | ctcttcagta  | acctgaaaga  | cttgaacgaa  | ctgatggata  | 1467420 |
| actatgattt  | tctggaggaa  | ggacaaaaag  | aggcatcgag  | ccagttcttc  | cataattttt  | 1467480 |
| ccatcgacca  | ggaacagaa   | ctgaagcaac  | gtttcatctc  | tctatgggat  | gtgctgggtg  | 1467540 |
| atatttacac  | cgaatacaag  | gcacagctgg  | aaagccagtc  | gattgcatac  | gaaggaatgc  | 1467600 |
| tgtaccgaca  | ggtgatagag  | caactggatg  | tggaggctct  | cccctatcat  | acatacgtat  | 1467660 |
| tcgtagggtt  | taatgtactg  | aataaggtag  | aacatactct  | gttcaagaaa  | ctgaatgaag  | 1467720 |
| cgggaaaggc  | tcttttttac  | tgggattacg  | atacgtttta  | tctcaacaaa  | acgcctcacg  | 1467780 |
| aagccggaga  | atztatccgc  | cgtaacctgc  | gggatttccc  | gtcggaaactg | ccagtatcct  | 1467840 |
| gcttcgacaa  | cctgagccag  | cccaaagata  | taacctttat  | tgagtcaccg  | actgagaacg  | 1467900 |
| gacagggttcg | atatttgccc  | caatggattc  | gggaaaacct  | cacgccagag  | gagaaagaaa  | 1467960 |
| cagcgggtgt  | actatgcaat  | gaagcactgc  | ttcagcccgt  | actgcattct  | ttgccggaca  | 1468020 |
| atgtaaaagca | tatcaatatc  | acaatgggat  | ttccgctttc  | gcagactccc  | gcatacagtt  | 1468080 |
| tcgtcaacgc  | tctgatggaa  | cttcatactt  | cgggttacaa  | tccaaacaac  | ggacgttatt  | 1468140 |
| tgtttgcgga  | agttatcagc  | gttttaaagc  | atccgtatac  | ccgtcagttg  | tcgcccgaag  | 1468200 |
| ccgagaaact  | ggaacaaact  | ctcaccgcg   | acaaccgttt  | ctatccgctt  | ccttcggaat  | 1468260 |
| tgaacaaga   | cgaagtactg  | gaactgttgt  | ttacgccgcg  | tagaaacaac  | ctcgacttat  | 1468320 |
| gctgcatgct  | gtcggaaaca  | ataaaaaaag  | tcgctaccat  | ttaccagcaa  | caagcagcct  | 1468380 |
| ctcactccga  | tgcattcgac  | cagctgtatc  | gtgaatcctt  | attcaaaaacc | tatacatttg  | 1468440 |
| tcaaccgctt  | tcatacctta  | attgagagca  | aggaactgaa  | tgttcaggca  | ggtaccttcc  | 1468500 |
| agcgcttgct  | caccctgtgc  | atgtcttcat  | cgagcatccc  | ttttcacgga  | gagccggcca  | 1468560 |
| tcggtatgca  | agtcattgggt | gtactggaaa  | cacgtaacct  | cgacttccgt  | catctcatcc  | 1468620 |
| tgtttccgt   | caacgaagg   | cagttgccta  | aagcaggagg  | cgatttctct  | ttcatcccat  | 1468680 |
| acaacttacg  | aaaggctttt  | ggcatgacga  | ccatcgacca  | taaaatagcc  | gtttatgcct  | 1468740 |
| attattttcta | tcgcttggtg  | caacgagccg  | agaaggtaac  | gctgggtatac | aataaccgcta | 1468800 |
| ccgatggcat  | caaccgcgga  | gagcaatcac  | gcttcatgct  | ccagttcctg  | atagaatggg  | 1468860 |
| gacatcccat  | acagcgtaag  | caactggaag  | ccgaacagtc  | cccacaaggt  | tctgctccta  | 1468920 |
| tcaccatcga  | aaagacaccc  | gacatcatgg  | aacggatgcg  | aaaggatttc  | gaccttcaga  | 1468980 |
| gtaacccgaa  | ggctattatt  | tcaccatcgg  | ccctgaactg  | ctacctggac  | tgttcgctga  | 1469040 |
| agttctatta  | taaaatgta   | gctctgctta  | gtgccccgga  | tgaagtgagc  | gcagacatcg  | 1469100 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| actcggccaa  | gttcggcagc | atcttccatt | atgcagcgga  | acatatctat  | aaagacctga | 1469160 |
| caagccacgg  | gaaactgata | aacaaagaga | acctggaaac  | gcttttaaaa  | gatgaagtcc | 1469220 |
| gcctgcaaac  | ctatgtagac | aacggattca | aaaagctggt  | ctttaacctt  | cctccagatg | 1469280 |
| agcagcctga  | atataacggc | attcaactca | tcaactcagc  | cgttatcctg  | aagtatgttc | 1469340 |
| agcaactcct  | tcggaacgac | ctgagatatg | ctccgtttac  | ctttgtcggg  | tccgagcaac | 1469400 |
| ctgtgtatga  | aaatataacg | attcaagcag | cggataaaat  | cattcagtca  | cgtataggag | 1469460 |
| gtatcatcga  | ccgtatggat | acaaaagacg | gaaccctacg  | gattgtagac  | tacaagacgg | 1469520 |
| gaggcgatgc  | cgataccccc | gcaaacattg | cttcgctctt  | tattccccgat | aaaaaacggt | 1469580 |
| cgaactatgt  | tttccaaacc | tttctttatg | cctccatcgt  | ctgcaaacta  | ctgagagggg | 1469640 |
| aaaacgcagc  | ccgacgggta | gctcctgccc | tgctatacat  | tcacggggct  | gcttcggaaa | 1469700 |
| attatttctcc | ggttattcag | ataggagaac | cccgcgaagc  | gaaagaacca  | gtagaagatt | 1469760 |
| tcgcaaaaata | cgaagaagag | tttcgaaagt | acctgaatga  | attactggaa  | acgatcttca | 1469820 |
| attctaattgt | atcttttacc | cagaccgata | tagaagacaa  | atg'gcctat  | tgtgatttca | 1469880 |
| aggcactttg  | caagaaataa | tgactgattc | acggacaggg  | aattttggca  | tcctccataa | 1469940 |
| aagggcctga  | aattccttgc | cgataaatca | actcttttaa  | aaatctaaat  | tatcatagaa | 1470000 |
| aaagaataaaa | acttatataa | cctaaatctt | attctatcta  | tcctcactcc  | gctaaactaa | 1470060 |
| tactacaatg  | aacaaactat | tattcgtccc | tattgctata  | tgcggcgtca  | atcaatatat | 1470120 |
| aaatgcccaa  | tcacctcaat | ctcctaacat | tgtacttatt  | ctttgcgatg  | atatgggctt | 1470180 |
| ttccgacctta | ggatgttacg | ggagcgaaat | ccaaactccc  | aatatcgaca  | agctcgctca | 1470240 |
| ggaaggagta  | cgcttcagtc | agtttaagaa | caccggaaga  | agttgtccaa  | gccgagctgc | 1470300 |
| cctactaact  | ggcagatacc | agcatgaagt | aggaatgggc  | tggatggccg  | aggttgacga | 1470360 |
| acatcgtccc  | ggttacagag | gacagctaga | caaagcatat  | cctaccgtcg  | ccgaagtcac | 1470420 |
| gaaagcgggt  | ggatattcca | catacatgag | cggaaaatgg  | cacgtaacga  | caaccggcgg | 1470480 |
| atacgatgct  | cctaacggaa | gttatcctgt | acaacggggg  | ttcgacaaat  | actatggctg | 1470540 |
| cctgcacgga  | ggaggaagtt | attataaacc | cgatccgggtc | tataataatc  | tggacagaat | 1470600 |
| caccgactta  | cccgatgact | attattacac | taaagccatt  | accgactcgg  | ccgtaagttt | 1470660 |
| tgttcatgcg  | cacgataccc | ggaaaccgat | gttcttatac  | gtagccatt   | atg'gcctca | 1470720 |
| cttgccactc  | caagcaccgg | ccgaatatgt | aaaaaagtgc  | atcgaccgtt  | ataaagtcgg | 1470780 |
| atatgatgtc  | ttacgcaagc | aacgattcga | aaagcaaaag  | agcatcggac  | tggtagccga | 1470840 |
| tagtctggaa  | cttccgatat | tcaacaaaga | atgttggtggc | aaacgtccgg  | catgggaaga | 1470900 |
| cctgacgcct  | cagcaacagg | agaaatggat | aaacgatatg  | gctacttatg  | ctgccatgat | 1470960 |
| tgaaatcatg  | gacgaaggca | tcggcaaact | ggtcgatgag  | atcaagaaga  | aaggtatata | 1471020 |
| cgagaatacc  | gtctttctct | tcctgagcga | caacggagct  | accgatgaag  | gagggtttat | 1471080 |
| cggacaatta  | atgtctgact | tatcgaatac | accctataga  | agttataaga  | agtgggtttt | 1471140 |
| ccaaggagga  | accagtactc | cgttcatcct | tacctatggc  | gacaagaaga  | aaaataagat | 1471200 |
| gaaaggagaa  | atctgtcacc | agccggcaca | tatcatcgat  | atcatgccaa  | catgcatggc | 1471260 |
| tttgggaaaag | gtaacatacc | ccaagacggt | tgctcatgct  | gacctgccgg  | gaaccagcct | 1471320 |
| gcttccagct  | tcacaaggga | aagctcttga | accaagaacc  | ttatacttcg  | agcatcaaag | 1471380 |
| ttcgtgtgcc  | attatagacg | gcacctggaa | actggtcaaa  | gccgacagag  | acagccaatg | 1471440 |
| ggaactgatc  | aatctggcta | ctgatccatt | cgaaccaat   | gacctcgcag  | aaaaataccc | 1471500 |
| cgaaaaaagta | gaagaactgg | aggccaaatg | gattgactgg  | gccaacaccc  | ataaagtatt | 1471560 |
| tcctctggaa  | aacaggaaat | ggacggaacg | aatcaatttc  | tatcacaaga  | agaaccctaa | 1471620 |
| ccaaaaagga  | aatcagtaac | aacttaaatc | atactgcatg  | aagaaatcaa  | ttccctacat | 1471680 |
| ttatttctgt  | ctttgctgcc | tgatgacatg | catcacacag  | caaagttttg  | cttaccaacc | 1471740 |
| ggaatattcc  | actgccggtt | ttttcgaact | tccccacacg  | ggacgaacgg  | tgtatagtat | 1471800 |
| gaatcctgcc  | tggcgtatgt | acaaaggaag | tctgaaagga  | gccgaacagc  | ccggattcaa | 1471860 |
| cgacaaaagaa | tggaatcttg | tttccctacc | cgacggcata  | gaatatgttc  | ctacagaagc | 1471920 |
| cagcggatgc  | gtcaactatc | agggagaagt | atggtaccgg  | aaacatttta  | caccggaggt | 1471980 |

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|-------------|-------------|------------|------------|-------------|------------|------------|---------|
| ttcctgga    | aaa         | gggaaacaac | ttttcctaca | ctttgaagcc  | atcatgggga | aatccaaggt | 1472040 |
| atggattaac  | gggacgctgg  | tcaacgagca | cttcggcgga | ttcctgcctg  | tcattgccaa |            | 1472100 |
| tgtaaccgaa  | tacatcaagt  | atggagaaga | taatgtgatt | gccgtatggg  | cagacaacag |            | 1472160 |
| caatgatcct  | tcctaaccctc | ccggaaagcc | acaagacca  | ctcgacttta  | cgtatttttg |            | 1472220 |
| aggtatctac  | agagattgct  | ggatgattgt | acataacaac | atattttatta | ccgatcctaa |            | 1472280 |
| ttatgagaac  | gaaacagccg  | gcggaggact | cttcgtttca | ttcggacaga  | tttccgaaaa |            | 1472340 |
| atcggcagaa  | gtaagattag  | atgccacat  | ccgtaacctg | tcggacaagt  | cgttctccgg |            | 1472400 |
| aaaagttgcc  | taccagttgt  | tcgataaaga | caaccgactt | gtatgtcagg  | ctgataaatc |            | 1472460 |
| gttctcggta  | agcaagggaa  | aggcgcgtaa | aacttctctc | acccttacgg  | tagagaatcc |            | 1472520 |
| tgaattatgg  | gaaccggaca  | gtccgtat   | atatcagctt | catgtcctga  | tcaaggataa |            | 1472580 |
| atcaggacag  | accgtcgacg  | gataccgccg | acgcatcggt | atccgaagca  | ttgaattcag |            | 1472640 |
| gggaaaagat  | ggtttctggc  | tcaacggaaa | gccttacctt | tatccgctga  | taggagccaa |            | 1472700 |
| cagacaccag  | gattttgccg  | tgataggcaa | cgcactttcc | aacagcctcc  | attggagaga |            | 1472760 |
| cgccaaaaag  | ctgcgtgatg  | caggactccg | ggtgattcgt | aacgcccact  | atccgcaaga |            | 1472820 |
| ccctgcattt  | atggatgcct  | gcgacgaact | gggcctcttc | gtgatagtca  | atacgccggg |            | 1472880 |
| ctggcaattc  | tggaacaacg  | aaccggtatt | cgcacaaaga | gtttacagcg  | atattcgcaa |            | 1472940 |
| catggtgaaga | cgcgacagaa  | accatccttc | tgtctggatg | tgggaacca   | tcctgaacga |            | 1473000 |
| aacatggtat  | ccggaagatt  | ttgccaaaa  | cgttgtcgat | attcttcacg  | aagagtatcc |            | 1473060 |
| ttacccttat  | tgtacgcgg   | gatgtgatgt | caccgcaaaa | ggacatgaat  | actttcccat |            | 1473120 |
| ccactttact  | catccgttga  | acggagcggg | aggagccttc | aacacagcaa  | ccatggatcc |            | 1473180 |
| taagatttca  | tatttcaccc  | gcgaatggg  | agataacgta | gacgactgga  | attcgcataa |            | 1473240 |
| ttctccaagc  | cgggtgaacc  | gtgcatggg  | ggaagtacct | atgctgattc  | aagctcaggg |            | 1473300 |
| atatgccaaa  | acagactata  | aatatacctg | ctacgatgct | ttataccgca  | atacacggca |            | 1473360 |
| gcacatgggt  | ggatgcctct  | ggcattcttt | cgaccatcag | cgcggtatc   | atcccgatcc |            | 1473420 |
| gttttacgga  | ggtatcatgg  | atgcattccg | tcagcctaaa | ttgtcttact  | atatgttctg |            | 1473480 |
| ctcacagcgc  | cctgccgaaa  | cgaacgacaa | gctgatggca | gaaaacggtc  | cgatggtatt |            | 1473540 |
| catcgccaac  | gccatgacac  | ctttctcacc | gaaagatgtt | acagtataca  | gcaactgcga |            | 1473600 |
| cgaggtagct  | ctaacttact  | gcaaggacgg | aaaacagttg | gtctataaga  | aagagaaaac |            | 1473660 |
| aaacgaaggc  | atgccctcac  | cggttattac | gttcaaggac | gtatgggatg  | taatgtacga |            | 1473720 |
| caagcagctg  | gccagagcac  | gtaagcatgc | agactcttac | ctgctggcag  | aagggctcgt |            | 1473780 |
| agatggaaaa  | gtggtagcta  | ctcataaggt | aatgcctgcc | cgacgtcctt  | cccaaatcaa |            | 1473840 |
| gttatggg    | cc          | gacaatgagg | gtatgcagac | aacagccgac  | ggctcagacc | tgattacgat | 1473900 |
| cgttgcagcc  | atcaccgatg  | acaatggaaa | catcaaacga | ttgaacaact  | gtcacatcaa |            | 1473960 |
| gtttgagata  | gaaggcccgg  | gagaacttgt | cgcaagcgaa | gaaacattta  | ccaacccccg |            | 1474020 |
| tgccgtacaa  | tggggaacgg  | ctccgattct | ggtacgtgcc | aaagctcagg  | aaggtagcat |            | 1474080 |
| caaaaattaa  | gcatcggctc  | taccagcgg  | aatacacact | ccggtttctg  | ccgaactcgt |            | 1474140 |
| catcccagc   | acaaaggcgg  | cacaccggtt | cattgccgac | aagaatgagc  | tgaatcttct |            | 1474200 |
| gttgaacggc  | tccggaaaac  | gagaaaacca | gtcttcagtc | aatcaggcag  | acgaagaaat |            | 1474260 |
| gcgcaagcaa  | cagcaggaac  | aaagccggat | gaaactgaaa | gaggtggaac  | aacagcaaa  |            | 1474320 |
| cgactttgaa  | taagtcattt  | ccctataaaa | aaacaaatcg | tgcaggctct  | cgagtctgca |            | 1474380 |
| cgattttgtt  | tttctgatac  | ctctttccgt | atcctatgat | gtagaaacag  | aaaaactgtt |            | 1474440 |
| tttaggacaa  | gccctctatt  | tcaccattta | cgatatcaat | atgcaatgcc  | tgcggttctt |            | 1474500 |
| ttggcaatcc  | cggcatacgc  | atgatttctc | cagccacgat | aaccagcatc  | tcggctccgg |            | 1474560 |
| cattcaatac  | gatatcgcg   | acgtggaatt | caaagtcttt | caccactccg  | tacaacttcg |            | 1474620 |
| gatcggtaga  | gaatgaatat  | tgtgtcttag | cgatacagat | agggaaatgt  | ccataaccaa |            | 1474680 |
| gttcctgtat  | gcgtttcagt  | ttctttctag | ccgctgcact | gtaagtaatc  | atgttcgcac |            | 1474740 |
| catacaggtt  | gcatgccact  | ttcgaaatct | tttcttctac | actatcctca  | tcgttataag |            | 1474800 |
| ccagatgcaa  | cgggtcccga  | ggctgctttt | cgatggtatc | tactacaaga  | ttagctagtt |            | 1474860 |

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|            |            |            |             |             |            |         |
|------------|------------|------------|-------------|-------------|------------|---------|
| ccactgctcc | agcaccacct | tctacatagg | cattatttcac | cgcaaaacct  | actcccagtt | 1474920 |
| ccgcacaatg | ctgacgaacc | agatcaatth | cttcttccgt  | atcgtttgca  | taacggttga | 1474980 |
| atgcaaccac | taccgtctga | ccgaaagaac | gaaggttctc  | gatatgtttg  | tcgagatttg | 1475040 |
| ccagtccctt | aaccagtccc | tctgcattcg | gttcttttat  | ctgggtcaaga | cttacaccac | 1475100 |
| catgcatttt | caatccttgt | gctgtcgcta | cgataacagt  | cagcttaggc  | tgcaaaccgc | 1475160 |
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| gaaccaagtt | tggtgcaatc | gcgtctttca | gcaatacgtt  | aattgctccc  | gctacaccca | 1475400 |
| aatcttttac | agtaaaccgc | ttgttgtcga | ttgtgaagcc  | cagcaaaata  | ttctcaatac | 1475460 |
| ggcgacgcaa | atcgtcttca | tcttttgcca | gacaaagaat  | agccatgatt  | tccgaagccg | 1475520 |
| gtgtaatatc | gaagcttgac | tcacgagtga | taccgttcga  | tttaccgccc  | agtccggtaa | 1475580 |
| tgatataacg | caatccgcgg | tcgttcacat | cgagtacacg  | gttcacaaac  | acctctttca | 1475640 |
| gtgcaaagcc | gttatcctgg | ttctgataca | tgtagtgtgc  | cagcaaggca  | gcaatcatgt | 1475700 |
| tatgtgccga | ggtaatcgca | tgaaaatcgc | ctgtaaagtg  | caggttaatc  | ttatccatcg | 1475760 |
| gcaatacctg | agcatatcct | cctccggccg | ctccaccctt  | cataccgaag  | caaggggcca | 1475820 |
| gtgaaggctc | gcgaagagca | cagattgcct | tctttccgat  | gcgagtcaaa  | cccagtgcca | 1475880 |
| gaccaattga | tacagtagtt | tttccgatac | ccgccttagt  | cggcgtgata  | gccgtcacca | 1475940 |
| gaataagggt | gctgttcttt | actttttcct | catcgatcaa  | agtttctgga  | acttttgcca | 1476000 |
| tataacgtcc | ataattatgg | atttcttcta | caggatatc   | ataatcacgt  | gctacctgct | 1476060 |
| taatctttgt | cagttcaata | ctgcgcgcta | tttcgatatc  | tgatttcata  | gtgattttga | 1476120 |
| aaatgagagc | gcaaagataa | gaaaaattcc | ataactttgc  | agtatcacgt  | ttcacgaata | 1476180 |
| gaaacactct | aacacaataa | aatcaaat   | aaagaaaaag  | gagctaaatt  | tatgaataat | 1476240 |
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| acattagtca | aaaaatatca | cggtaaaaag | gccttaattg  | tgtatggagg  | cggctctgtc | 1476360 |
| gtacggagcg | gactgctgga | caaggtaaag | cgttcgctgg  | atgaagcaaa  | agttgcctat | 1476420 |
| gtagaactgg | gaggcataca | acccaatcca | accgaccgga  | aagtatacga  | aggcattgaa | 1476480 |
| ctgggacgca | acgaacaagt | cgacttcatt | cttccggtag  | gaggaggctc  | cgtcatcgat | 1476540 |
| acggccaagg | caattgccat | tggcattcct | tacgaaggcg  | acttctggga  | cttctttatc | 1476600 |
| ggcaaatctg | tacctcaggc | gggactgcct | atcggcgtgg  | tgctgaccat  | tcccgcagcg | 1476660 |
| ggaagtgaag | gctccggcaa | tgccgtcatc | accaaactcg  | acggcttgag  | aaaactgggt | 1476720 |
| ctgcacactc | cggccattct | tcgtccggct | tttgccgtca  | tgaatccgga  | actgacctat | 1476780 |
| accttgccgg | cctggcagac | agccagcggc | atcaccgata  | tgatggctca  | tatcatggaa | 1476840 |
| cgctatttca | gcaatactcc | gggagtggaa | atagccgacc  | gtatgtgcga  | aggagtactg | 1476900 |
| aaagcaatca | ttaccgaagc | accccggtga | ctggccgagc  | cggataatta  | cgacgcacgc | 1476960 |
| gccaacatca | tgtgggcagg | aaccgtggca | cacaacggaa  | cctgcggcgt  | aggttgtgaa | 1477020 |
| gaagactggg | cttcacacgg | actggaacat | gaggctcagt  | ccctctacaa  | tgtaaccac  | 1477080 |
| ggtgccggac | tggctgttat | tttcccagca | tggctgacct  | atgcggccaa  | acataatgtc | 1477140 |
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| gccgtagctt | tgggaaggat | ctcacgtttc | aagacattcc  | tgacacagcat | cggcatgcct | 1477260 |
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| cacgaagaca | aaggccagat | agccggcaat | tatgtgcacc  | tcgaccatca  | ggcaagctgt | 1477380 |
| gaaatctacg | aaatagccaa | tcaataaatt | ttatcagcgg  | tttgatctac  | cgtatactca | 1477440 |
| gacggattat | tcattgtctc | acgtagcggg | gcaatgttaa  | tccgcctgtt  | ttttgacttt | 1477500 |
| atttatcgta | caacagatta | ttacatccac | tcaaatatca  | acattatgga  | attcaacaat | 1477560 |
| actcaagtcc | gccgtcagga | cagactgctg | gacgaaacac  | gttcgttcga  | aatactgaaa | 1477620 |
| gaaggagaat | acggaatact | ttccatgcgt | accgaaaacg  | gggacgggtg  | ctacggcatt | 1477680 |
| cctctcagct | atgtatggga | cagaggcaac | tctattttata | tacactgtgc  | tccggtaggc | 1477740 |

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| caccacggac  | ttcatgaggc | cgaacgtatg | tctgccctct | ccctgttcct | gagcaagtac  | 1477920 |
| tgcccgaacg  | acaaaatcag | gggactggaa | tatgctgaga | aatcgttcca | tcgtacggaa  | 1477980 |
| atcatccgcc  | tcgacatcga | agagatcagc | ggaaagacca | agaaccgttt | ctaacctcct  | 1478040 |
| aaaccaagta  | tgaagtcgac | aacaagttat | acctacaagg | atatatggct | gatagcctat  | 1478100 |
| cccatcctca  | tcagcctgct | catggaacag | atgatcggt  | tcaccgatac | ggcattttctc | 1478160 |
| gggcatgtgg  | gcgagataga | actgggagct | tctgctatcg | cgggcgtata | ctatctggcc  | 1478220 |
| atttttatga  | tcggattcgg | atttaccatc | ggttcgcaga | tcctgatagc | ccgccgcaac  | 1478280 |
| ggagagggca  | attaccgtgc | catcggaat  | atcttctatc | agggcattta | cttcctcatg  | 1478340 |
| ctgatgagcc  | tggtgatatt | cacactctca | cagcttttct | ccgaacagat | actgggcgtg  | 1478400 |
| ctggctgcct  | ccgaccgtat | cgtaggagca | gcaaccgact | acatccgctg | gcgggtatac  | 1478460 |
| ggtttcttct  | tctcctttat | aggtgccatg | ttcagggtct | tctttgtggg | aaccacacaa  | 1478520 |
| acccgcacgc  | tcacgctgaa | ttccattgtc | atggtactgg | caaacgtggt | attcaactat  | 1478580 |
| accctgattt  | tcggtaagtt | cggctttccg | gccatgggta | ttgccggagc | tgccatcggg  | 1478640 |
| tcgtcgcttg  | ccgaactggg | atcggtgctg | ttcttcatcg | tatacacgta | taagaaaatt  | 1478700 |
| gatttccgca  | agtacggact | gaatcacatc | ccgggcttcc | gtaccgcgca | gctgtcgcaa  | 1478760 |
| atcatgcaca  | tctcggatg  | gacctgata  | cagaacttca | tttctctttc | tacgtggttc  | 1478820 |
| ctgttcttta  | tctttatcga | acacttgga  | gaacgtccgc | ttgctatatc | caatatcata  | 1478880 |
| cgcagcgtat  | cgagcatacc | ctttatgacg | gtcaccgcct | ttgccgcaac | ctgtagttcg  | 1478940 |
| ctggctcagca | accagatcgg | tgccggtcac | agcggtcagg | ttccggcact | catcaaccag  | 1479000 |
| catatccggc  | tgtgtgcctg | catcgtagtt | ccgctggttg | cccttatctc | gctgtttccc  | 1479060 |
| tcaccggtgc  | tgcgcatcta | taccgacatt | cccgcctga  | tagctgccag | catccctacc  | 1479120 |
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| gtatccggaa  | caggcaatac | ccgtgcagcc | ttcatcctcg | aatgatcgc  | actggtactg  | 1479240 |
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| accgccgaac  | acctgtatgc | catatgcata | ggcgtagcca | gctacctgta | tattcggaaa  | 1479360 |
| ttcaactggc  | agcataaacg | catctgagga | attcccctat | cacggatagg | aatattcctc  | 1479420 |
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| aaacaaaagg  | aggtagtatt | gaaaacaaca | agacgtaaat | tttattatat | agtagccata  | 1479540 |
| ttatctttta  | tcgttacact | gagttcatgc | gaatatgtag | gtctgggaat | agaatttggc  | 1479600 |
| aacggaccag  | gtgattaccg | cgaacaaacc | gactatctgt | gcagccgtac | ctggacagac  | 1479660 |
| gaatggaccg  | acgactatgg | tatctattac | tatcaggaac | ttcgtttcta | tccggacaat  | 1479720 |
| acgggaattg  | actatctgta | ctcggaagac | cggtagcgaa | accgtcagga | atctaccctg  | 1479780 |
| aacttcgcct  | gggactgggt | gaacagcagt | tatacaagca | tccgcctcaa | ctatggcagc  | 1479840 |
| cgatattcct  | acatggataa | cattcagatg | ggaggcaacc | agttgaactg | tctgctcgat  | 1479900 |
| aattatccgg  | cttatttcat | cggaaaataa | attcatttaa | atctctctcg | caaatttctc  | 1479960 |
| ccttccgctt  | ctgaaatgct | gctgaaagta | tgaaaaacgg | aacggggaga | ttttttatatt | 1480020 |
| tctgtacaaa  | ttctgccatg | cttttgta   | aaaaacaaaa | agatttgtac | aaaaacacgt  | 1480080 |
| agcagcctca  | acacgatttt | cagtaaattg | gctgaggctt | tcttacattc | tcaggaatgt  | 1480140 |
| cttatcagga  | agaatctctt | ccgctccgaa | ctttatccat | gatgcctgcc | gtatgtagcc  | 1480200 |
| aagaaaatga  | gtatctttgt | tacccgaaaa | aataaaagtt | caagaatcat | gaagaaaaca  | 1480260 |
| gaccttatga  | caatgacggc | tgccatggta | ttcgcagcgt | cgggctatgt | caacgccggc  | 1480320 |
| actccggcca  | acgccgacaa | gcctatcatc | ggcaagcaag | aatcagaat  | caaggacaaa  | 1480380 |
| aaacttactc  | ccgaagcctt | gtgggctatg | ggacgtatcg | gaagttcaac | cgtatctccc  | 1480440 |
| gacggaaaaac | agattgcata | caccgtgtcc | tactatagta | taaaggaaaa | caagagccat  | 1480500 |
| accgttatct  | atgtcatgaa | tgccgacggc | accaataacc | tgctgctaac | gactactgcc  | 1480560 |
| gacagcgaaa  | tggaaccggc | atggatcaag | ggtggcagca | agattgcttt | tctgagtgca  | 1480620 |

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| tcagcatatc  | aaggaggcat  | cgacggcttc | aagttctcac  | ccgacgaaag | caaggtgctg  | 1480740 |
| tttatctcac  | aagtgaataa  | cggagaacgt | acgtctgatt  | tataccccga | tctggacaaa  | 1480800 |
| gcgagcggaa  | gagtcacac   | tgacctgatg | tacaagcatt  | gggatgaatg | ggtggagagc  | 1480860 |
| attccgcatc  | cttttgtggc  | aacattcgac | ggcaatcagg  | ttggcgaggc | tactgatatc  | 1480920 |
| ctgaaagacg  | agccttacga  | atcgccgatg | aaaccgtttg  | gcggcatcga | acaactggcg  | 1480980 |
| tgaggaacg   | attccaaaca  | gattgcctac | acctgtcgtg  | agaaaaccgg | tttggaatat  | 1481040 |
| tccgtatcga  | ccgactcgga  | tatttacctt | tatgatactg  | agagtggtaa | gactcgtaac  | 1481100 |
| ctgtgcaagg  | aagatgctac  | agacaagaat | ttgggttacg  | ataccaacc  | gaaatttctt  | 1481160 |
| cccgcaggaa  | agagtatcgc  | ttggcagagc | atggagcgcg  | acggttatga | aagtgaccgc  | 1481220 |
| aaccgtctgt  | gcgtgatgaa  | cctgaagagc | ggagaaaaga  | catacgtaac | cgaagccttc  | 1481280 |
| cagtcgggtg  | tagacgacta  | ttgctgggct | cccgcaggaa  | agacattgta | tttcgtaggc  | 1481340 |
| gtatggcatg  | ctaccagcat  | gattcacagt | accaacctga  | agggcgaggt | taagcaactc  | 1481400 |
| accgcaggca  | tgtacgatta  | tacttcggtt | gccatgctga  | acaacaagca | gttgcttact  | 1481460 |
| aaacgtcact  | ctatcagcga  | agcagacgag | ctgtttacag  | tcgacctgaa | aaagaaaaat  | 1481520 |
| accgtaacc   | gtatcaccaa  | ggaaaacgat | catatcttca  | gtcagttgaa | aatgggtaag  | 1481580 |
| gtagaagcac  | gctggaccaa  | gaccgtcgac | ggaaaggaca  | tgctttcgtg | ggtgggttat  | 1481640 |
| cctgccaact  | tcaaccgaa   | caagaaatat | cctaccctgc  | tgcttctgca | aggaggtcct  | 1481700 |
| cagagtccgg  | taagccagtt  | ctggagctac | cgctggaacc  | tgcaaatcat | ggctgccaac  | 1481760 |
| gatttatattg | tcacgctcc   | taaccgccgc | ggtctgccgg  | gattcggtat | ggaatggctg  | 1481820 |
| gaagaaatca  | gcaccaacta  | cggaggtcac | tgcatggacg  | actacttgag | tgccatcgac  | 1481880 |
| gacatcgcca  | aagaaccgta  | tgtcgacaag | gatcatctgg  | gatgtgtggg | agccagcttc  | 1481940 |
| ggaggttact  | cgggtatactg | gctggcaggt | catcacaaca  | aacgcttcaa | agcctttatt  | 1482000 |
| gctcacgatg  | gtttcttcaa  | catggagcag | cagtatctgg  | aaacagaaga | actctggttc  | 1482060 |
| acgaactggg  | acctgggagg  | cgcatactgg | gagaaaaaca  | acccggcggt | acagcgcagt  | 1482120 |
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| ccgcagaacg  | gtattctgtg  | gcagcgtacc | ttctttgcat  | ggctggacaa | atggctgaaa  | 1482360 |
| ccggcaaaaca | agtaaattca  | ttttaaaaca | ataaagcgag  | atgattaaga | atatagtttt  | 1482420 |
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| cttgggtgtg  | aaagacgccg  | accgcatact | cgacaagtac  | catcagacgg | gtatctttca  | 1482540 |
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| cgaacgtacc  | ttgtcgtggg  | aagaggtgca | gcaggcatgg  | ctgggattct | tcacaggtat  | 1482660 |
| agatgtacgc  | aagctgcatt  | atttggaac  | cttacggcgt  | gaaggttaca | aactttatgt  | 1482720 |
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| agggaaaacca | ctgactgctt  | atttcgagaa | gttatatctt  | tcgtatcaga | taggctgcac  | 1482840 |
| gaaacccgac  | cggcgtat    | ttgagttcat | gcttaccgat  | agcaaaatgc | aaccggaaga  | 1482900 |
| gaccttggtt  | gtggacgacg  | gcgcacgaa  | tattgcagcc  | ggacgtgaac | tggttatgta  | 1482960 |
| tacgtttcag  | cccgaacg    | gaagcgactg | gcgcgacgaa  | ctggccaagt | tgctcatccg  | 1483020 |
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| tttttctcga  | cgaccgacac  | gcacatacgg | cagattcatc  | atacaacacc | ggataaattc  | 1483140 |
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| ggaagaaacc  | ttcttcgggg  | tgtagcgag  | tccggttagc  | gcacctgctt | tggtgagcagg | 1483320 |
| gggtcgtggg  | ttcgaatccc  | gctaccccg  | cgaaaaagga  | actttcataa | ctattttgag  | 1483380 |
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|            |            |            |             |            |             |         |
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| ccgtaaagaa | agtactctgc | cctgacggct | gttccgcaga  | gcagattccc | gcgttatctg  | 1483620 |
| atgcagcaca | gatccccctt | cagcaaatag | actgcgtaaa  | ctggaaagat | tatccctata  | 1483680 |
| caccggacgt | caaattcaga | attgctcata | caggagatgc  | gatactgata | cattaccgcg  | 1483740 |
| taacggaaaa | gagcgtacgt | gccgttgac  | cggcagacaa  | cggacgggta | tgaggaggatg | 1483800 |
| cgtgcgccga | atttttcgta | cagcctaccg | acgaaaaaaa  | atactataat | tttgaatgta  | 1483860 |
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| gactgggaga | atgctcctgg | cagcttgccg | tccgcattcc  | ggtatcggct | tttttccatg  | 1484040 |
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| gatgtgcgta | aaatacagca | acaactagcc | gaacctcaga  | ccgaaaaccg | caaatcata   | 1484340 |
| gaagcacagt | tgaaggcctt | ggaaggaaaa | tcggaagaag  | catacgcact | gtacaaagaa  | 1484400 |
| gcttactact | atagtctggg | tttgtttttc | aatgaactgg  | aaaacaaaaa | gccggcaagc  | 1484460 |
| aacgaaatga | aagaaaagtt | atggaaagaa | ggcttccacc  | gtataacatc | ttactattcc  | 1484520 |
| attcaggtaa | aacgtttggg | aaattattct | ttaccggtgg  | acaacatgga | aacgtacgct  | 1484580 |
| cagatcagtg | cacgaatcgg | gaaactttta | aaacagaaag  | attttaatgg | aaaactttgc  | 1484640 |
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| attgtaaagg | acggaaaaat | cgccgacaag | atztatcggt  | tgatacgtcc | ttaccccaat  | 1484760 |
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| caactgcca  | accatcagtt | gcagacggta | gcactccgat  | gcggttacga | cctgcaccag  | 1485060 |
| catcatcatg | ctctttgtga | tgcagaagca | tgccgacaaa  | tcgccataac | tattttataa  | 1485120 |
| aaaaatccgc | ttcaaactgc | cacgctttac | agcaacgggc  | aatttgaagc | ggatttcttc  | 1485180 |
| tatcgggata | tttacttatt | ttctcagcat | taaattctta  | aaaggcgtgg | ggtacggtgt  | 1485240 |
| ttcaaactcc | atccgttctc | ccgtaaccgg | gtgatagaag  | cataatttga | atgcatgcag  | 1485300 |
| cgccagacgt | cccagcggat | ttgcctcaca | gccatagcgt  | tcatctccta | caaccggatg  | 1485360 |
| tccaacgctc | tgcatgtgta | cacgaatctg | attcttacga  | ccagtttcca | gttgcagttc  | 1485420 |
| taccagcgaa | taaccgtag  | cacgctttat | ggtgcgataa  | tgcgtaaccg | aatactttcc  | 1485480 |
| accatcatcg | actggagaag | aacttacata | caacttacgg  | tcggtcagcc | acgaggcaac  | 1485540 |
| agttccctga | tccttttcca | tgtcccccat | tacgattgcc  | acataacggc | gatcgtacac  | 1485600 |
| aatatcgtgc | cagttgtcgc | gcaacgtatg | ctgggtcttt  | tcatccttgg | cgtacatcat  | 1485660 |
| aacgcccgat | gtttcacgat | ccaagcgatg | gactacaaag  | atacggttat | tgcatgttcc  | 1485720 |
| ccgcttcaca | tactcgttca | ggatatgctg | tgcggttctc  | tccttctgat | ggtcagttgc  | 1485780 |
| cacggaaagc | agcccttcct | tcttctctac | cacgataagg  | taagcatcct | cgtacaatat  | 1485840 |
| cttcagcatc | ggatgacgga | attcgtgatt | gtgcttctcg  | cgacttatct | gcaccttcat  | 1485900 |
| accgggctta | agcggatagt | tatattgcgt | ctggatattg  | ttgtcgacca | gcaccaccgc  | 1485960 |
| attggtaagc | aaagccttta | cacgcgtacg | actaatccct  | gccattttct | tcatcaagaa  | 1486020 |
| ctccatcagc | tcggctgggt | ccgtcacatt | atatatggta  | tacttcgcag | cagcccggtc  | 1486080 |
| cacaggacgg | ccaccgcgat | ttctatttct | tctcgacata  | gctatcttct | ctattgatct  | 1486140 |
| aaattatctt | ttctccaata | acacgacatt | ctccacatga  | tgcgatgcg  | ggaacatata  | 1486200 |
| tacaggctgt | acggcagtta | ccttatattt | ggcatcgagc  | aactgaagg  | cgcgggcctg  | 1486260 |
| agtagccgga | ttacagctga | cgtagacgat | acgcttgggc  | tcagcaaaaa | gaatcacatc  | 1486320 |
| gattacatca | ttgtgcatac | ctgcacgtgg | aggatcggtg  | ataatcacat | ccggacgtcc  | 1486380 |



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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| gtgctcgttg  | atgaaatctt  | gcgtcaggat  | atccttcata  | tcaccggcat | agaacaacgt  | 1486440 |
| attgtcgata  | ccgtttatct  | gagaattgac  | ctttgcatct  | tctatagcct | cggggacata  | 1486500 |
| ttctataaccg | atgaccttac  | gtgcctgacg  | agaaacgaag  | ttggcaatgg | taccctgacc  | 1486560 |
| ggtataaagg  | tcgtataacca | gctcgttgcc  | agtcagtcct  | gcaaagttcc | gggccacctt  | 1486620 |
| atacagattg  | tatgcctgct  | ccgaattggg  | ctgatagaaa  | gatttcggac | ctaccttgaa  | 1486680 |
| acgaagtcct  | tccatttcct  | cgaaaatatg  | atcgtttccc  | ttgaaaactt | ccacatccag  | 1486740 |
| atcgccgatg  | gtatcgttgc  | acttattatt  | gataacgtac  | aacaaagaag | taatctgagg  | 1486800 |
| gaacttgtct  | gcaacgaact  | gcaacagtg   | cttcattttc  | tccagttccg | catccgaagt  | 1486860 |
| aatcttgcac  | tgcaacagca  | ccatgagttc  | acctgtagac  | gaagtacgaa | ccatcatggt  | 1486920 |
| acggagcata  | ccctcctgac  | tacgcaaata  | gaagaattca  | taattatggt | cataggcata  | 1486980 |
| atcgcgaaatc | gcattacgga  | tctgattcga  | gatatcatcc  | tgcaaccagc | acttttcaat  | 1487040 |
| ggcaagcacc  | ttatcgaaag  | ctcccgggaat | atggaatccc  | acagcattca | tctgatcata  | 1487100 |
| cttcacgtcc  | tgctttactt  | cctcctcggt  | cagccagcgc  | ttgttagaga | aggtaaactc  | 1487160 |
| cagcttggtc  | cggtagaact  | ttgttttcgc  | ggaacctaaa  | atgggcataa | actccggcaa  | 1487220 |
| ctccaccttt  | ccgatacgag  | tcaagttatc  | gtatacctgc  | ttctgcttat | agcgaatctg  | 1487280 |
| gtcttcatac  | gcaagacact  | gccacttaca  | accgccacaa  | acgccataat | gctggcgaaa  | 1487340 |
| cggctcgaca  | cgcatcggcg  | atttttcata  | aaattttact  | gcaaccgctt | ctgctgtaatg | 1487400 |
| gtttttcttg  | cgttttactt  | gcaaatacgac | tacgtcaccg  | ggaactacat | aaggtagcaa  | 1487460 |
| tattaccaaaa | tcattttactt | ttgccactgc  | cttaccctcg  | gcagctacat | ctgttatcgt  | 1487520 |
| tactttttcc  | agtaaaggaa  | gttctttctt  | ctttcttgcc  | acgtctgttt | tatataaatc  | 1487580 |
| caattttggga | gcaaagttac  | aaaataatcc  | cgacattctg  | ttacgatttc | ggaagaagtt  | 1487640 |
| aattttgcaa  | agtctatatt  | gcaaaatata  | gaataaaaag  | ttcctttttc | atttggatat  | 1487700 |
| tcataaaaata | tatatagttt  | tgccaacggt  | aaattctttt  | acaaagaatc | gcaacgacta  | 1487760 |
| gaaaaaacata | cataaacctt  | tataaacctt  | ataaataaat  | ggaaaagaaa | agaatctaca  | 1487820 |
| cattcggaaa  | cggccatgct  | gaaggtaaag  | cagatatgag  | aaatctttta | ggtggcaaaag | 1487880 |
| gagccaacct  | tgctgaaatg  | aacttaatcg  | gtgttcccgt  | tccttccgga | tttacaatca  | 1487940 |
| cgacagaagt  | ttgcaacgaa  | tatttcgaaa  | aaggaaaaga  | cgatgtagtc | aacctgctga  | 1488000 |
| aagacgatgt  | agaaaaatca  | atcaaaggag  | tggaagcact  | catgaaatca | aaattcggcg  | 1488060 |
| acgtagaaaaa | cccgttgctg  | gtttctgtac  | gttcgggtgc  | aagagcttcc | atgcctggta  | 1488120 |
| tgatggatac  | aatattgaac  | ctgggactga  | atgacgaagt  | agttgccgga | ctggcacgca  | 1488180 |
| agacaggcaa  | tgaacgtttt  | gcatgggatt  | cataccgtcg  | cttcattcag | atgtatggcg  | 1488240 |
| acgtagtctt  | gggcatgaag  | ccgaccaaca  | aagaagacat  | cgaccctgtt | gaagctatca  | 1488300 |
| tagaagatgt  | aaagaaagcc  | aaaggagtag  | gtctggacaa  | cgagttagga | gtagctgaac  | 1488360 |
| tgaagaagact | ggtaactcgc  | ttcaaagcgg  | ctgtcaaggc  | tcagaccgga | caagacttcc  | 1488420 |
| cggaaaacgc  | ttacgaacaa  | ctttggggag  | ccatctgtgc  | cgtatttgat | tcctggatga  | 1488480 |
| acgaacgtgc  | catcctctac  | cgcaagatgg  | aaggatatacc | tgccgaatgg | ggtacggctg  | 1488540 |
| tcaacgtaca  | ggcaatggta  | tttggttaaca | tgggtgaaac  | atcggctaca | ggtgtttgct  | 1488600 |
| tctctcgtga  | cgctgctacc  | ggcgaagatc  | tggtcaacgg  | tgaatacttg | atcaatgcac  | 1488660 |
| aagggtgaaga | tgtggttagcc | ggaatccgta  | cgcctcagca  | gattacgaaa | atcggatctc  | 1488720 |
| agcgtctggg  | tgctctgcag  | ggcatttctg  | aagaagaacg  | tgccagcaaa | tatccgtcta  | 1488780 |
| tggaagaggc  | tatgccggaa  | atctataaag  | aactggatgc  | actgcaaacg | aaactggaaa  | 1488840 |
| atcattacca  | tgatatgcag  | gatatggaat  | ttaccgttca  | ggaaggaaaa | ctctggttcc  | 1488900 |
| tccagacaag  | aaacggtaaa  | cgtactggtg  | ctgccatggt  | acgtatcgca | atggaaatgc  | 1488960 |
| tccagcaagg  | tctgattgac  | gaaaaaacag  | ctatttttacg | ttgcgaaccc | aacaaattgg  | 1489020 |
| atgaactgct  | tcacccgata  | ttcgataaag  | aagctttgcg  | taaggcaaga | gtactgactc  | 1489080 |
| gtggtcttcc  | ggcttctccg  | ggtgctgcct  | gcggtcagat  | tgtattcttt | gccgacgatg  | 1489140 |
| cagcacagtg  | gcgtgccaac  | ggacaccgcg  | tggttttagt  | acgtatcgaa | acctctcccg  | 1489200 |
| aagacttggc  | aggtatgact  | gctgccgaag  | gtatcttgac  | agcacgaggc | ggaatgacat  | 1489260 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| cgcatgcagc  | tgttgtggca  | cgaggcatgg  | gcaaatgttg  | cgtatcagga  | gcagggcgcca | 1489320 |
| tcaatgtcga  | ctacaaagca  | cgcaccgtag  | aaatagatgg  | aaccgtcttg  | aaagagggag  | 1489380 |
| atttcatttc  | attgaacggt  | agtaccggcg  | aagtgtatgc  | tggagaagtt  | cctacccgcg  | 1489440 |
| cagctgaatt  | atccggtgac  | tttgcaaaac  | tgatgaaact  | ttgcgataaa  | tatactcgcc  | 1489500 |
| tgaaagtacg  | taccaatgcc  | gatacaccac  | atgatgtctga | agtggctcgc  | agctttggtg  | 1489560 |
| ctaccggtat  | cggactttgc  | cgtacggaac  | atatgttctt  | cgataaccag  | aagatcatcg  | 1489620 |
| caatgcgtga  | aatgatcctg  | gctcctgatg  | tagatggacg  | taagaaagca  | ctcgacaaac  | 1489680 |
| tgcttccata  | ccagaaagct  | gacttcaagg  | gtatcttcaa  | ggcaatggac  | ggttgtccgg  | 1489740 |
| tgaacgtacg  | tctgctcgac  | ccccctttgc  | atgaattcgt  | tccgcacgat  | ctgaaaggac  | 1489800 |
| aggaagaaat  | ggccaaagcg  | atgggcgtaa  | cagttgatta  | tatccgccag  | cgtgtagaaa  | 1489860 |
| gtctgtgcga  | acataacccg  | atgctgggtc  | accgtggatg  | ccgtttggga  | aacacttatc  | 1489920 |
| ctgaaatcac  | tgaatgcag   | acccgcgcca  | ttctgggtgc  | tgcctgcgaa  | ttgaagaaag  | 1489980 |
| aaggttacga  | cccgcacccg  | gaaatcatgg  | tgccgcttat  | cggatattctt | tatgaattcg  | 1490040 |
| aagcacaaga  | aaaggttatc  | cgtgaaacag  | ctgcccagct  | gttcaaagaa  | gaaggcgtgg  | 1490100 |
| aaattccgtt  | caaggtaggt  | accatgatcg  | aagtaccgcg  | tgctgccctg  | acagccgacc  | 1490160 |
| gcacgcgttc  | tcatgccgaa  | tacttctcat  | tcggaaccaa  | tgacttgact  | cagatgactt  | 1490220 |
| tcggttactc  | gcgtgatgac  | atcgcttcct  | tcttgccctg  | atacttagaa  | aagaagattc  | 1490280 |
| tgaaggtaga  | cccgttccaa  | gttctcgacc  | agaacggcgt  | aggtcagttg  | gtagaaatgg  | 1490340 |
| ctgtacagaa  | aggacgttct  | gtccgtccgg  | atttgaaatg  | cggatctctgt | ggtgagcatg  | 1490400 |
| gtggtgaacc  | ttcttctggt  | aagttctgcc  | acaaagttgg  | cttggtactac | gtaagttggt  | 1490460 |
| ctccgttccg  | cgttcctatc  | gccagactgg  | ctgcggcgca  | ggctgctatt  | gaggaataaa  | 1490520 |
| ctctaaagaa  | gaaaaacaga  | tatttactaa  | taattaataa  | gttaaggggc  | ttgtttatta  | 1490580 |
| cagcaagtcc  | ctttttctat  | gttatattac  | tttatttttc  | tgattttcat  | gtagtagtgt  | 1490640 |
| ttacttcatg  | tttactacta  | attaagagaa  | tgtttacact  | aaaataatat  | tcgtataata  | 1490700 |
| ttgattatta  | gttatatatg  | gcaagtttta  | aaatctgtgt  | tagacaacag  | agaaatgata  | 1490760 |
| aattatttcc  | tatttacatt  | agaatcaata  | gttcgttaaa  | aattagccca  | gcctaagcgg  | 1490820 |
| ctctggcagt  | aaataaaatg  | agttctttga  | aaagtttgtc  | aattaattgc  | gtgtttggtt  | 1490880 |
| caatcccaga  | cacgcaaata  | aatcgttcaa  | gcattgaagc  | attgtgtatg  | actgacttgc  | 1490940 |
| atgatgatat  | ggaatatttt  | attcccattc  | tcttacaggc  | agccttggcg  | aggtttatcg  | 1491000 |
| ctgcaagtga  | tgcattaaag  | tggaaatgcca | gtttcctgaa  | gtctgtagac  | tgacagtttg  | 1491060 |
| ctattccggc  | atgttgcttg  | gcattcccga  | agcagaattc  | gagttggaaa  | cgtgttctgt  | 1491120 |
| aaaagtccag  | gacatcctgt  | gcgttctgta  | tttcgtttgt  | agagaaatac  | agctgccatt  | 1491180 |
| tgtccgttct  | tccatccatg  | gggtaccata  | cagccaggct  | cacaaagcgt  | ttgagtgtct  | 1491240 |
| tggagtatgc  | tttcagtcgg  | taaagtttac  | ccttggtcac  | tttgtagctg  | gtacatcttg  | 1491300 |
| tgatgtccag  | attttcaaag  | tcaattttct  | cgtcatgtaa  | ttttggacgt  | ccgcgttttc  | 1491360 |
| ctgtcctatt  | ttctaagggtg | ggataaaaca  | atacggcatc  | attcctgaaa  | cggcttatta  | 1491420 |
| cgtggaaacc  | gttatcgtac  | aatggtttga  | tgaagtttgc  | ctttgaaaag  | aacgcatcac  | 1491480 |
| acacgactgt  | gccagaaata  | cgtttcagct  | gttcctgtat  | gctgataagg  | taagagctgt  | 1491540 |
| accagtcaac  | aagattcttc  | tcacagcttt  | ccagcgttgc  | gttgctcagg  | gtctgtacag  | 1491600 |
| agcccaaagt  | catacattca  | tgggtgtcaa  | cgtctataac  | tccaataacc  | gttatttcca  | 1491660 |
| gtccacgttt  | gtattcaccg  | gcacaaccgg  | accagaaata  | gccaatccac  | ggcgttttgc  | 1491720 |
| tgcttgattt  | tggaaatgaaa | gacggatcaa  | cggctatcgc  | cttgcgacca  | cctttaagggt | 1491780 |
| gttccctgat  | gatggcttca  | ttgaaggaaa  | accagtcaaa  | gccgtcgttc  | tcaaaattgt  | 1491840 |
| tgcggtatgt  | ctgttccgag  | aaacatccat  | accgtcccat  | ttgtaggaaa  | ttgatgcggt  | 1491900 |
| caggtatagc  | catgaataat  | ttcattgcat  | ccatgaatac  | tttctgaaaa  | gatttgctta  | 1491960 |
| tatttacagc  | tgattcgaga  | gcgtttctgc  | actcggattg  | gtattgcata  | aggagtgatt  | 1492020 |
| cttttagtcat | aattaaaagt  | ggtgaagtac  | ttctaattta  | ctaaaaatca  | gtgaattatg  | 1492080 |
| aaatactttt  | tctgttgatt  | ttcagctggt  | tagcatatct  | ttttcatccc  | ttttcttact  | 1492140 |

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|             |             |            |             |             |            |         |
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| ttatgccgat  | tctatgttta  | attttaattt | atcggtaaaa  | atttaccgaa  | gtattgttag | 1492260 |
| aatcactcat  | agtagaaaag  | taggatatat | caaaacagat  | aaagtgataa  | ttgcttctaa | 1492320 |
| gttaagaaaa  | ggagaaatta  | aagaccctga | gattctttcc  | tatggctcca  | atttgattaa | 1492380 |
| gaactatagt  | gaaagattga  | atgcagtaga | tatttcattt  | ttaatatgat  | gctgttaaga | 1492440 |
| gtttcatcaa  | agaagcaagc  | caaaataaaa | cttgctcttc  | aaggatgtgc  | aggcagtggg | 1492500 |
| aaaacttact  | ctgccttatt  | tcttacctat | gggttggtgtg | gagattggag  | taaaatagca | 1492560 |
| attatagata  | gtgaaaatga  | aagtgtgat  | ttatatgtct  | acttaggcag  | ttataatgtt | 1492620 |
| ctttctcttc  | aagacaattt  | tactcctgaa | acctatatgg  | aagccattgg  | gatatgtgag | 1492680 |
| gatgcaggaa  | tagaagtaat  | tatcatagat | tccatttccc  | aatgctggga  | taatctgttg | 1492740 |
| gagtatcatg  | ccaatttgcg  | aagtaatagt | ttcactaatt  | ggcagaaagt  | tactccaaaa | 1492800 |
| attaatgctt  | ttatgcagaa  | tatattgcaa | agtgagaagc  | atatcatttg  | cactatgagg | 1492860 |
| tgcacacaga  | actatgtatt  | gaatgagaag | aatggcaaaa  | tcgtgcctga  | aaaagtaggg | 1492920 |
| tttaaagctg  | taatgagaga  | tggaataaac | tatgaattta  | ctatagtctt  | tgacatcaac | 1492980 |
| atgaagcatc  | aagccattgc  | aagcaaggat | aggactaacc  | tgtttatggg  | aaagcccgcg | 1493040 |
| tttaccatta  | caccaacaac  | aggacaaatt | atccttgatt  | gggtgcaattg | atggagtgc  | 1493100 |
| tggtgaaatg  | ataaaaacagc | aaataaatac | gactaaaact  | atagagaaaag | tgaccgccat | 1493160 |
| ttatcataaa  | tatcctgaat  | gttatcaaca | attgatctct  | gattttatgc  | agaagaaaat | 1493220 |
| tcaactacaa  | gaggataaga  | ataaaccgag | tattaactat  | aatccaaatt  | tcataagatg | 1493280 |
| tggaagcaat  | gcaactacag  | ccttcaaggc | taacttgatt  | tatccaagca  | gggtaaaaca | 1493340 |
| ggacatttga  | tttgtctaaa  | caagaaattg | ttgatgtaga  | atccatcttg  | tcaggaagag | 1493400 |
| aagtaaaaaa  | ctctctttta  | ttgaggctaa | cacaaaggaa  | gtcactattg  | aacatctaaa | 1493460 |
| agatgattgc  | attgtacctg  | tattcagcaa | ggacaatgaa  | ataaccatct  | cccattccaa | 1493520 |
| ctttattgaa  | tctgtatgag  | aagcagctaa | cagggttttc  | ccaagtgaag  | gtattgaact | 1493580 |
| gcctgaaatc  | agagtaagtc  | atatcatcaa | agggagaatt  | cccgaacta   | ttcacaagtc | 1493640 |
| agtaaaagat  | tttttggaag  | aagataagac | catttactat  | gagagaatga  | tgttttgttt | 1493700 |
| tgagatacct  | tcaatccatg  | aggatatcgc | aggaaacagg  | ctcaatttga  | ctattggtgg | 1493760 |
| agtcaggagc  | tataatcatg  | aaaacctgtg | atactgttcc  | aaaaagtgtg  | tctgaaatag | 1493820 |
| gataataaaa  | aagtctacag  | attttttaga | attgtagcag  | caaaccaata  | aacctaaaaa | 1493880 |
| aagagtagac  | tttatggatt  | tcacaaagga | acaactttcc  | gagctgatat  | gcaagcattc | 1493940 |
| ggaaaaagaa  | aatggcttac  | atgatttgat | ggaaataatg  | cttgaaagcc  | tgatgatatc | 1494000 |
| agagcgcagg  | gaatatcttc  | atgaagaggg | tgtttcaggc  | aacaagtgca  | atggctaccg | 1494060 |
| tcctggtcgt  | acatatgggt  | atggacgtac | attgactttc  | cgtattccac  | gtgacaggta | 1494120 |
| cggtaaacttt | catccccgta  | tattggccat | actccgtgat  | caggaagaag  | agtgtaaacg | 1494180 |
| acttgccggg  | accttgatca  | ccaaaggctc | gactcaggaa  | caggttggtg  | aagtcttcaa | 1494240 |
| cgacatctat  | ggcgagcact  | acagcaaagc | cagtatatcg  | cggatgcttg  | actacctgcg | 1494300 |
| caaggatgtc  | acagactggc  | tggaacgttc | tctggaaagc  | tattatcctg  | tggtgttcat | 1494360 |
| tgactgcgta  | cacataaagg  | tacaccgcaa | gcgtagcgtt  | gatacggaa   | ccttctatgt | 1494420 |
| cgttctgtcc  | gtgaaggagg  | acaagaccag | ggaggtactc  | ggtatcttca  | acaaaccgac | 1494480 |
| agaaagtgtc  | ttgggctggg  | gtgagatgct | gcatgacctg  | tacgagagag  | gtgtcggtaa | 1494540 |
| aatcggctctt | atatgcgcgg  | acggtcttaa | aggacttgaa  | gatgtcatca  | gtgaagtgtt | 1494600 |
| cccaggaact  | aaacttcaga  | gatgcactac | ccacctaaag  | cgcaatatct  | tgagcgatgt | 1494660 |
| ccgtaacggg  | gacaaaggag  | atgtggcaga | agatttgagg  | catattttcc  | ggacagggga | 1494720 |
| cagaaactat  | acagtagaac  | aggcctggag | tgaatggcag  | caattctgtg  | cccaatgggg | 1494780 |
| ccggtattat  | aggagtatca  | ggaaacgtgg | tgaggatgct  | tcctacaagg  | catatttcac | 1494840 |
| ttacctgaac  | tatgaccacc  | gcatccaatc | tatgatatat  | actacgaact  | ggatagaacg | 1494900 |
| cctgcagaag  | gacttccggc  | gagttacgag | gatgcgtggg  | gcaatgccc   | acgaggagtc | 1494960 |
| tgtcatcctg  | cttatgggaa  | agactgccat | ggacaagaag  | tcttacctga  | gacaggttcc | 1495020 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| aagaattgat  | cttgaaga    | atctgtttcc  | ggacgaataa  | aatcattat  | cggcatgcct  | 1495080 |
| acctgccgat  | aatgtatcaa  | ataaagtgat  | atatttgcaa  | aactaaaaga | tctgaagact  | 1495140 |
| catttcagac  | acactgaatg  | aaacactacc  | cggaaaaga   | acacactact | acactgatac  | 1495200 |
| tgtaaaccgt  | ctgcgtgagg  | tattcaatga  | cgaatgtgt   | tcctccgtca | gaagccgatt  | 1495260 |
| gcatgaagag  | ggcttcacca  | tccgtcagga  | tgaggatgca  | acttatgcca | tcaacttcaa  | 1495320 |
| gcaacacatc  | attataaatc  | ttactgaaga  | gaattgcagc  | cttgaacggg | taaagaaata  | 1495380 |
| tataaaacag  | cctgttaaga  | aatcagggca  | acataagcat  | ttacaaaaca | agagacatac  | 1495440 |
| tgactttctc  | tttggtaaaa  | gtaaattgcg  | tgactttggg  | gggtgaagcc | atggagagaa  | 1495500 |
| acgtgagtg   | gaagttgggc  | aaaaagaaaa  | ttatgacaat  | gaacattctg | taaaaagata  | 1495560 |
| aatcaaatat  | tactctatat  | agttcataca  | aacttcttta  | acaaaaagaa | ataataaatc  | 1495620 |
| tacctgccc   | tcaaatgttt  | ctttttgtgc  | aaattcttca  | ttaaacttat | tagttgggtc  | 1495680 |
| aaaatataaa  | aatttatcag  | gatcatattc  | tggtgtttct  | aattttgaat | acacagaatt  | 1495740 |
| aagagatttg  | ttttgctcta  | ttagttcaca  | aaactttcgt  | gccaaccat  | ctctattatt  | 1495800 |
| taaccaaca   | gtaataagtc  | catctttaaa  | ccaaatccct  | aaagataaat | atatacatc   | 1495860 |
| tttaccttta  | gctagtaatt  | gaaatttaac  | tccataatat  | tgatctgtaa | tatcttttct  | 1495920 |
| tccaaatggg  | attaattcga  | atttatctgt  | tgataattta  | actactatac | aatacttcgg  | 1495980 |
| taaattttta  | ccgataaatt  | aaaattaaac  | atagaatcgg  | cataatccgg | ttcaaaatta  | 1496040 |
| tattcaagag  | atcattgaaa  | tactgtcaag  | aataaatcgt  | caaggagtaa | gaaaagggat  | 1496100 |
| gaaaaagata  | tgctaaacag  | ctgaaaatca  | acagaaaaag  | tatttcataa | ttcactgatt  | 1496160 |
| tttagtaaat  | tagaagtact  | tcaccacttt  | taattatgac  | taaagaatca | ctccttatgc  | 1496220 |
| aataccaatc  | cgagtgcaga  | aacgctctcg  | aatcagctgt  | aatataagc  | aaatcttttc  | 1496280 |
| agaaaagtatt | catggatgca  | atgaaattat  | tcattggctat | acctgaccgc | atcaattttc  | 1496340 |
| tacaaatggg  | acggtatgga  | tgtttctcgg  | aacagacata  | ccgcaacaat | tttgagaacg  | 1496400 |
| acggctttga  | ctggttttcc  | ttcaatgaag  | ccatcatcag  | ggaacacctt | aaagggtggc  | 1496460 |
| gcaaggcgat  | agccgttgat  | ccgtctttca  | ttccaaaatc  | aggcagcaaa | acgccgtgga  | 1496520 |
| ttggctattt  | ctgggtccgtg | tgtgccggtg  | aatacaaacg  | tggactggaa | ataaccggta  | 1496580 |
| ttggagtatt  | agacgttgac  | aacctgaat   | gtatgacttt  | gggctctgta | cagacacctg  | 1496640 |
| acaacgcaac  | gctggaaagc  | tgtgagaaga  | atcttgttga  | ctggtacagc | tcttacctta  | 1496700 |
| tcagcataca  | ggaacagctg  | aaacgtattt  | ctggcacagt  | cgtgtgtgat | gcgttctttt  | 1496760 |
| caaaggcaac  | tttcatcaaa  | ccattgtacg  | ataacggttt  | ccacgtaata | agccgtttca  | 1496820 |
| ggaatgatgc  | cgtattgttt  | tatcccacct  | tagaaaatag  | gacaggaaaa | cgcggacgtc  | 1496880 |
| caaaattaca  | tgacgagaaa  | attgactttg  | aaaatctgga  | catcacaaga | tgtaccgagt  | 1496940 |
| acaaagtga   | caagggtaaa  | ctttacggac  | tgaagcata   | ctccaaagca | ctcaaacgct  | 1497000 |
| ttgtgagcct  | ggctgtatgg  | taccccatgg  | atggaagaac  | ggacaaatgg | cagctgtatt  | 1497060 |
| tctctacaaa  | cgaataacag  | aacgcacagg  | atgtcctgga  | cttttacaga | acacgtttcc  | 1497120 |
| aactcgaatt  | ctgctttcgg  | gatgccaaag  | aacatgccgg  | aatagcaaac | tgctcagtcta | 1497180 |
| cagacttcag  | gaaactggca  | ttccacttta  | atgcatcact  | tgacgcgata | aacctcgcca  | 1497240 |
| aggctgcctg  | taagaagatg  | ggaataaaat  | attccatata  | atcatgcaag | tcagtcatac  | 1497300 |
| acaatgctta  | catgcttgaa  | cgatttattt  | gcgtgtctgg  | gattgaacca | aacacgcaat  | 1497360 |
| taattgacaa  | acttttcaaa  | gaactcattt  | tatttactgc  | cagagccgct | taggctgggc  | 1497420 |
| taatttttaa  | cgaactattg  | tactatatca  | aaagctctaa  | ttaaagattg | tatacttgta  | 1497480 |
| aactctttta  | gatttatttt  | attattataa  | atataaactc  | ccataagatt | aaaaccttct  | 1497540 |
| ataacatttt  | ttaagattct  | ctttattgaa  | gattcttgat  | agtttctatt | atcaaattct  | 1497600 |
| tcccatcttt  | tataaacctg  | atttaataata | ccaaaccaag  | taaattttac | aattggacat  | 1497660 |
| ttatacccat  | caacaatcag  | tggttcctca  | atatttaata  | tactattacc | acctacagca  | 1497720 |
| aataaatata  | ctgttttttt  | ctcttctccg  | tattcgttga  | gataagattt | aaattctcgt  | 1497780 |
| tcccatctct  | cataattctg  | gcctgaacaa  | tctgataatt  | tggcttctac | gattatatcg  | 1497840 |
| aaattagaaa  | agcgaaaaaa  | aacatctggg  | tctacaaaat  | ttagattccc | agcatcataa  | 1497900 |

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|             |             |            |             |             |             |         |
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| ttaccttttag | aattccaatg  | aggccaaaaa | taatcatcac  | tatgaagtaa  | atatccagca  | 1497960 |
| tcattaggtta | atattttacc  | attaggggtt | gatttcttta  | gaatttccca  | aaaaagatcg  | 1498020 |
| tctggtaata  | acatcagatt  | ctcaaaaata | acagatgttt  | taggatcttc  | atttgtatatt | 1498080 |
| ttattatgct  | ttgtactata  | tatcataacg | tcatcaatta  | tcaattatag  | taaacaatag  | 1498140 |
| ttcgttaaaa  | attagcccag  | cctaagcggc | tctggcagta  | aataaaatga  | gttctttgaa  | 1498200 |
| aagtttgta   | attaattgct  | tgtttggttc | aatcccagac  | acgcaaataa  | atcgttcaag  | 1498260 |
| catgtaagca  | ttgtgtatga  | ctgacttgca | tgatgatatg  | gaatatttta  | ttcccatctt  | 1498320 |
| cttacaggca  | gccttggcga  | ggtttatcgc | tgcaagtgat  | gcattaaagt  | ggaatgccag  | 1498380 |
| tttcttgaag  | tctgtagact  | gacagtttgc | tattccggca  | tgttgcttgg  | catcccgaag  | 1498440 |
| gcagaattcg  | agttggaaac  | gtgttctgta | aaagtccagg  | acatcctgtg  | cgttctgtat  | 1498500 |
| ttcgtttgta  | gagaaatata  | gctgccattt | gtccgttctt  | ccatccatgg  | ggtaccatac  | 1498560 |
| agccaggctc  | acaaagcggt  | tgagtgcctt | ggagtatgct  | ttcagtcctg  | aaagtttacc  | 1498620 |
| cttggttact  | ttgtactcgg  | tacatcttgt | gatgtccaga  | ttttcaaagt  | caattttctc  | 1498680 |
| gtcatgtaat  | tttggacgtc  | cgcgttttcc | tgctctatatt | tctaagggtg  | gataaaacaa  | 1498740 |
| tacggcatca  | ttcctgaaac  | ggcttattac | gtggaaaccg  | ttatcgtaca  | atggtttgat  | 1498800 |
| gaaagttgcc  | tttgaaaaga  | acgcatcaca | cacgactgtg  | ccagaaatac  | gtttcagctg  | 1498860 |
| ttcctgtatg  | ctgataaggt  | aagagctgta | ccagtcaaca  | agattcttct  | cacagctttc  | 1498920 |
| cagcgttgct  | ttgtcagggt  | tctgtacaga | gcccaaagtc  | atacattcat  | ggttgtcaac  | 1498980 |
| gtctataact  | ccaataccgg  | ttatttccag | tccacgtttg  | tattcaccgg  | cacaaccgga  | 1499040 |
| ccagaaatag  | ccaatccacg  | gcgttttgct | gcctgatttt  | ggaatgaaag  | acggatcaac  | 1499100 |
| ggctatcgcc  | ttgcgaccac  | ctttaaggtg | ttccctgatg  | atggcttcat  | tgaaggaaaa  | 1499160 |
| ccagtcaaa   | ccgtcgttct  | caaaattggt | gcggtatgtc  | tgttccgaga  | aacatccata  | 1499220 |
| ccgtcccat   | tgtaggaaat  | tgatgcggtc | aggtatagcc  | atgaataatt  | tcattgcatc  | 1499280 |
| catgaatact  | ttctgaaaag  | atttgcttat | atttacagct  | gattcgagag  | cgtttctgca  | 1499340 |
| ctcggattgg  | tattgcataa  | ggagtgattc | tttagtcata  | attaaaagtg  | gtgaagtact  | 1499400 |
| tctaatttac  | taaaaatcag  | tgaattatga | aatacttttt  | ctgttgattt  | tcagctgttt  | 1499460 |
| agcatatctt  | tttcatccct  | tttcttactc | cttgacgatt  | tattcttgac  | agtatttcaa  | 1499520 |
| tgatctcttg  | aatataat    | tgaaccggat | tatgccgatt  | ctatgtttta  | ttttaattta  | 1499580 |
| tcggtaaaaa  | tttaccgaag  | tattgagtaa | atataattta  | gattttaaatt | ctttcaaacg  | 1499640 |
| gagcacaaat  | attataatac  | attttaacaa | ctatatcctc  | aaacatagaa  | ataattgtta  | 1499700 |
| ctttactcta  | atttgtaacc  | tttttagttt | aataaaccta  | attaacgtga  | attcgacgaa  | 1499760 |
| ttcaaaacaa  | agcaagctgt  | gtgtcaaatg | tacgttgtac  | attgatacac  | ggcttttttg  | 1499820 |
| gaaacatgca  | gtacgccgca  | atcgcccca  | gtatgtttac  | gatgaaattg  | tcaaagcttc  | 1499880 |
| tgtgtctgga  | atgtccact   | tgcgcaatgt | ttttcaattc  | gtcgtttacc  | gtctctataa  | 1499940 |
| tagcccggtt  | cctaagcagc  | aatttgtccg | acacactcat  | caaagccccc  | ttcatgttac  | 1500000 |
| ttttgagttt  | tgtataaagc  | tgataaccgt | caacaaacat  | gcgtcgggaag | aggttcttgc  | 1500060 |
| cgatatagcc  | cttgtctgca  | accaactttc | cgtagatgaa  | ttcgacaaaac | gccttatact  | 1500120 |
| ccaacgggtt  | cctgtcatcg  | acatcacccg | gagttatcat  | gaagttcagc  | agctcgcctt  | 1500180 |
| tctcgttaca  | tatcaaattg  | agtttgaaac | cgaaaaacca  | tcccatggaa  | cacttgcccc  | 1500240 |
| tttgggctat  | acccttgaat  | accttggtga | tatgtatcct  | ttgattcctg  | cataccgca   | 1500300 |
| acggggtgct  | gtccacgaaa  | cttatgcctg | tgcatttttc  | aagcaacact  | ttcttaattga | 1500360 |
| aaagagccaa  | tggtactgcc  | acttcttttt | caagctccac  | aaaacgattg  | tatgaaacaa  | 1500420 |
| tctttgggaa  | gaggtggcgc  | agatgtctgc | atactttttc  | cagatagaaa  | tgtttcagac  | 1500480 |
| aacggtagcc  | ggagtcatgg  | aacaatatca | taatcaacat  | gatttctgcc  | tttgacatag  | 1500540 |
| tcgaatcgcg  | gtgataacgc  | cgcttggtgc | ctgatttcag  | cgtatatattt | tccatcattg  | 1500600 |
| catcaaaaaa  | cttgacagaag | tcgtccgcca | tacaaaataa  | ttctgtaact  | ttgtcctcgg  | 1500660 |
| tgatcatagc  | gattattggt  | tgtaataact | tgtaattgaa  | cactataaag  | ttacaacaat  | 1500720 |
| tttcgcta    | caccaaattt  | acaaatagtt | ataattcatc  | gaactcacgt  | tattttaag   | 1500780 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| tgctgcttga  | gccatttgaa  | gaatagctcg | accaaccatc  | ttttcttgta  | gagattagca  | 1500840 |
| acgtccaatg  | cagaaatatg  | tggtgcgttt | gtcaggaaag  | tgaactcacg  | gtcacccctct | 1500900 |
| tcatcatagt  | aacgaatgag  | tcggaatgac | tcgggatatt  | tcttctctga  | gaggtatccg  | 1500960 |
| gtcagtttca  | cttcagcatc  | tgtaagtaca | tacttaggca  | tcctacgctt  | ccattttaacc | 1501020 |
| attgtgtatt  | tcaagttcgt  | cttagctctg | acaacgaaaa  | aggaacctgt  | caggtgtatc  | 1501080 |
| ctatatagtt  | ccttaaaaga  | gtcataagcc | ctgtcgaata  | tataataagc  | atgttggttca | 1501140 |
| taatggattg  | aacacatcgc  | tgtagagtcg | tgcttcgatg  | ctgtgggttac | agtatagaag  | 1501200 |
| gcaggaactt  | gtgcttcaat  | gtcatataag | acatgagctt  | tgacacctcc  | tttctttctt  | 1501260 |
| cggaaacttcg | cccatggaaa  | tgtggctaga | cacaacggaa  | tagttgttga  | atcaaaagca  | 1501320 |
| tacttattcc  | ctggaatatc  | caagatgttg | gtcgcctcgt  | tttcacaagc  | ttccttcatt  | 1501380 |
| atatagaatg  | cgaagtcttc  | aaagattctg | tagtcacgat  | tctgattagc  | ataagcgagg  | 1501440 |
| gtggcctttg  | ctattggatt  | gcgtcccaga | ccaagatgat  | attgcttggc  | ttgatgcgct  | 1501500 |
| tcaaaagcta  | caattaagtc  | gcgaagactc | tcacgattgc  | tcagttgtcc  | gaacatcata  | 1501560 |
| gcaagtaact  | gattccagca  | ggtgaattgt | ttcacgtagc  | gattaccatt  | atacttgcca  | 1501620 |
| acaaagtatt  | tgaatttgtt  | tctgttcata | aaagcggtaa  | gttgagcgaa  | tacgtattta  | 1501680 |
| tcttggttca  | taagcggcat  | tcaatttgac | cgctaagcta  | cgaattcaaa  | tccgtttcat  | 1501740 |
| tctaaaatac  | tgcttaaaag  | actgtatttc | aacaatttca  | aaggccatt   | aaccaacttt  | 1501800 |
| tattggacag  | tagtgaaacg  | atctaatact | tttttatctg  | aatccgtcaa  | aaaaccgctc  | 1501860 |
| cgcgactgga  | tgaaggcac   | cgttgatgat | ctgggaatac  | ctgcagcacg  | tttcatacaa  | 1501920 |
| gcatacatgc  | tgccagtcgg  | aaacttgtaa | gtcgtaaaga  | gcaacgtacg  | ttccgtcttt  | 1501980 |
| acaattcccc  | gaatttggtt  | agcaaaatct | ttccatcgct  | tatgcggatg  | ctgccctaca  | 1502040 |
| agaaaccatc  | cgcaagtcca  | gcacccggaa | atcaggaagt  | cgcaatcagg  | caaccgttcc  | 1502100 |
| agatttgtat  | ccgaaataga  | gctcagactg | acacttattc  | ccttcgacca  | caaatacata  | 1502160 |
| gcaatctcac  | gagccagccc  | tgcggtcttt | cctttatgac  | tataatatag  | aactacagct  | 1502220 |
| ttcattttat  | tccatgtata  | aaagtattgt | tatcagattt  | ttcccggcaa  | atagcattca  | 1502280 |
| ttttccactc  | cggctttctt  | ctgatctttt | ctttactgat  | aaaacaaaaa  | atcaaaccaa  | 1502340 |
| cccatacggg  | agtactgctt  | ccccatctct | tttctcttct  | ccattgtttt  | gcataaagat  | 1502400 |
| atagagatga  | aaattatttg  | tatatatttg | caaaattcat  | ttttccgata  | agctttatag  | 1502460 |
| acaaaaacga  | ttaacgaatg  | gaactaagac | aactaaagta  | tttcaaagaa  | gcctgcgagc  | 1502520 |
| gacagaattt  | ttcggaagct  | gcgcgtatgt | tgcatatttc  | ccaaagtaca  | ctttcacagc  | 1502580 |
| aaatcaagca  | gttggaagac  | gaactagacg | tactgctctt  | cgaccgtata  | ggtaaaccgta | 1502640 |
| tcgtaccgac  | tgaagccgga  | caggctttcc | tgcttatatg  | aatacgtgcc  | atacacgatg  | 1502700 |
| ccgaagacgg  | aaaacagatc  | atccgcgact | tgaaggaat   | tgaacttggg  | gtacttcgta  | 1502760 |
| taggcgtaac  | gtatagcatg  | agcccgtccc | tgattgcaac  | gctggaactt  | ttcaaccagg  | 1502820 |
| cttatcctaa  | aataaagggtg | gaagtaacct | tctcaacatc  | cgaaaagctg  | ttgaaacggc  | 1502880 |
| tggtatggcag | cggaccggat  | ttcgtactat | ctttcaagcc  | cgaagacata  | aaagaagaat  | 1502940 |
| tcgatacaat  | tccacttttt  | tcttcccggc | ttcattttat  | tgtccatcag  | ttccacccgc  | 1503000 |
| tggcggggcct | gtcctccatt  | acgttaaaac | gcttgctcga  | aactcctctg  | atactgcctg  | 1503060 |
| aatgcggatt  | tgccacaaga  | aagaaaatag | aagaattatg  | tcagactcat  | catctgaaat  | 1503120 |
| taaatatcgg  | tgtagaaatg  | gacgatgtgc | atactattat  | ccattcattg  | aaaaacggtc  | 1503180 |
| agtgggctac  | gattctcaca  | caggccgctg | tccgtggaga  | ggaagatctg  | gtacaaattc  | 1503240 |
| ccattctttg  | taatgagcac  | ttaacttccc | gaggctatct  | attctggcca  | caaggaagtt  | 1503300 |
| atcggaaaaa  | gtctgcatta  | gcttttgccg | atcttctatt  | gaaaataaca  | gggagcaggt  | 1503360 |
| aacaatccaa  | taatacaacg  | taaaagtttt | atatttctaac | aaatcggcat  | atcacgattc  | 1503420 |
| cccaataaaa  | caaaaatccc  | gacaaagtca | aggaagatat  | aaccacctca  | acttgctcggg | 1503480 |
| aaatataagt  | atattcctaa  | attactatct | tagcgtaaac  | gttcgtacgc  | ctttaccaac  | 1503540 |
| atctcatctt  | ttccgatagc  | acggatagca | agccaattca  | atatgattga  | aatcaaagga  | 1503600 |
| aggcaaaagag | tccatgccgg  | ggtaaaactt | ccgcaatctt  | tcaatgttcc  | ccagacgaat  | 1503660 |

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| tgcaacatac  | gttttttata  | aaggaaaatc  | gtaacaagt  | caacgattgc  | cactaccata  | 1503780 |
| agaatagcaa  | acaaagccca  | aggagcataa  | tttgcatttc | catccggagt  | caacacagca  | 1503840 |
| agattcgtca  | aatttgaaac  | ggttgtatcc  | gtataaaaat | ttccgacagg  | gaaagacatc  | 1503900 |
| attactacca  | tcagaatagc  | aacaatgagt  | aaataaactg | tctgaatacg  | ttgtatcata  | 1503960 |
| ataaacaatt  | ttaggtatag  | aacgaacaaa  | aaaaacacag | aagcgcatta  | tcacagatat  | 1504020 |
| gaaaatattc  | tcttaaagcg  | aaatgcgttt  | ctgtgttcaa | ccaatatagc  | cttattgtag  | 1504080 |
| tttttctttt  | tccttagcag  | gatttctgta  | atacacctta | ccttctatgt  | attcctgagt  | 1504140 |
| ggcaatcaaa  | gtaggtttcg  | gcaatttttc  | ataataacgc | gaaattttcaa | tctgctctct  | 1504200 |
| gttttcgaat  | acttcttcca  | gattatcgct  | ataagaagca | aattcttgta  | atttctttga  | 1504260 |
| caagtcattc  | ttcattttcta | ccgcaatctg  | attggcacgt | ttaccgatga  | ttgcaactgt  | 1504320 |
| ttcatagata  | ttaccagtat  | cttcacacag  | ttccatcagg | tcacgggtta  | cggtattggt  | 1504380 |
| aggagcattt  | gtctttttgt  | aatccataat  | tctttattta | attataaacc  | ttgattaatt  | 1504440 |
| ctcgtctttc  | acaaacttac  | ttgcatcctt  | aaatatctgt | tccacctcgt  | ttttgtattt  | 1504500 |
| actttcgggg  | aattcattta  | taaatgcata  | atattcatca | atagtttcac  | gcatacgggtc | 1504560 |
| ttccttcttc  | tccggcacac  | tttcttttgc  | catatcgtac | ttcgcacgta  | aaatcaggat  | 1504620 |
| agaaaagatct | tcacgtttct  | tgggtgtaagg | atactcacgc | aggatattct  | gtgcagtaac  | 1504680 |
| cacagcagcc  | aggtagttat  | taccctgact  | actatataca | gtattaccgg  | tatacgaacc  | 1504740 |
| caggctgtaa  | tacaatttgg  | ctgacaggta  | ttccttttca | actaatttat  | cctgtagctc  | 1504800 |
| aaaaatcata  | ttctgtgcaa  | tttccttacg  | ctcgtctcgg | ggaaaatact  | ccataaacat  | 1504860 |
| ttgtaattcc  | tcaatagcct  | tataagtact  | gctctggtcc | agacgcggtt  | ccggagtatc  | 1504920 |
| cagatacaaa  | gcctttccac  | tataaaaagcg | ggctagtctt | gtatagacac  | cacggggata  | 1504980 |
| agtcgtatag  | tatgtattaa  | aataatgaga  | agcagtaata | taatcaccct  | gattataata  | 1505040 |
| agtcattgcc  | agcatatacg  | cagactcttc  | cgcattgctc | gttcccttca  | tgatcaaggc  | 1505100 |
| cagatcttcg  | agaagagtag  | cagctttact  | gttttgcctt | ttggcaaaat  | aactttttgc  | 1505160 |
| agcttcatat  | ttatattcgt  | tgtccgtgca  | tttcagcact | ttattgtact  | ctccgcatga  | 1505220 |
| agataatact  | ccagcagaaa  | ggatggccat  | aacgatgtac | tttttcatgt  | ttatcaatat  | 1505280 |
| agatgcgcaa  | aattacgctt  | ttccgacgaa  | taatgcaata | actcaatgtt  | ttttaatata  | 1505340 |
| aaattcacac  | tcctgcacca  | tcagacgaaa  | ataatgtgta | tttttacact  | tcattaaaaat | 1505400 |
| acttgataaa  | tgaattttga  | acttgatca   | gactatcagc | ctacaggcga  | ccagccggaa  | 1505460 |
| gctatcgcac  | aattgacgga  | gggtgtcaaa  | gcgggagtag | cggcacagac  | actattgggg  | 1505520 |
| gtaacaggct  | ccggcaagac  | atttacaata  | gccaatgtgg | tgaagaacat  | caacaagccg  | 1505580 |
| actttgatat  | taagccataa  | caagacattg  | gccgcacaat | tatacgggga  | attcaagagc  | 1505640 |
| ttctttccac  | acaatgccgt  | agaatattat  | gtatcatatt | acgactacta  | ccagccggaa  | 1505700 |
| gcataattgc  | cttctacgga  | tacttatata  | gaaaaggacc | ttgccatcaa  | tgaggaaata  | 1505760 |
| gacaagttac  | gactggctgc  | tacatcggcc  | ttgctttccg | gacgaaacga  | tgtcatcgtc  | 1505820 |
| gtgtcatccg  | tatcgtgtat  | ctacggtatg  | ggaaatcccg | ccgattttta  | taataacgtt  | 1505880 |
| atagacatca  | aaaaaggaaa  | gctgctggac  | cgaaatgttt | ttctgcgccg  | actggtagat  | 1505940 |
| agcttgatag  | tacgcaatga  | tatagagtta  | aaccgaggca | atttccgtgt  | taaaggagat  | 1506000 |
| accgtcgata  | tctatcttgc  | ctatactgat  | aatctgctgc | gtgtcatgtt  | ctgggatgac  | 1506060 |
| gaaattgatg  | ccatcgaaga  | gatagaccg   | atttcaggac | atcgtatagg  | aagtttcgac  | 1506120 |
| gaatataaaa  | tataccccgc  | caatctgttc  | atgactacga | aggaaagcac  | tttgagggcc  | 1506180 |
| atccatcaga  | tagaagacga  | tctgaccaa   | caagttgcct | tttttgagga  | acaaggtaaa  | 1506240 |
| ccttatgaag  | ctaaacgact  | atacgaacgc  | gtgacctatg | atatggaaat  | gcttcgggag  | 1506300 |
| ctgggacatt  | gttccggcat  | cgaaaactat  | tcacgttact | tcgatggacg  | ggagccggga  | 1506360 |
| agccgtcctt  | actgtctgct  | ggacttcttt  | cccaaagatt | ttctgattgt  | cattgacgaa  | 1506420 |
| agtcacgtaa  | gtgttcccca  | gatacgtgcc  | atgtatggcg | gtgaccgtgc  | ccgtaaagag  | 1506480 |
| aatctagtgg  | aatacggatt  | ccgattgcct  | gctgccatgg | ataaccgtcc  | tttgaagttc  | 1506540 |

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| gaactgatac | aaagcgaagg | ggttggtgtt | gaacaggtca | tccgcccgcg  | aggactgctg  | 1506660 |
| gatccggtca | ttgaagtacg | tcccagcatg | aatcaggtag | acgatttaat  | ggaagaaatc  | 1506720 |
| cagcaacgca | tcgaacgcga | agagcgtgtt | cttgctacca | cgctgaccaa  | acgcatggca  | 1506780 |
| gaagaattaa | ctgattacct | gcttcgccac | aacatacgct | gcacttatat  | ccacagtga   | 1506840 |
| gtagaaacat | tggaacgagt | acgtatcatg | gaagatctgc | gacaaggcgt  | ttatgatgta  | 1506900 |
| ctcattggag | tcaacttgct | gcgtgagggg | ctggatttgc | cagaagtttc  | actggtcgcc  | 1506960 |
| attctggatg | ccgataaaga | aggctttctc | cgctcccac  | gttcacttac  | acagacagcc  | 1507020 |
| ggacgtgctg | cccgcacgt  | aaacgggaaa | gtcatcatgt | atgccgacaa  | gataacagac  | 1507080 |
| agcatgaagc | aaaccatcga | tgaacaaaac | cgccgacgag | aaaagcagct  | ggcctacaac  | 1507140 |
| gaagctcatg | gcatactacc | ccaacaaatt | aagaaagcca | gaaacaatgt  | attactggat  | 1507200 |
| agtacaggag | attccaatgc | agcaaaaaaa | caaccaagg  | cctatacaga  | caaccgggaa  | 1507260 |
| caaatgcacg | cagcagccga | tccaattgtg | caatatatgt | ctaaagagca  | attacaaaaa  | 1507320 |
| agcatggaac | gtacacgcaa | gctcatgcag | gaagcggcca | agaaactcaa  | ctttatcgaa  | 1507380 |
| gctgccaat  | acagagatga | actgctccgg | cttgaagatc | tgttaaaaaa  | caaactctga  | 1507440 |
| gtccgatgtt | aattgttaca | ctttcctgct | tctttgtctg | ttcgttttgt  | aaaaaacaaa  | 1507500 |
| tcttgaattt | gatgtttaga | acatgaatag | attctgaata | aagaataaga  | ttgaaatttc  | 1507560 |
| aaaaatattc | gaagcaaaca | ggagctgtac | catataaacc | gataggtaca  | gctcctgttt  | 1507620 |
| gctaaaagac | aaaaacaaat | caccccgac  | aaggcagatg | cttcataaaa  | gcactcgctc  | 1507680 |
| tcatccgggg | tgatttctat | ataccgctat | gtattattat | ttctgaatat  | caataccttt  | 1507740 |
| gttgcgtaat | gtcattgcc  | tcagacgcag | atattcacta | tactgcttct  | cagtcaatgt  | 1507800 |
| atttttcatc | agcttcaaat | tactgtaaac | agcattacga | actttctgtt  | cactgttttt  | 1507860 |
| ctttgagctg | ttagctactt | tcactgtttc | ctggaaatag | tcacaaatgt  | tagctacttc  | 1507920 |
| ttcatgctgc | tgagaagaaa | gtttcagata | ctgtgtcaat | tttgctttgt  | taatagctcc  | 1507980 |
| atcccatttt | tcagtaacct | taattgtatc | atttgcaccg | ttagcaaata  | cagaaactga  | 1508040 |
| aaacgtcaat | gccgctacta | atgtaaattc | taattttctc | ataataccta  | attttaattgt | 1508100 |
| tacctaaaaa | cttgttacct | taaattactt | atacttatta | aacctagtct  | agcttgagct  | 1508160 |
| caatcttttt | accgcaacaa | aggtaaaaaa | tatatcttac | aacatacaaa  | tgaattccct  | 1508220 |
| aaaaaatgca | ttacatatat | catttattga | tataaatcaa | ataaacaata  | tcagaacacg  | 1508280 |
| ctttgatgta | actcttttgt | aacaccaagc | caccatttca | atcaaatacgt | tgactttttg  | 1508340 |
| aaatacaaca | tgcaacaata | ttatatacat | aaggcttcca | cctcagagat  | tattgctaac  | 1508400 |
| tcacaacaat | atttcccaa  | aagaaacatt | cttatttttg | gcaacgtaaa  | aaaatatcct  | 1508460 |
| acttttgcat | ataataacct | caaaatagtt | aagatgaaaa | aacatgttat  | tttattgacg  | 1508520 |
| atgacagtta | ctctattcgg | attgtcatca | tgtatgagta | ttttctccag  | ttcacaacag  | 1508580 |
| cccataacca | ttacaggaga | gaatggaatc | aaactgtatg | atgcaacaaa  | taatgtaaaa  | 1508640 |
| cttgcaaaaa | tcaaagaagg | agaatctacc | acaatcagat | taaagaagaa  | actttccgat  | 1508700 |
| aaaactatta | tagccaagaa | agaaggttat | aaaaacactc | cttttgtcat  | agaatcggca  | 1508760 |
| ttcaatgcaa | aatctttatg | gaatatattg | ttctggccgg | ggttcctgat  | tgatttaggc  | 1508820 |
| acaggaaaaa | tcaacaagta | tgatccggtt | atatataatg | tagaaatgga  | gaaagaatag  | 1508880 |
| acaaaacaaa | tcaaaacaag | tagaaataga | caaataataa | aaaagccttt  | gacttacatc  | 1508940 |
| aaaggctttt | ttattattca | ataacttgct | agattatcca | ccgaagttaa  | cgtacatgat  | 1509000 |
| agaagagctt | tctacgccc  | ggctatccag | catgttaacc | acagcttttg  | acatcggacc  | 1509060 |
| aggaccacac | atgtagtatt | cgtatgtctt | tggagcttcg | tgatctttca  | ggtaagtatt  | 1509120 |
| gtacataacc | tgatgaacga | atcccggagt | atacttcacg | cccgtgcat   | cggctgccgg  | 1509180 |
| atccggacgg | tcgagtgcc  | gatggaagtg | gaagttcggg | aaatcttttt  | ccaactgcag  | 1509240 |
| gaagtcttgc | agatagaata | cttcattcaa | tgcacgagca | ccgtagaagt  | aatgaagtcc  | 1509300 |
| acgatctctt | gtattcaatg | tacgagtcac | atgcataatc | tgtgcacgca  | gcggagccat  | 1509360 |
| accggcacca | ccacctaccc | agatcatttc | cttcttagag | ttgaagatcg  | ggtggaagtc  | 1509420 |



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| accgtaagga  | ccactcatca | ataccttata | acccggtttc | agggtaaaga | tataagaaga | 1509480 |
| agcgataccc  | ggcattacat | ccataaatcc | gctacggtct | ggtttgaacg | gcggagtagc | 1509540 |
| aatacgaacg  | gtcaacatga | acacatcacc | ttcggccgga | tagttggcca | tagagtaagc | 1509600 |
| acggattgtt  | tcttcctcgt | ttttacattt | cagcttaaac | aaaccgaatt | tttcccatgc | 1509660 |
| aggcaagtat  | tccttaccga | taaggtcttt | atcgatatcc | ttgtcgtaat | ccatttcgta | 1509720 |
| tttaggaatc  | ttaatctgag | cataagaacc | cgaataaag  | tccatgtgag | cacccttagg | 1509780 |
| caactgtact  | ttgaattcct | tgataaaggt | agccacgttc | ttgttagaga | taacagtaca | 1509840 |
| ttcgtattct  | tttacgcccc | ttacagattc | aggcaccttg | atagacaagt | cacctttcac | 1509900 |
| cttcacctga  | cagcccagac | gccagtggtc | tttctgctgt | ttgcggctga | agtgactcac | 1509960 |
| ttcagaaggc  | aggatttcgc | ctccaccttc | tattacctga | catttacact | gtccgcaaga | 1510020 |
| acccttacca  | ccacaagctg | acggcaagaa | tactccgttt | acggccaatg | tattcagcaa | 1510080 |
| tgtagagcca  | gactctactt | ccatttcctt | atcgccgttg | atagtcaatt | tcacattgcc | 1510140 |
| ggaagcaaca  | agaaaattct | ttgcgaccag | caggatgact | accagcacca | gaatagtcac | 1510200 |
| caggaatact  | ccaatgcttg | ctaaaataaa | actcatatcc | attgtctatt | cctttcctat | 1510260 |
| tagatgttca  | aaccagagaa | acacataaat | gccattgcca | tcagacctac | agtgatgaat | 1510320 |
| gtgataccca  | gacctttcaa | cggagcaggt | acgtcagagt | aagccatttt | ttcacggata | 1510380 |
| gcagccaaac  | ctacgatagc | cagcaaccag | cccagacctg | aacccaatgc | ataagagatt | 1510440 |
| gaatcccata  | catcgccgat | gaacttagag | tctgacggag | tcaggttaat | acgctgctgc | 1510500 |
| atgaacaatg  | aagcacccat | gtagcacag  | tttacagcga | tcaacggcaa | gaaaataccc | 1510560 |
| agtgaagcat  | acagtgaagg | gctgaaacgt | tctacgatca | tttcaaccag | ctgtacgata | 1510620 |
| gcggcaatta  | cggcaataaa | gaggataaag | ctcaagaagc | tcaaatcgat | accagaata  | 1510680 |
| ccgtcggcag  | ccagcacctt | agtctggagc | aagtagttta | ccggcagtgt | aaccaccagc | 1510740 |
| acgaaggtaa  | cggcaatacc | cagtcccagt | gcggtcttca | cattcttcga | aacagccaga | 1510800 |
| tatgaacaca  | taccagga   | gaatgcgaaa | atcatattgt | ccacaaagat | agagcggact | 1510860 |
| aataaaactta | taaaatgttc | cataatcttg | ttttaattga | gaaccttcac | gaaacgaaaa | 1510920 |
| gtatcttttc  | gacgggaaaa | gttctgcatt | gaataactat | tattctttat | cttgcaattc | 1510980 |
| tttgtgttta  | gcacgtgat  | accaaataat | acatgctacg | atgatcaatg | ccataggagg | 1511040 |
| catcagcatc  | aaaccgttgt | tcacatagcc | agcgtctttt | attgcatcat | agttcaggat | 1511100 |
| gttgaaacca  | agcaatgtac | cagaaccag  | caactcacgg | ataaatgcaa | ccattaccag | 1511160 |
| aatctttgca  | tatcccagac | cgttcccaat | accatccaaa | caagattccc | acggaccatt | 1511220 |
| agacatagca  | aatgcttcca | gacgtcccat | caggatacag | ttggtaatga | tcaaaccaac | 1511280 |
| gtatacagac  | aactgtacac | ttacatcgta | agcaaaagct | ttcaacaatt | cacttacgat | 1511340 |
| agttaccaga  | gcagcaacta | caaccagctg | tacgataata | cggatacggg | taggaattgt | 1511400 |
| cttacggatc  | aacgaaatca | caacattgga | gaaagcagta | ataatggtaa | cagaaagtcc | 1511460 |
| cattacgata  | gcaggctcca | acttagaagt | aactgccagt | gcagaacaga | taccaatac  | 1511520 |
| ctgtacggtc  | accgggttat | tcaaacccaa | cggagtagaa | aatacttctc | tatttttagc | 1511580 |
| tgaaaaataaa | cttcccata  | tattatctcc | tcctcattat | tcgttagtag | ttaaaaactt | 1511640 |
| ggtgtattgt  | cccatacagt | ctttcagcat | cttgtctaca | gcaagagaag | taatagtacc | 1511700 |
| acctgaaata  | ccatctacct | gatattccgg | tttttcaacc | ttaccattct | ttacaacacc | 1511760 |
| cagaccgatg  | gcgccattct | ccaacacatt | cttatcttta | aattcgttct | ggaagtgttc | 1511820 |
| tgtagcgatt  | tcagctccca | gaccggaggt | ttcagatgca | tgagagaaat | aagttccata | 1511880 |
| aacggtattc  | ttatcttcat | tcagtgcac  | atatccccag | atagctcccc | aaagtccggc | 1511940 |
| tccgtaaaca  | ggaatgacat | atttagtctg | accgtctatt | tcgcaaacga | acaagtgagc | 1512000 |
| acgaccgttt  | tccttatatt | ctttttcgta | tgcagtaaca | aaagcacctt | catacggagt | 1512060 |
| aagtgttccg  | tcttcggcaa | caaccatatc | agacttcaca | actttggcaa | attcagcttc | 1512120 |
| cgcacccctg  | acatccctga | taccagtgta | agaaaggatc | tgcttctttg | tatcaagctc | 1512180 |
| tacattcttt  | ccctgaatat | cgcgcagaga | agaattgacg | aaagccagca | agaatgctac | 1512240 |
| gataacaacc  | attaccgaag | cataaatgat | agtataagag | ttactattag | tattcattgt | 1512300 |

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| actataacgt  | agtcaatcag   | cgggtgcaaag | atattcatca  | gcaggatagc  | cagcatcata  | 1512420 |
| ccttcaggat  | aacccggatt   | caatacacgg  | ataatgattg  | ccatggcacc  | aatcaggaag  | 1512480 |
| ccatatacaa  | acttaccggtt  | ttctgtacgt  | gaagaagtaa  | ccgggtcggg  | tgccataaac  | 1512540 |
| acagcaccaa  | agcagaagcc   | acccaagcac  | aagtgttcgt  | accacggcat  | gtgagccacg  | 1512600 |
| ccggtatcag  | gaccgattgt   | attgaagatc  | aatcccatta  | cagctccacc  | aacaaatata  | 1512660 |
| gacaacattg  | tcttccagct   | tgctacgcca  | ctccacaaca  | agataacggc  | accgattgcg  | 1512720 |
| atagcgatta  | cactgggttc   | accgatagaa  | cccggaaatca | gaccagtaac  | catgtcccat  | 1512780 |
| gagaaaagcag | gacattcagc   | aaccttggca  | acacccagcg  | gagttgcagc  | agtcagacca  | 1512840 |
| tctacagtct  | tgcccaaacc   | gcagatgctg  | tcacctgata  | cccatacagc  | atcacctgac  | 1512900 |
| attttggttag | gataagcgaa   | gaacaagaat  | gcacgagtaa  | tcaaggcagg  | gttaaagata  | 1512960 |
| ttcatacctg  | taccaccgaa   | tacttcctta  | gcgaagatta  | cagagaatgc  | tgttgcaaca  | 1513020 |
| gcaagcatcc  | acaacggaca   | gtctacaggc  | acaatcatcg  | gaatcaacat  | accagaaacc  | 1513080 |
| aggaaacctt  | cctgaatttc   | ttccttcttc  | caactgtgcta | caacgaattc  | aattcccaga  | 1513140 |
| cctactacat  | aagaaacaat   | gattttcggc  | agaacagcca  | ggaaaccgta  | agcaaacatt  | 1513200 |
| tcgataaagc  | taccgctgat   | gcctgcatga  | acataatgct  | gataaccgac  | gttgtagata  | 1513260 |
| ccgaacaaca  | gtgccgggtat  | caatgcgata  | accacgagtg  | acatgatacg  | tttgctatca  | 1513320 |
| atcgcatcgt  | ggatgtgcgt   | acctgtcttc  | gaagtagtac  | tcggaacaaa  | caagaatggt  | 1513380 |
| tcgaagccat  | cgaacacaga   | acgaaaagca  | tgatatttgc  | cgccctcttc  | aaagtgtggc  | 1513440 |
| tttatcttat  | ctagataatt   | tcttagcgct  | ttcattttata | ttctattaat  | cttttagtta  | 1513500 |
| gtattagcac  | atttcacgac   | ggagcatatc  | cagtccttcg  | cgaacgatac  | gctgcagttc  | 1513560 |
| catcttagaa  | gagcaaacga   | actcacacag  | agcaaagtct  | tcaggagcaa  | cttcgtagat  | 1513620 |
| accagctgt   | tccatgcggt   | caatatctcc  | ggctatgatt  | gccttaatca  | aatattcggg  | 1513680 |
| catgatatcc  | atcggcaaca   | ccttatcata  | ctcgtttgac  | ataatcatgt  | gacgttcgcc  | 1513740 |
| accctttaca  | cgagcatcga   | gtgtatatcc  | tttcttgccc  | atcagccagc  | tgaagtaaga  | 1513800 |
| atggctagtg  | ctgaactgat   | caagacgagg  | catgatccat  | cccagcattt  | cgtgtacgtc  | 1513860 |
| gctaccttca  | ggaataactg   | ttacctggct  | atggaatgcg  | cccaggaatc  | cgttggcaga  | 1513920 |
| aatctgctta  | cctgtcagga   | cattgccgct  | gatataacgc  | agttccttac  | cggttgttac  | 1513980 |
| attgcctgca  | aacacatttg   | tcagacatgc  | acctactttc  | agcttgcaat  | aagcagcctt  | 1514040 |
| cttcacttca  | gagcctgtta   | cagctaccgt  | acgagtcata  | tccacgtgtc  | cggatttcaa  | 1514100 |
| cagacgaccg  | ataaagatta   | cagcctgcgg  | atcgatagtc  | catacgggtt  | cacctttatt  | 1514160 |
| tacaggagcg  | atgtggttga   | tttgacaccc  | tacgttgcc   | gcaggatgag  | gtccgtcgaa  | 1514220 |
| cactgtcaca  | gtcaggttct   | tagcctgtgt  | cagagccgct  | gcactttgtt  | tcacactaat  | 1514280 |
| actcaggtaa  | gtcttggcaa   | tttttgccaa  | agcatcgagt  | cctgtctgga  | aatttgcttc  | 1514340 |
| ttcacctttc  | agggcaaatt   | caaaatcagg  | agcaagcgga  | ttgctgtcga  | atgctgacac  | 1514400 |
| gaagattgct  | ctcggagcaa   | ctgtcggatc  | ggcaacaaca  | tcatacggac  | gctgcttgat  | 1514460 |
| gaaagcgaac  | ataccgcttt   | ccagcaacag  | ttcctttacc  | gcagctgcat  | ccatcttggc  | 1514520 |
| aacatctttc  | ttgccaaagt   | cctggaagtc  | ctgttctgcg  | gcagcttcca  | ccgtaatgct  | 1514580 |
| cattacttta  | cggcgagctc   | cacgtccac   | actggttact  | acgccactta  | cgggcgaaac  | 1514640 |
| aaatttcact  | tcaggatgat   | tcttgtcaat  | aaacaagggt  | cctccggcca  | taacatatcc  | 1514700 |
| ctgttctttc  | accactacct   | taggagtcac  | gcctgtaaaa  | tcacgaggaa  | tcaatgcata  | 1514760 |
| gaatcccggg  | tcctttacag   | ccaccacttc  | ggcagccgcc  | ttgcctttca  | ggttaatgtc  | 1514820 |
| aagaccttta  | cgcaatttta   | ttaaatttagc | catattgggt  | tataaaaaat  | ggttttataa  | 1514880 |
| atttgactgc  | aaaatttaaat  | aaaaaagaat  | ggaaataaac  | aattccaaac  | gaggaattac  | 1514940 |
| ggaaaaaatt  | ccttatataa   | tgggtgtacaa | gttacaaaaa  | caagcgaaat  | gtctttatatt | 1515000 |
| tgtaatatgc  | agaaagcaat   | ttcaatcatt  | ttaaatcttg  | tcaaatccgg  | tcgatccagc  | 1515060 |
| cctttccggc  | actcgtttta   | cagaaaaaag  | cgtccccgct  | ctaccaaaca  | aagtttaaca  | 1515120 |
| ttggcaaaaca | tcttttatct   | atttaattaa  | agtccaccaa  | cattcccgcga | ggaaatcttg  | 1515180 |

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| aagcagaaaa  | agagaagtcc | ttacaaactc  | ttcgcaat    | cctgaagggg  | aaaaattttc  | 1515240 |
| cggagcagac  | ttccctgaaa | atttgtacaa  | aaactaaaat  | cttttgtaca  | aatttttcaga | 1515300 |
| aaacatcagc  | acaagtttat | tcgaagaagc  | ggggctttta  | ccgaagagaa  | aagcccgatt  | 1515360 |
| tttccggcat  | cccgtttccg | gtgaagggcg  | tgaagggcaa  | aaaaggcaca  | aaaagttttt  | 1515420 |
| aatatccggg  | attttgtcc  | agcaaccggt  | tcatgacaat  | gaccttttcc  | ggaatgggga  | 1515480 |
| acacagtgg   | ataaccgtcc | gcctcaccgg  | gaagctgagg  | acggaaactg  | tacggacggg  | 1515540 |
| taaactgacg  | gaaacgaatc | aagtcctgac  | gccgccagcc  | ttcccaagca  | agctccatct  | 1515600 |
| gtctctcggc  | cagcagggtt | tcgagggtcg  | cctcacggta  | aggagctcct  | accctgccac  | 1515660 |
| gtacctcatt  | cagctcggca | gttccatctt  | caccgttccg  | tactttgggt  | tcactcatca  | 1515720 |
| tcagcagtac  | atcggcataa | cggaacagaa  | caatatcatt  | atccatcagc  | ttgccgtctt  | 1515780 |
| tcaaggccgt  | attatcgacc | tcgtatttct  | tcatacgggc  | acctgccgtc  | tgctcatact  | 1515840 |
| ccgtgttcga  | tacgtcgagc | gccactttat  | ccgatggta   | aatcaaaggc  | tcaccgttat  | 1515900 |
| cgagcaatac  | cggattgcct | tgcaaatcgt  | acacctcatc  | cgcaaaatag  | cagtaatcga  | 1515960 |
| aacgaggatc  | tactgcatct | gttcataac   | catacgtctg  | taaaacctcc  | agtgtcgcac  | 1516020 |
| tcgacccatt  | ctcacctccc | aagccatagg  | ctttggcatg  | attgtaatga  | cgggaacgga  | 1516080 |
| aaggatactg  | catctgattg | gtgtacaaag  | tcttattcat  | gggaacaaca  | aaaatattct  | 1516140 |
| cttgagaaga  | ttcattaaaa | atggcaaaat  | tggaagtata  | atcgttttcc  | agccgatacc  | 1516200 |
| ccatccgctc  | aagctccgta | caatagtact  | gtgtagtctg  | ccatgcatta  | agtcgtttgc  | 1516260 |
| cattgaccgt  | gaaataaata | gtactgccat  | taggataaac  | gccgtcggtc  | cagtcggcat  | 1516320 |
| ccatataaac  | ttctgtgttc | agtgccagct  | tagccagcag  | gaagtatgcc  | acagcccgtg  | 1516380 |
| tcacccttcc  | ataatacgt  | cccggagtat  | tacttctttc  | ttcgcttaaa  | aagggagcag  | 1516440 |
| cctcctgcaa  | ttccttcaca | atgaaggtaa  | atatctcatc  | ccgtcctgcc  | tgcatcatcg  | 1516500 |
| ttttatcgcc  | agtattggag | gagattatca  | gaggtaccct  | cccaaacaag  | tccatggtat  | 1516560 |
| aataataaaa  | catggcacgg | agagcacgca  | cttcggcctt  | gtacgctgga  | agttccttat  | 1516620 |
| cggaaatgagt | ggccgagaaa | cgttcaatct  | gttccagtga  | atagttacac  | tgcttgatgg  | 1516680 |
| agcggaacag  | gtattcccag | gtattcagta  | tggcatcgct  | gtttactccc  | cattggtgaa  | 1516740 |
| ggtaaagtcc  | ctgccagaat | ccgccgtcgt  | accagtcacc  | tccacgggtc  | ggcatgatag  | 1516800 |
| cctcatcggt  | cgtaaaagta | ttcaggctcgt | atattccacg  | tccagttccc  | tgcaaccctt  | 1516860 |
| cagaatcctt  | ataacttctt | atacaattat  | agagtgcgc   | cacaccgtta  | cggtaaagat  | 1516920 |
| ccgagatgga  | agcataggct | tcttcttcgg  | acaagccgtc  | gcggggatgt  | tcttccagga  | 1516980 |
| aactgccgca  | tgccagattc | agagttacag  | aacctgccag  | caaatataga  | tatagtttct  | 1517040 |
| tcataataaa  | caatttagaa | attaaggctt  | aaactgatag  | tataagttct  | cgacagcgga  | 1517100 |
| taagtacgt   | tatcgtctac | tcccaaggta  | gagtcgaccg  | tcatgctgtt  | gacaagcgga  | 1517160 |
| gtcagtcctg  | aatagccact | gatggtacc   | aaattgttga  | tggtaaacgc  | cagacgcag   | 1517220 |
| ttacgcaaaa  | actttgtact | tttcaatggc  | acataatc    | ctaccgtcag  | ataatcgaag  | 1517280 |
| ttgatataat  | caccgtcttc | cagccagtag  | tcggttgccg  | tctgatcctt  | gatcatccgt  | 1517340 |
| gcgggagcct  | ctgccatcac | gttataatcc  | ggaaggctgt  | tcataattcat | atacgtcagc  | 1517400 |
| gaggtaccgt  | tataaatctt | atgaccgaaa  | gctccgttca  | cctgcaagga  | aacatcaaac  | 1517460 |
| tgcttatagc  | ggaaactaat | attcgacca   | agcaaggttt  | tcggaacagc  | ctgaccggca  | 1517520 |
| atatagcgg   | cttcgccgtc | ttccagattc  | acacctcccc  | cattcagatc  | ggctattccg  | 1517580 |
| taagtatacc  | ctccattccc | gtcgggaacc  | agtccggtac  | aatgaggcag  | ataaaatacg  | 1517640 |
| cccagcggct  | gtcctactat | ctgataaacg  | atattgttgt  | atcctccatg  | aaagccggca  | 1517700 |
| ccattcagcc  | ccgcaatgac | ggtatattcc  | gaagcagaaa  | catactcccc  | gttatacatg  | 1517760 |
| ccgctcagag  | agagcaactt | gtttttctgg  | aaagtaatat  | ttgcgttgat  | gttcaattcc  | 1517820 |
| atatctttgg  | ttttcaaagg | cgtaataaccg | acggatatatt | ccgttccgct  | gttgcgcatg  | 1517880 |
| gaaccgatat  | ttgccagcaa | cgtattgtaa  | gtaaatggag  | gaacacttac  | ccgatagtta  | 1517940 |
| taaagcatgt  | cggtagtctt | ggaattataa  | tagttgaccg  | acagcagcag  | caggcggttg  | 1518000 |
| ccatacaagc  | cgatatccag | cccggcattg  | aacgtatgct  | tcacctccca  | tttcaaactc  | 1518060 |

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|          |      |          |       |         |       |         |      |          |      |         |       |         |
|----------|------|----------|-------|---------|-------|---------|------|----------|------|---------|-------|---------|
| ggattgat | at   | tccgcag  | tgt   | ttcgtac | gtc   | acgaccg | gtg  | aatttcct | ac   | cggtgcc | act   | 1518120 |
| ccgttcg  | ggc  | ggacaag  | gtt   | catcgtg | gta   | tacgaat | cta  | ttcctcc  | ctg  | attgccg | gca   | 1518180 |
| agtccg   | taac | caacacg  | cag   | cttcagg | tta   | tcgatcc | cag  | agagtcg  | cct  | cataaac | ttc   | 1518240 |
| tcactgg  | taa  | tattccat | gc    | ggctgaa | acc   | gacggga | aaa  | atccccat | ttt  | atgattt | gca   | 1518300 |
| ccaaatt  | tg   | aagatgc  | atc   | ggtacga | gca   | ttcaccg | taa  | gcacata  | acg  | gtcggca | tag   | 1518360 |
| gtatagt  | tta  | ctcgc    | cccg  | gaatga  | agcc  | agatgcg | gtt  | cctcata  | aata | cgagccg | gtt   | 1518420 |
| ccatccc  | acg  | gacgca   | acgc  | accagc  | ctgc  | aagttat | cga  | agccccat | ttt  | atccga  | aaga  | 1518480 |
| aagttgg  | tta  | ccgtagt  | tata  | aaagccc | gta   | tagacac | ttt  | tctccag  | ttc  | cgccagt | gcc   | 1518540 |
| agtacat  | cga  | tgaatg   | cct   | tttcaac | tgc   | ttctgat | acg  | taaacat  | cgc  | atttccc | cagc  | 1518600 |
| atcgact  | ccg  | agcgtc   | cggt  | tccccga | tac   | gcctgtc | cgt  | gcgcccag | ac   | cgtagtg | ggc   | 1518660 |
| agatact  | ggg  | agtcttc  | gga   | atcattg | taa   | gtatagg | agc  | cgaaaag  | gag  | aaacttc | caga  | 1518720 |
| tctggag  | aaa  | gattga   | agtt  | caggcgg | gcg   | tgcgcg  | tga  | aataaga  | aat  | atcatca | cgg   | 1518780 |
| tcgttcac | tt   | ccatccat | gc    | cagtgg  | attg  | gtaatct | gac  | tggccg   | tcgt | tatctga | tcc   | 1518840 |
| catgcat  | ccg  | tagtata  | atc   | cttatga | ttc   | ggaaacg | tag  | gattgaa  | agc  | cgctgc  | agaa  | 1518900 |
| tagaacg  | tct  | tctgca   | agtc  | gaccagg | tta   | cggtttt | tct  | tcaccga  | acc  | gaaaagt | ccc   | 1518960 |
| agctcgc  | act  | ggataaa  | actt  | accgaat | ata   | tcctgcg | aca  | tattcat  | gtt  | cgaggta | aaaa  | 1519020 |
| agtttca  | tgc  | tttcatt  | cag   | cactact | ccc   | tcccggt | cga  | ggtaacc  | caa  | agacaca | cga   | 1519080 |
| taccggg  | aa   | cctctc   | ctcc  | tccataa | aaa   | gcgatgt | tgt  | gattctg  | ctg  | aatacc  | cagc  | 1519140 |
| tgttcg   | attt | ctttctg  | aaa   | atccgt  | attg  | taacctt | tat  | ccagaat  | aga  | cagtcca | tgt   | 1519200 |
| gccgcag  | tca  | cattgcg  | gta   | ttctgc  | cccc  | gaaagca | tat  | ccagatg  | acg  | ataggca | tgc   | 1519260 |
| gcaatac  | cga  | aacttcc  | gtt   | ataattg | atg   | cgctctt | gc   | ccgaaac  | acc  | tttttt  | tagtc | 1519320 |
| gtgatatt | ga   | ttacacc  | cga   | agcacct | cgg   | gaaccgt | act  | gtgctgt  | ttc  | ggaagca | tct   | 1519380 |
| ttcaaga  | tag  | taaagct  | ttc   | aatatcc | gta   | gggtaa  | acag | aagtaag  | cat  | acttaa  | atcg  | 1519440 |
| cccaaca  | cac  | cgtcgac  | gat   | tatcagc | gga   | tcattgc | cac  | ttgtcag  | tga  | agtggt  | accc  | 1519500 |
| cgcaccc  | gca  | ccgactc  | cag   | ggctgcc | gta   | ccgttac | tgc  | ttttcata | aat  | cgataat | ccc   | 1519560 |
| ggaaact  | cgtc | cctgaat  | ggc   | ttccaac | gga   | ttggca  | agct | gttcctt  | gtt  | catctg  | ctgc  | 1519620 |
| tcggtaa  | tct  | gctccac  | cga   | accggat | atg   | tttttc  | agac | ttccccg  | tgc  | gtagcct | tacc  | 1519680 |
| gtgattac | ac   | tatcagga | ag    | agaaagg | gct   | tcgctct | gcg  | catttgt  | tacc | ctgacac | aac   | 1519740 |
| cacggtg  | cga  | acaaac   | aggc  | ggccaga | tac   | ttcgtct | ttg  | ttctccg  | atg  | cttcttc | cata  | 1519800 |
| aatattag | at   | ttaagg   | ttaa  | agtacga | agt   | taagcaa | aat  | gaaagac  | aaa  | agcaaca | atta  | 1519860 |
| cggacaaa | aaa  | taaaac   | gccc  | tgaaagc | cct   | cagacgg | tgt  | cagccgt  | tca  | aaagaat | tca   | 1519920 |
| ggacggt  | tata | tctataa  | aat   | catctta | tgc   | gttattc | ttc  | cggtgca  | aac  | atcggt  | tccc  | 1519980 |
| atgcagg  | cag  | acgtacc  | ggc   | ttttgct | tca   | agatatt | cag  | taccttc  | tcc  | ggcacat | att   | 1520040 |
| ttttctc  | tac  | caccagac | gg    | aacatgt | att   | cgttga  | acca | ttcatcc  | gtc  | ataatga | gat   | 1520100 |
| gtccttt  | tata | accggatt | c     | gtcccc  | cagc  | tattttc | gac  | catccat  | ttt  | ttcggc  | ttgc  | 1520160 |
| cgttttt  | atc  | cagatcg  | aca   | gccatca | aa    | tcattgg | catg | gctgga   | accg | ctagcaa | atg   | 1520220 |
| tctgtac  | cgc  | ctgtttc  | ttg   | tccatgc | cga   | atgtgg  | tcc  | catcaat  | gat  | tcataat | cga   | 1520280 |
| agtcttc  | cag  | gtcga    | gtgta | ccccg   | cttgc | tgtcaag | gaa  | tttagcc  | acg  | tcacaag | aaa   | 1520340 |
| agtacat  | cat  | cgtactg  | tct   | ttgattg | aa    | cgattgc | cat  | ttccttt  | atc  | tcatcg  | acag  | 1520400 |
| gcaagtt  | tac  | atacgtc  | cag   | ttctttc | cat   | cgtatac | atg  | acggtcg  | aaa  | tcaattt | cat   | 1520460 |
| aacattt  | gta  | atattca  | cgg   | ctcgggt | cat   | tcacag  | cat  | gacataa  | ttg  | tttgtca | aat   | 1520520 |
| catttccc | cag  | aaattcc  | tga   | tagaaag | aca   | gcggagt | tata | ttccttt  | gtc  | actccgt | tca   | 1520580 |
| tggtccat | gt   | aaagtgt  | tct   | accggct | cac   | ccaatgc | caa  | agccagc  | ata  | cgataaa | tgg   | 1520640 |
| tagaaag  | cat  | ttctgt   | ttttc | ttttgt  | ccca  | gcgctga | gag  | ctttgtg  | cct  | ttggcag | cct   | 1520700 |
| catcacg  | caa  | ctgcaat  | ccg   | aattctc | tca   | gtttcag | gcc  | aaccag   | acga | gctatct | gcg   | 1520760 |
| acgtatt  | ctc  | gctgct   | atag  | gtttcgg | gca   | tgaccga | agc  | cggtact  | aca  | ccatatt | tcc   | 1520820 |
| ctatgat  | gtc  | ggaaata  | acca  | gtaaact | gtc   | caccgtc | gct  | gatggg   | attg | cggaata | gcc   | 1520880 |
| attctacc | at   | tttatcg  | tcc   | atcggc  | tttt  | cacgcgt | atc  | aatgatg  | ccc  | tgtagg  | aaaa  | 1520940 |

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| gatttgcttt | ttccagctgg  | tcatagaaga  | aacagtaatt  | ctgagaaaac  | tccatttcat | 1521000 |
| ccagtccgta | tttggctatc  | atttgtgcac  | gcagtacgtt  | cagaccggta  | aagagccagc | 1521060 |
| aacgtcccga | ctgctgctgg  | tcggtaatac  | cgtgtgaaat  | tactttattc  | gagaagttcg | 1521120 |
| tatcgaagtt | tgccagattt  | tcatgatttt  | tcgcaaaaac  | tgctatgctg  | gttcctgcca | 1521180 |
| tggcattgta | aatagccttg  | tcggcagcgg  | tatgcttgta  | gctacttttc  | atctgactta | 1521240 |
| acatgtcttg | tgtaatcccc  | ccttgctgag  | cctgtgcacc  | cagcgccatt  | gccatcaggc | 1521300 |
| atgtcaatgc | tatacttttt  | ttcatagtcc  | ttaatgtgtt  | agtttctgaa  | tgatgcgcca | 1521360 |
| aaagtacgaa | atagtctttt  | aaaaatagta  | aaataagcag  | gcaaaatata  | gattacctca | 1521420 |
| agtgatattt | gtaattttga  | ttaatttttg  | agcagtacgc  | atgagtaaatt | tcagaaaagt | 1521480 |
| caaacatatt | gtccgattta  | ccattattat  | agcattggta  | tgctatttcg  | gaatcatcgc | 1521540 |
| cgttttgagt | cttcctttca  | ttcaaaaacg  | gctttctgtg  | cttgctgctc  | aggaactcag | 1521600 |
| ccgcatcatg | cagacagagg  | taagcatcgg  | aaacatagac  | ttgggattat  | tgaatcgtgt | 1521660 |
| catcatacag | aatgtatatc  | tggaagacaa  | gtcgggacaa  | gagttactta  | aagtggcccg | 1521720 |
| cctgtctgca | aagatagaac  | tatctccatt  | attgcacgga  | agaattcgtg  | tcagcagtat | 1521780 |
| ccagctcttc | ggtctgaatg  | ctcattttaa  | ccggcagact  | cccgaagta   | aacctaat   | 1521840 |
| ccagtttatt | ctcgacgctt  | ttgcttcgaa  | agatacggta  | aagaaaaaat  | cgaacatcga | 1521900 |
| tttaagaatc | aattctgtgt  | taatccgccg  | cggacaaatc  | tactacgacc  | ttctatcggc | 1521960 |
| ggcacagaca | ccgggacgct  | tcaatacaaa  | ccacctgggc  | attcagaatt  | tttcggcaac | 1522020 |
| cttgtcgtg  | aaggcactga  | ctcccgattc  | tctgaatgcg  | cagatcaagc  | gcttgagctt | 1522080 |
| caacgaacag | agcgggttca  | agttgaaaaa  | actggcctta  | aaactgacag  | ccaatcatta | 1522140 |
| cggcttgcaa | gccaacaacg  | tagaagtttc  | actgcctcaa  | agcgaactgg  | ctatcgatac | 1522200 |
| acttgctgtc | gtcacgaca   | gtgcacctc   | attcccaatc  | tttaacaacg  | atacgagta  | 1522260 |
| tatggctcgc | atgcatgcc   | gcattgcatt  | gtccgatctg  | gctatgtttg  | ttccatcggt | 1522320 |
| cgcgcacttc | gacgatgata  | tcaatctgcg  | tattgcactc  | gagggaaaag  | gatatcagac | 1522380 |
| aaaatgtacc | gacatttatc  | tttcgaacaa  | tgaccagagc  | ctcttactga  | aaggagaagc | 1522440 |
| catgataaat | caactggaatg | agaaaaacaa  | cttgttcctt  | ttcggttaact | tgtcgcaatt | 1522500 |
| ggatgcggat | aaagaaggca  | taagctggct  | cattcagaac  | ttgaccggca  | aagccaatgc | 1522560 |
| gcccgatatc | ttgcagcgaa  | ttggagatat  | cagcttcaac  | ggcgatatat  | ccggctatct | 1522620 |
| gaatcagctg | acaactcatg  | gcacacttct  | gaccgacgta  | ggaaatattc  | gtgcgaatgt | 1522680 |
| aactatgcat | tccgacacga  | tactcattt   | gcattcttac  | tcaggtaaga  | taatcagttc | 1522740 |
| agagctgaat | ctaggcatgt  | tgctcaatca  | ggaaaagaca  | ttggggaatg  | cagctttcga | 1522800 |
| catcgaattg | caaggcttca  | aatataacaa  | cgggaaagca  | gaatcgtaca  | ttaagggtaa | 1522860 |
| tatttcatcc | ctgacataca  | aacaatatga  | ataccgcaac  | atcatgctcg  | acggtaagta | 1522920 |
| tacgccggga | ggattcaatg  | gaaaattgtc  | tttggatgac  | agtaacggga  | atattgaaat | 1522980 |
| caacggacac | ttcgcaaccc  | gacaggctgt  | acccgacttt  | aatttgagag  | cggtagtacg | 1523040 |
| aaacttccgc | cccaatgact  | tacatctgac  | cgacaaatat  | aaagacacgg  | acatgtcact | 1523100 |
| gaatctgaca | gccgatttca  | gcggacattc  | catcgacgat  | atgcagggta  | aaatcagcat | 1523160 |
| agacagtgtc | agtgtcaacg  | ctccggaaga  | agcccagtgc  | tactatctcg  | ataatctgag | 1523220 |
| catcactgcc | ggaaatacgg  | gcaagaacaa  | ggagaagcaa  | atcgaaatcc  | actctccttt | 1523280 |
| cctgaatggg | tccgtcaagg  | gaaactattc  | atatacgtacc | cttcccgcga  | gtatcctgaa | 1523340 |
| aacattgcag | cgatatattc  | catcgctact  | ggcactgaac  | aaggaaactgc | cggaaacaaa | 1523400 |
| caataatttc | ctgtttcatt  | ttcagttgga  | taatacggaa  | ttattttcca  | aagtactcaa | 1523460 |
| tattcctatc | gaactgggca  | cgccggctac  | cctgaacggt  | tatttcgacg  | acagccgtac | 1523520 |
| acgcttgacg | atacaagggtt | atctgcctga  | gtttgtctat  | aacgattctt  | atttcgaatc | 1523580 |
| gggaacgttc | ctttgcagca  | atacagcaga  | tgaactggaa  | tgtaggtgc   | gcatcaacaa | 1523640 |
| acggatgaaa | aaaggaggta  | tgatcaattt  | ttctgtcaac  | tccctcgtag  | cagcagacaa | 1523700 |
| actgaaaaca | acgattcact  | ggggaaacaa  | cgttccctct  | actttcagcg  | gtgtagtaga | 1523760 |
| aacaatgacc | agtttccgga  | aatcgggaaga | gaaaaacagg  | ttatcgacta  | ccatcgatat | 1523820 |

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| catagacaaa  | gatctgatag | aatcgatga   | tttctgttt   | gagcatcaag | accaatatgt  | 1523940 |
| acgggccaac  | ggcggtatcg | gaaaagagca  | gactgattca  | tgtctggtag | acttgagcaa  | 1524000 |
| catcaactta  | caatacgtaa | tggacattat  | ccagttccat  | gctgtcaagt | tcaacggact  | 1524060 |
| aattaccggt  | cgcgtacact | tacacaatgt  | gctggacaag  | cctgttatgt | atactcgact  | 1524120 |
| cagcgtcaaa  | gacttctctc | tgaatgatgc  | gctgctgggg  | ttgggagata | taaaaggaga  | 1524180 |
| atgggataat  | gaactgggag | gtgtccggct  | acatgccgac  | ataaaagaaa | acgagcatta  | 1524240 |
| ctttacgaac  | gtagacggat | atgtttctcc  | gaaagagaaa  | gggctcaacc | tgaatattca  | 1524300 |
| ggcaggagggt | acgaatctgt | cgttcttgca  | accattcgtt  | gaaaacatct | tctcgaacat  | 1524360 |
| gcaaggaaga  | gttttcggac | acgtacgcct  | atacggacca  | ttcgcagggc | tggaacctgga | 1524420 |
| aggcaatgcc  | caagctgatg | ccagcatgaa  | ggtaaaccatc | ttgaatacgt | cgttcacggc  | 1524480 |
| tcatgctgat  | tccgtccgca | ttacatcggg  | acactttaac  | ttcgataatg | tacgcgttac  | 1524540 |
| agaccctgaa  | ggacataccg | gactgatcaa  | tgggtctctt  | aaccatacta | aattgaagaa  | 1524600 |
| tctgacctat  | aatttccgct | ttaatacaaa  | caggatgtta  | gtatattata | cagagaagga  | 1524660 |
| aactcctgaa  | ttccccctct | atggcaagat  | atatactaca  | ggtgatgtat | tactgcgtgg  | 1524720 |
| aggaaacaat  | atgctgaccg | tagacggaac  | gttacgtacc  | gatccgggaa | ctaaattcac  | 1524780 |
| gtatgtcacg  | gcaactgctg | ccgaagctat  | caacacacaa  | ttcattacgt | ttgtagacaa  | 1524840 |
| gactcctcgc  | cgacagcaag | aaaatatcca  | gaccgagctg  | tatcatcatc | ttaataaaac  | 1524900 |
| agaagaagat  | gaagaagatg | atacgccgac  | tgatacacat  | atcaaccttc | agatagaagc  | 1524960 |
| tactccggct  | gcaaccatgc | gcacgtcat   | ggacccgggtg | gccagagata | atatctcggc  | 1525020 |
| aaacggaacc  | ggtaatcttc | gtatcaatta  | ttataacaaa  | ggagatttcc | agatcttcgg  | 1525080 |
| aaattataac  | atagaggagg | gtatctataa  | gatgagcatg  | cagaatgtta | tccataaaga  | 1525140 |
| tttcgtcctg  | caatcgggag | gctctgtttc  | attcaacggt  | aatccgagag | aagccaacct  | 1525200 |
| ggatgtacaa  | gctgtatata | ccgtcaactc  | tgcttcaactg | aatgacttag | tggccgatgc  | 1525260 |
| ttccaatata  | aagggaacag | taaagggtcaa | ctgcctgctg  | aacctgaagg | gtaacctgac  | 1525320 |
| agctccgaca  | ctgaagttcg | atcttgatct  | gccaccgctc  | agcgacgaag | accgtgaact  | 1525380 |
| ggtacgaagt  | ctgacaagta | cggaagaaca  | aatgaatact  | cagattatct | acctgctgag  | 1525440 |
| tatcggaag   | ttctatacgt | atgactatgc  | caataatgcc  | aaccagtcgg | atgcaaccag  | 1525500 |
| ttcgctagct  | ttcagtagcg | tctcgggaca  | gctgaacaat  | atgctctcac | aagttatcga  | 1525560 |
| cagtcagaac  | tggaacctag | gaacaaactt  | aagtacaggc  | gacaaaggct | ggactgatgt  | 1525620 |
| ggaagcagaa  | gccatacttt | caggaagggt  | gctcaacaac  | cgtctgatta | taaacggtaa  | 1525680 |
| cttcggctac  | cgggataatc | cgatgcgtaa  | caccaacttt  | gtaggtgatt | ttgaagcaat  | 1525740 |
| gtggctgctg  | accaagaatg | gagatttccg  | tctgaaagga  | tataatcaga | caaatgacag  | 1525800 |
| atatttcacc  | aaatcgacct | tgacaacaca  | aggcatcggt  | ttgatgtaca | aaaaagactt  | 1525860 |
| taccaactgg  | cgtgagcttt | tcgactggat  | tttattgaag  | cgaagaagca | aacgcaacag  | 1525920 |
| tcaatgataa  | atcaaaaaac | acaacattat  | aaaaacaaac  | tatcacatta | tggaagagaa  | 1525980 |
| ctacttcttg  | cctgccgaat | ggcatccgca  | aagttatatc  | caactgacgt | ggccacatag  | 1526040 |
| cgaaaccgac  | tggaactata | tgctggacga  | cgtagaagca  | tgttttctca | atctggcacg  | 1526100 |
| tgaaatagct  | tcccgcagc  | ctcttctgct  | ggtagcccc   | gaatatcccg | agatactgaa  | 1526160 |
| aggcctcgac  | tgcaaggata | atatacatta  | tatttcatgc  | ccgacaaacg | atacatgggc  | 1526220 |
| gcgcgaccat  | ggattcatca | ccttggttga  | gaatgacggt  | actcccctat | tgctggattt  | 1526280 |
| ctgtttcaac  | ggctggggaa | tgaaatttgc  | cgcaataaaa  | gacaatctga | taaacagtcg  | 1526340 |
| gatatatcaa  | agtaaactac | tgaacgggga  | atatatcaac  | tgccgtaact | ttgtacttga  | 1526400 |
| aggaggttcg  | atagaaagtg | acggaaaagg  | aacactgctt  | accacttcca | cctgtctgct  | 1526460 |
| tgctcccaac  | cggaatgaca | cgatggatcg  | cagtgaactg  | gagaaatacc | tgaaagaaag  | 1526520 |
| attcaacctc  | caacaaatct | tatggctgga  | tcacggattc  | cttgcaggtg | atgataccga  | 1526580 |
| cagccatggt  | gacaccctgg | cacgtctgtg  | tccggacgac  | accattgtct | acgtacaatg  | 1526640 |
| taccgactcg  | tctgacgagc | actataaaga  | gctgcaactg  | atggaagagc | aattcaaagc  | 1526700 |

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| ttacgatgaa  | gaaggggaatc | gccttccagc | gacttatgcc  | aatttcctga | taatgaatca  | 1526820 |
| ggcggtagct  | tatccgacct  | acgaccagcc | agcgaacgac  | ctgaaggcag | ccgaagtact  | 1526880 |
| ggcacaggct  | ttccccggca  | gaaaaattgt | aggaatagac  | tgccgtgcat | taattcagca  | 1526940 |
| gcacggatca  | ttgcaactgt  | tcacatgca  | gtatccggaa  | aatgtaaaac | ctgacaaatt  | 1527000 |
| ttaaaaatct  | cagaaccgat  | atgaaaagaa | ttatccgtgt  | aggtatcgta | caacaatctt  | 1527060 |
| gtacaaacga  | cctgaaaacc  | aatttagaga | aactgcatcg  | caacattgcc | tctgtagcac  | 1527120 |
| aggcaggcgc  | acagcttgct  | gtgttacagg | agttacataa  | tacccttat  | ttttgccaga  | 1527180 |
| cggaaagatac | ttccctgttc  | gatctggcag | aatctatccc  | cggtccttcg | acaggattct  | 1527240 |
| acagtgatat  | agccgctgct  | tatcacatcg | tactggttac  | ttcactattt | gagcgccgtg  | 1527300 |
| ctccgggact  | ctatcacaat  | acagccgtag | tatttgatgc  | ggacggaagc | attgccggga  | 1527360 |
| aataccgtaa  | aatgcacatt  | cctgatgatc | cggcttacta  | cgaaaaattt | tatttcacac  | 1527420 |
| ccggtgatct  | gggctttgaa  | ccaatcgaaa | ccagtttggg  | gaaattaggt | gtacaggat   | 1527480 |
| gctgggacca  | gtggtatccc  | gaaggagcaa | gactgatggc  | tttgaagggt | gccgaactgt  | 1527540 |
| tgatctatcc  | gacagctatc  | ggatgggaaa | gcagtgcac   | acaggacgag | aaaatgcgtc  | 1527600 |
| agcttgagc   | atgggtgact  | gtacaacgcg | gacatgccgt  | agccaacgga | ctcccggtca  | 1527660 |
| tcgccgtgaa  | ccgtgtagga  | cttgaacctg | atccttcagg  | ccagaccaac | ggcatacagt  | 1527720 |
| tctggggaaa  | cagcttcgtc  | gcaggaccac | aaggagaaat  | tctggcacag | gccagcaacc  | 1527780 |
| tgaaagaaga  | aaatatcggt  | gtagatatag | atatgaaccg  | cagtgagaat | gtacgccgct  | 1527840 |
| ggtggccttt  | cctgcgtgac  | cgcagaattg | acgagtttga  | ggatctgaca | aagcgcttta  | 1527900 |
| tcgattaaaa  | agacagattt  | ttctcttttg | caatcgaact  | tgctgccagc | aataatacag  | 1527960 |
| aagatctttc  | gaaccataca  | gccatccgga | ttcattgttt  | attacaaatg | ccggaaagcg  | 1528020 |
| attattcgta  | tacgccgtta  | tagccgtatt | tgactttatt  | tcttaactgg | cagcaaaaaga | 1528080 |
| atttatataa  | aacaattccc  | cacagattaa | agcccgaag   | gaatcataat | ctgtggggaa  | 1528140 |
| taattgtata  | tataaaaaac  | ggtatcaacg | tttatgccag  | aatcccggag | agaacatcag  | 1528200 |
| caagatacca  | aacaattcca  | atcgacctat | cagcatcata  | aatgacaata | cccactttgc  | 1528260 |
| cagatcagga  | agagcactcc  | atgaaaaagc | tggtccgtat  | gcaccagac  | ctggtccac   | 1528320 |
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| cagcacaatc  | cacccgatga  | aaagtgtaat | aagatacagc  | agcacaacac | tgtaaacgt   | 1528440 |
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| actttcatca  | tccttaaaca  | aatggagaaa | tttccctttg  | aggcacataa | aatacagcga  | 1528860 |
| aaagtttatg  | cccgacaaaa  | ccataaatat | ggcaatgaca  | tattctataa | acggagagt   | 1528920 |
| ccagtaagcc  | acactatcct  | gcttggtaga | atatcctccg  | gttgcagttg | tagaaaaagc  | 1528980 |
| atgacagaca  | gcatcaaaca  | agttcattcc | ccccagcatc  | aataagattg | tttcggttac  | 1529040 |
| ggaaagcaac  | agatataaccg | tcaaagcca  | ctttgccata  | atactaattt | tgggatgaat  | 1529100 |
| cttatcgtgc  | gttacccttg  | tagcctctgc | cgaaaacaac  | acctgatttc | ccactccaaa  | 1529160 |
| aatcggaag   | acagctatgg  | taaaaaagac | gatacccaaa  | ccaccaatcc | actgagaaaa  | 1529220 |
| gctacgccaa  | aacaacatac  | catacgacaa | agactcaatg  | tcacgagaa  | tggtcgcccc  | 1529280 |
| tggttggtga  | aatcctgaca  | tcgtttcgaa | aaaagcatca  | cttaccgaag | ggatctctcc  | 1529340 |
| actcaataaa  | aaaggaagca  | tcccgaacag | tgtaaataaa  | agccaggtaa | aagcaacaat  | 1529400 |
| acaataaccg  | tcgacgaggg  | aaagcttatt | ttcgccctta  | cgacctaaaa | ataccaaaac  | 1529460 |
| agcccctgcc  | accgcagtga  | taagcgtaga | ataaataaaa  | tagatataac | tatgctcctt  | 1529520 |
| gtagcatagc  | gaaactcctg  | cacaaacaag | gaacataact  | ccttctataa | acaataaaat  | 1529580 |

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| acaatagttc  | gttaaaaatt  | agcccagcct  | aagcggctct | ggcagtaaat  | aaaatgagtt  | 1529700 |
| ctttgaaaag  | tttgtcaatt  | aattgcgtgt  | ttggttcaat | cccagacacg  | caaataaatc  | 1529760 |
| gttcaagcat  | gtaagcattg  | tgtatgactg  | acttgcattg | tgatatggaa  | tattttattc  | 1529820 |
| ccatcttctt  | acaggcagcc  | ttggcgaggt  | ttatcgctgc | aagtgatgca  | ttaaagtgga  | 1529880 |
| atgccagttt  | cctgaagtct  | gtagactgac  | agtttgctat | tccggcatgt  | tgcttggcat  | 1529940 |
| cccgaaaagca | gaattcgagt  | tggaaacgtg  | ttctgtaaaa | gtccaggaca  | tcctgtgcgt  | 1530000 |
| tctgtatttc  | gtttgtagag  | aaatacagct  | gccatttgtc | cgttcttcca  | tccatggggt  | 1530060 |
| accatacagc  | caggctcaca  | aagcgtttga  | gtgcttttga | gtatgctttc  | agtccgtaaa  | 1530120 |
| gtttaccctt  | gttcactttg  | tactcggtac  | atcttgtgat | gtccagattt  | tcaaagtcaa  | 1530180 |
| ttttctcgtc  | atgtaatttt  | ggacgtccgc  | gttttcctgt | cctattttct  | aagggtggat  | 1530240 |
| aaaacaatac  | ggcatcattc  | ctgaagcggc  | ttattacgtg | gaaaccgtta  | tcgtacaatg  | 1530300 |
| gtttgatgaa  | agttgccttt  | gaaaagaacg  | catcacacac | gactgtgcca  | gaaatacgtt  | 1530360 |
| tcagctgttc  | ctgtatgctg  | ataaggtaa   | agctgtacca | gtcaacaaga  | ttcttctcac  | 1530420 |
| agctttccag  | cgttgcgttg  | tcaggtgtct  | gtacagagcc | caaagtcata  | cattcatggt  | 1530480 |
| tgtcaacgtc  | tataactcca  | ataccggtta  | tttccagtcc | acgtttgtat  | tcaccggcac  | 1530540 |
| aaccggacca  | gaaatagcca  | atccacggcg  | ttttgctgcc | tgatttttga  | atgaaagacg  | 1530600 |
| gatcaacggc  | tatcgccctg  | cgaccacctt  | taagggtgtc | cctgatgatg  | gcttcattga  | 1530660 |
| aggaaaacca  | gtcaaagccg  | tcgttctcaa  | aattgttgcg | gtatgtctgt  | tccgagaaac  | 1530720 |
| atccataccg  | tcccatttgt  | aggaaattga  | tgcggtcagg | tatagccatg  | aataatttca  | 1530780 |
| ttgcatccat  | gaatactttc  | tgaaaagatt  | tgcttatatt | tacagctgat  | tcgagagcgt  | 1530840 |
| ttctgcactc  | ggattgggtat | tgcataagga  | gtgattcttt | agtcataatt  | aaaagtgggtg | 1530900 |
| aagtacttct  | aatttactaa  | aatcagtgta  | attatgaaat | actttttctg  | ttgattttca  | 1530960 |
| gctgttttagc | atatcttttt  | catccctttt  | cttactcctt | gacgatttat  | tcttgacagt  | 1531020 |
| atttcaatga  | tctcttgaat  | ataattttga  | accggattat | gccgattcta  | tgtttaattt  | 1531080 |
| taatttatcg  | gtaaaaattt  | accgaagtat  | tgttcaaata | ttcattatta  | gctataatgt  | 1531140 |
| cttgcattgc  | cttttctcta  | aaattcgaat  | tacaaaacta | atgataaaga  | tcgaatagat  | 1531200 |
| tggtattttc  | gactaaaaag  | atgcatttta  | atttgtaatt | tatactgaac  | attcggaaat  | 1531260 |
| atttgcgtaa  | tttgcaacat  | taattaacca  | aattatcttc | tgacacggta  | tgagttaaact | 1531320 |
| tacttttcat  | ctgattaaaa  | agctgacagg  | cattgatatc | gagcaactgc  | aaaacgataa  | 1531380 |
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| agtaacttac  | aagcgtactc  | aactgaccga  | aacgcaggag | gagctttctg  | tcgcacaaac  | 1531500 |
| agaacttgcc  | caactacaga  | catctgtttc  | cacacatcag | caagaaatat  | cgaacttgca  | 1531560 |
| ggctgaaatt  | gctaaactac  | agtcggacaa  | agctacagga | ctggaaaaga  | tgcaatccga  | 1531620 |
| cgaagcaggaa | attgtttccc  | gcgacaatga  | aataaagtca | ctaaacgata  | agctcagcga  | 1531680 |
| agcactgaaa  | cagaacgaaa  | ccattacagc  | cggcaagaac | gagctggaac  | atcagttgac  | 1531740 |
| tgattttaaaa | ggaaaacaaa  | atcagactgt  | cagccaacta | gaagatttgc  | agaagctgaa  | 1531800 |
| cgaagcagatg | actgccgata  | aagagcaact  | gaagttgcaa | ctctcggagg  | cacgaaagga  | 1531860 |
| aatgaacgt   | atggcagccg  | ataaagacgg  | actgcaacaa | cagcttgacg  | aggtgcagca  | 1531920 |
| gcaaaaggct  | acactcgaaa  | cagacaagag  | cgagctggaa | cgctcagttta | ctgctgaaaa  | 1531980 |
| agaaatacag  | agccagcgtc  | ttacgcaatt  | ggaagaattg | caaaagcaaa  | acgaatgcat  | 1532040 |
| ggctaccgat  | aaggaacaac  | tgaaacagca  | actgtcggaa | gcgctgaaac  | agaatgaaat  | 1532100 |
| cattgctgcc  | ggaaaagatg  | aatggaaca   | acagcttagt | gatgcgctga  | aacaaaacga  | 1532160 |
| aaccatttctg | gcagacaaag  | atgaactgga  | acgtcagttg | actgatttga  | aagaggatga  | 1532220 |
| aagcgaaaac  | aatacattgc  | tggtatgactt | acagaagcag | aacgaaagca  | ttgctgctga  | 1532280 |
| gaaaattcag  | cttaatcagc  | agctttcgga  | agcattaaag | caaaacgaaa  | cgattgccac  | 1532340 |
| caaaagagat  | gagctggaaa  | aacagcttaa  | cgatacactg | aaacaaaata  | agacaattgt  | 1532400 |
| atctgataaa  | agtgaattgg  | aacgtttgct  | ggccgacgaa | aaagaaaaac  | acagccaaag  | 1532460 |



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| tattgcacaa  | ctggaagatt  | tacaaaaaca | acatgaagct  | atagctacaa  | gtaaggtaca  | 1532520 |
| actggaacag  | caattgtcgg  | aagcactgaa | acagaatgca  | agcattacca  | ccaaggaaag  | 1532580 |
| tgaagtggaa  | aacttgcaga  | aacagcttga | aacactgaaa  | aaagaaaacg  | aagctctaaa  | 1532640 |
| aagctattac  | tcacaactgg  | aaggagaaaa | agaaaaagct  | gtacaaaatg  | aagcgcagggc | 1532700 |
| aaagaaaagc  | atagaagaac  | tgacccaaaa | ctataccgac  | ttacaaaaaa  | gcttgtccgg  | 1532760 |
| actgcaagag  | aaacttgatg  | caacggagtc | ggaaaatgcg  | aacttatcgg  | ataatctttc  | 1532820 |
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| agtagagcaa  | tctcagaaag  | cacaagctcc | agagcacgag  | gaatctcatg  | aaattcctat  | 1533060 |
| acaaagagag  | acgcttcacg  | ctgaagcaga | acatcctgcc  | ggacaaaaag  | gtgatgaaac  | 1533120 |
| caagcaggaa  | gaatctcatc  | cggaaacgga | acaagcaagc  | gcattctgcta | ctcagcaacc  | 1533180 |
| agaacagcct  | catcattcag  | atgttctgga | agcctatcag  | gagatgaaaa  | ctaagctgga  | 1533240 |
| agaaaagtacc | ctgcactatc  | cctatacacg | tattacctcc  | gaaacggatg  | gatgccaata  | 1533300 |
| tatttatgaa  | tcacgtaccc  | tgcaactgaa | agcggaaactg | ttcatctggg  | gcgtagaagg  | 1533360 |
| caaagaagtg  | atactcgatg  | aaatacattt | catcccatac  | aatgaaattg  | ccaacataga  | 1533420 |
| aggctctggaa | tcgcctttcg  | caaccgaagc | gatggaatgt  | gatttttctcg | aaggcggcaa  | 1533480 |
| cggagaagaa  | gtggcagaag  | ctttgctcat | ggctatctgc  | tgttatcatc  | cggttcacat  | 1533540 |
| cacttaccgt  | gacaagacca  | acggacgaat | ctccgaacgc  | aatctgtact  | ggatttgttt  | 1533600 |
| ccagcctcaa  | ggagtaccca  | gtgtccgcct | tccatacgat  | aaaatattcc  | gtgacatggt  | 1533660 |
| cgatggtgaa  | atcgatacag  | accatatcat | ggcaatgtgt  | gtcacagtc   | ctgtaccgcg  | 1533720 |
| tactttcatc  | atcaaccaga  | tcttgaacat | tcaggtttac  | gatgcatttg  | tcacgacacg  | 1533780 |
| gaaaggagtc  | gacactcaga  | tagacggaat | gtattacgct  | gtgttagcat  | cccagccgga  | 1533840 |
| agctgccgat  | atgatttacc  | agtgcctgcc | ccagcagttc  | aagaaattgc  | cgtcgggtcat | 1533900 |
| cagttaccgt  | gcgcactact  | ggatgctgga | aggcgactat  | cagaaagcca  | tgaaacttta  | 1533960 |
| tctcagcttt  | gcgcctgata  | cagaagtcgc | aaagggcaag  | acatgggtcg  | caatcaatac  | 1534020 |
| ggcaaatttc  | gatgaattta  | tcagaaacga | tgtagaagca  | gagcgcttct  | cacaactgaa  | 1534080 |
| agaagcatta  | agagaagagg  | gttgggctat | ttaatagccc  | agctccttgc  | tgtctatctc  | 1534140 |
| tatctcacca  | aaagaaatca  | ttgcgttaaa | caggcgaatg  | cgggaataaa  | gagacaggtc  | 1534200 |
| gtctacgggt  | atgtcgcgtt  | ctacaatccg | tccttcatca  | agcaagcgct  | gtcgatgcgt  | 1534260 |
| ccctttcagc  | aagggaaaaag | agggcgatg  | ccattccggt  | ccattccaca  | aagcaacatt  | 1534320 |
| ggctatcgaa  | gtatccgtca  | gtcgcccggt | tcgtacaacc  | agcacatcat  | cctttccctc  | 1534380 |
| ccgccgagca  | aaaagattat  | ccagcgagct | ccggtccgca  | cttttcaatg  | aatactcagc  | 1534440 |
| ctcatcacaa  | tcaatcagct  | tcaggctatg | caccgcccgc  | aagcgataag  | gaatatacga  | 1534500 |
| cacttcttcg  | atctcccgtc  | cataaacgat | acgacaccgc  | gtacgttccc  | gataaggttc  | 1534560 |
| aggatgaaca  | aacttactca  | aatccagttc | agagacttgt  | ccccacacca  | tacggcgagt  | 1534620 |
| tgcatctcata | cgtaagttat  | gataaggcag | ataccacgcc  | tttccttctt  | cggtagcgat  | 1534680 |
| tgtttcaata  | aatcggcaca  | tatatittct | ttaccatttc  | ttcatattca  | ctgcgggcat  | 1534740 |
| cactacggaa  | agtaattcct  | ccccactct  | tatacaccag  | tccatcgtcc  | gtttgttcca  | 1534800 |
| aaaaacgaat  | catcacgcga  | ctgtccagat | tctgtccgtc  | gaaatacccc  | atgacaccgg  | 1534860 |
| tataaaatcc  | ccgctcatag  | gtttccgcct | ccgggataat  | ctctacagtt  | ttctgttttg  | 1534920 |
| gtgctccggt  | gatagagccc  | gccggaagca | atttgaagaa  | cagcgctacct | aattcttccc  | 1534980 |
| gatagtgttc  | cggcagacgt  | cccctgattt | cagaactcat  | ctgaagcaaa  | cgtccgctgt  | 1535040 |
| gcgtatgcaa  | ctcatccaag  | tagcgataac | gagttacagt  | aacttcgggt  | gccacctgac  | 1535100 |
| tcaagtcgtt  | gcggatcaaa  | tcggtaatgg | tagcatgttc  | ggcagcttcc  | ttctcgtcat  | 1535160 |
| tcagcagcaa  | gttgcgggca  | tcgggcagag | atgcgtcaat  | agtccctttc  | atcggatgag  | 1535220 |
| aataaatgtg  | accatcgact  | atacgcacaa | aggtttcggg  | agagaacacc  | acaaaacgat  | 1535280 |
| tgctgtacca  | caacttgtag  | cgagctgtag | cgtgttcgaa  | tacctccac   | agagaaagac  | 1535340 |

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| tggtcgacac | gggagtagca  | catgtcaggt  | tcgtcagaaa | cgagttccc  | gcatacaagt | 1535400 |
| tacgatatac | gatatcgaac  | gaaccgacat  | agtcttcata | cgactgaggt | gccgacttcc | 1535460 |
| aataaatggc | ttcaggcttt  | ggagcagacg  | acaatgaaac | attcgaaact | tcgggaaaaa | 1535520 |
| taaaagccag | cctgtctgga  | gagatatacct | tcaactccga | aaccagacac | tccgtttcat | 1535580 |
| caaaattgat | caggaagaaa  | aacgccgtac  | ctcgtgctcc | gaagcgggtc | atacgggcta | 1535640 |
| tagcttcctc | acgattgtaa  | aaatgtagct  | tcttcacg   | gctgaacgag | ttttaaacga | 1535700 |
| taaaatataa | atggtaactc  | caatggtgac  | aagcgccatc | attcccttca | gccaccagta | 1535760 |
| aggaaacagg | aaaagcacac  | aatgcaagcc  | cgtaatccaa | agcaaggaaa | cggatataat | 1535820 |
| cttagcacga | agcgggaatag | ctctttcttc  | acgaaaactc | cggatatac  | gtcctaagta | 1535880 |
| tttatgcgcc | agcaaccagt  | gatacatg    | cggggagccc | cggaaaaaca | atgctgccgc | 1535940 |
| aagcagcagg | aaaggtgtcg  | taggcagcac  | aggcaagaaa | atgcctacca | ctcccaacgc | 1536000 |
| caagaataga | gaacctgttg  | cgatatagat  | atatttcatt | gtacaaatat | acaacgaaag | 1536060 |
| ccggatattc | ctcgaaaagt  | agagtaaata  | ccgtcatatt | ttcatattgc | cgctttttat | 1536120 |
| cctatctttg | caaacagtaa  | aaacagatta  | atatggaaat | aaccagtgcc | gaatttgtag | 1536180 |
| tcagtaattc | aagggcagac  | atgtgcccc   | agaccaactt | gccggaatat | gccttcata  | 1536240 |
| gccggtcgaa | cgtaggaaaa  | tccagcctca  | ttaatatgct | gaccaagcag | cctaagctgg | 1536300 |
| ccatgacttc | ctctactccc  | ggaaagaccc  | ttcttatcaa | ccattttctc | gtcaacaagg | 1536360 |
| aatggtatct | ggtagacctt  | ccggggtatg  | gttatg     | gcgaggcaag | aagatgatgg | 1536420 |
| agaagattca | gaagctcatc  | gaatattata  | tactcgagcg | cgagcaaatg | acttgtctgt | 1536480 |
| ttgtgctgg  | agacagtcgg  | ttggaacctc  | agaaaataga | cctcgaattc | atggaatggc | 1536540 |
| tgggagaaaa | cggcgctac   | tttgccatta  | tctttaccaa | agccgacaag | cagagcagcg | 1536600 |
| gaaaaacaaa | attcaatgtc  | gaccgatata  | tggaagtgt  | gaaagaacaa | tgggaagaac | 1536660 |
| ttcctccgta | tttcatttct  | tcacgga     | agaaaacggg | aagaaaggaa | atcttagact | 1536720 |
| atattgagtc | tgtgaacaat  | tcattg      | ctcaaacta  | aaaaagtata | ttgcagtc   | 1536780 |
| gtaaaacg   | tgaagagtg   | aataaagatc  | tgacatatag | ttgattacat | actgatttca | 1536840 |
| gatatg     | tatctatgaa  | agtaatgcag  | ataatcagtc | gtttttatct | atttaccgag | 1536900 |
| cacgaatata | aagtattt    | tctttaacac  | tactgtccaa | taaaagttgg | ttaatggg   | 1536960 |
| tttgaaattg | ttgaaatata  | gtcttttaag  | cagtattt   | gaatgaaacg | gatttgaatt | 1537020 |
| cgtagcttag | cgggtcaaatt | gaatgccgct  | tatgaaccaa | gataaatac  | tattcgctca | 1537080 |
| acttaccgct | tttatgaaca  | gaacacaatt  | caataacttt | gttcgcaagt | ataatggtaa | 1537140 |
| tcgctacgtg | aaacaattca  | cctgctggaa  | tcagttactt | gctatgatgt | tcggacaact | 1537200 |
| gagcaatcgt | gagagtcttc  | gagactta    | tgtagctttt | gaagcgc    | aagccaagca | 1537260 |
| atatcatctt | ggctgggac   | gcaatccaat  | agccaaagcc | accctcgctt | atgctaata  | 1537320 |
| gaatcgtgac | tacagaatct  | ttgaagactt  | cgcatctat  | ataatgaagg | aagcttgtga | 1537380 |
| aaagcgagcg | accaacatct  | tggatattcc  | agggataag  | tatgcttttg | attcaacaac | 1537440 |
| tattccgtta | tgtctagcca  | catttccatg  | ggcgaagt   | cgaagaaaga | aaggaggtgt | 1537500 |
| caaagctcat | gtcttatatg  | acattgaagc  | acaagtcc   | gccttctata | ctgtaaccac | 1537560 |
| agcatcgaag | cagcactcta  | cagcgatgtg  | ttcaatccat | tatgaaccaa | atgcttatta | 1537620 |
| tatattcgac | agggttatg   | actcttttaa  | ggaactatat | aggatacacc | tgacaggttc | 1537680 |
| ctttttcg   | gtcagagcta  | agacgaactt  | gaaatacaca | atggttaaat | ggaagcgtag | 1537740 |
| gatgcctaag | tatgtactta  | cagatgctga  | agtgaaactg | accggatacc | tctcagagaa | 1537800 |
| gaaatatccc | gagtcattcc  | gactcattcg  | ttactatgat | gaagagggtg | accgtgagtt | 1537860 |
| cactttcctg | acaaacgcaa  | cacatatttc  | tgcattggac | gttgctaata | tctacaagaa | 1537920 |
| aagatggttg | gtcgagctat  | tcttcaaatg  | gctcaagcag | caccttaaaa | taaaaagatt | 1537980 |
| ctggggcaca | acggaaaatg  | ctgtccgcat  | tcaaatcagt | gtagcaatca | tcacttactg | 1538040 |
| tctagtggct | attgtccaac  | acgatatgca  | attgaagcgc | tcaacttatg | aagttttgca | 1538100 |
| gattctaagc | atctctctaa  | cggacaaaac  | taacttgcgt | gaactgttcg | ataagactga | 1538160 |
| tttcaacgat | gtcaaagaac  | tcgattatcc  | cctttttgaa | ggactatttg | attaattttt | 1538220 |

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| tttaaaaatg  | tctcgacgtt  | TTTTtatttt  | ttgtacaaaa  | aataaaaatgt | tttgtacaga  | 1538340 |
| ttttcgggca  | aacaagctga  | gaaactTTTT  | cttttctcgc  | aacaagattg  | acggagcttc  | 1538400 |
| atgacaatcc  | ccgtataata  | cgaaaagtct  | cttgccccaa  | aagaataatg  | atgccataa   | 1538460 |
| taccacagac  | tccttcctaa  | gttttcttga  | aactttcaca  | tctataggaa  | acgttcta    | 1538520 |
| atTTTcatag  | cgtatggcat  | tgctcacaag  | cataatatgc  | TTTTcgaaaa  | atcaa       | 1538580 |
| ccctaattcta | ttaattagt   | tccgacaaac  | atatttTaata | ggctgattat  | caatattgtt  | 1538640 |
| tttatggata  | agcctctttg  | ttaaagtgcg  | tgcttaattt  | tatgtatata  | aataagttat  | 1538700 |
| tgagggtttg  | aaaagtttta  | tcggacagaa  | taaatctatg  | aatattttttc | ataaaaataag | 1538760 |
| ccaactaatt  | taccgctctt  | caaacaaagg  | atggtaaatt  | agttggcttt  | taatcttttc  | 1538820 |
| gactgaaatt  | tatatTTcaa  | aggagaaagc  | gtcagccttc  | tatctcgctc  | agctccagcc  | 1538880 |
| agcgcagtgt  | cttctcgtcc  | agttcatcgt  | tcagtgcggg  | aagacgtttc  | gatttttccg  | 1538940 |
| tcagttcttc  | cacactcagc  | gaaccgctgc  | acaaggcttc  | ttccagcgct  | ttcttttccg  | 1539000 |
| cctccagttg  | agcaatgtct  | ttttccagct  | gttcaaattc  | ctttctctcc  | ttgaaagtca  | 1539060 |
| ttcggcgctt  | gtcgtTTtaag | cggacacgct  | gcgtcttttc  | ctctttcggg  | ttggcagctt  | 1539120 |
| ccttttctgt  | ttccgccttg  | gccagtttcc  | attcgcgata  | atcggaatag  | ttaccgggga  | 1539180 |
| agtcacgtat  | atcgccctgc  | cctttgaaaa  | ccagcaa     | atctacaacc  | ttatccatga  | 1539240 |
| aatagcggtc  | gtggctgaca  | acaatcacgc  | agcctTTtaaa | gttttgcagg  | tattcttcca  | 1539300 |
| gtacctgaag  | cgtcacgata  | tccaaatcat  | tggtaggctc  | gtccagcaca  | aggaagttgg  | 1539360 |
| gattcttcat  | cagtaccgta  | cacagataca  | accggcgcg   | ttctcctcca  | ctcaacttat  | 1539420 |
| acacatagct  | gtgctgtgtt  | tcgggtgtaa  | acaagaaatg  | ctgcaagaac  | tgcaagcg    | 1539480 |
| tcagtcgctt  | gccgttgccc  | agctctatca  | cttcagcaat  | gtccgttatc  | acgtctatca  | 1539540 |
| ccttcatctg  | ctcgtcgaac  | ttcaatccgt  | cctgcgaata  | ataccgaaa   | cgtaccgttt  | 1539600 |
| cgccgataatc | gagtgtaccg  | ctgtccggtt  | tctccagctc  | catcagaatc  | ttgatgaacg  | 1539660 |
| tagactttcc  | ggtaccgttg  | tttccaacga  | taccattttt  | ctcgtaacgg  | gcaaagatat  | 1539720 |
| acgagaagtc  | atccagaatc  | tttatatcgc  | cgaagctctt  | gcacagatgg  | tcggcctcga  | 1539780 |
| aaatctttga  | accgatgtac  | gatgccttca  | cgtcgagctt  | cacgttcgta  | tcatacgtac  | 1539840 |
| gctgcttggc  | aaccttctcc  | agttcgtaga  | aagcctcttc  | acgatagcgt  | gccttgtgac  | 1539900 |
| cacgtgcctg  | aggcatacgg  | cgcattccatt | ccagctctgt  | acgatacaga  | ttattggcac  | 1539960 |
| gcgcaatttc  | cgcattggta  | gcacgatac   | gctcctgacg  | cttctccaag  | tagtaactgt  | 1540020 |
| aatttccctt  | atacgaataa  | atctgcttgt  | tgtctatttc  | gatgatttcc  | gagcagacac  | 1540080 |
| gatcgagaaa  | ataacggtcg  | tgcgtcacca  | tcagcaagct  | cagattggca  | cggttcaggt  | 1540140 |
| attcttccag  | ccattcggtc  | atatcgagat  | ccaagtgggt  | ggtaggctcg  | tccagaatca  | 1540200 |
| gcaggtcagg  | ttcggtaatc  | aagacattcg  | ccagtgccac  | acgcttgagc  | tgctcctccag | 1540260 |
| aaagatgctt  | gattttctga  | tcgaaatgac  | ggattttttaa | ctgtgaaaga  | atctgcttgg  | 1540320 |
| cacggcgctc  | ataatccac   | gccttttctg  | gttccatgcg  | tgccaacaag  | tcctccagtc  | 1540380 |
| ccggattccc  | gggagtttcc  | atgcatttct  | cgtatttctt  | tatcagctcg  | acggtactgt  | 1540440 |
| ttccgtgatg  | gaaacaagcc  | tccagcaccg  | tcagctcttc  | cggataagaa  | gggctctgtt  | 1540500 |
| ccagataaacc | taccgcagg   | tcacggcgga  | atgtaatggt  | accttcatcg  | tagccttcc   | 1540560 |
| ttccggcaag  | tatattcagc  | aacgttggtt  | ttccgcttcc  | gttcttggct  | atcagcccga  | 1540620 |
| cgcgctgtcc  | ctgcgctatg  | ccgaacgata  | tttcatggaa  | caacaacagg  | tcgccaatg   | 1540680 |
| atTTTgtcag  | gttttcgact  | tgtaaataatg | gaatcattct  | TTTTtgctat  | aaattaattc  | 1540740 |
| tatgtaatca  | ggctcagagc  | acagcttcca  | cttccgaacg  | gatacgtctg  | tactcggctt  | 1540800 |
| tcaaattgca  | aggctgaccg  | tttctcacct  | tatcccatat  | cagtcgggca  | ggattaacca  | 1540860 |
| tcacatttgt  | ctgaccgaaa  | cgcaaggcag  | gatatttctt  | ctctccgtct  | atcactgtca  | 1540920 |
| cccagtcctat | cccgtccatt  | tcatttacga  | gaatcgtctc  | gaaagcaaat  | ccgaaacttt  | 1540980 |
| cccattgccga | ccgctgggtc  | ttgttgaaac  | gtccgctgtc  | catcactttc  | tgtatgcttt  | 1541040 |
| ctatatcggc  | ttcactcgaa  | gtaaaatctt  | tggtgagctg  | cttcttgatg  | gtagataccg  | 1541100 |

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| tccacgattt  | ttctcctgca  | ccacgtacat | tcagcgaagc  | tataatctgc  | tcggctacct  | 1541220 |
| ttgcactttc  | gcccttggtt  | acggtaaacg | agcattctac  | cgaaatacta  | tccttgcccc  | 1541280 |
| tcaccagat   | atgagaggtg  | taccatacgc | cgttttcctg  | aaagctctcg  | gtcaggtacg  | 1541340 |
| cacagttcca  | cttgcccacc  | ttgaccagct | ttactccacg  | actgtgctgc  | atttcatact  | 1541400 |
| cgatgcactc  | ctgtgcataa  | ttccgattct | cgccctgata  | ggccgaaata  | cggaagtttc  | 1541460 |
| ccgtccactt  | gtcgggattg  | taaaacaaga | aactgtcttc  | tgtgtcctca  | aactcacgcc  | 1541520 |
| agtcggacgg  | atattccagt  | gagaaccacg | aaccggggga  | tatatatttc  | atcataacca  | 1541580 |
| tgttgttttt  | agggaaatcta | ttctaagact | tacacacaat  | atctgaatcc  | gctattactt  | 1541640 |
| gaccggaaga  | atttctatcc  | agtaatcgtc | cggtatcgta  | atgaaataaa  | gtcccatagc  | 1541700 |
| ttcatttttcg | aaacatacgc  | aaccattttc | cttgtggaac  | ttgctggactt | catcgtaatc  | 1541760 |
| tccctctaca  | cgtaagcaga  | gatgactttc | gttttcgccc  | agttcgtatg  | cttctgtatg  | 1541820 |
| gtcacgcagc  | catgtcagtt  | ccagcaaaaa | gtttgaatgg  | tcgtctgcca  | tgtatactag  | 1541880 |
| aatgaacgaa  | ccgtcgcttg  | cttccttgcg | gtgtgattcg  | tgcagcccca  | gtgccgtttc  | 1541940 |
| ataaaaacttg | atactctttt  | ccagattagt | cacattgata  | ttaaaatgat  | cgaatcgccc  | 1542000 |
| ttttacttgc  | ataatacgtt  | atttttattg | aattctaaac  | ttatcttctg  | tcctctcgag  | 1542060 |
| cgtattttcag | gcatcactgc  | accgtattcc | cgtgcaatcg  | gagcgaatgc  | agcagcctta  | 1542120 |
| tcgtatgcct  | catcgaaatg  | catcggtaca | aagatagaag  | tttttatctg  | ttctacaaat  | 1542180 |
| tgacgagggc  | cacgcatata  | ctccctcccc | agacgcggat  | cgacaggaaa  | catcaccaca  | 1542240 |
| tccatgctgc  | gggtatagcg  | agtaatgtca | gtcagctcgc  | aaaggaagtg  | cctttcgtag  | 1542300 |
| cctctccatt  | cagcttcac   | gctttcgtcc | atccaatgcc  | agttattcaa  | atcacctgca  | 1542360 |
| tgaagatttt  | tctttccttc  | aacttcaata | aggaatgaca  | cccctatgtc  | ggtcgatccg  | 1542420 |
| aaagcatgta  | cctgcaagag  | ttcatcggca | taatgttctc  | ctttaccag   | ccataccgct  | 1542480 |
| tcttccgggt  | ttgccagctt  | ctgctccaaa | atatcccgcg  | agaaaatgta  | taaaacatcg  | 1542540 |
| gcatgttctg  | aacgaaacgt  | gagcacgttt | ttattgaaat  | gatcggcatg  | agaatggctg  | 1542600 |
| gaaagcacat  | acaacttgcc  | ggagcgtttc | agcaactcat  | cgtgtacaat  | gccgcttggt  | 1542660 |
| gccgagaccg  | aatcttcaaa  | gtaatccata | ataatggtga  | agccctcacc  | caacaaggca  | 1542720 |
| aatccactgt  | gatacaaaata | aatcagttcc | attgttttct  | ttttggttta  | tttcccagata | 1542780 |
| ggctgtatat  | aggcacgagt  | agctttgtct | atctcaagaa  | acatgtagtt  | cactttaccg  | 1542840 |
| gaatgtatca  | gttcctcatt  | ttccttataa | atgcgagtcg  | catattcctt  | cgacttttcg  | 1542900 |
| aacatcagcc  | gtgaaacact  | ttcctgcgac | ttgcctgcaa  | ccgtagaatc  | cagtttttct  | 1542960 |
| tcggggaaga  | aatcatccag  | attaacatcg | ccaatcattg  | aagtttccag  | aaaatgcata  | 1543020 |
| ttccgggtgca | tgcggtcggt  | ataatatcct | acaaacatgt  | gtccggggat  | acgtaccaga  | 1543080 |
| ataggattga  | tattgatagc  | tttcagcaac | gaagcaaaac  | gtacactgcc  | gtccacacaa  | 1543140 |
| ttaatctgag  | ccgactgcaa  | agcatcatcg | aacgtacgaa  | cacgctgggt  | aaacaccaca  | 1543200 |
| ttcgatgaca  | agctactggt  | actgatggaa | ctgtatttga  | agttcctttt  | ctgcaaaaaca | 1543260 |
| taccacaaaag | catacacctg  | cttgtcgaca | atgtcttcac  | ttttaccctg  | ataccccag   | 1543320 |
| aaacgattta  | caatgcgtgt  | attcaatgct | tcacgcaata  | tctgggtctat | cttcggatta  | 1543380 |
| tcctcattga  | cataggctgc  | aaaaaattcg | ccggtatcgt  | gaaatttcag  | gcgactgtcg  | 1543440 |
| atatacccca  | gcagacattc  | gttgatactg | cgtacagaaa  | aagtatgtac  | actgctgcc   | 1543500 |
| agttcacgct  | tgttcaactc  | tacatgaatg | gatacactga  | ccggaacagc  | ctgctcattt  | 1543560 |
| tcccgaagg   | cgttatagtc  | ccatacaata | tcggggaaaa  | ctgtatatcc  | ttttcccgtc  | 1543620 |
| tcgggcaaga  | taaattctga  | cacggagcgc | gaaaagaaag  | gtgtttcatc  | tacctctatt  | 1543680 |
| cttaatttgc  | tgttattgta  | agtactcttt | atccgtacgg  | cgatacatga  | tttcgaatta  | 1543740 |
| cctatataac  | cggtatcggc  | aggaacgatc | aaattggcat  | cggtagtagc  | cgtcgaaaga  | 1543800 |
| atagttaccg  | gaaagatatt  | tcctccagct | tcgtcgggtga | tttcaaaatc  | ggaacggaac  | 1543860 |
| ggttcatacc  | gatatatata  | aataaccgct | atcaatatga  | caacgatccc  | cagcacacat  | 1543920 |
| gtagaccatt  | tccacttatt  | gccaatacga | gaaaagaatt  | tcaatccatt  | catatcattt  | 1543980 |

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| atgtaa     | atccggttatct | aaccgcaata | cattcaattt | ctaccaatgc | acctttcggc  | 1544100 |
| aatgccttta | cagctacagc   | cgaacgagca | gggaaatcac | cttcaaagta | ggttgcatat  | 1544160 |
| acaccattca | tttctgcgaa   | caatgacata | tcggccagaa | acacagtgg  | ctttacaata  | 1544220 |
| ttggcagtag | tcaaacctgc   | ttcagccaga | atattcttaa | tgttttcgaa | cgattgtgct  | 1544280 |
| gtctgttctg | ctacccctcc   | aggagcaa   | tcaccggttg | ccgatcaac  | aggcaactgt  | 1544340 |
| cccgacaaga | ataccatacc   | atttgcttcg | atagcctggc | tatacggacc | gatagcagca  | 1544400 |
| ggagcctttt | ctgtaaaa     | aactttcttc | atgttgtttt | gtttagtttt | tagaattaaa  | 1544460 |
| aatccaagag | ttaaattcca   | acgctaaa   | aacacttttc | tcgcaa     | agggaaaaaa  | 1544520 |
| gaaaaaaaa  | ggcaagttaa   | ttggataata | tcagaaaa   | gcttactttt | gtcaatgtaa  | 1544580 |
| aaactccttt | tttacttatt   | acatcaaata | acaaaaca   | cattaaactg | taattactga  | 1544640 |
| taagcgtaaa | tgaatacagg   | ctattcctta | gctttacatg | cctgtgcgta | atcttgtg    | 1544700 |
| ctacgctttc | atatagttac   | taaactcatt | acactatact | tatgtataac | atcattcaac  | 1544760 |
| taaatgacaa | agatttgact   | gaattgcagc | agattgccaa | agagttggga | ctgaaaaaaaa | 1544820 |
| ccagtacgtt | acgtaaagaa   | gaactgggat | accgcattct | ggacgaacaa | gcaatcgctc  | 1544880 |
| gtgctacca  | gaaagcggca   | gctgccaa   | caaacgaaga | acgcaaagaa | gggcaacctc  | 1544940 |
| gcaaacgctc | acgcatcagc   | gtgaaaaa   | aaggtgacaa | ggtttact   | gcaaccaagg  | 1545000 |
| acaaagcaca | aaaactggaa   | gccaatactc | ctccactacc | tgcacccgct | ccacttttca  | 1545060 |
| aagatgagaa | cgttcaggtt   | tcagaaaatc | aggcagaa   | tgttgccact | ccagcaagcg  | 1545120 |
| aagataaacc | taagtctaaa   | cgtggacgga | aacctgga   | caaaaataaa | acgacactgg  | 1545180 |
| aaaaagagca | acaatcaa     | caagaaaata | cagaaaaacc | aatccaagaa | aaagtagttc  | 1545240 |
| cagcaccaat | agacactgat   | gatatgga   | tcccggaa   | ggatcttaca | agtggcgacg  | 1545300 |
| actttattcc | aatcgaggat   | cttccatctg | aaaaaatcga | gcttccgaca | gagttactgg  | 1545360 |
| gaaaatttga | agctaccaa    | atggaagctg | ctccgcaa   | agcaccggca | gagaaacctg  | 1545420 |
| aaaaggataa | taagccgaat   | aacaataaat | accagcagcg | ccagcaacgc | tataataaca  | 1545480 |
| acaaccgtaa | caataaccag   | aataacggac | gccagcaaca | ggctcaaa   | aacaatcaca  | 1545540 |
| tcgttcccca | aggcactaca   | gccaaccttc | cagctccaca | gccggttgta | gcagagcctg  | 1545600 |
| tccagcccaa | accggtagaa   | aaaccgtacg | aattcgatga | tattctggca | ggtacaggag  | 1545660 |
| ttttggaa   | tatgcccgc    | ggttacggtt | tccttcgctc | atctgattat | aattatcttt  | 1545720 |
| cctcaccaga | cgatatttat   | gtttctcagt | cgcaaattaa | attattcgga | ttgaaaacag  | 1545780 |
| gcgacgtagt | agaaggtaca   | atccgtcctc | ccaaggaagg | tgagaaatat | ttcccgtgg   | 1545840 |
| taaaagtttc | gaaaattaac   | ggactggatc | ccggactggt | acgtgaccgt | gtgccgttcg  | 1545900 |
| accatctcac | tccgttggtc   | cctgatgaaa | aattcaaact | ctgcaaagga | tacgacgaca  | 1545960 |
| acttgtcggc | acgtgtagtc   | gatctcttcg | ctcctatcgg | taaaggtcag | cgtgcattga  | 1546020 |
| ttgtggcaca | gcctaaaaca   | ggtaagacta | tcttgatgaa | agatattgcc | aatgccattg  | 1546080 |
| cagccaatca | tccggaagta   | tatatgatta | tgttgcttat | cgatgaacgt | ccggaagaag  | 1546140 |
| ttaccgacat | ggctcgcagc   | gtaaatgctg | aggtcatcgc | ttcaactttc | gacgaaccgg  | 1546200 |
| cagaacgcca | cgtaaagata   | gcaggtattg | tactggagaa | agcaaaacgc | atggtagagt  | 1546260 |
| gtggacatga | tgtagtattc   | ttcctcgact | ctatcactcg | tctggctcgt | gcatacaata  | 1546320 |
| cagtatcacc | agcatcgggt   | aaagtgcctt | cgggtggtgt | cgatgcta   | gcactgcaca  | 1546380 |
| aaccaa     | acggttcggt   | gctgcacgta | acattgaagg | tggaggttca | ctgactatca  | 1546440 |
| tcgctactgc | tctgattgat   | acgggttcta | agatggatga | ggtaatcttc | gaagaattca  | 1546500 |
| agggtaccgg | taacatggaa   | ctccagctgg | atcgtaacct | gagcaacaag | cgaatcttcc  | 1546560 |
| cggctgtcaa | cattactgca   | tcaagcacac | gccgagacga | tctgttgctt | gacaagacaa  | 1546620 |
| cattggaccg | catgtggatc   | ttacgcaagt | atcttgccga | catgaatccg | atagaagcta  | 1546680 |
| tggacttcgt | aaaagaccgt   | ctggaaaaga | caaagacaa  | cgaagaattc | ctgatgagta  | 1546740 |
| tgaactctta | acaaggagtt   | gctatataac | atcttgccct | gcaagcattt | tccaaagtgg  | 1546800 |
| gatacttgca | gggcatttta   | ttaatcatcg | atatcgataa | cgcgatattt | attgtcaaag  | 1546860 |

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| gtaatttccc  | agtgattgga  | aagttttatc  | tcatactctt  | ttcccttacg  | ctctatctga  | 1546920 |
| agaatttttt  | cgtaggata   | attctctttt  | acatacgacc  | ggatagcctt  | tggaataatg  | 1546980 |
| gcagcagggg  | cttccgactt  | cggacatttt  | acttctgtcc  | agtcacccga  | acgatcgaat  | 1547040 |
| tccaattttt  | ctccattcgt  | aaaaatgaca  | tcataatttt  | tataaaacac  | ccccgactcc  | 1547100 |
| atttttagcca | gagcaacttt  | atgcccctta  | aaataagttg  | ttataagtgt  | ctgagccttt  | 1547160 |
| gtaggcaact  | gccctatctg  | aataggtttg  | tcattgtctg  | cccatagcat  | tgtctgcact  | 1547220 |
| gaaaaaaaaa  | ataccagcaa  | aagaatcagc  | tttttcatat  | ttcactattt  | tattaattat  | 1547280 |
| tattcggatt  | tccatagtac  | aaagatgcag  | aacgaatctg  | aaaagaaaaa  | gaaatcggtg  | 1547340 |
| tagaaaaatg  | tcaatctact  | cctgccgggt  | gattgtaaag  | acatgcctgc  | cttctgtata  | 1547400 |
| ggcatagatt  | atctgtaaac  | gattcgactt  | acagatagaa  | tcaaccaaag  | ctagtccaag  | 1547460 |
| cccagtagaa  | ccttcttttt  | tctgcccttg  | ataaaaacgt  | tcgaatatac  | gttcgctatc  | 1547520 |
| cagtgccttg  | ttccccttat  | tgctaattct  | aaataagctg  | ggagtgattc  | tgatatgaat  | 1547580 |
| gaaaccgcca  | tccatgttat  | ggacaaaggc  | attcttcaac  | aaattagtca  | ccaagacgga  | 1547640 |
| gaccaatgaa  | tcattcatgt  | ctacacagaa  | cttaccacca  | tcttctattg  | taactgaaat  | 1547700 |
| attccggtag  | gcatacactt  | ctttataatc  | ctccagataa  | cgactaagaa  | cttcgttcag  | 1547760 |
| acagaccgga  | tgggtatcgg  | caaactgacc  | atthttcaatt | ttacacaaca  | acagcagaga  | 1547820 |
| acgattcatc  | cgggtcagat  | tctctaattg  | ctgatgagtc  | ttcatcaatt  | cattaagctg  | 1547880 |
| ctgttccgct  | agatttctcat | cttcataaag  | catttcaaga  | cggttacggc  | aaatagccaa  | 1547940 |
| aggagtctgc  | atctcgtgag  | aagcatttcc  | gataaacaac  | ttctgctggt  | cgaacaattt  | 1548000 |
| ctcactacgc  | tccgcataag  | ctatggctgc  | cgtattcaac  | cggcgaaact  | ctgtaatttg  | 1548060 |
| agttgtattt  | tccagtggcg  | tattcttatt  | ccccaaactga | tagccatcca  | gccattttta  | 1548120 |
| caacgtatac  | aaaggcttca  | tattctttacg | gaaaacccat  | acgttgataa  | gcaatataat  | 1548180 |
| cagcaacaac  | aaaatataca  | ggaagacaat  | ccaccagaaa  | atgggtcctta | acaaatcaag  | 1548240 |
| tttctcaatg  | gtaggcgtat  | agacaaccag  | ttccatatac  | cgatcgctcg  | ctgttcggaa  | 1548300 |
| aattgtcatc  | aacacacgag  | ccggttccgt  | ttcatccttt  | tcggtgataa  | acaccatttc  | 1548360 |
| atctcgataa  | gttattttgag | gatgtgccat  | ggcgtatgat  | tactgacct   | catataaata  | 1548420 |
| atactgatta  | ttcgatccgt  | tactggaagc  | aggcatatcc  | tctcccgaca  | aagctcgaat  | 1548480 |
| aataagtcct  | tcggaatagt  | cctccagtgt  | atcatctact  | tcatcgttta  | cttcatcgac  | 1548540 |
| tattttcata  | taaaaaaatc  | ctgcccataa  | ggaaagaacc  | actatcaaag  | ccaatgatata | 1548600 |
| acgccataaa  | actaaatgga  | agagtttcat  | tctactacaa  | atthtatatcc | gaaaccataa  | 1548660 |
| accgatttca  | gctccggagt  | agccccggca  | tccttttaatc | gttttcgcag  | attctttatc  | 1548720 |
| tgtgcataga  | taaaatcaaa  | attatcgacc  | tggtcgatat  | gatctcccca  | aacggattca  | 1548780 |
| gccaatgtat  | ttttattttac | caaccgtcct  | ggacgtgaca  | taaaataatt  | taaaatatca  | 1548840 |
| tattctttcc  | ggttcagctc  | tatctcctta  | ccttgaacca  | gcacacgaaa  | ctggtcggga  | 1548900 |
| aataacttcta | tgtttccaac  | ctgcaatttc  | cgttcgccgt  | cacgaagggt  | acggcggaac  | 1548960 |
| agactcttga  | tacgggcatg  | cagttcagcc  | agatgaaaag  | gcttttgaag  | ataatcatcc  | 1549020 |
| gcccccaaat  | cgagaccggt  | aaccttatct  | tccaaagaat  | cttttgccga  | taggataatt  | 1549080 |
| acattcgtag  | gttttcccaa  | tgcatggagt  | tcttcagca   | gatcgagtcc  | gttaccgtct  | 1549140 |
| ggaagcataa  | tatccagcaa  | aatacagtca  | tagtcataat  | cttctattht  | ctgtaacgcc  | 1549200 |
| gtacgataat  | ccggcgcttg  | agaaactaca  | taacgttctt  | tctccaaaga  | agccgttgta  | 1549260 |
| atttctctta  | aatccttatc  | gtcttctact  | atcaatatct  | tcataatcct  | atthttttatg | 1549320 |
| gcaaaaaata  | gattttcatg  | gagatatgca  | aataagtgct  | ctthttattaa | cctacaggca  | 1549380 |
| aaatgtatat  | atataagaac  | atgtccgaaa  | tacagacctg  | ccggtatatt  | ttactgaact  | 1549440 |
| gccacttcac  | cagtataaga  | caattgcttg  | gcatcatctg  | gcgtcgcctc  | gttcatatta  | 1549500 |
| ttaaaagtca  | gaatatgctc  | tccgtaatag  | gcctcattaa  | ccttcaactt  | aataccttht  | 1549560 |
| gcctcatcaa  | gtggaagtgt  | attcaaatta  | tagcacacaa  | ctcccgcgtt  | cggattgaaa  | 1549620 |
| acattcaacg  | tatctccata  | agtattgtag  | cgatactcca  | aatagatata  | gccgtcatcg  | 1549680 |
| gcaatatctt  | gttcaccaga  | ctthttttacc | agactgacac  | gatgtthtatg | ttgcgaagca  | 1549740 |

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| gccggatgat  | tggcatactc  | gtcttcattt  | tcaggagtca  | gatcttctac  | agcttttagtc | 1549860 |
| agaaaaggat  | aaatctgttc  | cgccttgata  | cctacatcat  | aaccataata  | attatcaaat  | 1549920 |
| aaaggattaa  | agacaagaaa  | agcacgctgc  | ccctctacca  | gagaataatt  | ccaaacgccca | 1549980 |
| tttgctgccg  | gatacattgt  | tccccacgta  | tcgccagtaa  | aactatatac  | gccctctcct  | 1550040 |
| tctacacgaa  | cggttaccca  | atctgtagca  | atatcgccaa  | cagaataacc  | atcatcgtcg  | 1550100 |
| ctacaagact  | gtaatgcatt  | gaccaacgca  | agtacagcaa  | ttatccagta  | tttttttaaat | 1550160 |
| atcttcataa  | aatagaattt  | tttctattta  | ttaaagtaaa  | aaaacgtcca  | aatactgcat  | 1550220 |
| gcaatgaaaa  | aataaaagag  | gctatgatta  | ctcatagcct  | ctctgtataa  | aataaaggat  | 1550280 |
| taatatcaat  | tattcattga  | accagcgtac  | gtagcagaag  | tcctgacgat  | aaggcaattc  | 1550340 |
| aggattcttc  | gggaacatac  | ggtaagcaac  | cttgaaactt  | ccagcattag  | acaagctgtg  | 1550400 |
| agttacctgg  | aatgtataca  | agtcaccctc  | acgcttaacc  | agttccatag  | gagcaacaca  | 1550460 |
| gtaaacatat  | tctttgcctt  | ctacatttgt  | ataagttact  | accatttcaa  | tgccgatagc  | 1550520 |
| atcatccagt  | cccttttcgt  | caacaacaca  | agtgatagta  | taatccttac  | cactttctac  | 1550580 |
| attgccctga  | cgcagttcct  | cacacttatc  | cattgatata  | atctggatag  | aatcccattt  | 1550640 |
| tgacgcaact  | tcttctttcc  | attttgcgag  | ttctttgacc  | ttagcaaaat  | catttttcagc | 1550700 |
| caaagcatgg  | aaacgttttag | cctcttttagt | atagaatttg  | ctatagtaat  | catccaactg  | 1550760 |
| acgcttcatt  | gtataatgag  | gagcaatctg  | agcaatagaa  | ttcttgattg  | tcttaaccca  | 1550820 |
| tccttcagaa  | tatcctttct  | tgttacgagc  | ataatacaac  | ggcagaatct  | ctgtttcaag  | 1550880 |
| aatactataa  | atagttgcag  | catccagttt  | atcctgatat  | tcctgattct  | ggtaagtacg  | 1550940 |
| tttttctgtc  | agtgcccaac  | cagcaccttc  | acgatagcct  | tccagccacc  | atccatcaag  | 1551000 |
| gacagagaa   | tttacaacac  | cgttcaccaa  | agctttttct  | cctgatgtac  | cagatgcttc  | 1551060 |
| caaaggacgt  | gtcggagtat  | tcacccagat  | atcaacaccc  | gaaacaagac  | gacgtgccaa  | 1551120 |
| cttcatatca  | taatttttca  | ggaagataat  | cttacccaag  | aattcaggac  | gctgtgaaat  | 1551180 |
| ttctacaatt  | ttcttaatac  | atccctgtcc  | tgctccatca  | tgcggtgtg   | ctttacctgc  | 1551240 |
| aaacaggaat  | tgtaccggat  | aatcaggatt  | attaacaatc  | ttagacaagc  | ggtccaaatc  | 1551300 |
| agtaaacagc  | aaatgtgcac  | gcttataagt  | agcaaaacga  | cgagcaaatac | caatcagcaa  | 1551360 |
| tgcatctcga  | tttaattctt  | ccatcaaaga  | tactacacga  | gaaggatctc  | cctgggttctt | 1551420 |
| caaccatgta  | tcgcggaatt  | gattacgaat  | atagctaatac | aattttattct | ttaacgccat  | 1551480 |
| acgagtcttc  | cagatctctt  | catcgggtac  | attgtagatc  | ttttcccaga  | tttgaggatt  | 1551540 |
| tgactggtca  | ttcaagaaat  | tcttgtcaaa  | atatttagca  | tacaactgtt  | tccattcaga  | 1551600 |
| agcacaccaa  | gtcgggaagt  | gaacaccgtt  | agttacataa  | cctacatggt  | tttcttcagg  | 1551660 |
| gaaataacct  | ttccagatac  | cagagaacat  | ttcctgagat  | acctttccgt  | gcaaccagct  | 1551720 |
| tacaccatta  | acttctgac   | aagtattaca  | tgcgaaagta  | gacatgcaga  | aacgttcggt  | 1551780 |
| atggtctccc  | ggattgatac  | ggcctaaatc  | catcaaatac  | tcccaagaaa  | taccatacag  | 1551840 |
| ctgcggataa  | ccgcccatac  | attttccaaa  | caagccttca  | tcgaaatagt  | catgacctgc  | 1551900 |
| cggaaaccgga | gtatgaacag  | tatacagtga  | agatgcacga  | actacttcca  | aagcttcac   | 1551960 |
| gaatgacatt  | ccacttttcta | cataatcgca  | caaacgctga  | acgttacaca  | aggcagcatg  | 1552020 |
| accctcattg  | cagtgatata  | cgtctttctt  | gataccagct  | ttcttcaaca  | acaatacacc  | 1552080 |
| accgataccc  | aacaggattt  | cctgtttcaa  | acggttttcc  | cagtcgccac  | catacagctg  | 1552140 |
| ataagtaata  | ggacggtcaa  | attcactgtt  | catttctattg | tctgtatcca  | gcaaatacaa  | 1552200 |
| aggaacacga  | cctacattta  | ctctccatat  | atacgcatga  | acatagtaat  | tcagataagg  | 1552260 |
| tacgtccagt  | accattggct  | ggccattttc  | atcagttaca  | cgttccaaag  | gcaggctgcc  | 1552320 |
| gaagtctctg  | gcttcatagt  | tggcaatctg  | ctgtccgtcc  | attgacaggc  | tctgagtga   | 1552380 |
| atatccataa  | cgatacagga  | atccaatacc  | acacatatcg  | acattactgt  | ctgaagcctc  | 1552440 |
| tttcaaatag  | tcacctgcca  | aaatacccaa  | accgccggaa  | tagattttca  | agacgtgagt  | 1552500 |
| caaaccatat  | tccatacaga  | aataggcaac  | agaaggacga  | gaagaatcag  | gcttctcatt  | 1552560 |
| catgtatgct  | ttgaacttat  | tataaatatt  | attgattttt  | gtcaggacct  | catgatttgt  | 1552620 |

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|            |             |            |             |            |             |         |
|------------|-------------|------------|-------------|------------|-------------|---------|
| agacaaagct | tccagctttt  | cgtaactcag | acgttccagc  | aaagcaaccg | gattctgacc  | 1552680 |
| taccacttgc | cataattcag  | gatccagttc | cttaaaccatc | tcagttgcct | cattattcca  | 1552740 |
| tgcccaccag | atattacgag  | ccatttcccc | taacatcttc  | aaagattcgg | gaatacgaga  | 1552800 |
| ttttacattt | acttctctcc  | acactggagc | gtagcataa   | ttcgttttga | ctttcatatt  | 1552860 |
| gcttaaaatt | agtataagaa  | ttcaagttat | ttcaaagaaa  | ggcgctttgc | agcattgcgc  | 1552920 |
| aacgcaacgt | cataggcctc  | ataatagtac | tgtataaagt  | gtttccacag | tgctttttca  | 1552980 |
| gcaatatttg | ccgcattctt  | acgtatctta | ttaatttcag  | tatcagtcaa | tgtcgaaaat  | 1553040 |
| tcagaaatcg | tatcttttat  | tacatctgct | acttccgagt  | agttatagtc | tgtacggtga  | 1553100 |
| attactttca | cgccatcctt  | caaggtcgaa | ctgcctcctt  | tcaaagaatt | aaccacacaac | 1553160 |
| ccgaaaccag | ccaaatcagt  | agttattgta | ggaaccttga  | aagctatgct | ttccaacggg  | 1553220 |
| gtatatcccc | aaggttcata  | atacgaagga | taaacgctca  | aatccattcc | aatcagcaag  | 1553280 |
| tcataataca | actccttcaa  | gatgccatct | tttccatcca  | aataacaagg | gacaaagaca  | 1553340 |
| accttcactt | tggtatctgc  | tccgttagac | atattcagat  | acttcagcat | atcaagaact  | 1553400 |
| tggtcgtgac | tcatgttatg  | tagccaatga | gttataaacg  | gacattccag | cggagtatca  | 1553460 |
| tagtccttgt | cactatccag  | acgtcacgc  | aaatcttcac  | gagcttctcc | taccatcct   | 1553520 |
| ggcacataga | taaacgctag  | tacctccttt | ttcaggtttt  | tgtcacgtgt | caagcggttc  | 1553580 |
| aaggcctcca | gatatacatt  | tattccctta | tttttaaact  | cataacgtcc | gcttgtacca  | 1553640 |
| ataatcatcg | tatcgtccgt  | aagatggata | cccatcagct  | tggtggccat | gttcaacaaa  | 1553700 |
| gtttcacggg | catgtttacg  | ctttttagcg | aacaacgtac  | ctttagggac | aaaatcgtct  | 1553760 |
| tcaaagccat | tcatcaacac  | aacatctgcc | gacttatcca  | acagttcact | acattcgtga  | 1553820 |
| ttagtaattt | cacttactgt  | agtaaaacaa | tccacatgat  | gtgcagtctg | cttttctata  | 1553880 |
| gagtgttttg | actccatatt  | aagttcctgc | gccatctggt  | cgccattata | agcaaataaa  | 1553940 |
| taatcgtaaa | gaggttttatt | atttccggca | atcgaacgtc  | cgatagaagt | agcgtgagta  | 1554000 |
| gtaaagattg | ttgcaatctc  | aggaacgtgt | ttctgtatat  | ataaggctcc | caatccgggtc | 1554060 |
| atccattcat | gtgcctgata  | aatgacttta | tcagaggctt  | gtaaattata | cctataataa  | 1554120 |
| ctttctacaa | cctttcctgc  | tgcataagag | aacatggacg  | cctcatcata | atcaccataa  | 1554180 |
| gcgtgaagag | aatctacttg  | atagtcaatc | catgcctgag  | tataaatatc | atTTTTTTgt  | 1554240 |
| tcgtagaacg | gagtaaaatc  | cactaaaata | gcaataggat  | gccccgggat | attccaccgt  | 1554300 |
| cctatacgta | tttttaatcc  | atctttttct | gtagcatggt  | tatgccatgc | cagcaacatt  | 1554360 |
| ttttcatctt | cggtaaataa  | aggattctct | ttccctagcc  | aaacatccgg | accaataaag  | 1554420 |
| aaaatccggt | caggaaatac  | attctgcagg | gttttagccc  | ttgtagatag | tacagtataa  | 1554480 |
| atacccccta | ccttattgca  | cacctcccaa | ctcgattcaa  | aaatgtaatc | aggtgttaat  | 1554540 |
| agctgtttca | tcatcatctt  | taatattttc | taaatcaggc  | acgaagttac | aaaaaacatt  | 1554600 |
| taattaggcg | aagaaataaa  | agttttttat | tccattttca  | tatataacta | aagaaaaaag  | 1554660 |
| ccttgacttc | acagagtga   | gccaagactt | ttccgagaaa  | atatcaggaa | ttccgtctca  | 1554720 |
| aagggacctg | acatctgccc  | atagttatac | taattttttat | gcaagtgcag | aaccatcaa   | 1554780 |
| gaatgtagca | gccagagcaa  | caattgcata | caattctggg  | aatacagcca | aaatcaacgt  | 1554840 |
| attaccgaat | acattatgtc  | cttgtccgat | agctgcaata  | ccatttgctc | aaacctgtcc  | 1554900 |
| ctgacgaata | gccgagaaca  | aggcaaccag | tccaagcca   | ataccgaac  | caagaaccgc  | 1554960 |
| acaagcctga | atagctgaaa  | tttcaggagt | caacacgtta  | aaaatactct | ggaacataaa  | 1555020 |
| gtaacctgca | aagccataca  | atccctgagt | accggaagt   | gccgtcaata | ccaagaagtt  | 1555080 |
| accaaatgca | ctatcgtttt  | tcttcaaagc | tccaattgaa  | gcattacctg | cgattgttac  | 1555140 |
| accataagca | ctaccaattc  | cagataaacc | aaccataatt  | gcgatgccaa | tgtaggcaat  | 1555200 |
| caaaagattc | atttccataa  | tttataagat | ttaattttta  | gtttttactt | tatattttat  | 1555260 |
| tagtttttga | aaggcttata  | ttcctttcct | ccacctctgt  | atcctgaatt | cttaaagaac  | 1555320 |
| tctacgaaag | tcagacgcat  | cgggtgtacc | atcgctccca  | acacattcat | aaacatattt  | 1555380 |
| atcgcatgtc | cgatcacaaa  | aatcaggacc | atcactatcg  | gaccggcaat | aacattgtca  | 1555440 |
| ggactcattc | ctacagccag  | actattaaat | acgcttgcca  | aaatacctcc | cgacagtcct  | 1555500 |



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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| aacgcgaaca  | gacggacata | cgacaagaca  | tcacccaaca  | gacctgtagc | catattataa  | 1555560 |
| ctatcccaca  | gccccagtcc | tatattttaca | aagacattct  | ttcccggact | attatacaag  | 1555620 |
| taagccatca  | agactccaat | ggcaaggaat  | accatatgaa  | cagttccacc | cataggcatg  | 1555680 |
| aaaccaggag  | cggcaaaagc | aatagccgta  | ctaaccagga  | taaaaagcca | tccgattgta  | 1555740 |
| gcgacagcat  | atttaaagcc | gaactggatt  | gtctgattta  | cagccttcag | tatcatgcca  | 1555800 |
| aagataatct  | gtacacctcc | taaaatcaga  | gaaagattga  | acatctgctg | gttatccagc  | 1555860 |
| gaaattgctt  | ctttcaagct | ctggaaaaga  | ggaagttgaa  | tatcatacag | attaaatcca  | 1555920 |
| aaacaagtac  | ccgtcaaaag | tccgcaaacc  | attgtagaag  | ctcccagcaa | ttgtaccagt  | 1555980 |
| gtaaggatag  | gtttcatcga | agctgatatg  | ttcttttgcta | caagccggta | aattgtaact  | 1556040 |
| gccagcaaca  | taaacaatcc | ataacccgag  | tcacccaaac  | acaatccgaa | gaacagcata  | 1556100 |
| aaaaatggag  | caaagaacgg | agtcaaatcc  | agttcattat  | acttcggaag | catatacaaa  | 1556160 |
| cgcattatcg  | gttcaaagag | tcggaagaat  | cctttgttat  | caagtaaaat | aggaacatca  | 1556220 |
| tcctccggag  | tgggatctgc | cacttcatag  | taaacctctt  | tggattccaa | gaaatccttt  | 1556280 |
| attttactaa  | cacagtcagc | aggagcccat  | ccttgcagca  | acatcaactt | gttatctgca  | 1556340 |
| agtgaatccg  | tattcagtag | gaccttcgaa  | aattcaatct  | gtgaatgcac | ttgtgcctga  | 1556400 |
| gcagcctgta  | aatcggaac  | aaccgatgca  | gccagatctt  | tcagacgtac | ctgtaatgct  | 1556460 |
| tcactttgct  | ttgcaagatt | ctctttccgc  | acatgtaagt  | cagacaaaga | gcaatccggc  | 1556520 |
| aattttgccg  | tttctacttc | caggtcaatg  | ttttcaccct  | tcggcatcac | tgtaacaaaa  | 1556580 |
| tacagttttg  | aaccgacatg | attaatttcc  | gttgcatcat  | acaaatcgac | ccattcctcc  | 1556640 |
| ttgaactggt  | tatcagagca | gatataaaaa  | tcaatctgat  | agccagcatc | acgaagccga  | 1556700 |
| gctacactct  | tcggatcgaa | atcgcccat   | ggctccagct  | gtacaagctc | tttttccaca  | 1556760 |
| gcctgaagct  | tatgagcgac | ttgctgtatc  | tgctgctgta  | catcttctat | ttcggcaaga  | 1556820 |
| gcctctgtac  | ctttgccggc | atcccctgta  | tgagcagctg  | caggctgaac | attcaagcct  | 1556880 |
| tgcaacatct  | tgattgctgc | tgtataccgt  | gccgataagc  | gaatactttc | ctgcaaagcc  | 1556940 |
| gcattttcag  | cactaccttg | tgccttggtg  | gccacatgaa  | ctactcccag | atctcgtatg  | 1557000 |
| ctcttcaaaa  | aggcatcata | ttctttgtga  | taaaccagaa  | acgtaagttt | cttcatctta  | 1557060 |
| gcaatcatal  | ttcagcctcc | tttctttttt  | cctgaatcga  | tttcagaatc | ttctgagaag  | 1557120 |
| atttcgacaa  | attctcttca | tcttccatga  | agcgcttgat  | ttttctcagc | gcacctctgat | 1557180 |
| aaccgggtat  | ctgaaccttc | tcaaaaagat  | tcactttctg  | cgtagtcttc | ttacgcgcac  | 1557240 |
| gttccagcaa  | gctcaatttg | gcgagcgtaa  | attctctttc  | aatagcagta | cgagccaaat  | 1557300 |
| cttttagcaa  | atggataccg | tctgcatacc  | atttaggact  | acaaaataaa | ctaaacggcc  | 1557360 |
| gaacatcgaa  | atccacatct | tccaaaagcg  | gtacacgtac  | tcctgcaatc | ttacgtacgc  | 1557420 |
| ccaaatgaac  | atccttcacc | ttgatcaatg  | aagcatcaaa  | ttcattccag | agtgcgaaca  | 1557480 |
| tggcttcata  | agcctgaatc | tgtttttcca  | ggcttccttc  | aagctccaca | gcctcagctc  | 1557540 |
| tgacgcgctt  | tacctccagt | cgcagcgcgc  | tttctttatt  | tttaataata | ggaagcgtac  | 1557600 |
| gcacacgaat  | cttgaactgc | ttctcaagct  | gttgcaacga  | agttttgtta | tattgaaatt  | 1557660 |
| taatagccat  | ttctctgtga | atttatgaat  | tacttttttc  | agtactgatc | aacaaattct  | 1557720 |
| ttcttgatat  | taactttctc | cggcttaaag  | tattttactga | acagtcccca | agtcacatca  | 1557780 |
| agcattttctg | ttgtattcag | gttaacatca  | atagccagca  | actgatttgc | ataatcctta  | 1557840 |
| gcaaaagcca  | atgcacgttc | gtcgtagtta  | gtcaaatcga  | aaccgttctc | catcttggtt  | 1557900 |
| tttgcggttg  | ctgcatcggc | gtacaaacgt  | acagcggcat  | tcacacactg | cggatgatct  | 1557960 |
| ttacgcgtct  | ttttaccgct | aaccaactgt  | ttcaaacgcg  | acaatgaacg | gaacgggtct  | 1558020 |
| acgattacct  | taccgatgtc | actatcacga  | cgtaagaaca  | actgtccttc | agtgatatat  | 1558080 |
| ccggtattat  | caggaactgc | atgtgtaata  | tcgccgcccg  | acaaggctcg | taccgcaata  | 1558140 |
| atcgtaatag  | aacctccggt | cgggaactgt  | acagcctttt  | catagatctt | cgccaaatct  | 1558200 |
| gaatacaacg  | aacctggcat | agaatccttc  | gacggaatct  | ggtccatagc | attcgacaca  | 1558260 |
| atagccagtg  | catcagcata | cgaagtcata  | tctgtcaaca  | ggaccagtag | cttctgatta  | 1558320 |
| tgctcaaccg  | caaagtattc | ggcagcggtc  | agtgccatat  | caggaatcag | caagcgctct  | 1558380 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| acaggaggat  | tttcggtagt  | atttacaaaa  | ctgatgatac | ggtccaatgc  | acctgcattc  | 1558440 |
| gagaacacat  | tcttgaaata  | caaataatca  | tcatttgtca | taccataacc  | acccaagata  | 1558500 |
| atcttatctg  | tttcggcacg  | caaggctaca  | ttagccatta | cctgggttgaa | gggctggtca  | 1558560 |
| ggatctgcaa  | aaaacggaat  | cttctgaccg  | gaaaccagcg | tattattcaa  | gtcgatacct  | 1558620 |
| gcaataccgg  | tagcaatcaa  | ctcagaaggt  | tgcttacgac | gtaccggatt  | aacagacggt  | 1558680 |
| ccgccaatct  | caacttcttt  | tccctcaatc  | tccggtcctc | cgtaaatagg  | atcaccgaaa  | 1558740 |
| gcattaaaga  | aacgacctgc  | cagttgctca  | ctcactttta | atgtaggcga  | tttaccagg   | 1558800 |
| aatacaacct  | cggcattagt  | aggaatacct  | tccgtaccct | caaacacctg  | aagtgttacc  | 1558860 |
| tcatcaccag  | caatctttac  | cacctgggca  | agtttgccgt | ttaccatagc  | cagttcatca  | 1558920 |
| tagcccactt  | ccgttgcttt  | caacgagcaa  | gtagctttcg | taatctgact  | aatcttagta  | 1558980 |
| tatatTTTTT  | gaaacgcttt  | tggttgccatt | ttcttccatt | aactttataa  | gtttacttca  | 1559040 |
| cacttctttc  | ggcaaccaat  | gtggcaagct  | gcttacggaa | atcttcatac  | tgctcagatt  | 1559100 |
| tatacttaga  | gtaattcatc  | tgcttacaaa  | tattaatcat | ctttttgaag  | taatccatta  | 1559160 |
| cctctacaaa  | agtttcgaac  | ttgaagtctg  | tgtgacaaat | atcgattatc  | atgttcacaa  | 1559220 |
| tatctcctg   | acgttccatc  | ggagtcacag  | aatccacttc | atcgaaggca  | tcttggttga  | 1559280 |
| ggataacaaa  | gtctatcaac  | tccgacttcc  | agaaaattac | atgatattct  | acaggtagac  | 1559340 |
| cgctcatctc  | caaaatgttg  | atctgttcag  | caatttcctt | accacgcagc  | aatctgggtc  | 1559400 |
| tcaattcatt  | tacttttctt  | gtccactgac  | tggtgatacg | ttctgaaata  | tatttttcaa  | 1559460 |
| attccggata  | ttccaaatat  | tttgaatacg  | aatcaatcgg | atttacagcc  | ggataacgct  | 1559520 |
| tgcggtctgc  | acgttcctgc  | tctaacgcat  | agaagcatct | tgcaaccttt  | ttggtgttct  | 1559580 |
| ccgttaccgg  | ttcctttaag  | ttaccacctg  | ccggagatac | ggtaccgata  | aaggtaatag  | 1559640 |
| aaccagttgc  | accattatac  | aatgtacga   | atccggcacg | tccatagaaa  | ttggatataa  | 1559700 |
| tagcagaaat  | atccataggg  | aaagcatccg  | gtcccggaa  | ttcctccata  | cggtagaca   | 1559760 |
| tttcacgcaa  | agcctgtgcc  | caacgggatg  | tagagtccgc | catcaacaag  | accttcaatc  | 1559820 |
| ccatggcacg  | ataaaaattcg | gccattgtca  | tagctgtata | cactgatgcc  | tcacgtgcag  | 1559880 |
| caaccggcat  | attcgaggta  | tttgccacga  | taatagtacg | ttccatcaac  | ttacggccag  | 1559940 |
| tatgcgggtc  | caccaattct  | ggaaattctg  | taaagatttc | cacgacctca  | tttgacggtt  | 1560000 |
| caccacaagc  | agctataata  | acaatatctg  | cttcagcctg | tttcgaaata  | gcatgctgca  | 1560060 |
| atacagtctt  | tcccgtacca  | aacggtccag  | gaataaatcc | tgtaccacct  | tccacgatag  | 1560120 |
| gattcatcgt  | atcgattaca  | cgtacacctg  | tttccagcaa | tttatacgga  | cgtgggtttt  | 1560180 |
| caacataatt  | cgctatagcc  | tttttcaccg  | gccatttttg | aatcatattg  | actttaatgt  | 1560240 |
| cttcgccttc  | cttatccgtc  | aagactacga  | ctgtatcttc | aattgtatag  | tcaccttcag  | 1560300 |
| cgacaattga  | ttttacttta  | tatgtaccac  | gaagttgaaa | aggcaccatg  | attttcaatg  | 1560360 |
| ggtgatgatt  | ctcttccact  | tcaccagccc  | atgctgaagg | tcctacctca  | tcaccgcctt  | 1560420 |
| ttacgattgg  | cttgaaatgc  | cacttttttt  | ctttatccag | cggataagta  | tattgtccac  | 1560480 |
| gtttcaggaa  | aactccttcc  | atcttgtcga  | ggtcattctg | caaaccatca  | taatttttctg | 1560540 |
| acagcatgcc  | cggcccaaaa  | gttacttcca  | acatgtgacc | tgtaaactca  | gcttcggctc  | 1560600 |
| ctaccttcag  | tccacgtgta  | ctttcaaaca  | cctgtacata | aacatttttg  | cccaccactt  | 1560660 |
| tgataacttc  | ggccatcaaa  | cggtcacctc  | cggtagtaat | ataacaaatt  | tcatttttgag | 1560720 |
| ccacagggcc  | gtcaacagtc  | agcgtaacca  | tattggcgat | aacgccccaa  | acagttcctt  | 1560780 |
| ttgttgccat  | tcttatcttt  | ttttattatt  | ttctaaattc | ttctggtatc  | tgaacctcat  | 1560840 |
| ttttcaagtt  | ttgaatcatc  | ttgcggaaaa  | gttcattacc | tttttcctta  | tccaatgaaa  | 1560900 |
| tccagcggtc  | aatcattttc  | agttgcatca  | aaaaaacgaa | gatacgttct  | actgtaaaat  | 1560960 |
| agtggaagaa  | agactcatct  | tccagccatt  | tccattttta | ggtatccacc  | tttttctctc  | 1561020 |
| gctctaccaa  | ttcctcaata  | tcggcaatac  | gctgcaacgc | ttcaaaatat  | tcaagagttt  | 1561080 |
| cgtttaaatcc | gaaatcacgt  | gcattcgatg  | tacgtaattg | ttcgcatacg  | cttgtgtttc  | 1561140 |
| caacaataac  | attcggcact  | tccagcttat  | acttacgtgc | agcaaaaagca | gccaatatat  | 1561200 |
| tattcacggt  | taaattaaac  | tcaaaccacg  | aagcgataaa | aggattcttg  | catgccattc  | 1561260 |

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|             |             |             |            |            |             |         |
|-------------|-------------|-------------|------------|------------|-------------|---------|
| cataagaaaa  | atacaatgaa  | gctaataaat  | cttcagcgcg | atgcaattct | tcttgcgga   | 1561320 |
| gtataaaata  | ttgagtaaca  | aatccacca   | aataagaagg | aaatTTTTTA | tccggaacat  | 1561380 |
| ctccgtcacg  | tacggcatca  | atcagctgaa  | gtaattcctc | tgccgaaaaa | ttacctctgc  | 1561440 |
| cttctgttac  | cgcatcttta  | TTTTcagaa   | gttctaataa | atctgcatta | tcaaatttca  | 1561500 |
| aataaaacaa  | atctatcagt  | ttccgatctt  | gtacggacag | ctccggatac | aactccgatt  | 1561560 |
| taaagtcagc  | aatagaataa  | cttaattttac | catcatccag | cgaaatatca | ggcaaaccag  | 1561620 |
| ctaccagaca  | ataatatgta  | ctcatacttt  | tctgttaaaa | caacatttca | actagctgag  | 1561680 |
| gacgaagaaa  | ttccttgaag  | taattttcga  | attcctcttc | accaaaattc | actttatacg  | 1561740 |
| aaccatctgc  | cgggtgaaaca | gagaaaagtg  | cttttagacc | atttacttct | tctattctga  | 1561800 |
| ctcctttatc  | gagcagggac  | ttcacatttg  | aggcaaaata | TTTTttcaaa | gcctctgcat  | 1561860 |
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| atttggtgaa  | ataatcttta  | tctgcaataa  | aaccttttac | tgcatccgaa | acagtctgat  | 1561980 |
| tcgtcaataa  | attagtattg  | tctgttttca  | gtgcattcag | ggcttgctcc | gcaaacaact  | 1562040 |
| tcaattcgga  | ctttgtgttc  | tccgtcaatt  | cgtcagcgga | cttacgagca | ttggcaatga  | 1562100 |
| tgcttcagc   | ttctttctcc  | gcgtcagcta  | tcaacttctg | agctttcttc | tgagcctctt  | 1562160 |
| cgataagtcg  | ctgtgcttct  | tcattaccct  | tttccacccc | ttcacgataa | atcttatcag  | 1562220 |
| tgagctcctg  | aattttgttt  | tccataataa  | ttattaaact | ttagtttata | aacttacaat  | 1562280 |
| tttatcaatt  | gtaattatta  | caatttctga  | agtcaaatat | actaaataag | ccttaatcca  | 1562340 |
| ctactatttt  | agaagaaata  | tttcgataag  | aatggaaagt | ttttaaccaa | tacttcggta  | 1562400 |
| aattttttacc | gataaattaa  | aattaaacat  | agaatcggca | taatccggtt | caaaattata  | 1562460 |
| ttcaagagat  | cattgaaata  | ctgtcaagaa  | taaatcgtca | aggagtaaga | aaagggatga  | 1562520 |
| aaaagatatg  | ctaaacagct  | gaaaatcaac  | agaaaaagta | tttcataatt | cactgatttt  | 1562580 |
| tagtaaatta  | gaagtacttc  | accactttta  | attatgacta | aagaatcact | ccttatgcaa  | 1562640 |
| taccaatccg  | agtgacagaaa | cgctctcgaa  | tcagctgtaa | atataagcaa | atctttttcag | 1562700 |
| aaagtattca  | tggatgcaat  | gaaattattc  | atggctatac | ctgaccgcat | caattttccta | 1562760 |
| caaattgggac | gggatggatg  | tttctcgga   | cagacatacc | gcaacaattt | tgagaacgac  | 1562820 |
| ggctttgact  | ggttttcctt  | caatgaagcc  | atcatcaggg | aacaccttaa | aggtggctgc  | 1562880 |
| aaggcgatag  | ccgttgatcc  | gtctttcatt  | ccaaaatcag | gcagcaaaac | gccgtggatt  | 1562940 |
| ggctattttct | ggctccggttg | tgccggtgaa  | tacaaacgtg | gactggaaat | aaccggtatt  | 1563000 |
| ggagttatag  | acgttgacaa  | ccatgaatgt  | atgacttttg | gctctgtaca | gacacctgac  | 1563060 |
| aacgcaacgc  | tggaaagctg  | tgagaagaat  | cttgttgact | ggtagagctc | ttaccttatc  | 1563120 |
| agcatacagg  | aacagctgaa  | acgtatttct  | ggcacagtcg | tgtgtgatgc | gttcttttca  | 1563180 |
| aaggcaactt  | tcatcaaacc  | attgtacgat  | aacggtttcc | acgtaataag | ccgtttcagg  | 1563240 |
| aatgatgccg  | tattgtttta  | tcccacctta  | gaaaatagga | caggaaaacg | cggacgtcca  | 1563300 |
| aaattacatg  | acgagaaaat  | tgactttgaa  | aatctggaca | tcacaagatg | taccgagtac  | 1563360 |
| aaagtgaaca  | agggtaaact  | ttacggactg  | aaagcatact | ccaaagcact | caaacgcttt  | 1563420 |
| gtgagcctgg  | ctgtatggta  | ccccatggat  | ggaagaacgg | acaaatggca | gctgtatttc  | 1563480 |
| tctacaaacg  | aaatacagaa  | cgcacaggat  | gtcctggact | tttacagaa  | acgtttccaa  | 1563540 |
| ctcgaattct  | gctttcggga  | tgccaagcaa  | catgccggaa | tagcaaactg | tcagtctaca  | 1563600 |
| gacttcagga  | aactggcatt  | ccactttaat  | gcatacattg | cagcgataaa | cctcgccaag  | 1563660 |
| gctgcctgta  | agaagatggg  | aataaaaatat | tccatatcat | catgcaagtc | agtcatacac  | 1563720 |
| aatgcttaca  | tgcttgaacg  | atttatttgc  | gtgtctggga | ttgaaccaa  | cacgcaatta  | 1563780 |
| attgacaaac  | ttttcaaaga  | actcatttta  | tttactgcca | gagccgctta | ggctgggcta  | 1563840 |
| atttttaacg  | aactattgtt  | ttaaccatac  | aataacaaat | atgtaatacg | ctagaattaa  | 1563900 |
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| aattgacttt  | tcagatttag  | gctaacccaa  | cttatacaca | taattgttat | ataaattatg  | 1564020 |
| tatgtgttac  | tttctcaaag  | gataaggcat  | tcttattgtt | cagacctgct | aaaatttatg  | 1564080 |
| cccgaacca   | gaatcccca   | agctgtacc   | aggttacagg | aattctcacc | tgaatgaaaa  | 1564140 |

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| ccacactccc  | gctctcggag  | cgtcctgtcg  | catacgggca  | ggcacaaaaa | attccaagaa  | 1564260 |
| acaaaattcta | tcagattgtt  | taatcgagta  | tgtccctgcg  | tcagcccgtc | gcgtccgggc  | 1564320 |
| ataaaaagag  | gtcccgacg   | gtcgttgctg  | caggacctct  | tcaagacggc | gactacctac  | 1564380 |
| tctcccactt  | gcgcagtacc  | atcggcgtga  | cgaagcttaa  | cttctctgtt | cggaatggga  | 1564440 |
| agaggtggaa  | ccttcgtgcc  | atagtcacct  | gaatatcggt  | ttatgtattc | atgactcaca  | 1564500 |
| agcaagcaat  | tccagcactt  | gtttcaaagc  | tgaaagtata  | tatcatccat | ccttattttca | 1564560 |
| aggaaagtga  | acgggcaatt  | agtaatgtc   | ggctttgggtg | tctccgcctt | tacacctgca  | 1564620 |
| tcctatcaac  | gtcatcgtct  | ttgacgacct  | tgagaaatct  | aatcttgtgg | ccggcttcgt  | 1564680 |
| acttagatgc  | tttcagcact  | tatccgatcc  | cgacttagat  | acccggcgat | gcacctggcg  | 1564740 |
| gcacaaccgg  | taaaccagag  | gtcgggtccaa | cacggtcctc  | tcgtactagt | gtcagagcca  | 1564800 |
| cgcaaatttc  | atacgccac   | gatagataga  | gaccgaactg  | tctcacgacg | ttctgaacct  | 1564860 |
| agctcgcgtg  | ccactttaat  | ggcggaacag  | cccaaccctt  | gggaccttct | ccagccccag  | 1564920 |
| gatgtgacga  | gccgacatcg  | aggtgccaaa  | ccactccgtc  | gatatgagct | cttgggaggg  | 1564980 |
| atcagcctgt  | tatccccgga  | gtacctttta  | tcctttgagc  | gatgtccctt | ccatacggaa  | 1565040 |
| acaccggatc  | actatgctct  | agtttcctac  | ctgctcgact  | tgtctgtctc | ccagtcaagc  | 1565100 |
| gcccttttgc  | cattacactc  | tgcgagcgg   | taccgatcgt  | cctgagggca | cctttagaag  | 1565160 |
| cctccgttac  | gcttttggag  | gcgaccacct  | cagtcaaact  | accaccaag  | caatgtcctc  | 1565220 |
| catccaggag  | ttagaattca  | aacaaacaaa  | gggtcgtatt  | tcaacagcgg | ctccacaaat  | 1565280 |
| actggcgtag  | ctgcttcatt  | gcctccgacc  | tatcctacac  | atcgcgtgcc | caaattcaat  | 1565340 |
| gctaagctat  | agtaaagggt  | cacggggctc  | tttcgtccca  | tcgcggttaa | tcggcatctt  | 1565400 |
| caccgatact  | acaatttcac  | tgagctcacg  | gttgagacag  | cgtccggatc | attacaccat  | 1565460 |
| tcgtgcaggt  | cggaacttac  | ccgacaagga  | atctcgctac  | cctaggaccg | ttatagttac  | 1565520 |
| ggccgccggt  | tactggggct  | tcaattcaat  | gcttctcttg  | cgatgacatc | tcctcttaac  | 1565580 |
| cttccagcac  | cgggcagggtg | tcaggctgta  | tacttctact  | ttcatattcg | cacagccctg  | 1565640 |
| tgtttttgtt  | aaacagttgc  | ctggacctat  | tctctgcgcc  | ctctcttgcg | aggagggacc  | 1565700 |
| ctttatcccg  | aagttacagg  | gtcagtttgc  | ctagttcctt  | aaccgtgatt | cactcaagcg  | 1565760 |
| ccttagtata  | ttcaaccgga  | ctacgtgtgt  | ccgtttgcgg  | tacgggtacc | atggaagtta  | 1565820 |
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| ctccatactg  | tcaagttcgg  | ctcttcccgc  | ggatttgctt  | gcgggaatca | gcacctacac  | 1565940 |
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| tccaaggtag  | taacggaata  | ttaaccgttt  | ctgccatcgg  | cctcgccggt | cggctgagcc  | 1566060 |
| ttaggaccgg  | actgacctg   | atccgattag  | cgttgatcag  | gaaaccttag | tccttcggcg  | 1566120 |
| aggggggttc  | tcacccctt   | tatcgttact  | tatacctaca  | tttgcttttc | catacgctcc  | 1566180 |
| agagtacctc  | gcggtacgcc  | ttcgacgccg  | aatggaatgc  | tcccctacca | accattgctg  | 1566240 |
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| agtgaactgt  | tacgcactct  | ttaaatgaat  | ggctgcttcc  | aagccaacat | cctagctgtc  | 1566360 |
| ttagcaatca  | gacttcgtta  | gtttaactta  | gctgtcattt  | cgggacctta | gccggtgggtc | 1566420 |
| cggattcttc  | tcctctcggg  | cacggacctt  | agcacccatg  | ccctcactcc | cggggtaaaa  | 1566480 |
| ctgatgcgca  | ttcgaggttt  | gtcaggactt  | gataggcgg   | gaagccctcg | catccaatca  | 1566540 |
| gtcgtcttac  | ctcacatcag  | taatccacga  | ggctgcacct  | aaatgcattt | cggggagtac  | 1566600 |
| gagctatctc  | caagtttgat  | tagcctttca  | cccctacctt  | cagctcatcc | agaagctttt  | 1566660 |
| caacgcttat  | tggtgcggac  | ctccatctgg  | tgttaccag   | acttcatact | ggccaaggg   | 1566720 |
| agatcacttg  | gtttcgcgtc  | tgccgccgct  | gactcgacgc  | cctgttcaga | ctcgcttttcg | 1566780 |
| cttcggctgc  | gggactcgtg  | tcccttaacc  | ttgccaacga  | cggcaactcg | taggttcatt  | 1566840 |
| atgcaaaagg  | cacgccgtca  | ctccgtagg   | agctccgacc  | gcttgtaggc | gcacgggtttc | 1566900 |
| aggtactatt  | tcactcttct  | gttcgaagtg  | cttttcacct  | ttccctcacg | gtactggtcc  | 1566960 |
| actatcgggtc | tctcgggagt  | atttagcctt  | gccggatggt  | cccggcagat | tcacgcagaa  | 1567020 |

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|            |             |             |            |             |             |         |
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| ttcctcgtgt | tccgcgctac  | tcaggatacc  | gctatgcttc | gtcttgcttc  | gaataccggg  | 1567080 |
| ctgtcaccgt | cttcggccga  | actttccaga  | tcgttcttct | cgcaagattt  | cttgcaacga  | 1567140 |
| cgcggtccta | caaccccacc  | tgtgccgtaa  | caccgggtgt | ttaggtcttt  | ccccgttcgc  | 1567200 |
| tcgccactac | tgggggaatc  | attgttattt  | tcttttcctg | caggactact  | gatgtttcag  | 1567260 |
| ttccctgcgt | tagcccccta  | ctgtgtaagg  | taatacctct | tcaaggtatt  | gggttgtccc  | 1567320 |
| attcggagat | tcacggatca  | gggggttatt  | gcacctcccc | gtgacttata  | gcagcttata  | 1567380 |
| acgtccttca | tcgcctccga  | gagccaaggc  | atccgccatg | cgcccttctt  | tactttcctt  | 1567440 |
| atcggtcaca | ccatttttca  | acagtgcggg  | atgatatata | cttttagctt  | tcgtactaaa  | 1567500 |
| attacttttt | gcttggtaca  | tcatgtcata  | gacctatttt | tctatagtgg  | agaataacgg  | 1567560 |
| attcgaaccg | ttgacccctt  | gcgtgcaaag  | cagggtgctt | agccagctga  | gctaataccc  | 1567620 |
| cgtttttttg | cggctgcaaa  | ggtaagcatt  | tactttcgtt | tgagcaaatt  | tttaaggaag  | 1567680 |
| ttttttcttc | gctccctttc  | ctcgaggtag  | tcccaggcag | agttgaactg  | ccgacctcta  | 1567740 |
| cattatcagt | gtagcgctct  | aaccaactga  | gctataggac | tagcttgctg  | gattcagttc  | 1567800 |
| aacctcgtct | gtttcctgac  | tcggcttcat  | ctttctctct | ttatttcgtt  | aaacaaactc  | 1567860 |
| gcatgcagca | caagaccgaa  | aggaccttca  | ctcggtcacg | ctccagaaaag | gaggtgttcc  | 1567920 |
| agccgcacct | tccggtacgg  | ctaccttggt  | acgacttagc | cccaattacc  | ggttttaccc  | 1567980 |
| tagggcgctc | cttgcggtta  | cgcacttcag  | gtactcccgg | ctttcatggc  | ttgacgggag  | 1568040 |
| gtgtgtacaa | ggcccgggaa  | cgtattcacc  | gcgccgtggc | tgatgcgcga  | ttactagcga  | 1568100 |
| atccagcttc | gtggagtcgg  | gttgagactg  | ccagtccgaa | ctgagagagg  | ctttggagat  | 1568160 |
| tggcatcccg | tcgcccggga  | gctgccttct  | gtacctccca | ttgtaacacg  | tgtgtagccc  | 1568220 |
| cggacgtaag | ggccgtgctg  | atttgacgtc  | atccccacct | tcctcgcata  | ttacgatggc  | 1568280 |
| agtctggcca | gagtcctcag  | cgttacctgc  | tagtaactgg | ccacgagggg  | tgcgctcgtt  | 1568340 |
| atggcactta | agccgacacc  | tcacggcacg  | agctgacgac | aacctatgcg  | caccttcaca  | 1568400 |
| gacgccttgc | ggcttacctg  | tttccaagta  | attcgtctgc | aatttaagcc  | cgggtaagggt | 1568460 |
| tcctcgcgta | tcacgaattt  | aaaccacatg  | ttcctccgct | tgtgcggggc  | cccgtcaatt  | 1568520 |
| cctttgagtt | tcaccgttgc  | cggcgctact  | cccagggtgg | atacttaatg  | ctttcgcctg  | 1568580 |
| gccgctgaca | gtatatcgcc  | aacagcgagt  | atccatcggt | taccgtgtgg  | actaccaggg  | 1568640 |
| tatctaattc | tgtttgatac  | ccacactttc  | gagcctcaac | gtcagttaca  | gcttagcagg  | 1568700 |
| ctgccttcgc | aatcgggggt  | cttcgtgata  | tctatgcatt | tcaccgctac  | accacgaatt  | 1568760 |
| ccgcctgcct | caactgcact  | caagggaacc  | agtatcaact | gcaattttac  | ggttgagccg  | 1568820 |
| caaactttca | caactgactt  | aatccccctg  | ctgcgctccc | tttaaaccga  | ataaatccgg  | 1568880 |
| ataacgctcg | catcctccgt  | attaccgcgg  | ctgctggcac | ggagttagcc  | gatgcttatt  | 1568940 |
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| caatccatag | gaccttcata  | cttcacgcta  | cttggtcgtg | tcaggctcgc  | gcccattgac  | 1569060 |
| caatatccct | cactgctgcc  | tcccgtagga  | gtttggaccg | tgtctcagtt  | ccaatgtggg  | 1569120 |
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| acctaattga | acgcatcccc  | atcgcttacc  | gataaatctt | taatcttaat  | tacatgtgtg  | 1569240 |
| cttaagatac | catcaggcat  | taatctttct  | ttcgaaaggc | tattcctgag  | taagcgggag  | 1569300 |
| gttggtatag | tggtactcac  | ccgtgcgcgg  | gtcgccatca | aacttagcaa  | gctaagttca  | 1569360 |
| tgctgcccct | cgacttgcat  | gtgttaagcc  | tgtagctagc | gttcatactg  | agccaggatc  | 1569420 |
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| accgaatgtc | tttactttgt  | tcaaataattg | acggttcttt | ctttttcaca  | gcatatacat  | 1569540 |
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| aagaactatt | tccctttttg  | tggcttccgt  | tcgttgtcga | aagcgtttgc  | aaagtttagga | 1569660 |
| gctttttttg | aaaccaccaa  | actttttcga  | aagttttttt | caaaaagttt  | tttttggcgg  | 1569720 |
| cggaggttga | cttcgtccgg  | ctgccgttct  | cgctccctta | acgccgttaa  | ggtaagatac  | 1569780 |
| ttggaccgcc | gcagaaccgc  | tgcttctctg  | tccatttctt | ttcagattgt  | catctcttca  | 1569840 |
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| tgttttacgg  | caggttttcc | ggaataagga | aaaggaagcc | gggaggggta | ctcaatatat  | 1570020 |
| tattacgcgc  | gtgcaggtgc | gcgcgcgtct | gaaccgtgca | aaaaaaatcc | ggaaaggtga  | 1570080 |
| aaattcctgc  | cggatgggac | gaaaaatatt | ctggaaggat | ggaattcttt | atcgatgac   | 1570140 |
| acgaaaaaaaa | atccggaaat | actccccgag | gaagggaana | atggatcatc | cgcaaggga   | 1570200 |
| attcatgctg  | aaaaaagcgg | atttttcttt | tgaaaaaatt | caggagaagc | gcaaaaaata  | 1570260 |
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| ttgtcaggaa  | agacatgcct | gaaaacccga | tgacagaaac | aaaaaaaaag | cagatttttc  | 1570380 |
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| tccacataaa  | aaggcaggaa | aaattatccc | gacgaagcga | aaaaatctca | gaaaacggat  | 1570500 |
| gatccggatg  | aaaaaaagca | gcagattttt | cgtaggcgga | aggaaaaatg | cagaaaagga  | 1570560 |
| tgcgaggcag  | gacagaaaaa | tctgccgaag | catctgaaaa | aatatgaaaa | taccagacg   | 1570620 |
| aaaagagaaa  | agatacattt | ccggaaagat | ggttcattct | gaaaaaatag | attttttatc  | 1570680 |
| aaaagaatac  | ggagaaaaag | acagactgat | ggaaaagaaa | caagagaatc | ataaccgaca  | 1570740 |
| aggtagaaaa  | cactcttaaa | aaacggatag | gtaaacgaga | aaaccggact | ctttcactca  | 1570800 |
| aaaagacagg  | gaacgcccc  | aaaaaatccg | ctgtctgaat | aaaaaaatac | gggagattct  | 1570860 |
| gaaaaaacat  | gcaggaattt | cctccgtctt | ttgtacaaaa | aatattctgt | tttgtacaaa  | 1570920 |
| ttccaaaaag  | ttttgtacaa | aaacgtgaga | taacagtggg | agaaaccgaa | ggaaatacga  | 1570980 |
| aagaaatttt  | cctgagacac | cgcgtaatag | tacggtctgg | aacagaaaaa | tgatgaaatt  | 1571040 |
| ttatgcgaaa  | aaagaaagat | atagatataa | tgacagaaga | agaaacgggg | aaaaataaccg | 1571100 |
| gatatgctct  | gctgaacaga | taggcgaaca | aacaagtttt | taaactgacc | acccactat   | 1571160 |
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| tatcccagca  | gatacattct | gaaaaagcaa | cgaaaaatgt | gtattccaaa | tcataagtat  | 1571280 |
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| aaaatcgctt  | ccagcatatc | tcttaagatc | tttcgtcagg | ataatagtaa | gaattacaac  | 1571460 |
| tgctcacact  | cctgcaacca | taaagccgaa | cttgcatcac | tcggcatacg | ccagtcgcca  | 1571520 |
| cggggactca  | aagaaacaga | accaacctta | gggccatcgg | gcagacaaga | acgtttgaat  | 1571580 |
| tgctgattga  | agaaacggcg | gcagaaattc | gtaagccatt | ttttaattgt | ttctttatcg  | 1571640 |
| tatacatcac  | ggaaagcaat | ttctgccaga | taaaaaatct | tagccggacg | aaaaccgaag  | 1571700 |
| cgcaagaaat  | ggaacagaaa | gaaatcgtgc | aactcgtatg | gacctaccaa | atcttccggt  | 1571760 |
| ttctgcttga  | tgtttccggt | ttcatcagca | ggaatcaatt | cgggactaat | aggtgtatca  | 1571820 |
| ataatatcga  | gcagtgtagc | acgtgattct | tcgtccactc | ccgtttctgc | caccaagta   | 1571880 |
| accagatagc  | ggaccagtgt | tttcggaata | cttgcatgga | ctccgtacat | cgacatatgg  | 1571940 |
| tcgccattgt  | atgtagccca | gccagcgcc  | agttcagaaa | gatctcccgt | accaataacc  | 1572000 |
| agccccccga  | ctttattggc | ataatccatc | agaatctgag | tgcgttctcg | cgctgaccg   | 1572060 |
| ttttcatacy  | ttacatcgtg | tacagacata | tcatgatcga | tatctttaaa | atgctgaatg  | 1572120 |
| cacgcatctc  | gtatgctgat | ttcgcggtgc | gtgacctgca | aagagcgcat | caagtccaat  | 1572180 |
| gcattgtgat  | acgtacggtc | ggtcgtaccg | aatcccggca | tggttatgcc | gacaatgcct  | 1572240 |
| tcacgcgaca  | atcctaattt | atcgaacgtc | tttacacata | ccagcagtgc | aagcgtagag  | 1572300 |
| tccagtcctc  | cggaaattcc | gacaaccact | gtcttgcatc | cagtatgcac | cagacgtttt  | 1572360 |
| gccagtcggg  | ctacctgaat | ggaaaaaatc | tcctcacagc | gctcatcgag | caactttcca  | 1572420 |
| ccttccggaa  | caaacggatg | aggttcaacc | ggacgagtca | gcatacactc | ctctcctggt  | 1572480 |
| tgagcaagtt  | ctaccggaat | gcgcttcacc | ggacaatcct | tgtaagcccg | cacgcttgca  | 1572540 |
| gagaatgtag  | tattcagcat | acgctcggtc | cgcaaacgct | ctacatcaat | ttcactgaca  | 1572600 |
| atcagctgct  | cctcgaaaga | aaaccgttcg | gaagccgcca | gcaatgtacc | attctcatag  | 1572660 |
| ataaaaagcat | tccctgcaaa | aacaacatcg | gttggtgatt | ccccgaaacc | agaagaagca  | 1572720 |
| aacacatatc  | ctgccagaca | acgtgccgac | tgctgagcaa | taagcgagcg | cagatactga  | 1572780 |

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| tgtttgcaga  | tattttccgt  | atcgcccgac  | atgttgaaaa  | tcacatctgc  | tcctgaagg   | 1572840 |
| gccagttttg  | aacttggagg  | aatggtagcc  | catacgtctt  | cgcagatttc  | tataccgaaa  | 1572900 |
| catagatcca  | cagactcaaa  | aatcaaattc  | gcactgaccg  | gcacctgctg  | accacacaaa  | 1572960 |
| cgcaccattg  | tattatcggc  | atgcgactc   | gagggggcaa  | accagcgctg  | ctcataaaat  | 1573020 |
| tccttatagt  | taggcaaata  | tgtttagga   | accactccta  | gtatttttcc  | gcgctgtaaa  | 1573080 |
| acaactgcac  | aattcattaa  | tgttgaattg  | acagttacag  | gcattcctac  | tatagatatt  | 1573140 |
| atatccaact  | ggcgagtttc  | gttcacacc   | tgcatcaaag  | ccatttcggc  | ctgttcaagc  | 1573200 |
| aacaaagact  | gtccgaacaa  | atcaccacat  | gaatatcccg  | taagattcaa  | ttccggaaaa  | 1573260 |
| atgattacct  | gaactccttt  | cgaatcagcc  | tcactaatca  | gtctgcctgc  | ctgctgtgca  | 1573320 |
| ttgaactggc  | agtcggcaac  | cttcaccaa   | ggtatagctg  | ctgccacttt  | tacaaaacca  | 1573380 |
| tatttcatat  | aaattgttat  | ataaataatg  | taactttgca  | aagataggaa  | ttattttacg  | 1573440 |
| accgaaagga  | gaaaaataaa  | aaaactaact  | ttgctttgat  | atttaagaaa  | atgtttatat  | 1573500 |
| ctttgccaaa  | gaattaaaat  | tgtaacaatt  | acaaaaacat  | aaagaataac  | atgaacgcac  | 1573560 |
| acgaatat    | gcttagttac  | aacatcaagc  | cgtctgtaca  | gcgtattgcc  | attatggact  | 1573620 |
| acttgctgaa  | gcatcatact  | catccgtgta  | tcgacgagat  | ataccttgca  | ttatgtaaag  | 1573680 |
| atatacctac  | cttatcgaaa  | acaaccgtgt  | ataatacact  | gaaattgttt  | atcgaacatg  | 1573740 |
| gagcagcgcg  | catgttaacc  | atagacgaac  | gcaatgcctg  | tttcgacggg  | gacacatcga  | 1573800 |
| tgcatgcaca  | ttttcaatgc  | aaggcctgcg  | gaaaaatata  | cgatatcccg  | atggaaccgg  | 1573860 |
| aaagtgaaga  | gatagaatcg  | ttgagcaaaa  | acggattcca  | gatagaagaa  | actcatcact  | 1573920 |
| attacaaagg  | aatctgtccg  | gaatgccggg  | aaaagaacca  | tgaaaattaa  | tagcccacaa  | 1573980 |
| ggctaaataa  | aataattaact | aataattaaa  | acttttttga  | cttatgaaaa  | aattttatctg | 1574040 |
| tactgtatgt  | ggttacatct  | acgaagggtga | aacagctcct  | gaaaaatgcc  | ctatgtgtaa  | 1574100 |
| agctcctgct  | tctaaattca  | aagaactgga  | agaatcagca  | gaaggcgggt  | tgcaagttcgt | 1574160 |
| tgacgaacat  | gtaatcgggtg | tagctaaagg  | ttgcgacgac  | gaaatgatca  | aagacctgaa  | 1574220 |
| caaccacttc  | atgggtgaat  | gtacagaagt  | tggtatgtac  | ctggctatga  | gccgtcaggc  | 1574280 |
| agaccgcgaa  | ggctatcctg  | aagttgctga  | agctttcaaa  | cgctatgcat  | gggaagaagc  | 1574340 |
| agaacacgct  | gctaaattcg  | ctgaactgct  | gggtgactgc  | gtatgggata  | ccaagactaa  | 1574400 |
| cctggaaaaa  | cgtatgaacg  | cagaatgcgg  | tgcttgcgaa  | gacaagaagc  | gtatcgctac  | 1574460 |
| tcgtgcaaaa  | cagctgaatc  | tggtatgcaat | ccacgataca  | gttcacgaaa  | tggtctaaaga | 1574520 |
| cgaagctcgt  | cacggtaaag  | gtttcgaagg  | tctgtacaac  | agatatttca  | agaaataatc  | 1574580 |
| attcaaaaaca | ttaacttgaa  | aagatcactc  | tggaacaga   | gtgggtctttt | ttattgtcat  | 1574640 |
| ttccgaacca  | aagtaaaccg  | ttattttatac | taaaaaagtg  | atgtaacaaa  | agctgtgcga  | 1574700 |
| agaaatgaat  | atgcttcaga  | taaagattct  | acacagcaga  | ctacagccat  | aggaaactgg  | 1574760 |
| ctaaagggaa  | acgtaaaaata | gacgtgagtt  | cgacgaattc  | caaacaatgc  | aagccgtgag  | 1574820 |
| tcaatagttc  | tcgtaacatt  | gatacacggt  | ttcttttggg  | aacagcaata  | tgctgcaatt  | 1574880 |
| gcgctcaata  | ggttgacaat  | aaaattattc  | ggtaaaatag  | ttataagaga  | aacctttggg  | 1574940 |
| aaaagatggg  | gtatatgttc  | acaaatcttt  | tccggataga  | aatgtatcgg  | acaagggtat  | 1575000 |
| tccaagccat  | gaaacggtaa  | tacgtgcact  | ttacgggtgga | tttaagtgtg  | taattttttc  | 1575060 |
| attataccat  | taaaaaaaact | tacaaaaacc  | atctgctata  | caaaaataatt | ctataacttc  | 1575120 |
| gctttcggtc  | atcatagcga  | ttattgttcg  | taatttttat  | tttgaccct   | ttataaagat  | 1575180 |
| acgataattt  | tcactaatca  | ctaattttaca | tttacaattc  | gtcgaactca  | cgttaaaata  | 1575240 |
| ttaaagatat  | gaacagaatt  | atgaaatgtc  | tatctgcgct  | ttgggttaaa  | agtgggatat  | 1575300 |
| tgtattttgtg | tcttttattt  | gtttttcctt  | tatctgtaag  | gagtcaatca  | atgggaatga  | 1575360 |
| tcaatggcca  | tgagtatgta  | gatttaggat  | tgccaagtgg  | tttgaaatgg  | gcaacctgta  | 1575420 |
| atgtttttgc  | atcaactaca  | gatgattgtg  | gcatgggtta  | tgctgggggt  | gagaaaacta  | 1575480 |
| tgaaatataa  | gtttacccca  | aaaaattcta  | agacgaataa  | aaagaaaata  | ggtgatattt  | 1575540 |
| ctggaaactc  | acgctatgat  | gtcgcttgtg  | ttgaatgggg  | tgctacctgg  | cgtattccaa  | 1575600 |
| gagagtcgga  | atttgaagaa  | cttctcgaat  | atggtaaatg  | gacgtggaca  | gaatcaaatg  | 1575660 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| caagtaaagg  | ttttttaatt  | actggcccta  | atgggaattc  | tatttatctt  | ccggcaaccg  | 1575720 |
| atttttatgc  | aacgggatcg  | gatgaaatgt  | atgggtgtta  | ttggactgct  | actcctgttg  | 1575780 |
| aaggagataa  | tcagaaggcc  | gtatatattat | attttagcag  | gaatcatcat  | tatctggatt  | 1575840 |
| atttttatcg  | ttatcagggg  | tattatattc  | gtccggtttc  | tgattgattt  | ttagttcaga  | 1575900 |
| tattgtgtgt  | aataaaatcta | ttagaggtat  | ttttgcataa  | taaaaaatat  | tctgaaagat  | 1575960 |
| aattctttgt  | taataaatct  | attaccaagt  | gattattctt  | tatgtgggaa  | gtcatacgta  | 1576020 |
| taattgacac  | ggtttttaggt | tagggtagct  | tcggcattac  | ttatccgtct  | aagacccatg  | 1576080 |
| tgaaagtatc  | cgatgcttta  | ggtgaaatag  | aaacagaatt  | gaggggtggc  | gtaaaagaat  | 1576140 |
| tcttcatgaa  | ggatatcaac  | agctgttgcg  | attctacgct  | aacctgtagc  | aatgatatgt  | 1576200 |
| ctctatcctg  | attataagcg  | taaattcgcc  | cgtaaagcca  | cgaacctgag  | cctataaagt  | 1576260 |
| atctcggcaa  | ggatttttct  | gatggcgata  | gagtctatgc  | gttgagcact  | actctattca  | 1576320 |
| agatgttgtc  | cggaagcctc  | cgagcttttg  | aatgaaaacc  | ttcctgctta  | tgagctgcaa  | 1576380 |
| cagaaggagg  | catgtgacgg  | ggtgattacc  | tacatctcca  | tagcgatgtt  | tttctaattg  | 1576440 |
| aaattctata  | tttctctctg  | ctgccggtta  | tcgtttgggt  | acgagtgtct  | actatcaggg  | 1576500 |
| ctcgaacggt  | tgatcttgat  | caggtacgct  | cagtgtgagc  | tatagctaac  | ttcctaagac  | 1576560 |
| ttcaacgatg  | gctatacgaa  | ctggaacgaa  | gacgatcgct  | tctatggtca  | ttctgtccgt  | 1576620 |
| cccgtctcag  | aataaaaagga | gccttagctc  | catgttggat  | ttatttaaag  | aggtcttggt  | 1576680 |
| tcacttattt  | attaaaaaga  | atgtacaata  | ggtcgaaatt  | cttacagaaa  | aatgacgaca  | 1576740 |
| tgaaaatggg  | attaacacag  | taaatatctt  | tcttcaaggg  | agcaaatacc  | gcatttccgt  | 1576800 |
| tatattagca  | gcggtagttt  | cggttgccgg  | ttacaacat   | aaaacgaagc  | atgtgctggt  | 1576860 |
| aggcaagtgc  | atggctatca  | aaaatctcta  | cagtcagaat  | gatgagcata  | cctgccgggc  | 1576920 |
| aactatcggc  | acaggaaata  | aaaaacggct  | ggtggaaaag  | ttccgtcagg  | tatatacagt  | 1576980 |
| tttagagatt  | cgtaataaga  | taaaataatc  | cgcaatacat  | ttgtggacgt  | taagactata  | 1577040 |
| taatagagaa  | ttaatcattt  | aaaatatgaa  | cgaaattatg  | aatgttttat  | ctatgctttg  | 1577100 |
| cataaaaagt  | gagatgacag  | attgaaaacc  | aatgatatta  | atacaatgaa  | caacaaaaaa  | 1577160 |
| tgataataga  | taatataaaa  | aaatatattt  | tgagcatctt  | gggcaagggtg | cacaaatccc  | 1577220 |
| aaaatgacaa  | cgtaatacaa  | acaaaagtgt  | aaatagagga  | taaaacacat  | gaagttacag  | 1577280 |
| aaaagcgtaa  | taacattcct  | gtattttacg  | atgttgatgt  | gtccatcaat  | cttatagatg  | 1577340 |
| acgatttggt  | agatgagcgt  | attccatgcg  | tatatggccc  | cccttcgtgg  | tataaagaga  | 1577400 |
| acggtcgttt  | agacagagaa  | aatccggatg  | tcaaagaatt  | tatgcatgag  | gcgcatgaga  | 1577460 |
| ttgaaaggag  | aaaccaacaa  | cgtaaagaat  | tgcgtaatag  | acttcagtat  | tttatagatg  | 1577520 |
| agcctatacc  | agatgtgaat  | gggccagatc  | cacggataaa  | ttgatgaata  | tgaatataca  | 1577580 |
| ggattttatc  | aatataagga  | cagaacgcag  | acttttacia  | cagatatattt | gggagtgtac  | 1577640 |
| gttacgatgc  | aatctcaact  | gtttgcattg  | tggcagtgat  | tgtcggaaaag | atgatatgcc  | 1577700 |
| gcgagatatg  | ccgttcgaag  | atttttcaaa  | ggtacttgat  | gaggtggcgg  | cagaaaagga  | 1577760 |
| tcctaccaag  | atcatgatag  | ttactacagg  | tggagaacct  | ttgatgaggc  | atgacattgt  | 1577820 |
| agcatgtgga  | cgtgaaataa  | cacgtcgcgg  | gtttgttttg  | ggaatgggtta | ctaattggcat | 1577880 |
| gcttttggac  | aagagcaaac  | ttcaggaact  | gatagatgcc  | ggactgaaat  | cgatctctat  | 1577940 |
| cagtcttgac  | ggtctacaaa  | gtgagcataa  | ttggatgaga  | ggaaacgagc  | aaagtttcca  | 1578000 |
| gcgtgcggtc  | cgtgtatttg  | aagctttgaa  | agagtcacat  | ttgacctggg  | atgttataac  | 1578060 |
| ctgtgtcaat  | accagaaaact | tttatactct  | tggctcgttc  | ctaggttttc  | ttcgcttatt  | 1578120 |
| gggtgtaaaag | aaatggcgta  | ttttcacggg  | atttcctatg  | gggagggtct  | ctggtaataca | 1578180 |
| ggagctacag  | ctttcttcaa  | gtcaattcag  | gcagcttatg  | gagtttatca  | agcacgtaag  | 1578240 |
| gtacaagaag  | agaattgccc  | tttcttattc  | ttgtgagggt  | tatcttggac  | cgtatgagat  | 1578300 |
| gattgttcgt  | gattttccgt  | ttttctgcgg  | agcaggatatt | aatatagctt  | ctgtccgtta  | 1578360 |
| tgatggtgct  | atcactgggt  | gtttgagtat  | tcggagcaat  | catgaccagg  | gaaatatcta  | 1578420 |
| tacggataat  | tttatggagg  | tatggaataa  | ccgttttgaa  | ccttttagaa  | atcgggaatg  | 1578480 |
| gatgaaacac  | ggagcatgtc  | ttgactgcaa  | agcatggaag  | gtatgccgag  | gtggtgccat  | 1578540 |



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| ataaaagaat  | cgtctgataa | tttgcgcgaa | gtgcgcccc   | aaagttagac  | agaaaacttt  | 1578660 |
| gggaatgcac  | ttcagctatt | caactttagg | aattatcccc  | aaaaggaacg  | gacagacaat  | 1578720 |
| aaaaaagcga  | ttcctcccat | aagaggaatc | gctcattctg  | caatatattt  | ttattaatta  | 1578780 |
| gcagcagaat  | ctttagcagc | aggagcagca | ggctgatctg  | tcgcagcatc  | cgactgagga  | 1578840 |
| gcagcaaadc  | ctgcaggagc | attcaacgga | tttgtcttct  | gttctttttac | agcctgatcc  | 1578900 |
| ataataacag  | atgaaccttc | atgagcacta | ggaattacat  | aagcagttgc  | aatacttact  | 1578960 |
| acaaccataa  | aaatagctaa | tccccaagtc | agtttttcaa  | tgaaatctgt  | tgttttgcga  | 1579020 |
| acgcccataa  | tctgatttga | agcagcaaaa | ctagaagaaa  | gtcctcctcc  | tttagaattc  | 1579080 |
| tgtatcaata  | cgacaaagca | catcaataca | gctgcaagta  | cgattaatcc  | aacaaataat  | 1579140 |
| aaatacattt  | tcttttattt | tgatttagcg | ttaataatca  | gtttttccaa  | aaatcttatt  | 1579200 |
| tggtctgcaa  | agtaagcatt | tttttttgga | tatttcaaat  | ttaatttttt  | aataatttca  | 1579260 |
| agtgtcttat  | catatctttg | ctgtttcacg | tagatttttg  | ccagtgtttc  | ggtaaaatag  | 1579320 |
| ctttcatcca  | aatcattatc | ttgtcttcca | attccccgct  | gcgaaacgga  | ggattcttct  | 1579380 |
| tccgttttgt  | ctgttttccg | taaatcatca | gattctgtta  | tttctgtagt  | cgataaattt  | 1579440 |
| cccttcacaa  | ggtgtctctc | cgaaggatct | gtggctgaca  | agtttacttc  | ctctgaatca  | 1579500 |
| gaatccttaa  | cctgtctgtc | caaattatct | tcaggctctt  | gaagcaaagg  | atctgtctgga | 1579560 |
| acagaggtgg  | gggctgacac | ttcttttgac | ttttcaataa  | aactgtcaat  | cagttcttga  | 1579620 |
| cccttcatca  | gcggtttatc | ggacacttca | tctggttcc   | gcagcaaaat  | agaagtatag  | 1579680 |
| tcaacactaa  | cctccgcagg | caaaggcaac | tccatagcgg  | gctcttccga  | caaatcggac  | 1579740 |
| aaaaaacggt  | ctatcaaatc | cagtgtccga | tcggatgatg  | cttttccctc  | tggtcgttct  | 1579800 |
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| aacaagaaca  | aattcttaag | ataaagcaaa | cggactgtct  | gaaaataagg  | ataacgagcc  | 1579980 |
| aacaagcccc  | ttaactcgga | taagctatcc | ttattcaagt  | attctggatg  | ccgtatccat  | 1580040 |
| tcatataaac  | gttggtgaat | catttcccga | ataaattacc  | agttcgctac  | agtagcgttg  | 1580100 |
| aatatttgct  | ctacaatttc | atcaatcatc | tgattaacta  | gatcttccctg | tacactggcc  | 1580160 |
| agctgctgac  | tagcgttata | ctcacgactg | gcagagaact  | gctgttcaaa  | gtcttccgca  | 1580220 |
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| tccaaatctc  | ctccttgctt | aatttggttc | aaacgagtct  | gctgcatata  | tatatcttgc  | 1580400 |
| aaggctgtgt  | taaacataga | ctccatggga | ccccaaacaa  | atgcagctga  | acggtttgga  | 1580460 |
| aagttttcga  | aagaaatggt | cttcacctta | tcataattga  | ttgaagcgcc  | attgaattta  | 1580520 |
| tacgatatag  | tgcatgcggt | caatatgcaa | acagccaccg  | acaatataga  | aactagttta  | 1580580 |
| taatatTTTT  | taatcaagcc | catattcctt | tattttacga  | tagagcgtag  | gctccgatat  | 1580640 |
| ttttaaatca  | tttgctgcat | tcttacgttt | tccatggtga  | cgttccaacg  | ctttccggat  | 1580700 |
| catttctttt  | tcaacctcat | ccaatgaaag | attctcttct  | acatatcccg  | cagtatcctg  | 1580760 |
| tacttcagga  | acttcttcag | gagtactcac | tttgaccgga  | gttatatgat  | taaccgccgg  | 1580820 |
| aacagaggta  | ttaaccacag | gcatagaagt | catcacaaca  | ggaggttcct  | gtaccactcc  | 1580880 |
| aaccgaatct  | tgtaaataat | gaacaggagg | agtatctgcc  | gaatgagcaa  | cctgagagcc  | 1580940 |
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| atcgaacaaa  | acttgataaa | gaatttcacg | ctcactttca  | aaactctttc  | cgttcgatgc  | 1581060 |
| actctttccc  | cctaatagag | cgggaaaacg | agaagctggt  | tgagccggca  | aatagccttg  | 1581120 |
| taggatataca | gccgtaatat | cacgattggt | ttcaataata  | gagatttggt  | ctgttatatt  | 1581180 |
| ctttaactga  | cggatatttc | ctggccacga | ataagaaaca  | agcatagcgt  | ttgcatcgtc  | 1581240 |
| agtcaactga  | atggctggca | tatgatactt | ttcggcaaag  | tcggaagcaa  | atttacgaaa  | 1581300 |
| caacaatgcg  | atatcatcgg | gacgttcacg | caaaggaggt  | accttaattg  | gaactgtatt  | 1581360 |
| caaacgataa  | tacaaatctt | cacgaaaacg | tccttctgca  | atggcatccg  | caaattgac   | 1581420 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| gtagtagcg   | gcaactatgc | gtacatccgt  | tttctgtact  | tttgatgac  | ccaccttaat  | 1581480 |
| atattcacc   | gattcaagta | cacgaagcaa  | gcgagcctgt  | gtagacaaag | gaagctcacc  | 1581540 |
| cacctcatct  | agaaagattg | tacctccatt  | ggcttctgca  | aaataaccat | tacggtcact  | 1581600 |
| gatagctcca  | gtaaaagctc | ccttttcatg  | cccaaaaagc  | tctgaatcga | ttgtcccttc  | 1581660 |
| aggtattgct  | ccgcagttta | ctgctatata  | aggtccatgc  | tttcgacggc | taaactgatg  | 1581720 |
| aataatctgg  | ggaaaacttt | ccttaccgac  | tccactttct  | cctgttacca | gaaccgacaa  | 1581780 |
| gtctgtagga  | gccacctgca | tggcaatata  | aatagcccga  | ttcagtcctt | cggcattacc  | 1581840 |
| aataatacca  | aatcgcagtt | ttatatattg  | tattttccgat | tttatcatat | ctcgtagtca  | 1581900 |
| taagatatgc  | caaaattaca | aaaagtttag  | cacttcaggt  | aattttggca | gaaaaattaa  | 1581960 |
| aatacggtag  | gaatcataaa | acgaatacc   | cattttattg  | cagtaggaag | attattataa  | 1582020 |
| ttcaaacgct  | gcacatatct | tatatgtaaa  | agtttgaaag  | tattatgtat | tcctgccgaa  | 1582080 |
| atttctacat  | agggtttctt | aggatccatc  | acgttactag  | agtaattata | atggccggtc  | 1582140 |
| tcgtcataat  | gtccggggaa | catcattaaa  | acatcatcat  | ttttattgct | ttccaagaac  | 1582200 |
| ggattattct  | tatccgtcaa | ggttccccac  | aaacatttta  | cgccaataaa | ttcacgcat   | 1582260 |
| ttcaattttt  | tcagtaacgg | aatacgatta  | aataacttac  | cctgcatatt | ccaagaaaca  | 1582320 |
| tccagcgaag  | cataacgggt | gttcaggaac  | tccatattat  | ttatcaaatt | gaatgtttca  | 1582380 |
| tcttcaataa  | tataagaaag | attggcggca  | ggcataatca  | gcaacggaaa | aggaacttta  | 1582440 |
| ttccattgaa  | ttccaccttt | taagcgtgca  | tcaatatttc  | cccatgaact | aagccagaaa  | 1582500 |
| cgcttgtag   | cactagcttc | tggtacgtta  | taggtataat  | cgctcccaa  | tacacctttc  | 1582560 |
| agcgccacag  | tatgctgcaa | agtaaatacc  | ggagcatcca  | gattaatagg | caaacgtctc  | 1582620 |
| tgtttggtat  | ttatgaatgt | ttctcccga   | gcatagcgga  | agcccaagga | tgcttcagct  | 1582680 |
| accgtaatat  | catgcgtatt | aaacggagaa  | cgtaccatt   | tctgtccctg | aaactgctga  | 1582740 |
| tcggctatct  | gtgcctgcaa | agcactttcg  | ccagccatcg  | tacgatagaa | caattcaccg  | 1582800 |
| caagggtcat  | aattggcata | acgaatcatg  | gctgtcgttt  | taaagccaaa | ttcacgctca  | 1582860 |
| cgctcactat  | ttatggtagc | cttacgctcg  | taattatact  | ggtccactgt | acaaaccttc  | 1582920 |
| aatgaagtaa  | acacattatc | cttatccgta  | ttgataaact  | tatcggaagg | taacatgtta  | 1582980 |
| tcactactgat | atgtgaaagt | taccgaatgc  | ttagggaact  | cacgtggcaa | atataccttt  | 1583040 |
| ttatcgaaag  | aatattccac | ttcaccata   | tattttgact  | tctgggtctt | aaagccgtat  | 1583100 |
| gcataatatc  | ccttcagaaa | caaatagagga | ttcaagtttg  | cagtcgtctg | ggccgaagca  | 1583160 |
| cgtaagcgaa  | gtccatcaat | ataatttgaa  | gtaatcatgg  | tattgatagg | cccaatatcg  | 1583220 |
| actttactat  | ccggtgtact | ggctcttaca  | aagttttcaa  | taaatgcttt | cagtacaaac  | 1583280 |
| atgatgtatt  | taaaaccttt | tatcttcgtc  | acatcatcga  | caaaacttcc | cattctgctt  | 1583340 |
| tccgactgct  | ttagatcttc | ttgcctgtat  | cgtttccagt  | attcatcatc | tcgcatcatg  | 1583400 |
| gcatttacct  | cctttatttc | atctcctttt  | ttcttaaaca  | atttatcagg | caaagggtcg  | 1583460 |
| aaagcaaaat  | caaaatagcg | agtcgtacgt  | cttaccatat  | aagaacctaa | tatctttttc  | 1583520 |
| aagtaagata  | gttcgcacag | catatcatct  | tccagcaacg  | tccattcgcc | agtaggtaat  | 1583580 |
| tcaccaaaact | tttgatcaat | aatcatattg  | tccacgaagt  | tgatatccgt | tttttttaggt | 1583640 |
| aagttcagct  | gacatttctt | tacacgatac  | gttgaaatcg  | ccaagatgta | caaagtctct  | 1583700 |
| gtaaatccaa  | aatcttgga  | attattggga  | acgaaagaca  | aatggaaaca | tttatcacgt  | 1583760 |
| tccacataca  | ccgtatccat | gatataaaat  | ttatagaaac  | gaatacccg  | atccgaaacc  | 1583820 |
| ggactatcaa  | atggatattg | caggaaacga  | aaacgatctt  | cataaatatc | tatatcctga  | 1583880 |
| aaaacatcct  | ttagtacgg  | agtaagcatg  | tctcccgtat  | taaagagctc | atttactccg  | 1583940 |
| gtagaattta  | taccttgaat | aatggctctt  | tccgaatgag  | gatctttccg | atatactttc  | 1584000 |
| tcagacacag  | tttcatcaac | agataatggc  | aatatatctt  | ttcctgtcac | atcacatgtc  | 1584060 |
| tctacttgat  | cgcgaaagaa | aggatatatt  | ttaaacagcc  | acgactcccg | caacgaatct  | 1584120 |
| gctgtaatat  | tattcattgc | aaaagttatc  | ttttgggtatt | tattataatg | ataataatct  | 1584180 |
| ttttgttcaa  | gattagtcg  | ctcttttagaa | gctataactt  | tcttcatcag | ttcaactgcc  | 1584240 |
| ggattatttt  | tacgcgaata | tttttcacgc  | ttgggcttca  | ccacaacttc | atcaagaacc  | 1584300 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aaatccgatt  | tcataactaac | attcagttca  | gatgttttag  | cagaaactgt  | tatcacttgc  | 1584360 |
| gtagcatatc  | ccaccatcga  | aatgtgagt   | ttagtccatc  | ctggatgata  | atttatcgca  | 1584420 |
| aattttaccat | ctatatctgt  | gatagtccca  | acaccttttc  | catcataata  | gacattcaaa  | 1584480 |
| taaggaatcg  | gatctcccgt  | atcagaatca  | ataacaactc  | catgaatttg  | ggcacacaga  | 1584540 |
| ctaacagccc  | aaacacaaaa  | tgtcattata  | aggagtaatc  | tctttaccat  | aaaaatttta  | 1584600 |
| atacgctttt  | ttataattct  | aaaacagagg  | cgaattact   | gctctttatt  | gttttagaca  | 1584660 |
| agtcaagcta  | gtacaaaaac  | gataaataga  | ccgtctttta  | tgcagtatta  | actattatta  | 1584720 |
| athtagattt  | ttaggaaagt  | caattcagat  | aaaaagcgta  | attttgtacc  | tcgaatataa  | 1584780 |
| aacaaaaactc | tataattatc  | aaaattaaca  | aacatgtcta  | aaataccatt  | attccataac  | 1584840 |
| ctgatagcaa  | gtggatttgg  | ctcaggatat  | agtcctgtag  | caccaggtag  | ggctggagct  | 1584900 |
| ttacttgcca  | cactaatctg  | gtggggatat  | gcattctttat | tcaaagatta  | ttatttgaca  | 1584960 |
| ctgcaatgca  | ccttcgcact  | agtgtgcatt  | tttacttttt  | taggcatctg  | gtcatcgggg  | 1585020 |
| gtttctgaaa  | aatattgggg  | taaagatccc  | tctcgtgtcg  | taatagacga  | aatggtcggg  | 1585080 |
| acatggattg  | ctttgcttgc  | tgtacctgca  | gaccattatg  | taggttacat  | gttcgcagcc  | 1585140 |
| ttcttgttat  | tccgtttttt  | tgatatagtt  | aagcccttag  | gcatcaagca  | agccgaaaag  | 1585200 |
| ttaccatccg  | gatatggcat  | catggcagat  | gatatccttt  | ctggcatata  | cgggtggaatt | 1585260 |
| gtaattctta  | tgtatcgatt  | tttaagcgcg  | tgaaaaagat  | acttacatcc  | atttgcaaaa  | 1585320 |
| aaggagggct  | gttcatgttc  | attcgggctc  | agctctcagc  | acaaatcgcc  | acatttgtcg  | 1585380 |
| acttcctgat  | aagtatctta  | ttaaatcagt  | gcgccacat   | atattatgta  | tacgccactc  | 1585440 |
| taattgggtc  | tatcagcgga  | ggtctgacca  | attgtgccat  | taattataaa  | tggacttttc  | 1585500 |
| aaacagaaga  | ttgcggctcc  | atacctgttt  | ttataaagta  | cataatagtc  | tggataggta  | 1585560 |
| gtatcggact  | caatttatgg  | ggtacttatc  | tggtgacaga  | atttctaacc  | cagcaagaga  | 1585620 |
| gtttcattgc  | agtcaaccaa  | tctacggcat  | ttattatagc  | caagatcagc  | gtatcggtaa  | 1585680 |
| tgggtgcggt  | attatggaac  | tacaatttgc  | ataaaaacatt | tgtctttaag  | gacgcacaca  | 1585740 |
| tcaatgaaaa  | actaaaaaat  | aaaataaaaac | aaatcacaca  | ccaacatgga  | aataaaaaaa  | 1585800 |
| caagctaaaa  | agttgcgtga  | ctcgttcaa   | caattaattt  | acaaaatcat  | caatcctttg  | 1585860 |
| gttcatggaa  | tgattaaaa   | tgggattact  | cccaacattg  | taactacaat  | cggatttttg  | 1585920 |
| ggaaacctgg  | caggtgcttg  | tattctgatt  | tatgcaggta  | tcaatcaaga  | agtcaattat  | 1585980 |
| tacaatttaa  | taggatgggc  | aggcggcatc  | atcttatgtt  | cgtcgtcttt  | cgacatgatg  | 1586040 |
| gacggtcaag  | ttgctcgtat  | tggaggtagt  | gcttcaacat  | ttggagcaat  | gtacgattca  | 1586100 |
| gtactcgacc  | gctacagtga  | actcgtcaca  | ttaggcggca  | tttgcttttg  | cctgattgga  | 1586160 |
| cacaattatc  | ccataggggc  | tgttattacc  | tttgctgcac  | ttatcggttc  | attaatggta  | 1586220 |
| agttacgtac  | gtgcccgtgc  | agaaggcctt  | gggctggaat  | gtaagatcgg  | atttatgcaa  | 1586280 |
| cgtcccgaac  | gtgttgtttt  | aacaagtctg  | ggattgctgg  | tatgtggtat  | tgtcgttaca  | 1586340 |
| caaaaatcctc | atctgtcttt  | tgaccgatg   | cttattttta  | ttgtacccat  | gggctttatc  | 1586400 |
| gctatatattc | ccaatattac  | agcttttgca  | cgtattgaat  | acagccgcag  | acaactcatg  | 1586460 |
| aaaaaataat  | atcatcacat  | atgaaaataa  | tgactgacag  | gccttctacg  | aaggaaataa  | 1586520 |
| tggattatagc | catttccctt  | gtagcatgga  | taagtgtaac  | tgcagccttc  | attggcattc  | 1586580 |
| gccccgaaca  | cataggactg  | gggtgcttta  | ttgcagtatt  | attcttaatt  | agccgagcta  | 1586640 |
| cgcgaaagct  | agttgtagct  | cttctccctt  | ttgcgatatt  | tggaaatttct | tatgactgga  | 1586700 |
| tgcgaattat  | acccaattat  | gaggtaaadc  | caattgatgt  | aaaaggatta  | tatgaaatcg  | 1586760 |
| agaaaagcat  | ttttgggtatt | gccacagccg  | aaggaattct  | tactcccaac  | gagttcttcc  | 1586820 |
| atatccacca  | ttgtccggcg  | atggatttca  | tggcaggtag  | tttctacctc  | tgtcgggttc  | 1586880 |
| ctgttcccat  | cttattcgga  | ttaggactct  | atttcactcg  | ccaacgcaag  | acctacctgc  | 1586940 |
| actttgccct  | agtatttctt  | ttcgtttaatt | taataggatt  | tacaggatac  | tacatacatc  | 1587000 |
| cggcagctcc  | accctgggat  | gttatgaact  | acggtttcga  | accaatttta  | aatactccgg  | 1587060 |
| gcgatgtcgc  | cggattagcg  | agatttgatg  | caatgacagg  | gctcaccgtt  | tttcagggat  | 1587120 |
| tatatggaag  | aaatgcaaac  | gtctttgctg  | ctgtgccatc  | attacattca  | gcctatatgg  | 1587180 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| tcgttgact   | tttttattcg  | ttccgggcac | gatgcagcaa  | ctgggttacgg | attgtatttg  | 1587240 |
| cctttataat  | ggcaggcatc  | tggtttacgg | ctgtatactc  | cggacatcat  | tatatcatag  | 1587300 |
| acgtaacact  | aggcattcta  | tgcgcgctac | tggttatatg  | ctgctttgaa  | tatatcttaa  | 1587360 |
| tgcgtatacc  | taagtccgt   | aactttgtag | cacgttatac  | ccagtatatc  | gaataaaaaga | 1587420 |
| aaaaggtaaa  | aataaaatgg  | catgtgcgaa | tgaatccgat  | tgaatcattt  | tcacatgcca  | 1587480 |
| tttgtttttt  | atgacatttt  | actatctttt | ctctttacga  | taagattagt  | caatttcctt  | 1587540 |
| atcagcttca  | taaccaccca  | tttcacgaag | cgcattcttc  | aacatcacat  | actgctggaa  | 1587600 |
| caggtgatta  | accgggactt  | cattcttggg | ataatcgtgc  | atcgggctct  | ttaagaagaa  | 1587660 |
| gctcaagaaa  | cgctggatac  | cataacgtcc | tgcacgtgca  | gccaagtcac  | tcaacaaaac  | 1587720 |
| caagtcgagg  | cacaacgggtg | ctgccaagat | agaatcacga  | cacaagaaat  | tgatcttaat  | 1587780 |
| ttgcatcgga  | tatcccattc  | atccgaagat | atcgatatta  | tcccaacctt  | ccttattatc  | 1587840 |
| gttacgaggc  | ggataatagt  | tgatacgtac | cttatgataa  | tagtcggtat  | ataagtcagg  | 1587900 |
| ctggttttca  | ggtacaagaa  | tagattccaa | tgtagacagc  | ttgctcacct  | cttttgatg   | 1587960 |
| gaagtttgca  | ggttcatcca  | aaaccagtcc | gtcacggttt  | cctaaaatat  | tggttgagaa  | 1588020 |
| ccatccagac  | aaacctaagc  | aacgagtacc | aataatcgga  | gcgaatcctg  | acttaaccaa  | 1588080 |
| agtctggcca  | gtcttaaagt  | cttttcgggc | aataggcatc  | tttgtctttt  | ctgccatctc  | 1588140 |
| ccacatagca  | ggaatatcga  | cagtcgtatt | cggagcaccc  | ataatgaaag  | gagcaccttc  | 1588200 |
| tgccaaagct  | gcatacgcac  | aacacattga | cggagccacg  | tgttcacgat  | catcattttt  | 1588260 |
| catagcctgt  | tccaatgcag  | ccaatgtacc | atgaacctct  | tcacaaacag  | gtacataaat  | 1588320 |
| ttctgtagaa  | gctgccaca   | gaactacgat | acggctacaa  | ccattttttt  | ccttgaagtt  | 1588380 |
| acggatatcc  | ttacgcaact  | cttcaccat  | atcccagcgt  | gtcgcgcaat  | ctttcacgtt  | 1588440 |
| atttccatcc  | agacgctttg  | catagtattg | atcgaatgct  | gccttcattg  | gaacgatttt  | 1588500 |
| ttccaattca  | tcttttacgg  | gattaatatc | tttttccttt  | aagacctcac  | agttcatttg  | 1588560 |
| agattcataa  | gcatttgccg  | gatatacatc | ccatgcgccca | aatacgaatg  | cttttaaatc  | 1588620 |
| tgctattggg  | acaatctcat  | tataatgaag | atatttctta  | ttgggtccac  | gtccgacacg  | 1588680 |
| gattttatcg  | tattgagtca  | ttgaaccgac | aggttttgcc  | aatcctttac  | gaaccatcaa  | 1588740 |
| tacacctgtc  | ataaatgttg  | ttgctactgc | tcccaaaccg  | acacacagca  | caccgagttt  | 1588800 |
| gccggtagcc  | ggttgtagat  | tcattttttc | cattttcta   | ttgtttttct  | agtttgtaaa  | 1588860 |
| ataacaaagt  | aatattacgt  | gctgtaaagt | tatacttttg  | tttgaaacaa  | caagcaaaaa  | 1588920 |
| caattctttt  | tttatatatt  | ccttgagaaa | attgaacaat  | atttcgtata  | aaatgacaat  | 1588980 |
| aaaataaagg  | ttcctgacag  | ataaaaaaat | acacttgcc   | cttttcta    | cttaaaaaagc | 1589040 |
| actatctttg  | cacccgtttt  | tacaatgaaa | aagttattaa  | taatgaatga  | catttggttg  | 1589100 |
| atcgggcata  | taacgttggg  | taaaatcatc | actccta     | aaacgactta  | tatgccggga  | 1589160 |
| ggtacttctt  | attacttctc  | ccatggtatt | tatcatctga  | atgactggaa  | aaattataaa  | 1589220 |
| cttgtagactt | cacttgcccc  | tagtgaatat | acagccgtcg  | acgagctgag  | tcaaaaagga  | 1589280 |
| ataaacgttg  | aagtaatccc  | cagtcgaaag | accgtttatt  | ttgaaaattc  | atacgggtgag | 1589340 |
| aatcaaaaaca | accggactca  | acgtgtcctg | gcaaaggcag  | atcctttcac  | cgttgaaaaa  | 1589400 |
| ttacagcaga  | tagaggccc   | ttttttccat | ttggggagtc  | ttctatcgga  | cgatttttctg | 1589460 |
| ttagaagtaa  | tcaagtatct  | gtcacagaaa | ggaatcttat  | cgggtgatgc  | acaaggttat  | 1589520 |
| ttgcgtgaag  | taagaggaga  | gaatgtttat | ccagttgact  | ggactggaaa  | ggaagaagcc  | 1589580 |
| ctgaaacaca  | tccacatact  | caaagtcaac | gaacacgaag  | caaaagtttt  | gactggatta  | 1589640 |
| tcggactatc  | aagctgctgc  | tcttcaattg | gctaaatggg  | gtgtaaaaga  | ggtattgctg  | 1589700 |
| acattgggca  | gtgagggctc  | cctcatctat | gcagaagggc  | actttttatca | gataccagct  | 1589760 |
| tatcccccaa  | aagaggtagt  | agatgccaca | ggctgtggag  | atacttatat  | gttaggctat  | 1589820 |
| ctttacatgc  | ggaacaaagg  | agcttcgtat | gaagaagcag  | gatgctttgc  | cgctgctctg  | 1589880 |
| tctactatca  | agctagagaa  | atcaggacct | ttcagaggaa  | cagaaaaaga  | agcttgggac  | 1589940 |
| attatcagaa  | atagtaaatt  | gaaagtgtgc | aaactataga  | ataaagactt  | gcataaaaat  | 1590000 |
| agccggagaa  | ttactccggc  | tattttttta | tttcgtacaa  | actgatacgg  | acaacatctt  | 1590060 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gcgggcatac  | agccaaacta  | tcgcataggc  | gacccatggt  | actacaaatg  | caaataccat  | 1590120 |
| agttgtcgtg  | tcggccacat  | atcccattaa  | caatggacca  | accactcctc  | ctaccggtga  | 1590180 |
| catcatcaag  | aacgaagaag  | cacgttttagt | atgattttccc | aaacctttca  | gtgacaaagc  | 1590240 |
| aaaaatggta  | gggaacatga  | ttgcttcaaa  | agcatagcca  | cacagcaatg  | ctataagtga  | 1590300 |
| acagagtccc  | aaatccaaca  | aaacgacggt  | agtggtaaca  | actgttcctg  | tagcacaata  | 1590360 |
| gaataacatc  | cgctctgcac  | ttacacgttg  | cattatccaa  | ctaccacaa   | aacgtcctgt  | 1590420 |
| cataaatagc  | cctaattccac | cgaatgacaa  | gaccaaagag  | gcataacggg  | cattcatcca  | 1590480 |
| tttctggtct  | accacataat  | tgatgaaaa   | actattgata  | gagatttcac  | ctatttcgta  | 1590540 |
| agcaaaacaaa | gcaaataagc  | cgaatataaa  | aagcttatgc  | gaccataagc  | tcacactcct  | 1590600 |
| accttcttta  | tcgacttctg  | cctgatgctg  | aatttcggga  | agttttactc  | gcataaaaaac | 1590660 |
| agcagccaca  | atcaatacga  | gtattcccat  | acaaacatag  | ggcaaagcaa  | cattaccatt  | 1590720 |
| tgatgcactc  | tgctgatcat  | cattggagaa  | caataacaat  | cctacaaata  | aaggagcaca  | 1590780 |
| tatacatccc  | ataccgttga  | atgattgctg  | aaaattcaaa  | cgactggcag  | cggtttcctt  | 1590840 |
| cgctcctaac  | tctgtttacat | acggattagc  | cgctgtttcc  | aaaaagggtca | gtccacaacc  | 1590900 |
| gatcacgaac  | aaagcaaaca  | ggaaagcatt  | gaacgaagcg  | aagtgttggtc | ctggaataaa  | 1590960 |
| caacaaaagcc | cccaaaccat  | aaagaagcaa  | tcctaacaca  | actcccttac  | gatagccaaa  | 1591020 |
| ccgattaata  | aaaagtccag  | caggaatagc  | catgataaaa  | tatcccatat  | acatagtgc   | 1591080 |
| ctgtaccata  | gccgaatgtg  | ccttggtaat  | atccagaatt  | tcctgaaaat  | gcttattcaa  | 1591140 |
| tacatccagt  | atggcatgtg  | cgaaccccca  | cagaaagaaa  | agggaggtca  | acaaaacaaa  | 1591200 |
| aggcagacga  | tactgtttct  | ctaccaaagg  | aatacgtttt  | tctttcataa  | atacattcct  | 1591260 |
| ataaacaata  | gttcgttaaa  | aattagccca  | gcctaagcgg  | ctctggcagt  | aaataaaatg  | 1591320 |
| agttctttga  | aaagtttgtc  | aattaattgc  | gtgtttggtt  | caatcccaga  | cacgcaaata  | 1591380 |
| aatcggtcaa  | gcatgtaagc  | attgtgtatg  | actgacttgc  | atgatgatat  | ggaatatattt | 1591440 |
| attcccatct  | tcttacaggc  | agccttggtg  | aggtttatcg  | ctgcaagtga  | tgcattaaag  | 1591500 |
| tggaatgcc   | gtttcctgaa  | gtctgtagac  | tgacagtttg  | ctattccggc  | atgttgcttg  | 1591560 |
| gcatcccgaa  | agcagaattc  | gagttgga    | cgtgttctgt  | aaaagtccag  | gacatcctgt  | 1591620 |
| gcgttctgta  | tttcgtttgt  | agagaaatac  | agctgccatt  | tgtccgttct  | tccatccatg  | 1591680 |
| gggtaccata  | cagccaggct  | cacaaagcgt  | ttgagtgtt   | tggagtatgc  | tttcagtccg  | 1591740 |
| taaagtttac  | ccttggtcac  | tttgactctg  | gtacatcttg  | tgatgtccag  | attttcaaag  | 1591800 |
| tcaattttct  | cgctcatgta  | ttttggacgt  | ccgcgttttc  | ctgtcctatt  | ttctaagggtg | 1591860 |
| ggataaaaca  | atacggcatc  | attcctgaaa  | cggcttatta  | cgtggaaacc  | gttatcgta   | 1591920 |
| aatggtttga  | tgaaagttgc  | ccttgaaaag  | aacgcatac   | acacgactgt  | gccagaaata  | 1591980 |
| cgtttcagct  | gttcctgtat  | gctgataagg  | taagagctgt  | accagtcaac  | aagattcttc  | 1592040 |
| tcacagcttt  | ccagcgttgc  | gtgtgcaggt  | gtctgtacag  | agcccaaagt  | catacattca  | 1592100 |
| tggttgtaaa  | cgtctataac  | tccaataccg  | gttattttcca | gtccacgttt  | gtattcaccg  | 1592160 |
| gcacaaccgg  | accagaaata  | gccaatccac  | ggcgttttgc  | tgcctgattt  | tggaatgaaa  | 1592220 |
| gacggatcaa  | cggctatcgc  | cctgacgacca | cctttaaggt  | gttccctgat  | gatggcttca  | 1592280 |
| ttgaaggaaa  | accagtcaaa  | gccgtcgttc  | tcaaaattgt  | tgcggtatgt  | ctgttccgag  | 1592340 |
| aaacatccat  | accgtcccat  | ttgtaggaaa  | ttgatgcggt  | caggtatagc  | catgaataat  | 1592400 |
| ttcattgcat  | ccatgaatac  | tttctgaaaa  | gatttgctta  | tatttacagc  | tgattcgaga  | 1592460 |
| gcgtttctgc  | actcggattg  | gtattgcata  | aggagtgtat  | ccttagtcat  | aattaaaagt  | 1592520 |
| ggtgaagtac  | ttctaattta  | ctaaaaatca  | gtgaattatg  | aaatactttt  | tctgttgatt  | 1592580 |
| ttcagctgtt  | tagcatatct  | ttttcatccc  | ttttcttact  | ccttgacgat  | ttattcttga  | 1592640 |
| cagtatttca  | atgatctctt  | gaatataatt  | ttgaaccgga  | ttatgccgat  | tctatgttta  | 1592700 |
| attttaattt  | atcggtaaaa  | atttaccgaa  | gtattgtata  | aataatgagg  | caaacaaact  | 1592760 |
| aaatctgtaa  | ttattatatac | gggtaaggac  | tcatctatct  | ccttattttc  | ccacccttct  | 1592820 |
| ccttttaacc  | aagcaacttt  | acagccaacg  | gtcttagcag  | gaaccatatac | tttcgaaaaa  | 1592880 |
| gaatcaccaa  | caaccagcac  | attctcagca  | ggaagtttta  | gaacttctac  | ccccaagcga  | 1592940 |

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| aaatcatcta  | attcaaaatc | tttcaaaacg  | gaccgaatat  | taccatagaa  | attagaaact  | 1593060 |
| agcaccagct  | tatatcttct | tgaaaggctc  | tgactacag   | gacgcgtttt  | ttctaataca  | 1593120 |
| ctcaatacat  | actgataaca | actatcggct  | atcttcaccg  | catattccat  | tgcatcagtc  | 1593180 |
| tgttccaact  | taccctgttc | tatcaaatac  | tccatttgaa  | gttttgtctt  | aatgcataat  | 1593240 |
| acatcatgaa  | aattatcttc | aggcttcacc  | aatggtatac  | gcgccagcgt  | acgttctcca  | 1593300 |
| tacacatacg  | cttcacggaa | atcagccttg  | ccaacaggaa  | catgatattc  | ttcatatttg  | 1593360 |
| ctccacaaga  | cttccgacca | atgacgggag  | tttgtatcaa  | gcgtacctcc  | ataatcaaat  | 1593420 |
| attatacctt  | taatgtctgt | caatctctcc  | attcctcttt  | atcttttccg  | taccgttacc  | 1593480 |
| aaatttcatc  | aacagtactc | ctataacaat  | ccatatcaat  | tcacgtacac  | gggtaatgag  | 1593540 |
| tcccgtatat  | actccaaaag | cactcgaat   | agccaatcct  | ccagttgcca  | gtgcaaatcc  | 1593600 |
| tccctcacgg  | gctcctaact | gcataggaga  | gaaaaagaac  | aggtttgcaa  | aaagagaagt  | 1593660 |
| aaaggccatt  | atcaaaatgc | atgaaacaaa  | gcttacgtct  | gttgtaagaa  | tattcaaaat  | 1593720 |
| aaaaaagact  | tctatacaac | ctatgatacg  | agccagaaat  | tccaacccca  | gcgacaagta  | 1593780 |
| gaacgttgac  | ctgcgtgttc | catgcaactc  | tgcaatctgc  | ttgtccactc  | gttctagtac  | 1593840 |
| atctctcttt  | tcaagaacaa | aatgctgcgc  | ccattttcta  | atgaaaggta  | catgaccag   | 1593900 |
| taattttaaa  | gtgcccactg | ccatcccctt  | tcgataacct  | ttcataaaaa  | aataaatagc  | 1593960 |
| gatcaagcaa  | caaactccaa | cgacagccaa  | caaaagtccc  | attgccatat  | tgaccggctc  | 1594020 |
| catcatgata  | tacaagacca | cagagaacag  | ccaaaaacaa  | aaatgggaaa  | aaatatgcat  | 1594080 |
| catcacatat  | agaataacag | aggaagtgc   | tttacttgcc  | cctacataag  | gtgtcaattc  | 1594140 |
| cataatgcga  | taaggttctc | cccccataag  | ccctaccgga  | gtagcataat  | tcagggcgaa  | 1594200 |
| accagaaaact | gtaaatttat | atattttcca  | aaaaggcacc  | cgggcatgtt  | ttccatcacg  | 1594260 |
| aatgatagca  | taccatgaac | aggtattcaa  | aaaataaata  | aatacccata  | gcaagacaac  | 1594320 |
| agcaggaagc  | caatatcctg | cttttcgcaa  | gttatgccat  | aattcctgat  | aatccatata  | 1594380 |
| gaaagtacaa  | agcatcacia | cgatagcaaa  | gatcccgaag  | aacccaaaata | tattttctaaa | 1594440 |
| cttttctttc  | attgattagc | atattttctga | taaagatagg  | aacaaatagc  | ttcatgacgg  | 1594500 |
| tgacgcatat  | acaggaatag | aaccgtcatt  | actacaatct  | cgaatacaaa  | gtacatataa  | 1594560 |
| ggtatgccta  | tcagcaagca | aatatacaaa  | acaacagcac  | gagtattaaa  | ggtcaggata  | 1594620 |
| ttagcatact  | tcatcaatgg | caaacttaac  | cgacgggaact | cgtcacataa  | ttcacgggga  | 1594680 |
| atatcattgc  | catatttttg | caacacccat  | gtataaaaagc | gttgaaaaga  | aggggtcatc  | 1594740 |
| tgttcctgct  | gacgagtata | gtttccatag  | aaataaagga  | atgacttcca  | ccaaaagtgt  | 1594800 |
| cctttccacg  | gcaagctata | aaaaagagta  | cgttggtgct  | tgaaagtatc  | tagttcacta  | 1594860 |
| cctgattccc  | cttttagaaa | gaataaatgt  | atgttccgat  | aataatcggc  | caacatacat  | 1594920 |
| tgtttactat  | gacagacagt | ccctgaaatt  | aatgccaaaa  | tccaaattcc  | ccagccccat  | 1594980 |
| atcaaatcat  | tttcagttcc | aagacttaac  | ggtaatggct  | gatgcatcaa  | gcgcaggcaa  | 1595040 |
| attgccgcat  | agatcgtaat | aaaccaata   | tctccagcca  | aaccatccag  | catacgtccc  | 1595100 |
| caacgtgttt  | ttttaccctg | aagacgcgcc  | aactgtccgt  | cacagctatc  | ataatgatta  | 1595160 |
| gcccataatca | acagaaaaat | tccgataagg  | gtatgtttca  | tatctgggaa  | ataaaaacatt | 1595220 |
| atcccagctc  | ctatacctaa | aaagatagac  | aatacagtta  | ccacattagg  | atgtactccc  | 1595280 |
| aaacgtttga  | aaagtaaagt | ccacaaataa  | cctatcggac  | gattaaaata  | aatatccaaa  | 1595340 |
| aattcttccg  | tatctaccga | tttaaaagaa  | gcttcaaate  | tctttttatc  | tatccccatc  | 1595400 |
| tcattctttc  | agtttagctg | tcactttatg  | ataaatacat  | tcggcaattt  | tcacacctgc  | 1595460 |
| ctcctcacgg  | caacaggcaa | aactaggcca  | atcattgaaa  | tcgattattc  | taattttctcc | 1595520 |
| tgtagaagaa  | atgatacaat | cacccccata  | aataggtaca  | ttcataattt  | cagcaagctt  | 1595580 |
| tgaactgtat  | tgatacagca | actctttatc  | gaatggataa  | ccacatgttt  | caccattggc  | 1595640 |
| gatttctaata | cccaatttac | tatgacatgc  | atctgtggga  | taaaaagaga  | agaaaaagtc  | 1595700 |
| tgtaccctgt  | acaccataaa | acttgactaa  | atcgccagac  | agatgctcat  | tgactacggc  | 1595760 |
| ctcagaaaatt | cccctagaat | gaaaatcggc  | caaaacctgc  | tcagcctctt  | ctttacattc  | 1595820 |

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|-------------|------------|------------|------------|------------|-------------|---------|
| tacatagacc  | acatcttctt | tcaccatagc | atgcgaatct | ccacgcttta | tccaacaagg  | 1595880 |
| gaaaagtctt  | ggaacaaact | cgctatcagt | agaaacaata | aaacttacag | gatgagcgaa  | 1595940 |
| gccattcctt  | atcaataatt | cagtcataga | cttccgcatg | cacttggaag | ctccataagc  | 1596000 |
| agaattcaca  | accacactcc | cgttatcttc | caattgtttc | aaatactcta | tggtagaccg  | 1596060 |
| gtcgcgtgcc  | atattaaaaa | taaactctgt | ccttatttgt | ttcgaaacaa | actctttctc  | 1596120 |
| aggccatatt  | tccacttcac | atcctttatc | tcgtaatttt | tctgctacaa | cttccaatat  | 1596180 |
| agcagcatca  | ttgtccacgt | gattgggtga | gtactcacta | ctccggctaa | ctcctattac  | 1596240 |
| ttttattttt  | ccgtgaatca | aacacattgt | tttgctgtta | ttcttctata | ttattcaaaa  | 1596300 |
| aagcctctgc  | ttttattatg | tcgcttgcac | gatctacatc | caatattttc | gagaacggat  | 1596360 |
| aagctttcag  | tcttagccca | tcgacaatca | gttgacgctg | aaaattcctc | atacgagaaa  | 1596420 |
| ttcctttctc  | catacaagaa | tgtaaaacgt | ctatcgcttg | tggtcccaga | caatagattc  | 1596480 |
| cgcccgaagt  | atattttaca | tcaggggtca | tggtatcata | aaatcctgta | atattcagct  | 1596540 |
| gatcatcggg  | agatatatac | aatggctttt | catcatctat | atagtctgtt | accgccatca  | 1596600 |
| tgccatcttc  | ctttgatttt | ttaaaagcct | caataaaaac | agtaaaactc | ttttcccga   | 1596660 |
| agattgtatc  | gaccgttgct | agacaaaatt | tctcaccctt | cagaaaagga | ctgatttcgt  | 1596720 |
| agaagctatg  | catcgaactg | ggagtgtgtc | ttactactac | ctccaaaggc | aaaaccgaat  | 1596780 |
| ttctcttcat  | ttttgccaga | tgatctttgg | tagcctgaac | ttcatcatta | ataataatga  | 1596840 |
| taacctgctc  | tgccccattc | tttgcaagaa | tatggattaa | acggtcgatc | atagcttctc  | 1596900 |
| cgttcagttg  | tactaatggt | ttaggcaacc | gaatcccttc | ctgagaaagt | ctggaacctt  | 1596960 |
| ccccggctga  | tataattgca | aacttcataa | atgactattc | ttcttctctc | atagtgtcaa  | 1597020 |
| gtttcagctt  | atcgctatca | tcacgttttt | cataatactg | tttacgcaag | ggatgtgcac  | 1597080 |
| tgatttcctt  | ttcgatacaa | cgattgcgga | aaacatccaa | cgctacatat | attgcctgac  | 1597140 |
| ggaaaagaatc | ttctgatgca | ataccttgcc | ccgcaatatc | ataagcagtt | ccatgagcgg  | 1597200 |
| gagaagtgcg  | tacgataggc | aatcctgcag | tgaaattaac | tccttcatcc | atagccaaag  | 1597260 |
| ccttaaacgg  | tgccagtcac | tgatcatggg | acatagccag | aattccatcg | aaatgacgat  | 1597320 |
| aattaccaga  | gcccataaag | ccatcagccg | gataaggacc | aaaacactgt | acgccacgct  | 1597380 |
| ttatcatttc  | ttccatcgcc | ggaataatga | tcgtctgctc | ttcgcttcgc | atcaatccgt  | 1597440 |
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| cctgcttcaa  | tgagcgggtg | aaaatagcca | ttttttccat | tatcagttcc | tgcgctcagat | 1597560 |
| ctttagcaat  | ttcgcttact | ggaacatgcc | cagtcaccaa | agctacacga | aaatcatctt  | 1597620 |
| ttaacaaaaat | catcaaagct | ttctgacctt | ctcctactcg | ttcttcaata | tattcagtat  | 1597680 |
| gaccagggaa  | atggaacgta | tccgactgta | tcgtatgttt | gttgatagga | gctgtcacca  | 1597740 |
| aaacatcaaa  | caatccttca | cgataatccc | tcagcgacat | ttccaaagca | gccaacgccg  | 1597800 |
| cacggccagc  | ctcttggtgc | ggtttagtc  | gtccactttt | caatttctcc | tccgtgcaat  | 1597860 |
| tgataaatatt | cacacgtcca | tcctgagcct | cagaagcaga | gttgatgata | ctgaaatttg  | 1597920 |
| tctgtatatc  | cattgctttc | cgatgataag | ctgccacctt | aggcgagcca | taaataaccg  | 1597980 |
| gcgtacataa  | gtccagcatt | gcaggatcgg | aaaaagcttt | caatatcacc | tcgtagccaa  | 1598040 |
| ttccatttat  | atctccatgg | gtgataccca | cctttatctt | acgttcttcc | atgcttctta  | 1598100 |
| tttattgctt  | gtttgttctg | ctttatgttc | aactttctct | tccgtcaatg | taccatctac  | 1598160 |
| aggatattcg  | gatacagctt | tttctgaagg | taatttcaag | gtatacagag | ctgcattcaa  | 1598220 |
| ccggcgtatc  | tgatcacgtt | tcagttttcc | aggattgtaa | acaaaccctt | ctactacaac  | 1598280 |
| cactcgggca  | ttggcacggt | ccactctcat | ctgtgaaaca | aacggaccac | ccattgcac   | 1598340 |
| gtttttcatc  | tcccacaatc | cgcgagcttc | aaatgcatag | tcaccctgta | cagctatatt  | 1598400 |
| tctcacttca  | acaaaagcag | aatcagccgt | ttccatatac | ataccttcac | gttctcccgg  | 1598460 |
| gatattaatc  | ttcataacag | aatcacgttt | atgaataaaa | tatgctttgg | taaagtgtatc | 1598520 |
| tttgtctctg  | aacgggaaag | tatacatcac | aaaattcaaa | tcattcaggt | tggtagaggc  | 1598580 |
| ccagaaaaag  | tcttttctt  | ctttatacga | ctccatctca | ataggcatcc | agatatcaca  | 1598640 |
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| tacataatcc  | gcaaactctt  | cctgattggg | agcttgaata | gtcataatca  | tttgtggaga  | 1598820 |
| tgaatagaca  | tcacgcgaat  | atttgaattt | cacctgggta | taagctgccg  | gattgatatc  | 1598880 |
| aacaatgatt  | atattacgga  | acaaacgcat | cgtacgatca | taataagatg  | tacgtacccg  | 1598940 |
| tgagatgcgg  | aaagaacggt  | ccggctgcgg | caatccgggt | acatctgtat  | ccagcacatg  | 1599000 |
| ataaagtgca  | ctatcaggac  | tcatccaaca | attatcatcg | gcaacaacca  | atacttcata  | 1599060 |
| cggacggcca  | ctggaagctg  | gagttataag | actctttcca | tctcccttac  | aagaagccaa  | 1599120 |
| tgccagcaca  | acaagtgcc   | aactcagata | aaaggctaaa | cgcttcataa  | tttcgttatt  | 1599180 |
| taattagttt  | cttctttttc  | agcttgctgc | ttagcagtag | acaacattcc  | gcaagcagca  | 1599240 |
| aaaatatctt  | ctccacgcga  | agcacggatg | gtagcaaata | caccatgctg  | tgtagataa   | 1599300 |
| tcacggaacg  | caatcattga  | atccatatcc | gttccttcca | gatcgacatt  | cggaatggca  | 1599360 |
| tgaaaacgaa  | taagattaat  | acggcaatct | agtccacgca | acaatttgat  | caattctttg  | 1599420 |
| gcgtatatca  | tgctgtcatt  | taccctttta | aatacaatat | attcaaaaga  | caaacgacgc  | 1599480 |
| tgtttgctaa  | aatcgtaacg  | cttcaatata | tccactattt | ctgtaataga  | aaaagctttc  | 1599540 |
| tccgccggca  | tcaattcacc  | tcgctgagaa | ggaaacggcg | aatgcaaact  | gacagccaaa  | 1599600 |
| tggaatcgc   | tttctgcaa   | gaaacgctcc | agtccttttc | tcaagccaac  | cgtagaaact  | 1599660 |
| gtgattcgtt  | tcggactcca  | ggcatagcca | taatcagcgg | taagaatttc  | caacgcacgc  | 1599720 |
| aaaacggcat  | ccaagttatc  | aaaaggctct | cccattccca | tgaacacaat  | atttgtcaag  | 1599780 |
| gtatcacgtt  | caggaatgga  | atagacctga | tttaatatct | gcgtaggagt  | caggctattg  | 1599840 |
| gtatatccct  | gtttcccctg  | catgcaaaat | ttacaattca | ttttacagcc  | gacctgtgat  | 1599900 |
| gatacacaca  | acgtagcacg  | atcgatcatg | ggaatatata | ccgattcgat  | ataatcgctt  | 1599960 |
| tccggagtac  | ggaacagata  | ctttacggtt | ccgtcaaccg | aacgcatctc  | atgtaccggc  | 1600020 |
| agagtagctc  | ctacctcata  | attttctttc | aaccgttcac | ggtttttcaa  | cgacaagttt  | 1600080 |
| gtcatctcgt  | ctattgagaa  | aactttttta | tcatatagcc | atccggcgat  | ttgttttgcc  | 1600140 |
| gtaaacgcag  | gcatgcccaa  | atcacgcacg | atactttgta | attcacttaa  | agtttttacc  | 1600200 |
| aacaaagggc  | tttttatatc  | agtcattgtt | ttacagtttt | tgtacaagtt  | gataaataat  | 1600260 |
| ctgcacaaaa  | gaatatttca  | ttctatacat | tagcgtacaa | agttaggcaa  | aaaataagat  | 1600320 |
| atattaccta  | tctttgtcgt  | tataaatgta | ttaaatatga | ataaaacagt  | cacgtgtttt  | 1600380 |
| cttccttatg  | gaagtgaaaa  | tcaatttgat | aaaacaataa | gtgaattact  | gacatgtccc  | 1600440 |
| agtattgacc  | agatattcct  | attgtcagca | cagaccgata | acaaaatcga  | gttgccggac  | 1600500 |
| agatgccatc  | ttttaccggt  | atcgatcagc | gattctaccg | aaaagtataa  | gcaaataagct | 1600560 |
| cagcacaccg  | atactcctta  | tgcgtaata  | tatacccagg | cacaccggtt  | cgaattaggt  | 1600620 |
| tatatggccg  | ttgagcgcat  | gtgcgattac | ctgtctgcac | cacaatgctg  | catgggtgat  | 1600680 |
| gccgatcatt  | ataaagtcac  | acaaggagaa | cggaagccgc | atccggttat  | cgactatcag  | 1600740 |
| ctgggtagt   | tacgcgacga  | ttttgatttc | ggctctttac | tgatgtttcg  | taccgagcaa  | 1600800 |
| ttcaaaaaag  | cagtcgacga  | aattacatct | gaagattcct | accaatattc  | tgcgttatat  | 1600860 |
| gccctgcgtc  | tggccctatc  | ccgatacggg | gaactgactc | atatacggga  | atatctttac  | 1600920 |
| acagaagacg  | aaatcgattt  | acgtaaatcc | ggtgaaaaac | aatttgatta  | tgtagacccg  | 1600980 |
| cgcaaccggc  | aagtacagat  | agaacgagaa | gtagtcttca | cccgccatct  | gaaaaagatg  | 1601040 |
| ggagcctatc  | ttccaccagt  | caagcgacc  | atagatgttg | gtacagagga  | ttttcagtat  | 1601100 |
| gaagcctcgg  | taattattcc  | cgtacgcaac | cgtgttcgta | ccatcgacga  | tgcgattcgt  | 1601160 |
| tccgtactag  | aacaagaaac  | cagctttcct | ttcaatctga | ttatcatcga  | caaccattca  | 1601220 |
| accgatggaa  | caagtgaat   | cattgaacat | taccaaaca  | attctaaagt  | cattcatctc  | 1601280 |
| atacccgaa   | ggactgactt  | aggtataggc | ggatgctgga | acttaggaat  | caatcatccg  | 1601340 |
| caatgcggcc  | gtttcgctgt  | tcagttggat | agtgcagatt | tatacagcag  | ccccaatacc  | 1601400 |
| ctgcaaacca  | ttgtcgacaa  | attccaccaa | gagcaatgtg | ccatggatcat | cggttcctat  | 1601460 |
| cgtatgacag  | actttgcctt  | gcaaaccctt | ccaccgggag | ttatcgacca  | caacgaatgg  | 1601520 |
| accgacgaaa  | acggacataa  | caacgcatta | cgtatcaatg | gtctgggagc  | tccccgtgca  | 1601580 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ttttacaccc  | ctctcctacg  | acaaatccgt  | gttcccaata  | ccagttacgg  | agaagattat  | 1601640 |
| gcccttgggc  | tggctttctc  | gcgtaactac  | cgtatcggac  | gtatctacga  | cgtattatat  | 1601700 |
| ttgtgccgta  | gatgggaagg  | caattccgat  | gcagcattaa  | gcattgaaaa  | ggtcaatctg  | 1601760 |
| aacaacagtt  | ataaagacag  | tctgcgcacc  | ttggaaatca  | agatacgaca  | gacaatggaa  | 1601820 |
| aaggagagac  | aaccgggcca  | atcattcctt  | gaaagtcaac  | tggccaaatg  | gcaaacagca  | 1601880 |
| cggaccaatc  | acgaagctct  | tgataaaata  | gaaacacgca  | cattcgaggt  | aaacggcaat  | 1601940 |
| gacataaccg  | tacaattcaa  | tccagcacgc  | gctgtttcta  | catgtgctaa  | ggttgacaag  | 1602000 |
| gcatccatag  | aggcacgacc  | atgcttcttg  | tgttccgaaa  | acaagcctaa  | aggacaagat  | 1602060 |
| gaaatcatca  | tttcattgga  | cgaacctttc  | agcctacgtg  | tcaatcctta  | tccgattctt  | 1602120 |
| catggacatc  | ttacgatatc  | cagcctgaag  | catcaggatc  | agatacttgc  | cgacaagacg  | 1602180 |
| gaacgtcagc  | ttcccggacg  | tttggtgaac  | tggcttgaaa  | aacatthttgc | ctccggatat  | 1602240 |
| gccttggtct  | ataacggagc  | aaaatgcgga  | gcctctgctc  | ctgaccattt  | ccatttttcag | 1602300 |
| gccgcacgac  | aaaatgatat  | tcctttgatt  | cgctcagtga  | acagactctt  | gtctaccgct  | 1602360 |
| gtctgcacaa  | aagagctaaa  | aatgggcaac  | ggaagtacat  | gccgttctta  | tcagatgacc  | 1602420 |
| aattatatct  | gcccgttcca  | ggcttttggt  | actgaacact  | ccatgacaac  | aagtccggaa  | 1602480 |
| ctgatagaag  | aatatattaca | gacgcttccg  | gtacacgacg  | gagagagtga  | accagatac   | 1602540 |
| aattttatttg | catggaacga  | ccctgtacgc  | ggttttaccg  | tagtctacct  | tccaagagaa  | 1602600 |
| aaacatcgct  | ccgcctgtta  | cacagcgacc  | ggtaaagacc  | aacttctcgt  | cagcccggga  | 1602660 |
| gcactcgata  | tggcaggatt  | attagtcact  | ccccgcaagg  | aagattttga  | taaaataaca  | 1602720 |
| gaacaagaca  | ttttacaaat  | atataacgaa  | gtagcatacc  | ataattaaca  | caatagcgca  | 1602780 |
| tcatgaaaga  | accagaaata  | agcgtgggta  | tcgtcaatgc  | ccaagagatt  | catttttacc  | 1602840 |
| tcaactcaca  | tttcctggcg  | aaaggtgaaa  | ctgtaaccgg  | taatcagggt  | gtgtcctttg  | 1602900 |
| aagaaggagg  | aatcttatgg  | aacggcaacg  | tataccgaga  | gctcacattt  | actccggtag  | 1602960 |
| aagatgaagc  | ttccttttct  | ctatacgacg  | taaccatagg  | aattaacttt  | cattgggaac  | 1603020 |
| gccaggaaac  | acaacatttc  | aacggtacac  | ttaagctagt  | ggtagatgaa  | ggaaaaatta  | 1603080 |
| cagccatcaa  | tatatgtgca  | gctgaggatt  | acctgatcag  | cgttatttcg  | tccgaaatga  | 1603140 |
| atgcgacttc  | ctcgcccga   | tttctgaaag  | cccatgccgt  | tatttccaga  | agctggctac  | 1603200 |
| tggcccagat  | agagaaacga  | aaggctatga  | gcaagcatga  | taatggattt  | ttttctttca  | 1603260 |
| tcaagacaga  | tacagaatac  | attcgctggg  | atgatcgaga  | agaccatacc  | atcttcgatg  | 1603320 |
| tatgtgccga  | cgatcattgc  | caacggtatc  | aggggtataac | caaagcctcc  | aacaagagtg  | 1603380 |
| ttgtcgaagc  | agttaaagcc  | acaaaagggc  | aggttttgat  | gtataaaaac  | agcatctgcg  | 1603440 |
| acgcacgctt  | ttccaaatgc  | tgccggaggg  | taaccgaagt  | attcaatact  | tgctgggaag  | 1603500 |
| ataagaacta  | cccgtatctg  | agtgccgtac  | gcgatacgaa  | agaagaagga  | gtattacccg  | 1603560 |
| acttgactca  | agaaagcgaa  | gctgaaaatt  | ggatacgacg  | tactcccga   | agtttttgct  | 1603620 |
| gtacgcacga  | caaagccatt  | atctcgcaaa  | ttctgaataa  | ctacgatcag  | gaaacaacta  | 1603680 |
| atttctaccg  | ctggaaagtc  | cgggtatacac | aggaagaatt  | agccgaactg  | attcgacgca  | 1603740 |
| atacaaaaaa  | taattacgga  | aaaatcatcg  | atcttatttc  | agtagaacga  | ggaaagtcgg  | 1603800 |
| gacgtatctg  | caagctgaaa  | atagtcggga  | cagaaaaaac  | actcatcatt  | gggaaagaac  | 1603860 |
| tggaaatacy  | ccgcacacta  | tctcctactc  | atttgttcag  | ctcagccttt  | atcgtagaca  | 1603920 |
| agggagagac  | agatgccgac  | ggaatacctg  | catggtttga  | actgacagga  | gccggatggg  | 1603980 |
| gacatggtgt  | aggcttatgc  | caaatcggtg  | cagctgtaat  | gggtgagcaa  | ggatataact  | 1604040 |
| acaatgaaat  | cctgcttcat  | tattataaag  | gagcagacat  | aagaaaaatg  | tattaaaaca  | 1604100 |
| ctaactgaa   | aaagcaatct  | ccctggtcgt  | gggtcccga   | gctttatttc  | gccgaaggat  | 1604160 |
| taccttacat  | agcagtcag   | accctgtcgc  | ttgtcatgta  | taagcgcatg  | ggtatttcaa  | 1604220 |
| atacagaaat  | cgctctctat  | acaagctggc  | tgaatctgcc  | atgggttatc  | aaacccttat  | 1604280 |
| ggagtccatt  | tgctgatttg  | ctccgtacca  | aacgctgggt  | gattacactg  | atgcaactgt  | 1604340 |
| ttatcggagc  | cggactggca  | ggaattgctt  | tcactatttc  | taccgaacat  | ttctttcagg  | 1604400 |
| caacgcttgc  | catcttctgg  | cttatggcat  | tcagttctgc  | aaccacgac   | attgcagccg  | 1604460 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| acggattcta  | tatgctggga  | ctgaatactc  | acgaacaggc  | cctattcgtc  | ggcatccgaa  | 1604520 |
| gtacctttta  | ccgaatagca  | accatcgccg  | gacaaggctc  | gctgggtgatg | ctcgccggat  | 1604580 |
| acctggagag  | aagcactgca  | aacattccgt  | atgcatggag  | catcactttt  | cttgacttgg  | 1604640 |
| caggcatatt  | ctttgcgcta  | tggatttacc  | acagcttcat  | cctgccacgt  | cctgcaaattg | 1604700 |
| ataaagccgc  | tgtcgaaaca  | tctgcttctg  | ggttgcttaa  | ggaattttta  | ttgacattcc  | 1604760 |
| gttcgttttt  | ccggaagag   | caagctggta  | ttgccattct  | ttttatgttg  | ctttatcgct  | 1604820 |
| taccggaagc  | ccaactggca  | aagatgagca  | ttccttttct  | gcttgatccg  | acttcggagg  | 1604880 |
| gtggtctggg  | catgacaacc  | gaacagattg  | gatttactca  | aggtacagtc  | ggaatcatcg  | 1604940 |
| gacttacgct  | aggaggcatc  | ttaggaggaa  | tggcagtggc  | acgacatgga  | ttgaagcaat  | 1605000 |
| ggttggtgta  | catggtatgg  | gcaatatcac  | ttcccgatct  | ggtttatgtt  | tttctaagct  | 1605060 |
| attttccgga  | aacaaaccta  | ctgtggatca  | atgtctgcat  | ttttatcgaa  | cagtttggct  | 1605120 |
| atggatttgg  | gttcacggca  | tacatgctgt  | atctcattta  | tttttcccgg  | ggaagtcaca  | 1605180 |
| gtacggcaca  | ctacgccatc  | tgtacagcat  | ttatggcatt  | gggcatgatg  | cttcccggca  | 1605240 |
| tgatagccgg  | atggatgcag  | gagcttttgg  | gatatcagca  | cttcttcctc  | tggatcatgg  | 1605300 |
| tatgctgtgc  | cgcaactttc  | ggcgtaactg  | ccctactgaa  | aatagatcct  | gaattcggga  | 1605360 |
| aaaagcaggt  | cgaataaacg  | gttttcaaaa  | atcccgcgca  | caaatatgaa  | aaaacatcac  | 1605420 |
| cggaaaatttt | atagtttccg  | gtgatgtttt  | ttctcattta  | taggaacgaa  | atgtatcctt  | 1605480 |
| tacggacaaa  | gctcctttag  | cgtttcttct  | caaatacctg  | caaattctcc  | attttcttag  | 1605540 |
| cttcaaggaa  | ctcatagata  | ccacacagat  | gttctttcac  | acgctgatta  | caaattcat   | 1605600 |
| acaccttggg  | aaccaggccg  | tcaaggaagt  | cacgatcggt  | agataccaca  | atcagcgttc  | 1605660 |
| cgtcgaaatc  | catcaatgcc  | tgtttcagaa  | tatcttttgt  | cttcatgtca  | agatgattgg  | 1605720 |
| taggctcatc  | cagaatcaac  | agattcacgg  | gttcaagcaa  | caacttgatc  | attgccaaac  | 1605780 |
| gagtacgttc  | tcctccggaa  | agcactttta  | ctttcttcat  | cgatttcctc  | ggtccaccaa  | 1605840 |
| acataaaggc  | tccaagcaga  | tcgcgtatct  | tgtttcggat  | ttctcctttc  | gccacatcat  | 1605900 |
| cgatagtctg  | aaaaacggtc  | agatttctcat | ccagcaaaga  | agcctgattc  | tgcgcaaagt  | 1605960 |
| aaccaatctg  | tacgttgtga  | cctaagggtca | gtgtaccttc  | atgttcgatc  | tctcccatga  | 1606020 |
| tacattttac  | caacgtagac  | ttaccttctc  | cgtttttccc  | gacgaaagcc  | actttatcac  | 1606080 |
| cacgttcaat  | cgtagatc    | gcattccgga  | aaacaacgtg  | gtcaccatac  | gtcttgccca  | 1606140 |
| ccccttccat  | aatgaccgga  | taactgccgc  | ttcggggaga  | aggcggaagt  | ttaaggcgaa  | 1606200 |
| gcgccgaagt  | atcttcttca  | tccacttcaa  | tcagttccag  | cttctccagc  | atcttcacac  | 1606260 |
| ggctttgtac  | ctgaagcgct  | ttactgtatg  | ttcctttgaa  | acgttcgatg  | aaatctttcg  | 1606320 |
| tttctgaat   | catcttctgc  | tgctcttcgt  | attgcttcat  | ctgttggtcg  | cgacgttcct  | 1606380 |
| tacgcagcac  | aagatactgt  | gaatagttaa  | ccttataatc  | gtagatacgt  | cccacgtca   | 1606440 |
| cttcaatggg  | acgtgttgta  | atattgtcga  | caaacttacg  | gtcgtgactg  | ataaccacca  | 1606500 |
| ccgccttggc  | actattaatc  | agaaattctt  | ccagccagcc  | gatagactca  | atgtccagat  | 1606560 |
| gattggtagg  | ctcgtccagc  | aacaacacat  | ccgatttctg  | caacagcaac  | ttggccagtt  | 1606620 |
| caatacgcac  | gcgccatcct  | ccgctgaaat  | cgctggtagg  | acggttgaag  | tcttcacgcg  | 1606680 |
| taaaaccgag  | accgagcaaa  | gctttctcca  | cgctcttctc  | aaaatgagtc  | atatcgatgg  | 1606740 |
| cgtaaaactt  | ctcgtcatc   | gctgcaactt  | tctctatcag  | ttccatgtac  | gaatcgctct  | 1606800 |
| cataatcggg  | acgggtagcc  | agttcggtat  | tcatgcgctc  | tatttctctt  | tccatttcgc  | 1606860 |
| gaaggtagc   | aaaagcctgc  | gatgcttctt  | cgaataccgt  | acgtccgtct  | tctgtcatca  | 1606920 |
| gatgctgagg  | caggtaagca  | accacacagt  | ctttgggcgc  | cgttactttt  | ccacgcgttg  | 1606980 |
| gctgacgtac  | tcctgccaat  | attttcaaca  | aagtcgattt  | tccagcccca  | ttctttccca  | 1607040 |
| tcagggcaat  | acggtctctt  | tcattaatct  | gaaaactaat  | gtcactaaat  | aagggtggttc | 1607100 |
| cgccaaactc  | gacggtgaagt | ccatctactg  | aaatcataaa  | attttacgtc  | ttagtatata  | 1607160 |
| aattacatca  | tttaattcaa  | aagaggcaga  | caagtcctcc  | cgcccgtttt  | tattctcatc  | 1607220 |
| ggctgtctgc  | ttctcatatt  | ataccttcca  | tccaagccaa  | taaattccag  | caaggatcgc  | 1607280 |
| tccctattac  | gaatccaggc  | tcacaatttc  | ctgcaaaaata | cggacagccg  | attctacatc  | 1607340 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| agtaatatct  | tttacaatca  | tgctgcgacg | cccgttctgt  | tcacgcaagt  | tgcatacccg  | 1607400 |
| cggatacttt  | gccatgtaat  | cgataatctt | accgaaagca  | gcactctgat  | aatacgggct  | 1607460 |
| atccggattg  | cttacaaaat  | aaagaatcat | cttaccaccc  | ttcagcacag  | ccttctctac  | 1607520 |
| accaaggcgc  | tttgccagac  | gacggagagg | tacaatacgg  | atcagttctt  | caccttcagg  | 1607580 |
| cggaatcttg  | ccaaagcggg  | ctaccagacg | tgcttgaag   | gcctccacat  | cccggtcgag  | 1607640 |
| ttccaattta  | tccagttcac  | gataaagcaa | cattcgttca  | ctgctgctcg  | gaatatattc  | 1607700 |
| gttggggaac  | aacaattcca  | gatcactttc | cacggtacat  | tcgtcaacga  | aatcttcgcc  | 1607760 |
| gctgatcttt  | tcctctccag  | ccttaatctc | atcggcataa  | aggtcggcaa  | actcatcatt  | 1607820 |
| cttcagttcc  | gtcacagctt  | ccgacagaat | cttctgataa  | gtttcataac  | ccaggtcggc  | 1607880 |
| tataaagcca  | ctctgttcag  | ctcccagcat | attaccggca  | ccacgaatat  | ccaggtcctg  | 1607940 |
| catggcaata  | tgtataccac  | ttcccagatc | gctgaaatth  | tcgatagcct  | gaagacggcg  | 1608000 |
| cttggcttcg  | ggagtcaaag  | acgacaaagg | aggagccagc  | aaataacaga  | aagccttctt  | 1608060 |
| gttgcttcgt  | cccacacgtc  | cacgcatctg | atgcaagtca  | ctcagtccaa  | agttctgcgc  | 1608120 |
| ctgattgata  | ataatcgat   | tggcattcgg | gatatcaatt  | ccactctcga  | taatggtagt  | 1608180 |
| ggcaagcagt  | acatcgtaat  | cataattcac | aaaaccgaag  | ataatctttt  | ccagctcttc  | 1608240 |
| gggctgcatc  | tgtccatgac  | cgatacaaac | acggcaatcc  | gggatgttac  | gcacgatcat  | 1608300 |
| tgctttcagt  | tctaccaagt  | tctgtatgcg | attattcaca  | aagaacacct  | gaccggttacg | 1608360 |
| gctcatttca  | aagttaatcg  | cttccgtaat | gatttcttcg  | ttaaactgat  | gcacctcggt  | 1608420 |
| ctgaatcggg  | taacggttgg  | gcggcggagt | ctggataacc  | gacaagtcgc  | gggctcccat  | 1608480 |
| caacgagaa   | tgaagtgttc  | gcggaatcgg | tgtagccgtc  | atggttaagg  | tatctacatt  | 1608540 |
| caccttaatc  | tgacgcagtt  | tttctttcac | actcactccg  | aacttctgct  | cctcatccac  | 1608600 |
| aatcagcaag  | cccaggtcgt  | gaaacttcac | gttcttgccg  | ataatcttat  | gtgtacctat  | 1608660 |
| caagatattg  | atcgtacctg  | cttccagttc | cttcaggatg  | cgggacgtat  | ctttcgccgt  | 1608720 |
| acgggacacg  | ctcagatatt  | ccactttgca | aggcattcct  | tccaaacgct  | tgctgaagggt | 1608780 |
| ctgataatgc  | tgataagcca  | gtaccgtagt | aggcacaagc  | actgcgacct  | gcttattatc  | 1608840 |
| ggctacagcc  | ttgaaagctg  | cacgtatggc | aacctccgtt  | ttaccaaagc  | ctacatcacc  | 1608900 |
| acataccaga  | cgatccatcg  | ggcggtcact | ttccatatcc  | gctttttacct | cctgagtggc  | 1608960 |
| tttcaactgg  | tcgggagtat  | cttcataaat | aaaacttgct  | tccagctcat  | gctgcaaaaa  | 1609020 |
| gctgtcggga  | ctatacttga  | atcctttttc | ctgcttacgc  | tgcgaaataga | gttttatcag  | 1609080 |
| gtcgcgggca  | atataccttaa | tcttggtctt | tgtgcgctcc  | ttgattttct  | cccatgcccc  | 1609140 |
| cgtacccaac  | ttactgatac  | gaggctgttc | accttcctta  | cctttgtatt  | tggaatctt   | 1609200 |
| atgcagagaa  | tgaatggaaa  | caaataccac | atcgtcattc  | tgataaacca  | gcttgatgac  | 1609260 |
| ttcctgcgtc  | gtatttccat  | tcggaatacg | caccagtccg  | gcaaactttc  | cgataccgtg  | 1609320 |
| gtcgaatgt   | accacatagt  | cgcccggctc | aaacatattc  | aactccttca  | acgaaagcgc  | 1609380 |
| aacttttccg  | cttctggcct  | tgtcactgcg | caagttgtat  | ttatggaaac  | ggtcgaatat  | 1609440 |
| ctgatgatcg  | gtaaaaatac  | agcaatgcaa | cgatgggtcg  | atgaatcctt  | cgtgcaagggt | 1609500 |
| acgggtctaca | gctgtaaaact | ctattttatc | gcctcgttca  | cggaaaatat  | caaccagacg  | 1609560 |
| gtcggctctgt | tttactactgt | cagaacaaat | gtataaagta  | tatccccgct  | gcaagtaatc  | 1609620 |
| cgtcaaggta  | cttgccacca  | aatcaaaatt | cttatgaaaa  | ataggctgaa  | tagacgtatc  | 1609680 |
| aaacttcagt  | gtggcctgag  | gtgtcccagc | tgcttctatg  | ccgaaatcaa  | tccgccggaa  | 1609740 |
| atccagtgat  | tctgtcgtaa  | attctgtctc | gtctatcagc  | ttgcgttcca  | gattcatcaa  | 1609800 |
| atcagtctgt  | tcgccttcgt  | aagcggtcag | tgctgtgggc  | gaaaaaactt  | catcgtgtac  | 1609860 |
| tatctgaata  | cgttcacgca  | cccacgacaa | atctttcacc  | cacaaaaccg  | tttcacgcgg  | 1609920 |
| aataaaaactc | agcaaaactga | tatccccatc | cacggcctgt  | gccagttccg  | gaacaatgct  | 1609980 |
| gactgaatct  | tttttctcac  | gcgacagctg | gctttctact  | tcaaacgttc  | ggatactatc  | 1610040 |
| tatttcatcc  | ccgaaaaagt  | ctattcggta | aggatattcg  | gaagcaaaaag | aataaacatc  | 1610100 |
| aattatgctt  | ccacgagtag  | caaactgtcc | cggttcgtat  | acatagtcta  | catgctcaaa  | 1610160 |
| gccataatcg  | gatagcgtct  | tggttattht | ctcggatatca | atatgctgtc  | cgacgttcag  | 1610220 |

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|             |             |            |             |             |              |         |
|-------------|-------------|------------|-------------|-------------|--------------|---------|
| tttcagagtt  | ttatcactca  | atactttttg | agaaacgacc  | ttttcggcca  | gtgcatcagg   | 1610280 |
| ataagtcacc  | acagccaccg  | gatcattctt | ttccaagcgg  | ctcagcactt  | cagtacgaag   | 1610340 |
| tatctcgttg  | gcagcatctt  | tctgtccgta | tttaatggca  | cgccgataag  | aagaaggaaa   | 1610400 |
| gaacaaaatc  | tgctcatctc  | cattcacctg | caccatatcg  | tgatagaaat  | atccggcctc   | 1610460 |
| ctcctgatcg  | ttcaaaatga  | aaagatacac | acccgggtact | gccttgataa  | agcaagaggc   | 1610520 |
| aaacagagag  | gcacacgaag  | catgcattcc | ctccaaaaat  | acagtgcgga  | tatcattggt   | 1610580 |
| ttgcaaagt   | ttcgccagcc  | cctccacggc | aggatgacga  | gtataacgcg  | attgaagttc   | 1610640 |
| agttatttcc  | attgttttcg  | tctatagtaa | agtttagttg  | tctccttgtc  | acacaagaca   | 1610700 |
| aaaaggtaac  | ttttggtaaa  | ccatgcaa   | ttataaaaata | attgctacat  | ttgcagttac   | 1610760 |
| ctaatacagat | aaatcacttt  | tatgtacaac | gatgtcatcg  | aatacctaga  | ccaaaaacga   | 1610820 |
| gtgaaagaag  | cactcgtaca  | actcgcagct | ttggctcacg  | aagccgacaa  | ctggaaattg   | 1610880 |
| tcatacagaaa | tagagaattt  | gcaaacaacg | tatagttaca  | tgctacaata  | tgcttcccaa   | 1610940 |
| ggtatggaag  | atccagagag  | aaacaagttg | tatcacaagt  | taatacgtag  | agcatacgaa   | 1611000 |
| cttgccgaca  | gtgcagagtt  | catacgcaaa | catcattccg  | gcaatggata  | tcagcaaggg   | 1611060 |
| aaatatcgcg  | ttatgcaaca  | attcgaatcg | aaaagtttcc  | gcgattattg  | cctcagcctt   | 1611120 |
| gaagcattca  | gtgaagattt  | gggtatggca | caaatttcaa  | tcattggacga | aacacagcgc   | 1611180 |
| agccaatcga  | taaacgacat  | ctatgccgcg | catgaaaaag  | acgtaaccga  | aatgttcgac   | 1611240 |
| aagatatggc  | tatcaacaca  | ctggacggat | gaagacctgg  | atggagctac  | ggctatatattg | 1611300 |
| gaatcactgc  | ttgttcctgc  | aaacgacatc | gccgtaatga  | taagtgtctat | tacgtgaac    | 1611360 |
| ctactacaat  | tattcgacag  | ccgcaagttt | cagttccctt  | taaaggccta  | tcagattcat   | 1611420 |
| agtgaagcca  | tcgtgacaca  | acgtgccttg | acaggcattg  | ccctgactgc  | ttattatcag   | 1611480 |
| gaaaaacgat  | tgaatttata  | tcccagatta | gtagaagctt  | tgctacttct  | aaacgattct   | 1611540 |
| actcccatag  | ccaaagaatt  | gaacaaaatt | caaatcatat  | tgctgctctc  | gcatgaaact   | 1611600 |
| gaaaaaattg  | aaaagaaaat  | gcgtgaagag | attattccca  | atatgaagat  | ttcgccggaa   | 1611660 |
| atgatgaacc  | ctggacaaaa  | aatatttgac | atggaagatt  | tggaagataa  | aaaccagaa    | 1611720 |
| tgggaaaagg  | aaatcaaacg  | agtgaagaa  | tatctgcacg  | aactgggagc  | gctacagtcg   | 1611780 |
| gaaggagccg  | atacttacat  | gagcgccttc | tcgcaactga  | agtcgtacc   | gttcttccgt   | 1611840 |
| caggcagccc  | actggttcta  | tccgttcgat | cgccagcagc  | cagatgttgc  | ccaagtcttt   | 1611900 |
| aaaaggaaaa  | acatagacgg  | agagaaatct | attatcagca  | cacttatgga  | ttcgactatg   | 1611960 |
| ttctgcaatt  | cggacaaata  | ttctttctgt | ctgaccttgc  | aaaacatacc  | ttccgaccag   | 1612020 |
| ctggagttac  | ttgctacaga  | gtttaatatg | caaaatgaaa  | tgattggaga  | aggacaaaac   | 1612080 |
| ccacttgctg  | aatatataca  | agctgaaaaa | aaatccgaaa  | atgtctgccg  | tcaatatata   | 1612140 |
| cacgatttgt  | atcgcttttt  | caagttgtgg | atgtaccgta  | gcgaaatgca  | cgacatcttt   | 1612200 |
| accgacgatc  | ttgtcttttg  | gaaatgtgaa | gttctgaaac  | cgctgataca  | tacgcaagaa   | 1612260 |
| tcgctgaagc  | acatagccga  | gtatctgttt | tcgaaagaat  | attttgaaca  | agcatgcgaa   | 1612320 |
| atatataatg  | aactcttaca  | atacgacaac | ttgaacgacg  | atttctggcg  | caagacagga   | 1612380 |
| ttctgttacc  | agaaaatgaa  | agcatattct | aaggcattgc  | aggcctatga  | gcaagcagat   | 1612440 |
| ttactgaaac  | cggaccatgt  | atggacatta | aagcaaattg  | cacagtgcaa  | caaacgcaa    | 1612500 |
| cagcaatatc  | agaaagcttt  | ggagtgttta | tataaaattg  | aatccatgca  | accggagaa    | 1612560 |
| ctgaacttac  | ttttgcaaat  | cggacaatgt | ctggctaata  | ttcgcatgta  | tgacaaggcg   | 1612620 |
| ctaacctatt  | tttttaaagt  | ggaatatctg | gataaagctc  | cagcaaattgc | tcaacgagct   | 1612680 |
| ataggatgg   | gctatttcat  | gactggaaaa | tacgatgatg  | caaatcgttt  | cttcgacaaa   | 1612740 |
| ttattacgct  | cagacgaatc  | acaatcgtcc | gactggctga  | atgccggaca  | tgtttatctg   | 1612800 |
| gcacaaaaaca | acatccaacg  | ggcacttgaa | tgttaccgtc  | atgttgaaag  | cacttgcaaa   | 1612860 |
| acacacgatg  | aattcatgaa  | gctctatctt | gcagacaagg  | ctgcactgct  | ggaacaaggc   | 1612920 |
| attctagaag  | agaacattta  | tttagttgcc | gacatgctat  | aataaaaaaac | tccctcatgt   | 1612980 |
| cctttcgctt  | tgcgaaacaga | aagacatgag | ggaatcttta  | ttttactaaa  | atacttactc   | 1613040 |
| ttcggcgaac  | tccttgatgc  | gttgttcttc | actcagccgg  | caaatacagca | acgtatcgtt   | 1613100 |

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|             |             |            |            |            |             |         |
|-------------|-------------|------------|------------|------------|-------------|---------|
| tttctctgcc  | acaatatatc  | cgtccaaccc | ctgcacaaca | actttcttct | cctgggtagt  | 1613160 |
| atgaataata  | caatttcttg  | tttcaaaaag | tttgatgttt | tcaccaatac | acgcattatt  | 1613220 |
| atgcgaatct  | tttcttgaat  | tttccagtaa | ggagccccat | gtccccaaat | cactccatcc  | 1613280 |
| aaacgaagcc  | gggaatacat  | aaatttcttc | cgctttctcc | ataatcgcat | agtcaactga  | 1613340 |
| aatattctcg  | catgtaggaa  | atagttcatc | aatcatctcc | tgttccttgt | ctgtataaaa  | 1613400 |
| ataaggaagc  | atacgttcaa  | acacttctgc | catcggaggc | tgataaacac | gcaacgcatt  | 1613460 |
| gacaatggta  | ctgacattcc  | atataaagat | tccagcattc | cagaaataat | ttttacgctg  | 1613520 |
| aagataacgg  | cgagccactt  | ccaaatcggg | cttttcctta | aaagcatcaa | cccgatatat  | 1613580 |
| ttctttgtta  | gacggacatg  | ccatcgacaa | atccgcttca | atatatccat | atcccgtttc  | 1613640 |
| cggacgagtg  | gccttcattc  | ccaacgtaac | gattgcatca | gaatcggccg | taaatttcat  | 1613700 |
| agccgaattg  | ataacccgga  | caaattctct | cacatccatc | actacatgat | cgctgggagt  | 1613760 |
| tactacaatg  | tttgctcttg  | gattttttgc | cttaatcttc | caacttacat | aagctataca  | 1613820 |
| aggcgccgta  | ttacggcggc  | aaggctcaag | cagaatatga | tccggcaaaa | cgtcgggcaa  | 1613880 |
| ctgctccttt  | actacatctg  | cataaatggc | cgacgttacc | acccatatat | tttcaggagg  | 1613940 |
| acaaatacct  | tggaatcgat  | ctatcgtaag | ctgaagcaat | gtccgtccgc | atcccaatat  | 1614000 |
| atcaataaat  | tgtttcggca  | tttgaggagt | actcataggc | caaaaacgac | tgccctacacc | 1614060 |
| tcccgccata  | attaccacat  | gattgttcat | taaagtcata | accatgaatt | ttaagtccac  | 1614120 |
| atgcaaataat | agctttatatt | tgacaaaata | aaatatccca | actgataaaa | atcagctggg  | 1614180 |
| atagggagaa  | tggttttata  | aaacctatta | gcaatacata | tttacaatag | cctcatacaa  | 1614240 |
| ttcctgcttt  | ccactagtct  | gtttcgggtc | accgttaacc | tttgcataat | taacaagatc  | 1614300 |
| ttccagagtc  | agcttacctt  | cttcaaattc | tttaccctta | ccagaatcga | acgaagcgta  | 1614360 |
| acggtctgcc  | agcattttct  | tataaggaga | ttcttccagc | aatttagctg | cactcagcaa  | 1614420 |
| agcacgagcc  | atcacgtcca  | taccagagat | gtgtgcaatg | aaaatatctt | ccaaatcggg  | 1614480 |
| agagttacgg  | cgagtctttg  | catcgaaatt | agtaccacca | ttgcccacac | caccgttacg  | 1614540 |
| gataatctgc  | atcatagcct  | gagtcagttc | gaaattatct | atcggaact  | ggctctgtatc | 1614600 |
| ccatccgttc  | tgatagtcac  | cacggttggc | atcgatagaa | cccagcatat | cattgtccac  | 1614660 |
| agcaacagcc  | agttcgtggt  | cgaaggatg  | tccagccaat | gtagcgtggg | ttacttcgat  | 1614720 |
| atttacttta  | aagtctttat  | ccaagttatg | agctttcaag | aaaccgataa | cggtttctgt  | 1614780 |
| atctacatca  | tactgatggt  | tagtcggttc | catcggtttc | ggttcaacca | ggaaagtacc  | 1614840 |
| cttgaatcct  | ttggcacgac  | catagtcacg | agcgatggtc | aacatctgtg | ccaagtgttc  | 1614900 |
| cttttcacgt  | ttctgatcgg  | tattcagcag | tgacatgtaa | ccttcacgtc | cgccccagaa  | 1614960 |
| cacatagtta  | gtaccgcccc  | gttcgatagt | tgcatcgata | gcattcttaa | tctgaacagc  | 1615020 |
| tgcacgagct  | acaacgtcga  | agtcaggatt | tgttgcagca | ccgttcatat | aacgggcatg  | 1615080 |
| accgaataca  | ttcgtgtgac  | cccacaacag | tttgatacct | gtttcagcct | gtttttgttt  | 1615140 |
| tgcataagca  | acgatctctt  | tcaaatttgc | ttcatattcc | tcaatcgtat | cagcctcatc  | 1615200 |
| gcacaagtct  | acatcatgga  | aacaatagta | ttcgataccc | attttctgca | taaattcgaa  | 1615260 |
| gcctgcatcc  | attttatctt  | ttgcagcctg | aagcttgtcc | ggatttgttt | tccacgggaa  | 1615320 |
| tttctttgtt  | ccaccgccaa  | actggtctcc | accttcagca | cacaaagtat | gccaccatgc  | 1615380 |
| catagagaac  | ttcaaccagt  | ctttcatctt | cttgcccatt | actactcttt | ctgcatcgta  | 1615440 |
| atagcggaac  | gccagcggt   | ttttactttc | tacaccctca | aattttattt | taccaatacc  | 1615500 |
| gggaaaatac  | tcttttgttg  | ccatagctat | attattaatt | ttaaagttaa | tgattttattt | 1615560 |
| tgtcttagat  | tattagatta  | tattgtcgac | tccaacagaa | agacgggccg | attaaatttt  | 1615620 |
| atctacatac  | gaaagccagt  | gctgataagc | atcctcataa | gcagccttgt | tggttaagatt | 1615680 |
| aggctctata  | acagccaact  | tatctaactg | agcaaagtgt | tcgttatgat | ccttgtaaat  | 1615740 |
| accagctccg  | atacctgcac  | ccttggtctg | tccaaccgaa | ccatccgtat | cgtatagttc  | 1615800 |
| aatggtagct  | cccgtcactc  | cagccagcgt | atcgcggaat | atcggactca | ggaacatatt  | 1615860 |
| ggcatgtccg  | gcatgaatct  | tgcgtaactc | cattcccata | ccctccatga | tatcgatacc  | 1615920 |
| atatttgaaa  | gagaacacga  | tacctctctg | ggccgcacga | ataatatgat | tacgtgtatg  | 1615980 |

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|              |             |             |             |             |             |         |
|--------------|-------------|-------------|-------------|-------------|-------------|---------|
| cagattaaaa   | ttgattccat  | tgatggaaca  | tcccgtttcc  | cggttctgca  | acatacgctc  | 1616040 |
| tgccgccgttg  | ccaaaaggca  | gaatactgat  | acctcctgaa  | ccaataggag  | cctgggcagc  | 1616100 |
| cagttcgttc   | atctcgcat   | acgaaacgcc  | tgccggcaca  | accgtacgtt  | taaccacaaga | 1616160 |
| attcaagata   | cctgttccgt  | tgatacaaag  | taaaactcct  | aaacgagtcc  | gttctgtgtg  | 1616220 |
| atggtttaca   | tgagcaaagg  | tattgacacg  | cgattgtgga  | tcatagttca  | ccgcaccatt  | 1616280 |
| cacgccatac   | actacgccc   | atgttccggc  | agtagaagct  | atctcaccg   | gattgaatac  | 1616340 |
| attcagtgac   | agcgcattgt  | tcggctgatc  | gcccgcacgg  | tatgtcaccg  | gagtaccttc  | 1616400 |
| cttcaagcct   | agttcagctg  | cagcaaaagt  | cgtcacacgg  | ccttgctcgg  | agaatgtcgg  | 1616460 |
| tttaatatagct | gctatgagt   | aactgtcgaa  | tccataatac  | tccatcagga  | atctagccac  | 1616520 |
| ctcgttggtc   | ttgaaatccc  | agaacatacc  | ttccgaaagc  | ccgggtaccg  | tggtacaaac  | 1616580 |
| ctcaccggtc   | agcttcatgg  | caatgtaatc  | gcccgggaagc | ataatcttgt  | caatccgagc  | 1616640 |
| gtaaatttcc   | ggttcatttt  | cttttaccba  | agcaagcttc  | gatgccgtaa  | aattaccggg  | 1616700 |
| agaattcagc   | agatgagaaa  | ggcatcgctc  | ttcaccaggt  | gaatggaaa   | ccttttctcc  | 1616760 |
| atacggcacg   | gcacgggagt  | cgaccagat   | aattgccgga  | cggagtacct  | gctgattctt  | 1616820 |
| gtctacgcaa   | accaagccat  | gcattctgata | agatattccg  | atagccgcaa  | tatcttctct  | 1616880 |
| gcgtatgcta   | cttgcattcc  | tcacgtcctg  | cgtagccaat  | ttcagggttg  | cccaccacat  | 1616940 |
| ttccgggttc   | tgttcagccc  | atcctggctg  | tacagcgata  | atcttctgctt | ccgttttctgg | 1617000 |
| ataaaaagca   | gaagcaaac   | atctaccact  | ttcggcattg  | accagactgg  | cctttaccga  | 1617060 |
| agaactacct   | atatcataac  | ctaacaata   | cacaattcct  | atctttttta  | tttattataa  | 1617120 |
| atcgttctgt   | caaacttata  | ataacgagct  | gcacgatgac  | gaacaccttt  | ttctttttct  | 1617180 |
| tccatcgga    | ctacataagg  | cattagtgtc  | atcttcttat  | gaaagtctcg  | cacatcgaaa  | 1617240 |
| gccttatcgt   | ataccagctg  | gtacaagata  | cgaagctggg  | ctgctgtaaa  | ctttctgggc  | 1617300 |
| agaaggtcga   | acataaccga  | cggattcatt  | tccacgtaat  | ggcgaatata  | agccagtgc   | 1617360 |
| tcatgaaaaa   | tctggacatg  | atcgaatgcc  | agtgttttca  | cttccgaaac  | tgaggtccag  | 1617420 |
| cacgcatcat   | acgtatcggg  | cagctgctgg  | ttacgctggg  | caatcttcaa  | cagagaaaaga | 1617480 |
| taagctatcg   | ttacgatccg  | tcctacctta  | ttatcggtga  | tgcatgaaa   | gcgctccagc  | 1617540 |
| catagtacgt   | ctttgggggtt | ggaagtacga  | tccttcgatc  | cataagcctt  | gaactggctc  | 1617600 |
| atcttgatat   | tccttaaaacc | ggtaagtcca  | ttcaacaccc  | gctttgcagc  | ctcatctaaa  | 1617660 |
| tcctcatcag   | cataaatcag  | actaccggga  | agtttcaaat  | cattgaactc  | tccatcggtc  | 1617720 |
| tgcttgccga   | tctgacgcac  | aagcaatact  | ctgaattgtt  | ctccatcgaa  | accaatcaat  | 1617780 |
| acacaatcca   | ccgagacgtg  | tagatcaatt  | atctggttgt  | tttcgggttg  | actttccata  | 1617840 |
| gctttattat   | cttttagcat  | tgcaaatata  | aagagttttt  | cgattcatta  | ttcaaaaataa | 1617900 |
| tatcataata   | tttatcatgt  | tataaaacat  | tattttacaa  | gtaaatagat  | ttcatacttt  | 1617960 |
| atacaatata   | taataaatgt  | attattgtat  | gatatacgaa  | aagaaacaga  | agcaatttat  | 1618020 |
| accacatga    | acattatatt  | taaattagtt  | ttttatcttt  | gcagtaaaca  | actcaaatag  | 1618080 |
| tgtaagatat   | gaaacattac  | ccttgtgtac  | ttaccattgc  | cggttcggac  | tgtagtggag  | 1618140 |
| gagccggcat   | tcaggcagac  | atcaagacca  | tctctgcatt  | gggggcctat  | gccgccagtg  | 1618200 |
| ccattaccgc   | cattacagta  | caaaatacat  | gcggagtgc   | agacattcat  | cccgttcctg  | 1618260 |
| ccagctatgt   | aaaggacag   | attgaagccg  | ttatgacaga  | cattcgcccg  | cgtgccatca  | 1618320 |
| aaataggaat   | gataaacgac  | gtaaacattg  | taaaggctcat | agccgaatcc  | ttacagaaat  | 1618380 |
| tcaagcctga   | attcgttgtt  | ttcgatccag  | tcatggtatc  | gaccagcgga  | tgcaagctca  | 1618440 |
| tggaagacga   | ggcaattgaa  | gccatcacct  | cccagcttat  | gccactgtct  | accctcatta  | 1618500 |
| ctcccaacct   | gcgtgaggcc  | gaggtactga  | cgggcagccc  | gattccagac  | atcgaaacga  | 1618560 |
| tgaaaactgc   | ttcacgagaa  | ttgttacgtt  | acggtagcca  | cgccgtactg  | gtcaaaggag  | 1618620 |
| gacatctgga   | agacggaggc  | atgtgcgacg  | ttttgcaggt  | aaaagggtgat | gccgaacccc  | 1618680 |
| atttgtttac   | agccagaaaa  | atagaaagtc  | acaataccca  | tggtaccgga  | tgacacgttt  | 1618740 |
| cttctgctat   | tgctacctac  | ctggctttgg  | ggaacagcat  | gaccggagcc  | gtaagactag  | 1618800 |
| ccaaggaata   | tgtataccag  | ggtattctgt  | ctggaaaaga  | tgtacacatc  | ggcgaagggc  | 1618860 |

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|             |             |             |             |             |             |         |
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| atggggccact | gaatcatttt  | tactctcctg  | tacccatgca  | catttacgac  | gaagattaaa  | 1618920 |
| ccgaaaaaat  | cagaaatcta  | aaataaatca  | ttacctttgt  | cattaataac  | ttaattcaaa  | 1618980 |
| aagaaattta  | tgaaagcatt  | tgtattcccc  | ggacagggtg  | cgcaattcgt  | aggaatgggt  | 1619040 |
| aaagacctct  | acgaaaactc  | agcgctggca  | aaagaattat  | tcgagaaagc  | aaacgatatt  | 1619100 |
| ttgggctacc  | gcataaccga  | catcatgttc  | aacggcacag  | acgaagacct  | gcgccagacg  | 1619160 |
| aaagttaccc  | agcctgccgt  | attccttcac  | tcagttatct  | cggctctttg  | catgggcgaa  | 1619220 |
| gacttcaagc  | ctgagatgac  | agcaggacat  | tctttgggag  | aattttccgc  | actggtagca  | 1619280 |
| gctggtgcac  | tgtctttcga  | agatggcttg  | aaactgggtat | atgcacgtgc  | catggctatg  | 1619340 |
| cagaaggctt  | gcgaaatgca  | accgtctact  | atggctgccca | tcacgcgact  | gccggatgaa  | 1619400 |
| aaggtagaag  | agatctgcgc  | tcaggtcagc  | gcggaagggtg | aagtttgtgt  | ggctgccaac  | 1619460 |
| tacaactgcc  | cgggacagat  | cgttatttca  | ggctctatcg  | agggcatcaa  | caaggcctgc  | 1619520 |
| gaactgatga  | aagctgccgg  | tgcaaagcgt  | gcattgccgc  | tgaaagtggg  | tgccgctttc  | 1619580 |
| cactctccgc  | tgatggatcc  | agccaaagta  | gaactggaag  | cagctatcaa  | ggctaccgaa  | 1619640 |
| ttccacacac  | caaagtgtcc  | tatctaccag  | aacgtagatg  | ctaaaccgca  | tactgatccg  | 1619700 |
| gccgaaatca  | aggcgaatct  | ggtagcacag  | ctgacagctt  | ctgtacgctg  | gacacagacg  | 1619760 |
| gtacagaata  | tgattgccga  | tggagctacc  | gaattcatcg  | aatgtgggtcc | gggtgccgta  | 1619820 |
| cttcagggac  | ttatcaaaaa  | gattaataaa  | gaagtaaattg | ctcacggcat  | agcttaattct | 1619880 |
| gcctgtcggc  | ataaaaaata  | aagtccgccg  | gattttcccg  | aaaatttgta  | caaaagattt  | 1619940 |
| tgttttttgt  | acaaattttc  | agaaaagacc  | ggcggatttt  | tttgtcattc  | tccgcacgcg  | 1620000 |
| ttttatcaga  | cgtccggaca  | caatttacc   | cctttgcaat  | ccctcctgtt  | cctgcttatt  | 1620060 |
| ccaagcaaa   | ccgaaaagcc  | ggacagaagt  | tttacaag    | gggtaaaacg  | ttatttttat  | 1620120 |
| ttcaagagtt  | ctcccagttt  | ggcaccacg   | tcttcaccac  | gcaagttg    | ggctacgata  | 1620180 |
| gtaccctgct  | ggtcaaccaa  | tacagttgcc  | gggatagcac  | gtacaccgta  | caatttagca  | 1620240 |
| ccttcgcaat  | cccatccttt  | caagtccggac | atctgtgccc  | atgtgatgtt  | caagtccttg  | 1620300 |
| atggcttttt  | tccatgcttc  | tgcattgtta  | tccaatgata  | caccaacaat  | accgaaacct  | 1620360 |
| ttagccttaa  | attgactata  | tgcagctacc  | acattcggca  | tttctgcacg  | acaaggacca  | 1620420 |
| caccagcttg  | cccagaaatc  | aatcagcgtc  | agtttgtttt  | gagcaatgaa  | atcggacaat  | 1620480 |
| ttcacttctt  | taccctccgg  | cgtattcatc  | gtgaaatcga  | tgaacttctg  | accgacttct  | 1620540 |
| gtcttttcga  | gagtagcaat  | gtgttctttc  | aatgcaacaa  | tatctttgtc  | ggcactataa  | 1620600 |
| gcagccggaa  | ccttttccag  | caaagccttt  | accttagctg  | tttcgaaagc  | attggcatac  | 1620660 |
| gaagtaagca  | actgaacacc  | taccagattg  | ccgatgtttt  | cttcaatcga  | gttataaacc  | 1620720 |
| atctcagtg   | cgaggctgtc  | tttttcagcc  | aattgttttt  | ccatatcctt  | acgctggtct  | 1620780 |
| tcggtcagt   | tcgtatcgct  | ctgagccttc  | tgatacagtt  | cagatatattc | cttattaagc  | 1620840 |
| gctacaaact  | tatccatgaa  | tttctggtaa  | gcacgtttgc  | atgttggtcc  | agaaacctta  | 1620900 |
| ttaccctgag  | cgctcatggt  | caggctgata  | tcaccttttt  | cgataaatac  | catcgcattc  | 1620960 |
| atgcgctgtc  | cattctttct  | ataagtcaca  | taacggctca  | ccgttacaga  | atccggatta  | 1621020 |
| ccttttaaatt | cgaaagctcc  | acctttttaca | acggcagaat  | ccatcttaat  | caattcaccg  | 1621080 |
| tcaacaaaat  | cctgcaaata  | aacgggtatca | ccttcggcta  | ctccttcaat  | agtaccctta  | 1621140 |
| atcgatatacc | ctgctttttc  | ttgacaagac  | gcaaatgccca | gcaagccagc  | agttgccatc  | 1621200 |
| aataaatagtt | ttttcatata  | agtataatta  | aataaaatag  | ttagattgag  | ggcaaagata  | 1621260 |
| gccctttaaa  | ttcgaaaggc  | aaacaaaata  | aagcatattc  | ttcccaaagc  | tatccaaaaa  | 1621320 |
| tacttttccg  | gaggaacaag  | ggaagtatgc  | agcatatggt  | ataaagaact  | tgaaaacacc  | 1621380 |
| ttgaagagag  | tcccaaaaag  | acatccagtc  | ccgtgtaatg  | caaggaagtg  | aagaactgaa  | 1621440 |
| caacaaaaaaa | caatgtcaca  | caatagccgg  | aaaagcgtac  | gctactatac  | gacatttcctt | 1621500 |
| tgataatatc  | tctgtctgta  | cgatataaat  | cgaccgtata  | accgtatatc  | acggcaacaa  | 1621560 |
| taccagccc   | caacgataac  | aaatagctga  | taccttccga  | caaaggtgag  | cctttcagtc  | 1621620 |
| caccggtgat  | gctacgaacc  | attccccatg  | gatctaaaac  | taaaaacaat  | actaccagta  | 1621680 |
| tatagaccat  | accacacagta | agacttaacc  | acaatgaacg  | tagttcctta  | cgggagagtt  | 1621740 |

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|-------------|------------|-------------|-------------|-------------|-------------|---------|
| tccttccacg  | atacagccct | cccttgacag  | cttcccaaaa  | gccagaatgc  | aaacaaagtc  | 1621800 |
| ctactccgaa  | agaaagtaac | agcaaattctc | caaaaaacgg  | agcagccaac  | aatccgtcgc  | 1621860 |
| ccacatttct  | gagcttccag | cgtaaccctt  | ctgcactgat  | caggttttgt  | acccccgacc  | 1621920 |
| agccatagat  | gcttcctacc | cacgaaagta  | aagcaacca   | cagcgtaagc  | aggaaaaaca  | 1621980 |
| atgtggcagg  | atgtaagaaa | cgcttattcg  | tcatctggct  | ccaaattatc  | aatatccaga  | 1622040 |
| attctcagtt  | cgaagctcg  | cgtcaccaag  | cgacaagcat  | taacgcccgt  | acgttcacgc  | 1622100 |
| gaacggaaca  | aacgatttac | cagttcattc  | tgacgctttt  | ctatcgattt  | aacccccgaaa | 1622160 |
| ggcatccctt  | tcagattcgt | aatcatttcc  | ttagtatatc  | ccaatgccag  | atgtcgcaac  | 1622220 |
| aaacgttcgt  | cgtattcatc | gatgtcgtat  | tcgataatgg  | cttcctgacg  | acgcattttca | 1622280 |
| gcttcgaccg  | atTTTTTaaa | gcgctcgacg  | atctttttcca | gtatcggata  | gttgaataact | 1622340 |
| aatttcttac  | ctgccataac | agcctctaca  | tcagtggcag  | tcagcagttc  | gccagtcttc  | 1622400 |
| agaatgatac  | catccgctcc | cgcattcaat  | gcacgcaccc  | acaacttctc  | gttcaagact  | 1622460 |
| ttccctgtaa  | aaatcagtac | cttcagttct  | ggacgttccc  | gatgcaaacg  | ggcacaaaata | 1622520 |
| tcgacgccta  | tggtcgtaga | acctcccaat  | cccaaactga  | gcaagactaa  | atcgggtgta  | 1622580 |
| tgctgttcca  | gtagtgccca | aaattctgcc  | tcagtcattg  | ctgtacctat  | cacttcagca  | 1622640 |
| ttgggtattt  | cgtgacgaaa | tatttcttct  | gtgccttttca | actccagttt  | aacatcttca  | 1622700 |
| acaataataa  | ctttaaactt | ttccatatct  | tatttattcg  | tttatttctt  | tgtactaaga  | 1622760 |
| ggaatggtaa  | accatacggc | atatcctccc  | cccacacacg  | gacaagcatt  | gatgcggcat  | 1622820 |
| ccgcgccgtc  | cggcaaattc | atcgtgctca  | cgaactatct  | gcttgacagc  | cagaaactcg  | 1622880 |
| gttccctgca  | aaccggtacc | tccttcttcc  | tgaaaatgcg  | acaacacggg  | atagaacaaa  | 1622940 |
| tcgttcagct  | cttcttggtg | gtgggttctc  | cgagtatcgg  | taaagtcgaa  | acgggcgaaa  | 1623000 |
| ccgttctctt  | catacacagc | caacctcaag  | ataccggtct  | gcggataacg  | gactgattca  | 1623060 |
| tcgagcaaat  | tttcaagtag | aaaaacaagt  | agcaaactat  | cgcccagatac | cgacaagggg  | 1623120 |
| gtatgtagct  | tagtttctaa | attcaatgca  | tacggtagct  | tgcgagttat  | cttacggaaa  | 1623180 |
| tatttttctg  | cctgactgac | aatagtggca  | acctgcacat  | ccgtacggcg  | gaaagtaatt  | 1623240 |
| tcacgcagct  | ggcgcggaag | acacgaactg  | agcagggtaa  | atatactttt  | atagtatcct  | 1623300 |
| accagttcgg  | atatggtttg | catctgctgc  | tcttcttctt  | gcaacgaaat  | atcttcttcc  | 1623360 |
| cggttcaacc  | ggtaacaat  | ctgtttaatc  | cggtttaggat | agtaaattcgt | ttcgtgcttg  | 1623420 |
| atggtagaca  | gacaattatc | cagcaccata  | ttctgtacat  | gcaacatatt  | ctcctcgtaa  | 1623480 |
| gaagtacgcc  | gagcctcgct | ctgagccagt  | tcaatgtcat  | aatgtttccg  | ccggacacat  | 1623540 |
| actaccgtat  | ggtgcagaac | tacggccaaa  | taactcacia  | ccagttcgac  | cagcagcctg  | 1623600 |
| tcgtcttcac  | gtacacatgg | caaggctgtc  | ttgatagcga  | gtacacctgc  | acaataactc  | 1623660 |
| tcctcacctg  | cctccacatt | caacgggaaa  | taattccatg  | ccgcctcgct  | ggtccacatc  | 1623720 |
| acctgttttt  | tttcgaaaca | acgctgtatc  | ctgttatata  | tttcttcac   | ttctccttcc  | 1623780 |
| gaatctgcaa  | tataatgcaa | ggtggctgtc  | tcctcatcgt  | acaaagccaa  | agtcattggca | 1623840 |
| gctacagggg  | ccagttcgtt | catctcatcg  | gaaagctttg  | cgagtatact  | ttctgccaga  | 1623900 |
| ctggtttcat  | cctcttcctg | aggctgagac  | actgagaaga  | tagactgatt  | gattttcgaat | 1623960 |
| acctgctcca  | tggtgtagcg | ataatgcaaa  | cgggtgccga  | aataaaggat  | ataatagcct  | 1624020 |
| gccagacagg  | ctacgacaag | caggacaaaag | atacccaaag  | caatcagctt  | attgttggcc  | 1624080 |
| gactgctgca  | ttcgtacaca | gtattcttcc  | agcgaacggt  | ctttgctgac  | ctgcttgtag  | 1624140 |
| aaggtagcat  | acgcccgggt | attataatag  | taggtacgaa  | aatctttttac | ggccaatccg  | 1624200 |
| gcaacggcgg  | cttcattacg | cacatcgagg  | agaatataat  | aatcggtatt  | gaacccttga  | 1624260 |
| gccagccacg  | tctgttcggc | tgcttcataa  | tcgtcgcggg  | atagtttcag  | caacggatag  | 1624320 |
| cgacgccttg  | agtatttcag | ataatgcaga  | ttcatgtatc  | gcaacacact  | gtcggcatat  | 1624380 |
| acaagtgcct  | cctgataacg | gccgtttaca  | ttgcagtcgt  | ataccagatt  | ggcataattg  | 1624440 |
| tttgctactg  | ccaacaagct | atcgtaact   | aaaacattat  | tttgtgtctt  | taccgtatgt  | 1624500 |
| tgttccgaag  | gctggcaact | gcctaaaccg  | gccaggccca  | ttaccagcaa  | caaaccgaca  | 1624560 |
| gtaaaaaattt | tctttactcc | tttgggcaat  | cggaaataaa  | aacgacttcc  | tttgcccaac  | 1624620 |



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|-------------|------------|-------------|------------|-------------|-------------|---------|
| gtactgtcta  | tcgagaaaca | gcaaaccg    | aaaacagtat | tcgtcttgcg  | gtatTTTTca  | 1624680 |
| ataatacctt  | tgcaattcat | cagtccgaag  | ccggaacctt | tctgtttacg  | cagctcttct  | 1624740 |
| gtatcggcag  | ctgtcaccat | tcctatcgaa  | cctgaatcgt | atactttttc  | acccaatatg  | 1624800 |
| cgattgacat  | cctcttccga | caaaccagga  | ccgttgctgc | tgacggatat  | ttccacataa  | 1624860 |
| tcatcagtct  | cgactgcaga | aagttcgatc  | ttcccatggt | cgaggagtata | tttacgggca  | 1624920 |
| ttttctgcca  | gtgtattaat | cataaaaagc  | gtcagcgcct | tatctgcctt  | tacaatagca  | 1624980 |
| ttagtggaag  | acactactaa | ctcttgatgt  | ttcatctcga | aagaacgtct  | tcctttggct  | 1625040 |
| ataatatcga  | aaagttcttt | caagggaaaa  | ttctctatgt | tcaggctcaa  | tactccctga  | 1625100 |
| cgcatcttga  | tccataaagc | caatatttca  | ttatactcgt | tgatacgggt  | aatcagttcg  | 1625160 |
| tcaatgtatt  | caaactttcc | tttttttaca  | tctgcccgcg | gagtatacgc  | tgccgactga  | 1625220 |
| agtttctgta  | cttcgttgac | aacacgggtct | atatatggca | aaataccggt  | tacaagagac  | 1625280 |
| aaacaggctt  | tctttaccat | gttctgccgc  | ttgttttcgg | caagggtgctg | ttcgtgaatg  | 1625340 |
| tattgttctt  | tttccagtcg | tcggcggttca | tcatccaacg | acaccagatt  | cagaccgttt  | 1625400 |
| tctacagtcc  | atgccagata | aggtaagatg  | agttgcagca | atgtatatatt | ttccttgcgga | 1625460 |
| agcggaaaag  | gtaaagcaag | taaaagtttt  | ccgactgttt | ttttcttgct  | gggagagcat  | 1625520 |
| aattcatatt  | cacaaaaacc | gagaagtgat  | tcttccgact | gctcgcctgc  | tgaatcgcag  | 1625580 |
| cccaatacaa  | tcttcacatc | agtcgcctca  | aagattttat | gaaaatcatc  | tttaattgtc  | 1625640 |
| aggcaaagtg  | tatccacgat | ttcatcagtt  | tcagttacat | aaactggaac  | ggaagagggt  | 1625700 |
| attttacgac  | acaagtcgaa | cacttctttc  | aaaatagaga | tgtattgttt  | atttcgcttt  | 1625760 |
| ctccagtatc  | gattcaatac | gataaaaagt  | ataatcaaca | cgaaaatgcc  | catgatcaca  | 1625820 |
| agcgacaaca  | acgcattcaa | ttgccgtgat  | tccctttcca | aaaccatata  | acggctttcc  | 1625880 |
| aaggccttgt  | cttgcgggtg | atagtccagc  | aaatctaaat | aagcattccg  | attatagtct  | 1625940 |
| gattcagcct  | tgcatcccat | tgcagcataa  | gtacggctta | attgctctcg  | taagcgtaga  | 1626000 |
| atccactctg  | ggatggtctt | gataccttcg  | tcagcaatcc | attttagctc  | cgtggcatga  | 1626060 |
| gcagtctcag  | gtacataaac | ttgcaaacga  | tcagttgtat | ctgtgcaatg  | ataatacttc  | 1626120 |
| tcatgatgcc  | agtttacata | ctgaagagcc  | tccttcagat | tctcaagtgc  | tttctctggg  | 1626180 |
| tgacctgaat  | aattataata | agtagcaatg  | gtacgataag | tccccgaaat  | ctgatatccg  | 1626240 |
| tcaccatata  | ttttaaatag | tttcaaagcc  | tgtcgggcat | aatataaagg  | caaactgtcg  | 1626300 |
| acaggcagat  | cattttcatt | gaccagtcga  | agtattccag | aacgatgctt  | ttccaacagt  | 1626360 |
| tcccgattcc  | tgcgaaaatt | taataattct  | gccatcgcct | gtaatgcatt  | ggcctcaaaa  | 1626420 |
| taaatatagc  | cccctttacg | actttgcaat  | aaacaatttg | tcaaacaacc  | gaattctccg  | 1626480 |
| gttatgactt  | gttcgcgagt | cggtgcatcg  | tacattcccc | ccgaaccacg  | catatatctg  | 1626540 |
| taataaagtg  | attgtgccgt | atcgttcttt  | aagacctctg | gagtaatgga  | attgatggac  | 1626600 |
| tgcagtgatt  | ctttacgttg | ctccagatag  | taaaaataga | tgcccgaaac  | aatatgaaat  | 1626660 |
| tcagagattg  | catagttcag | tctcattttt  | tcgtgagcgt | cagaaataag  | tgcttcgtct  | 1626720 |
| tcacgaatac  | gtttcaaacg | tcgcaatgcg  | ctgttgcggt | aatcataaaa  | ctccttgttc  | 1626780 |
| atcgaagtac  | gctgacatat | tttcatcata  | cctatgtccg | atatcaagtg  | ttctattttca | 1626840 |
| ttgttcccct  | cctttaatgc | ttgacggaat  | aaagaagctg | atTTTTcaaa  | attcatgcgc  | 1626900 |
| ataaaggcgc  | aaaagcccat | attattcaaa  | gcttctgcat | gtaaatacagc | atttccttca  | 1626960 |
| gagagtaaac  | aagcacggga | agctgctttt  | gtcgcaaccg | acagattctt  | gtaacgcatac | 1627020 |
| tcataggcta  | tatggttcaa | agagtcggct  | tctgcataag | ctgcagcact  | ttgcccctta  | 1627080 |
| tgctgtcac   | acgacatcca | gccccaaacc  | attaaagcca | tcatcaatgt  | atatattact  | 1627140 |
| actctcatat  | gaaaataccc | gatttggttac | aaatgtacaa | agttcatcgc  | gaagaaatgg  | 1627200 |
| tacacaaaact | aataaaaaaa | taaaagaggc  | tataccattc | cgtgcaaacg  | aaataatata  | 1627260 |
| acctcttcag  | gataaagtga | aaaaactttt  | atttctttga | ttcttccaga  | gaaacctttc  | 1627320 |
| taaattcttt  | cagtactttt | tccaattcca  | atgaagcctt | acgggcacga  | gtacctgctg  | 1627380 |
| ctttattgcc  | tttagtaaac | tgcaattcag  | catcagcaac | caaggctgca  | ttcaattctt  | 1627440 |
| taatctttgt  | aattaattca | ttcataatct  | tctgtctttt | tatttaacaa  | tctcaaagta  | 1627500 |

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|-------------|------------|------------|-------------|-------------|-------------|---------|
| aatacaaaata | acttaataac | atacatcttt | atctctcttt  | tttacattat  | ttaatacaaa  | 1627560 |
| aaattatttt  | tcaatgcaac | tcagttgcaa | atgaagcaat  | taagtctaaa  | attgagaccc  | 1627620 |
| ttaaatgttg  | aattaatgat | gtaagcgctg | tatttttgtc  | gcaaataaaa  | taaatcagat  | 1627680 |
| atgaaacaac  | atcattcaca | taataatcat | catgaggtta  | cttcgcttaa  | cacaatat    | 1627740 |
| gttttgtgta  | tcgtcattaa | tttggctttt | gtaataattg  | aagctggagt  | aggatttgct  | 1627800 |
| tatcattccc  | ttggattggt | atcggacgca | gggcataatc  | tcagtgcgt   | atttagttta  | 1627860 |
| ctcctttctc  | ttttcgctt  | tagaatgtct | caataccata  | gtaatcaaca  | tttcacttac  | 1627920 |
| ggatataaaa  | aaagtacggt | actggtttct | cttgtcaatg  | caatcatcct  | attaattgct  | 1627980 |
| ataggagcta  | ttttcattga | aagtatttat | aagttcaaac  | aaccagaaaac | gatatacagga | 1628040 |
| gaagccatat  | cgtggacagc | tggaataggt | atcttagtca  | atggaataac  | ggcgtgggta  | 1628100 |
| ttaatgaaaa  | atcaaaaaca | tgacttaa   | gtacgaggag  | ctttcttaca  | tatggccatg  | 1628160 |
| gatacattgg  | tttcgattgg | agtagttata | tcaggatatca | taatcatcta  | tacaggtttt  | 1628220 |
| accatcattg  | atacattaat | tagcttggct | attgcaatca  | tcattctgct  | ttctacatgg  | 1628280 |
| aaattactga  | aagaaagtct | attcctatcg | cttgatgccg  | tccccgaaaa  | tattgatata  | 1628340 |
| aacgctatcg  | aacagatcat | atctcactca | ccaggatcgc  | aaagctggca  | tcattttacat | 1628400 |
| atatgggagg  | ttagtacaac | agaaaatgca | gcaaccgttc  | acatcgttat  | caacgacatt  | 1628460 |
| tcgaatatag  | aagaaataaa | atggaaattg | aaagatagct  | tgaccagca   | aggcattcag  | 1628520 |
| cacgttacta  | tagaatgcga | aacagctgat | tctatttgta  | aagaaaaaac  | ttgttgctaa  | 1628580 |
| tcattcatat  | ctcctacaaa | ggaggtatca | aaccaagatg  | atagcttaac  | agaaattagt  | 1628640 |
| gctatatatt  | tacaacatac | agacaattcg | tttcaa      | tacttttgaa  | tggaataacg  | 1628700 |
| tccccttctt  | gtgccctaca | agatttttaa | aatcaacgag  | gaaggctcat  | tttgctaatac | 1628760 |
| aaaaactaag  | tacagccgcc | tgatatagca | tttgttgacg  | cagcttttct  | atttaactca  | 1628820 |
| acataattatt | ctcgataaaa | ataatcatta | gtgtccgata  | aacataattta | ataggctgat  | 1628880 |
| tatcaatatt  | gtttttatgg | ataagcctct | ttgttaaagt  | cgctgcttaa  | ttttatgtat  | 1628940 |
| atcaataagt  | tattgaggat | ttgaaaagt  | ttatcggaca  | gcaataaaaa  | ataataaaac  | 1629000 |
| attattgaaa  | atagttcggt | atatcaatag | agaatatgc   | cataaggcct  | aaacaaatat  | 1629060 |
| cataaaaaaa  | gctttcttta | ttattaaatc | ggaataataa  | agaaagcttt  | ttatggtata  | 1629120 |
| ctacatatct  | tgatcttgct | accagcaaga | aaggcaactt  | aactcacttt  | tagttaagct  | 1629180 |
| tccttcttag  | tagttttctt | agctgttgcc | tttttttctg  | ttgcatcagc  | ctttttggca  | 1629240 |
| gttgtcttct  | ttgcggcact | ttcagccttt | ttcaactctg  | cttgtagttt  | attaacttca  | 1629300 |
| tttgtcaact  | gaactagctc | ttcaccttga | ttcttgatgg  | tagtaagcaa  | tgagctcaat  | 1629360 |
| tcttcattat  | ccatatctac | aggataaagt | gcattaacac  | gtcccaagaa  | atcgcccaat  | 1629420 |
| atgttcatat  | agttggtgaa | agcatcgtat | ggagaatcgt  | agatacctct  | gttcaatcct  | 1629480 |
| actcctgtat  | cttttgtagt | catgaagcgg | aagttattgc  | tagcctgcaa  | ataataccag  | 1629540 |
| tcttgcttaa  | tacgacgatc | atcacacaaa | taaacacgtt  | cagccacgct  | atacaattta  | 1629600 |
| ttgaatgctt  | cacgctgcat | tacgttacc  | aaccatgggc  | tgatatctct  | ttcttcgtct  | 1629660 |
| gccaagaca   | tcggataagg | tacatctacc | atatcgaccg  | acttcagttt  | ggttacgatt  | 1629720 |
| tctgtcggag  | tagagaatgt | aatgcctctt | tgttttgcac  | atgtcggag   | agccttcagg  | 1629780 |
| aattccaata  | tgtagatga  | caatggctgt | gcgataccca  | atgcagaaag  | ctccataaag  | 1629840 |
| atattgatga  | cctgttcggt | ttctggcaaa | gaagcaatcc  | agtcaatata  | cttgtccgca  | 1629900 |
| aacaacggat  | attcactcca | ttcactatta | gagaaacgaa  | gacttatatc  | atcagacaat  | 1629960 |
| ttaaagtcac  | gcatcagaag | tttcaaattc | ggattctctg  | cacaatgata  | caaatagtga  | 1630020 |
| ggactcttcc  | aacctaatac | atgcttagct | ccttcacca   | gtacgccctt  | aaatcccata  | 1630080 |
| ctagccacaa  | taccaccaat | ttcattatcg | taaatcaagc  | tggaattacg  | gaatactttc  | 1630140 |
| ggttcctgtc  | caaaataatc | cttcaccttg | cggcgcatgt  | gttctacctc  | ttcacggaag  | 1630200 |
| caatcttcgt  | ttgccaaga  | agaaaggccg | tgcaataaag  | gttcacaaat  | gaactcacia  | 1630260 |
| cagcctgttg  | cattcaactc | atgcaataat | tcgataactg  | ctggagcatg  | tatttccaat  | 1630320 |
| tgttccaatg  | caactcccga | aatagaaaga | gcaacttta   | acatttcctt  | attgttcttt  | 1630380 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| accatttcaa  | ttaaagtctt  | cagggccgga  | atataagaac  | gttcagccac  | ttcgttaatg  | 1630440 |
| ccttgttcat  | tggcataatc  | atcataataa  | tagtggtcgg  | ttcctatttc  | gaagaaacga  | 1630500 |
| tagcgtttca  | aatgtataat  | ctggtgtatt  | tcaaagtaaa  | gacagattgt  | tttcataact  | 1630560 |
| aacttagcat  | ttattattta  | ccataatttt  | ttaaaacttg  | atcgtacaga  | gcacgtactt  | 1630620 |
| tcaaaccaac  | tttctcccat  | acaataccat  | caacctcttt  | cttaccttca  | tcacgcagat  | 1630680 |
| actcataaag  | tgaatgattg  | gtacagattg  | aatgaatggc  | atctgccatt  | gcatggatat  | 1630740 |
| cccaataatc  | agtcttgata  | cacttatcca  | agatttctgc  | acatcccgac  | tgtttcgaaa  | 1630800 |
| taatagttgg  | tacactgcac  | tgcattgctt  | ccaacggaga  | tataccgaaa  | ggttcggaaa  | 1630860 |
| ctgaaggcat  | aatataaaca  | tcacttgctt  | tcagaacttc  | atatacctgt  | ttacctttca  | 1630920 |
| tgaatccagg  | gaaatggaaa  | cggtcggcaa  | taccgcgctc  | agcagccaaa  | cgaatcatgg  | 1630980 |
| cattcatcat  | atcaccactt  | ccggccatta  | cgaaacgaac  | attacgagca  | cgtttcaata  | 1631040 |
| ccatcgcagc  | agcttctaca  | aaatattcag  | gtcccttctg  | catggtaata  | cgtcccagga  | 1631100 |
| aagttacaat  | tttctcttta  | gggttcttat  | gcggaacaat  | atcttgtatt  | tcttttagaca | 1631160 |
| atggtgatac  | tgcattatgt  | acagtaaaga  | ccttacgtgg  | atcctgataa  | tatttatgta  | 1631220 |
| taaccgtctg  | acgagtcagt  | tcacttacac  | acatgataca  | gtcagcatga  | tccataccat  | 1631280 |
| tcttttcaat  | agagtatact  | gtaggattta  | cattaccacg  | gctacggtcg  | aaatcggttg  | 1631340 |
| cgtgaacatg  | aataaccaat  | ggtttacctg  | aaatctgttt  | tgcatagaata | ccggccggat  | 1631400 |
| aagtaagcca  | gtcgtgagag  | tgaataatat  | cgaactgctg  | ctgacgtgca  | acaactcctg  | 1631460 |
| ctacaatgga  | atagttattt  | atttcttcgt  | gcaagttatc  | cggataacgt  | cccgaataat  | 1631520 |
| ccatacaacc  | caaatcgttt  | gtatgcatat  | aattaaagtc  | agcataaata  | tgttctcgca  | 1631580 |
| aatcgtaata  | caattgcgga  | tccatataac  | ttcccacacg  | actattttaca | taatcccatt  | 1631640 |
| gtacatcacg  | ccatacaata  | ggaacactgt  | tcattccaat  | aatttttcagg | aaactttggt  | 1631700 |
| cttcatctcc  | ccacggtttc  | ggaatacaga  | aagtaatctc  | catatccggc  | tggttgtaga  | 1631760 |
| tacctttagt  | caaaccgtaa  | ctagcagtac  | ctaaacctcc  | taaaatatga  | ggaggaaatt  | 1631820 |
| cccaaccaaa  | cattaaaact  | ttcatattct  | ttcctccttt  | ttattgatta  | tcatattttgt | 1631880 |
| ccaatagatt  | taaagtcttc  | aatattttgtg | ctacattcat  | tgcgaatgat  | atagcacctc  | 1631940 |
| ggcctttaaa  | cggcggtatt  | ccatcaaaca  | attcagggat  | cgttccgagg  | cagtgcacac  | 1632000 |
| tcatctcatc  | ttcgtagcca  | atcatctgac  | gttctacaaa  | cgaataagcg  | ctacgtttat  | 1632060 |
| acaggcgcaa  | gtaagcttcc  | agatagaaac  | cttccaacca  | cggccatgca  | gtaccctgat  | 1632120 |
| gatatgcata  | atcacgctgc  | aactgcggac  | ctacataatt  | aggattatat  | ccgccactct  | 1632180 |
| tcggacttaa  | tgaacgtaat  | cctttaggag  | taagcaactc  | tttcgtaaca  | atatctacta  | 1632240 |
| cacctttttt  | ctgctttgca  | tccaatggtg  | aataatcgaa  | agcagctgca  | aaaatcatat  | 1632300 |
| tcggacgaac  | actccagtcc  | agcatatcgc  | catccacata  | atccagtaaa  | caaccatatt  | 1632360 |
| cattcaagaa  | agtgcataca  | aaagactttc  | ctgttttctg  | cgccaatgca  | gataagcgag  | 1632420 |
| aagtaaaatc  | agaagctcct  | tcgtactcgg  | caatcagttc  | tgatacatat  | atcagtgcat  | 1632480 |
| tataccaaaag | agtattaaat  | tctacgatat  | atccagaacg  | cgggtgtacc  | ggacgtccat  | 1632540 |
| tgacagttgc  | attcatccat  | gtaatagcct  | tttcggttcc  | acgagaatag  | atcaatccat  | 1632600 |
| tatcgtaaac  | tgtcaaatta  | ggatgtttgc  | cctcagtaag  | ataagtcatt  | atataccttca | 1632660 |
| gcaacgtacc  | atattttctga | taagcctcct  | tacgggaaac  | agtcttacca  | aactgctgga  | 1632720 |
| tagtccatac  | tgcccacaga  | agtacatccg  | gatgttccat  | ctcataaact  | ttcagatccg  | 1632780 |
| tatcttcttc  | attcatgaaa  | gcataaattg  | cctttatggc  | agtatgcatt  | accatatcaa  | 1632840 |
| atttatcaaa  | ctcattgatg  | gcaagagtca  | atcccggcaa  | tgaaataaac  | atatacagtg  | 1632900 |
| cacggcattt  | aaaccacgga  | tatcctgcta  | aaatataaga  | gtcatcccc   | tgttttattca | 1632960 |
| agaattgatg  | tgctgcatta  | atcaggcagt  | tcttgaaact  | atcacgagga  | gtacgtctat  | 1633020 |
| ctgcttcagc  | agcaaacaat  | gcattcaagc  | tttcagggtc  | gatttcagag  | ataccaccag  | 1633080 |
| agaaaacaat  | cggctcatct  | tttggtattt  | ccatttcgaa  | atatcccgga  | acatacaaat  | 1633140 |
| cctcattgaa  | atcatatcca  | cggtcttggt  | cctttgtata  | ttcgatgcct  | ctgtaccaat  | 1633200 |
| ctggctgaaa  | atggaattca  | ttttccttac  | tcatttgcatt | gtacaaatca  | ggatatcccc  | 1633260 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| gatacataca | agttttcaat | ccatttcttaa | cctcatcata  | atgacgactt  | gcctgcgagt  | 1633320 |
| tttcatgcgt | atactgccgg | acactacgaa  | aagccaaata  | tggacgcaag  | cgaagagtcg  | 1633380 |
| tagtcgaatg | agcttccaat | aaagtataac  | ggatcaggat  | tctgttttca  | tggatgaacaa | 1633440 |
| ataatttctc | cttcttcaga | acgacccttc  | ctactcgata  | gatagtagta  | ggaacctttt  | 1633500 |
| cacactcaaa | ctcacggata | tacttggtgc  | cacgcggact  | aaagttgtct  | ccatgatatt  | 1633560 |
| tatggagtc  | taagttgaac | tcagctccgt  | gctgtacgac  | tgtttcatcc  | aaagaagaaa  | 1633620 |
| gcaacacatg | gttttcatca | tccagttctg  | gaacagggat  | gaccaacaaa  | ccatgatatt  | 1633680 |
| tgcgagtatt | acaatctaca | atagtagaac  | agtggtagcg  | acccgaacga  | tttgtacgta  | 1633740 |
| gaatctccc  | tgtaagagat | tcctccaaat  | tcgtcattag  | cgttttatca  | aatcgtaa    | 1633800 |
| aactcatagc | tgttatatta | aggttataat  | taataaattc  | tataaaaaat  | gttattttat  | 1633860 |
| tgctacttca | aaaatagtaa | ttaaataaaa  | taaagaaaaa  | aattaattgg  | tattttttcc  | 1633920 |
| atttttagac | aaaaaattcc | atttgcaact  | atttaaagac  | aaagctactt  | caatcatgtc  | 1633980 |
| tttcaacata | aaaacagagg | gactatctaa  | cacataagtc  | agacaatccc  | tctgcaaaat  | 1634040 |
| acagaaaata | tatatcaatt | tttttactta  | atcatatcga  | atccgcaata  | tggaaacaaa  | 1634100 |
| gccttcggaa | tacgaatgcc | ttcaggtgtc  | tggttattct  | ccaacagagc  | tgctacaata  | 1634160 |
| cgaggcaaa  | ccaaagctga | accattcagt  | gtatggcaaa  | gttccgtttt  | cttatcagca  | 1634220 |
| ttacgataac | gacatttcag | acgattagcc  | tgatatgtat  | caaagttaga  | taccgaacta  | 1634280 |
| acttccagcc | aacgtttctg | agcttctgaa  | tacacttcaa  | aatcgaaaca  | caaagctgct  | 1634340 |
| gtaaagctca | tatcacctcc | acacagacga  | aggatacgat  | aaggcaattc  | cagcttcttc  | 1634400 |
| agcaaactt  | ctacatgatc | caacatttcc  | tgatgagatt  | gtttagaatg  | ttccggcttg  | 1634460 |
| tcaatacgt  | caagttccac | cttgagaat   | tcatgcagac  | gattcaatcc  | acgcacatcc  | 1634520 |
| ttaccgtatg | aacctgcttc | acgacggaaa  | cactgtgtgt  | aagcacaatt  | cttaataggc  | 1634580 |
| aactgttttt | catccaggat | tacatcacga  | taaataattg  | taacaggaac  | ttctgccgta  | 1634640 |
| ggaatcaaat | acaaatcatc | tacgttacaa  | tgatacatct  | gaccttcctt  | atcaggcaac  | 1634700 |
| tgtccggtac | cataaccaga | agctgcattt  | accaccgtag  | gaggcataat  | ttcttcataa  | 1634760 |
| ccggcagcac | gggcctcatc | gaggaagaaa  | ttaatcaatg  | cacgctgcaa  | acgagcacc   | 1634820 |
| tgacctttat | aaacagggaa | accagcacct  | gtaatcttca  | caccaggtc   | gaaatcaatc  | 1634880 |
| aaattgtatt | tctttgcaa  | ttcccagtg   | ggcagtgcat  | cttttaggaag | ttcagtttcc  | 1634940 |
| ataccaccca | tctttacgac | ttcattatct  | tctgtctcaa  | atccttcagg  | aacttcatcg  | 1635000 |
| taaggaacgt | taggaatggt | gtaaagcaga  | ttctgcata   | cctcagcagc  | tttatccatt  | 1635060 |
| tctacttgca | aattcttgct | tacttccttg  | atctctgcta  | cacgagcctt  | agccgcttca  | 1635120 |
| gcttcatcct | tcttgccctc | cttcatcaaa  | gaaccgat    | tcttcgaaat  | agaattttat  | 1635180 |
| tcagcaagat | ttctatctaa | ttgattttgc  | gcattacgtc  | ttttatcatt  | caactcaagc  | 1635240 |
| acttgtgcaa | tagcttcttt | ggcattggca  | aaatgctttt  | tctccaatcc  | gcgaattacc  | 1635300 |
| ttgtcggat  | cttctgta   | ttgttttaata | gtaagcatat  | cttttttact  | ttttgaactc  | 1635360 |
| tatttttggt | gtgcaaagat | atattattta  | tcggaataca  | tgcaacataa  | attccgat    | 1635420 |
| aaatccaata | tttaacggca | agcctgacga  | atacgacta   | gtttttacca  | caaattcttc  | 1635480 |
| agcaaatcaa | gtttcagcat | atttgcgccg  | tcactttttg  | ctacagaagg  | gtcttcatgc  | 1635540 |
| gtttccataa | acaagccatc | cacgcctaca  | gccacacctg  | ctttcgctat  | tgtttcaatc  | 1635600 |
| aactgaggca | tgcttcccgt | aacacctgaa  | gtctggttgg  | gctgctgaag  | tgagtgaagt  | 1635660 |
| acatccaata | caaccggatg | accgaaagtc  | tgcattctccg | gaataccccg  | gaaatcgacg  | 1635720 |
| accagatcct | gataaccgaa | cgctgttcca  | cgctccgtca  | gcatacctg   | atcgtttcc   | 1635780 |
| gcctccacca | ccttatcagc | tgcaagcgc   | attgcaccg   | gtgagaggaa  | ttgtcctttc  | 1635840 |
| tttatattca | caatcttacc | tgtcttcgcc  | gcagcaacaa  | gcaagtccgt  | ctgccgacac  | 1635900 |
| aagaaagccg | gaatctgaag | tacatccaca  | tattcggcag  | ccattgcagc  | ttccgttgca  | 1635960 |
| gcatgtatat | cggtaaccac | aggtactcca  | aacgtttcac  | gcacttttagc | cagaaccttc  | 1636020 |
| aaggcctttt | cgctgccgat | acccgtaaac  | gaatcaatgc  | gtgagcggtt  | cgctttccgg  | 1636080 |
| tatgaccctt | taaatatata | aggtataccc  | aacttatcag  | taatctttac  | cacgcgttct  | 1636140 |

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| gctatacgca  | aggccatgtc  | ttctccttca  | atcacacaag  | gtcctgccag | caaaaagaaa  | 1636200 |
| ttatcgcttt  | tctttaaatc  | agaaatagtc  | tgtatcataa  | attttatcaa | ttcggaatta  | 1636260 |
| ttaatgtcaa  | tgcttcggga  | gcaatggtta  | tttctatcgg  | gaaatgacgg | tcgaaccaga  | 1636320 |
| tacgtccgtc  | gaggctgatt  | tcggcattct  | gcgcacgcaa  | tatcttcacc | ttgcgggtac  | 1636380 |
| ggtacggctt  | tacaatctta  | tgattcagta  | gacgtccctg  | ctgcatcatc | cacaacccgg  | 1636440 |
| aaatcaactg  | ccgcagttcc  | ggacgataga  | caagagaaac  | atccagccat | ccattataag  | 1636500 |
| gaacagcact  | tggtgtaagt  | ccatatccac  | gagcactgcc  | aatcgcaacc | gccatcagac  | 1636560 |
| gaccacgtat  | atgttcatcg  | tttactttca  | gatgcatacg  | gtgcaattta | cgttcgaaag  | 1636620 |
| cgaccagaaa  | caaagaagcc  | agataagaga  | acaacggtat  | tccccaaaac | cggcgtgttt  | 1636680 |
| cattcgtaat  | aaggacaata  | cgtgccccca  | aaccaatgta  | aaccgcattc | aggaaataac  | 1636740 |
| gtgtctgatg  | agtttctcca  | tcgaaataat  | taaagactcc  | tacatctact | tttctgagtc  | 1636800 |
| gacgattaat  | cagcacatcc  | acggctccct  | taaagtcatc  | ggaatctagt | ccccagtatt  | 1636860 |
| tggcaaaatc  | atttccgatg  | ccattaggta  | tgatgccgaa  | cgcaatttcg | tgcttgctcg  | 1636920 |
| caacatccga  | aagcatgata  | ccgtttatcg  | catcgtttat  | cgctccgtct | cctcccacga  | 1636980 |
| ttacaattgt  | acgataacca  | ttgttcgcca  | gtgtgcgaga  | caatctctcc | accgaccoga  | 1637040 |
| aaccttccga  | ctgcacataa  | tcaaacaata  | ctccacgact  | ttccatatag | ccgcgaattt  | 1637100 |
| ccttccaacg  | cttctgtgct  | ttccggcttc  | cagcttttgg  | gttatatatc | actccccaac  | 1637160 |
| gagtaggttc  | cactgccatg  | tctttaatct  | ttattgagta  | atccgattat | ttcattcact  | 1637220 |
| ttctcctcca  | tcggacgagt  | tgctgtatc   | cagtgtatgg  | taaatccacg | acgttccatc  | 1637280 |
| ccccggaacc  | acgtcatctg  | ccgtttggca  | aactgatgaa  | tggcaatttc | taactgatga  | 1637340 |
| tacatttcgt  | cgtacgtcat  | ctgtcccgtg  | acatacaggg  | taagatactt | atactccagt  | 1637400 |
| ccataataaa  | taaggtcatc  | cggatgaatt  | cctccatcga  | tcagtgcccg | cacttcatct  | 1637460 |
| accatgccct  | catccaagcg  | ttgtttcaag  | cgtctggaga  | ttttttcccg | acgcagggtca | 1637520 |
| cggtaaatgt  | ccactccgat  | aatcaagctg  | cggatatcag  | ggaattcacg | cgcctccacc  | 1637580 |
| ggctgatgca  | aataatactc  | ttctattttca | attgcccgga  | tagcccgttt | cgccgtatcc  | 1637640 |
| acatcgggtg  | tattatgcaa  | ctttttataa  | gaagccagaa  | ttgcagtcag | ctcttcaagc  | 1637700 |
| gatttgccag  | ccagtttttc  | ccgcaattca  | gggttttccg  | gcaccggcaa | cagtctgtat  | 1637760 |
| cctttcaaga  | ccgattccag  | atacattccc  | gtacctccgc  | acaacacagg | caacaagccc  | 1637820 |
| cgcgaaacgca | tatcttcgta  | cgccttcagg  | aaatcgcgct  | gaaactcgaa | cacattatat  | 1637880 |
| ttatatcccg  | gttccgcaat  | atcaatcagg  | tgataaggaa  | cacgataacc | atctactacg  | 1637940 |
| taatcggcaa  | gatccttttc  | cgtacccaag  | tccatacgcc  | gataaacctg | acggctgtcg  | 1638000 |
| ccactaataa  | tttcagtgcg  | taaccgtgca  | gcgagagccg  | cagccaaagg | agttttccca  | 1638060 |
| gaagcagtag  | gaccaagtat  | cgtaatcaga  | tcaaaattca  | taccttaact | ttaagatggt  | 1638120 |
| ccgacgacaa  | agataacctt  | tttctcagac  | acaagcagga  | taaaagctgc | aagtttttac  | 1638180 |
| aaagtgaatc  | ttaattttcca | tccacactca  | acagattttac | catctgtctg | acaacataag  | 1638240 |
| gtttccactc  | ttccagtata  | tcctgaaaat  | cctctccttc  | ctccatcatt | gtttttgcaa  | 1638300 |
| ctaattttctg | cgagacaaaa  | gggaaagtca  | acgcactgta  | gaaagtcagg | aatatgatcc  | 1638360 |
| gaagaggaac  | cctgcgagct  | cttccatttc  | tcattttcttc | aagcaaacac | ccttttcagct | 1638420 |
| catcgaacaa  | gtgtcctacc  | ttcaacctga  | gcaaagtttt  | gaaaagaaaa | tctacgtcgc  | 1638480 |
| ggtctatttc  | cctcaatata  | aacagaggca  | aataagggtt  | ttcttgcaac | aaactgtaat  | 1638540 |
| acacatctac  | aattcggttc  | acacgtaccg  | gcagaggcaa  | gtcattacac | gtaataatat  | 1638600 |
| cctgaaattt  | tggtatgatt  | gcttctacaa  | tcataccaaa  | tacagcctga | aacagtttgt  | 1638660 |
| ctttcgttct  | gaaataataa  | tgtaaagccg  | gccgattcat  | acctaccggt | tctgcaatct  | 1638720 |
| cgctcatgca  | ggcatcggtg  | tatccttttt  | ccataaacac  | agccttagcc | gcatcaagta  | 1638780 |
| tccgtgcctc  | cacacaagag  | gcctttgctt  | cttcagccat  | catcattcct | ttcctcactt  | 1638840 |
| tagatggtct  | acaaacaaca  | gcaaacgatt  | ggttatattt  | acatcgctca | ctccactatc  | 1638900 |
| gaagtccaag  | gacaaaatgt  | tcatttccgg  | gaagaaatat  | ttgattcggt | tctctacacc  | 1638960 |
| cttcgacaca  | atgtgattgg  | ctatacaacc  | aaaaggttgc  | aagctgacta | cattgaatat  | 1639020 |

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|             |             |             |             |            |            |         |
|-------------|-------------|-------------|-------------|------------|------------|---------|
| accttgacgg  | gcatacgaca  | tgattttctgc | cggaaggagc  | cagccctcgc | caaactgtgc | 1639080 |
| attcagtgaa  | atgaccttgc  | gtgctgcggc  | agcctcttcg  | aaaatatcct | taaacggaat | 1639140 |
| gaaataacgg  | aacttcattc  | ctgccttggt  | gaattttccg  | atttgcttgt | tgatgatctt | 1639200 |
| gtaagccgat  | ttataaacia  | aatcgggcat  | ggcactcttc  | tgaatgcacg | attccacccg | 1639260 |
| gactttccgg  | ttgacaaagt  | tctgcataaa  | gaaatcggtc  | agcacggaag | gaaccacttc | 1639320 |
| tatacctttc  | tccgtcagcc  | agcctatcac  | atTTTTctga  | gcaaaaggat | tgaatttcaa | 1639380 |
| gaaaatctcg  | cccacaactc  | ctaccttcgg  | gcaattcata  | tcccgacaaa | tagcgttaaa | 1639440 |
| ctgctcagca  | gccacagaca  | acaagtccaa  | caagtcttta  | gagcgtttgt | cccgtatcaa | 1639500 |
| gccttcagcc  | tgctgcagga  | aatcatcacg  | caaacggggc  | gcctgtccta | cctctttttc | 1639560 |
| gcgtgcagcc  | gccgcataat  | aaaacttcga  | aatgcaatcg  | ctgtacaaga | tagcgcgtaa | 1639620 |
| agcaaccggc  | aatatcttta  | tccagttcac  | tttcaatccg  | ggctgcttgt | tctccagcga | 1639680 |
| gctgccaaat  | gtcagcgata  | ccaccggagt  | atgaggatag  | ccggcctcct | ccagcgcctt | 1639740 |
| ctttatcaac  | gaaacatagt  | tgctggcacg  | gcaactgtccg | cctgtctgcg | tcatggctac | 1639800 |
| gacagtttct  | tccggattat  | aacggccgct  | cttaaaggcc  | ttgaccacat | cgcccactat | 1639860 |
| caacgttgcc  | ggatagcaga  | cctcattatt  | ggcatatttc  | agtccccact | cacaagattc | 1639920 |
| agcattactc  | aaggccagat  | tctccacatc  | gtaccctgcc  | aaacgcatga | tagccggaat | 1639980 |
| aagaggagaa  | ataaaaaggag | taaaatatgg  | taccagaatc  | ttcttattct | tataatgatc | 1640040 |
| cttacattcc  | gaaacagcga  | cagccgtgtt  | ctgctccttt  | ctgcccgctc | tgtgctcatg | 1640100 |
| aaacagtttc  | atgctttcta  | tcagcgagcg  | gattctcagt  | ttcatggagc | ccacattatt | 1640160 |
| tatatcgtcg  | agtttcagca  | gcgtaaacgt  | cttgccattg  | cgaatcagca | catcccgcac | 1640220 |
| ttcatctaca  | aggaaagcat  | ccggaccgca  | accaaaggac  | gtcaattcca | caaactgaac | 1640280 |
| gtcatctccc  | tgagcggcac  | accactgtgc  | agcctccaga  | atccggttcg | gataagacca | 1640340 |
| ctggggccagg | aaatgcacat  | tctcaatctt  | ctgaccgttt  | tcacgaacaa | tgctcgtcga | 1640400 |
| tatgacatca  | atgcccata   | cagccagcac  | atccgagatt  | ttatgctgaa | tcagcatatc | 1640460 |
| ggtatgatac  | ggacgtcctg  | caagaagtac  | caccatgtgc  | ttctgctggc | gggcatTTTT | 1640520 |
| caataacctgc | ttattgtgag  | ccaccaaaga  | agcagcataa  | tcctcctgta | cttctgtggc | 1640580 |
| ctttgcgaaa  | gcttccttta  | tctgtgactc  | ttccactccc  | agactcttca | agtagttgct | 1640640 |
| gcattgctta  | tacagcaaat  | cttcgtcttt  | aaacgatatg  | gccggagaat | cgataggaat | 1640700 |
| ccctgacgac  | tgtacgcttt  | ttacgacttc  | cgagtagccg  | gtcacaacag | ggcagttgta | 1640760 |
| actgttctgc  | tcctttcctt  | tccgttcaaa  | gatgacaaac  | ggcaggaaaa | tccggtcgac | 1640820 |
| cttctgcgct  | atcaggttct  | gtacatgacc  | atgaaccagc  | ttggccggga | aacaaatatt | 1640880 |
| atcggacatt  | accattcggg  | cactttgctc  | atagccggaa  | tatgtcgatt | ctcctgaaag | 1640940 |
| acggacttct  | attccgcaag  | ccgtcagcaa  | ggtgtgccag  | aacgggaaat | tctcatacat | 1641000 |
| gttcaagcta  | cggggaatac  | cgaccacat   | ccgcggtttt  | tcgggcacgg | tcttactgct | 1641060 |
| tccgaagagg  | agttcattct  | tgaagcggta  | gatattctcg  | cccggctgct | ccttcgaacc | 1641120 |
| gttggtaaaag | accttttcgc  | aacggttgcc  | tgaataatag  | ttcttaccgt | tatcgaaatg | 1641180 |
| gtaacggaat  | acctgacact  | gattatcgca  | tcccttgcaa  | tgcagcagat | gagttgaata | 1641240 |
| gtgtgcctga  | gaaactatTT  | catccagaga  | aaccaaagta  | ttgcaatgtt | cccttgcata | 1641300 |
| aatggcacia  | ccaaaggctc  | ccatcagttc  | cggcatatcg  | caccggatca | cctgagctcc | 1641360 |
| ggtcagttgt  | tccaaggcac  | gcaccacggc  | atcgttgccg  | atggttcac  | cttgacttac | 1641420 |
| aatatgcttt  | cccagttccg  | aaacatcttt  | cagtttcagc  | accttataca | aacaattctt | 1641480 |
| tacaacagaa  | taagcaagtc  | ccgcagcgat  | atcatctacc  | gtagcacctt | cacgaagcac | 1641540 |
| ttgctttacc  | ttcgaattca  | tgaagacagt  | acaacgtgaa  | cccagatcgc | acggtttcga | 1641600 |
| agaacggcag  | gcagcctgtg  | aaaaatcgtg  | tgccgtatat  | cccagcgtat | tggaacaaag | 1641660 |
| ttcgataaac  | gatccacagc  | ctgaagaaca  | agcctcgttg  | atttcaatac | ggtcaataat | 1641720 |
| gccgtcgttc  | acaaatatgg  | ctttcatatc  | ctgtccgccg  | atatccaaaa | taaacgaaac | 1641780 |
| gtctttatcc  | agataatggg  | ctgccacata  | gtgggctatc  | gtttccacaa | tgccggcatc | 1641840 |
| caactggaag  | gctgctttga  | ttaaactctc  | accgtatccg  | gtagagcagc | ttcccttgat | 1641900 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| attcaagggtt | gtctgcggtt | tcaaacactg | ttctttcaga  | aggttcagtc  | cctctgctac  | 1641960 |
| cgtttcgatg  | gcatgtccgc | cattgggttt | ataataagta  | aacaagatat  | tgctgtccga  | 1642020 |
| atcggtcact  | acaatcttgg | ttgtcgtaga | tccggaatca  | ataccgatat  | atacatcttg  | 1642080 |
| tacgccgggc  | ttcaacgatg | ctctacccag | cttatttttt  | gaaatctgct  | tctgccattc  | 1642140 |
| ttcatagtta  | tgataagcta | ctcataaata | cgattatgac  | aagtaatatg  | ttatgtaaag  | 1642200 |
| tgcaagactt  | ataaagtgag | caaacttatt | gaatattaaa  | gaattttatt  | agtccttctg  | 1642260 |
| tataaaaaact | tctcattata | ttgcattctg | tatatatcct  | aattattaaa  | gaatgatttt  | 1642320 |
| atggaaaaag  | tagaaattaa | aaagcttatt | gagcaatgtc  | tcaattattt  | ttatgaaagt  | 1642380 |
| ggttatgcga  | agggcactat | tgactattac | aagtgtttgt  | ggacaaaagg  | cattttacag  | 1642440 |
| tacatgtcgg  | acaaagggat | tgatatgtat | acacctgatg  | taggtgcgaa  | gtttatagag  | 1642500 |
| tccactcaac  | atcaagacat | gagtaatcat | gaatgtgaaa  | ggatacgtag  | tatacatgct  | 1642560 |
| cttaatgaca  | ttatgactgt | cggatatatt | agaaagcaat  | gtgttagagc  | agctttctac  | 1642620 |
| cctcttgatg  | gtgctattgg | aaaatagatg | gagaagttgg  | ttctacattt  | gatttcttta  | 1642680 |
| cgccgtggca  | aaaatacgtt | aaagcactat | cgttcatggt  | tgggtaattt  | tttgtattac  | 1642740 |
| ttagatatga  | ttggagtaca | aatataaag  | cagataacag  | aggaacatgt  | tatacggttt  | 1642800 |
| ctttcttccc  | aacagctaaa | cagggaaaag | actttgtcta  | ttattcgatg  | cctctttctt  | 1642860 |
| ttttggagac  | aagagaacat | tatagatgga | cgatttgagg  | aattcttcgc  | tacatatata  | 1642920 |
| ttacgaaaga  | aagaacgcat | accatcatat | tatacaacgg  | aagagattaa  | ggttatagaa  | 1642980 |
| aattctgtat  | cgcgaagtag | tgctttgggc | aagcgcaatt  | atgcaatgat  | tttattagca  | 1643040 |
| tcaagattgg  | gcttgctgtc | ttcagacatt | atgagtttga  | agttctcaga  | tatagattgg  | 1643100 |
| gataatgatc  | tcattaaatt | gaggatacaa | aaaacaggta  | aaaccattga  | acttccatta  | 1643160 |
| ttggcagatg  | tcggtaatgc | cataatagac | tatcttagat  | atggacgtcc  | agcatctact  | 1643220 |
| tcccaaaaaca | tatttctatc | aagtcgtgcc | ccatatattg  | ctgccactca  | gtctatgggt  | 1643280 |
| tgtggtaata  | tcaataaaat | aatccgcctg | tctggtgtaa  | atattgataa  | aaaacgccat  | 1643340 |
| ggtcctcatt  | ctttacggca | ttccttagca | agtaatatgc  | ttgaaaatgg  | ggctaccatg  | 1643400 |
| cctattatat  | cagaagttct | tggacatcgc | aacactgaaa  | caacgatgac  | ttatctaaaa  | 1643460 |
| ataaaccttg  | tagctttaag | gaaatgtgta | ttacctgtac  | cacctattcc  | agatagtttt  | 1643520 |
| tatacgcaga  | aaggaggagc | attttatggc | tgaacagttc  | aattacagta  | gtgtttttatc | 1643580 |
| tccatacatt  | aaacgaatgt | tggaaatccg | gaaatcaatg  | ggtattgttg  | attctcgtgt  | 1643640 |
| aagatggata  | cttaaagaat | ttgatgattt | tgctaattcc  | ataggattgc  | aggaaccaca  | 1643700 |
| tataacagaa  | gagtttgtta | agagatggca | taaatcacgg  | atatcagata  | aagagatcac  | 1643760 |
| tatttatggc  | aaatatcttg | tattgcgcca | actgacctca  | ttgatgtgcc  | gcaatggatg  | 1643820 |
| cgtatgttat  | ataccgatta | taccaaagca | accaaactcg  | gagtttacac  | cttatatata  | 1643880 |
| cacacatgac  | caaatatctc | aattgtttac | agctgccgat  | agcagccgtt  | tgtttaacaa  | 1643940 |
| ttgtatgaaa  | acagctatca | tttccatgcc | agtcattctt  | cgattacttt  | atagcacagg  | 1644000 |
| aatgcgtgtg  | tccgaggcct | tatatatgcg | taatgaggat  | gtgaatcttg  | actctggata  | 1644060 |
| catacatctc  | cgcaagacaa | aaaacagatg | tgaacgcctt  | gttcctattg  | gtgaatctat  | 1644120 |
| ggtaattgtg  | ttaaaacagt | atatagaata | tcggaataga  | atgcctatag  | aaaaaatttc  | 1644180 |
| tcatcccaat  | catctgtttt | ttactaaatt | agacgggaca  | agcttcaggg  | tatgtactct  | 1644240 |
| ttatgtcttt  | tttcataaac | tgctaaaaat | atgcaatata  | ccatatatag  | gaaatcgaca  | 1644300 |
| agggccacgt  | atccatgact | tgagacatac | ttttgccgta  | cattcgcttg  | tacaaatggg  | 1644360 |
| acataacggg  | atggatttat | acacagggtt | accaatactt  | tccgcatgtc  | ttgggcaccg  | 1644420 |
| ttctctttca  | tctactgaaa | aatatgtacg | acttacctgt  | atgatgtatc  | cggagtttga  | 1644480 |
| aaaacagtgt  | tctcctataa | atgcttttgt | ttatccaaaa  | ataacaacag  | attatgacta  | 1644540 |
| ccaggactga  | ttttgcaaaa | tatctaacga | gattttttatc | tgaatatattg | ccacatcaac  | 1644600 |
| gaaatgtgag  | caaaaacaca | attgcttctt | atcgtgattc  | tttcgtacaa  | ttcatcaatt  | 1644660 |
| atatgaaaca  | atagttcggt | aaaaattagc | ccagcctaag  | cggctctggc  | agtaaataaa  | 1644720 |
| atgagttctt  | tgaaaagtgt | gtcaattaat | tgctgttttg  | gttcaatccc  | agacacgcaa  | 1644780 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ataaatcggt  | caagcatgta  | agcattgtgt  | atgactgact  | tgcattgatga | tattggaatat | 1644840 |
| tttattccca  | tcttcttaca  | ggcagccttg  | gcgaggttta  | tcgctgcaag  | tgatgcatta  | 1644900 |
| aagtggaaatg | ccagtttctt  | gaagtctgta  | gactgacagt  | ttgctattcc  | ggcatgttgc  | 1644960 |
| ttggcatccc  | gaaagcagaa  | ttcgagttgg  | aaacgtgttc  | tgtaaaagtc  | caggacatcc  | 1645020 |
| tgtgcgttct  | gtatttcgtt  | tgtagagaaa  | tacagctgcc  | atttgtccgt  | tcttccatcc  | 1645080 |
| atgggggtacc | atacagccag  | gctcacaaag  | cgtttgagt   | ctttggagta  | tgctttcagt  | 1645140 |
| ccgtaaagtt  | tacccttggt  | cactttgtac  | tcggtacatc  | ttgtgatgtc  | cagattttca  | 1645200 |
| aagtcaattt  | tctcgtcatg  | taattttgga  | cgtccgcgtt  | ttcctgtcct  | atcttctaag  | 1645260 |
| gtgggataaa  | acaatacggc  | atcattcctg  | aaacggctta  | ttacgtggaa  | accgttatcg  | 1645320 |
| tacaatgggt  | tgatgaaagt  | tgcctttgaa  | agaacgcac   | cacacacgac  | tgtgccagaa  | 1645380 |
| atacgtttca  | gctgttcctg  | tatgctgata  | aggttaagagc | tgtaccagtc  | aacaagattc  | 1645440 |
| ttctcacagc  | tttccagcgt  | tgcgttgta   | gggtgtctgta | cagagcccaa  | agtcatacat  | 1645500 |
| tcatggtgt   | caacgtctat  | aactccaata  | ccggttattt  | ccagtccacg  | tttgtattca  | 1645560 |
| ccggcacaac  | cggaccagaa  | atagccaatc  | cacggcggtt  | tgctgcctga  | ttttggaatg  | 1645620 |
| aaagacggat  | caacggctat  | cgccttgca   | ccaccttaaa  | gggtgtccct  | gatgatggct  | 1645680 |
| tcattgaagg  | aaaaccagtc  | aaagccgtcg  | ttctcaaaat  | tggtgcggta  | tgtctgttcc  | 1645740 |
| gagaaacatc  | cataccgtcc  | cattttagtg  | aaattgatgc  | ggtcaggat   | agccatgaat  | 1645800 |
| aatttcattg  | catccatgaa  | tactttctga  | aaagatttgc  | ttatatattac | agctgattcg  | 1645860 |
| agagcgtttc  | tgactcggga  | ttggtattgc  | ataaggagtg  | attctttagt  | cataattaaa  | 1645920 |
| agtgtggaag  | tacttcta    | ttactaaaa   | tcagtgaatt  | atgaaatact  | ttttctgttg  | 1645980 |
| atcttcagct  | gttttagcata | tctttttcat  | cccttttctt  | actccttgac  | gatttattct  | 1646040 |
| tgacagtatt  | tcaatgatct  | cttgaatata  | atcttgaacc  | ggattatgcc  | gatttctatgt | 1646100 |
| ttaattttaa  | tttatcggt   | aaaatttacc  | gaagtattga  | tgaaagatat  | caatggaata  | 1646160 |
| cccgttgaac  | gacttctatt  | gaaacatctt  | acacgggata  | atgtcatcaa  | ttatctacaa  | 1646220 |
| tggttccaca  | atactaaaaa  | gaatacttca  | gcaacatgta  | attatagact  | tgctgcaatc  | 1646280 |
| aggtcattct  | gttcgtatct  | ccaatatata  | gtaatatgata | atatggtaga  | atggcaaagt  | 1646340 |
| atattgtcga  | taaaggcaaa  | aaaaacagaa  | ataagccctc  | ctaattatct  | ttcaatggag  | 1646400 |
| ggaataaaaat | tattattggc  | acagcctgac  | acaacttcat  | ggaaaggacg  | tcgtcattta  | 1646460 |
| gcattattgt  | cattaatgta  | cgatactggg  | gcaagagtac  | aggaaatcgc  | agatctcaca  | 1646520 |
| gtagattgtg  | tacgtattga  | tacaacacca  | tacactatac  | gattaacagg  | gaaaggacgt  | 1646580 |
| aaaacccgta  | tagtcccctt  | ggcagaagca  | caagttgaca  | ttttgcgtag  | ttatatggaa  | 1646640 |
| gaaaacaatt  | tgaatgatcc  | caacatgatg  | aaaaagcctt  | tatttttcaa  | tggtaggcat  | 1646700 |
| gaaaaattaa  | caagagagg   | tattacgtat  | attctgaaaa  | tctatgcaga  | catggcaaat  | 1646760 |
| aaacagcaac  | cagaaattat  | tccaaagaaa  | ataagttgtc  | attctattcg  | acatagtaaa  | 1646820 |
| gcaatgcac   | ttttacaggc  | aggagtaaat  | ttagtataca  | tacgtgatat  | tttagggcat  | 1646880 |
| gtttccatac  | agactactga  | tatttatgca  | cgtgccgact  | ccaaagcaaa  | acgtgaagca  | 1646940 |
| cttgaaaaatg | cctataccag  | attaaccctt  | aatactataa  | cagaaaaaga  | gtgggaacga  | 1647000 |
| aataagaacc  | tatttagagt  | gttaaaggga  | cttggacatt  | gataatatta  | tgtaaagtgt  | 1647060 |
| aagtgacaag  | ttggttcata  | acaacttgat  | tataaaccac  | cttttactcg  | cactttacat  | 1647120 |
| aacatattac  | ttgtcataat  | catagctctt  | ctgaccggaa  | aagatcggca  | tcaagccgct  | 1647180 |
| gactgattg   | tatgcagtcg  | atgtttcagc  | agtcagcttg  | gttatcagat  | cggaaagtct  | 1647240 |
| atatatccta  | cagtcgtcgt  | gtgccgacaa  | cgccgctccg  | gtagccggaa  | gcaacgcacc  | 1647300 |
| atcttccggc  | aaaataacat  | ccccttcact  | caaatgcaga  | tactccatga  | aagccttgcg  | 1647360 |
| caaagccgga  | atgaaggtaa  | gcggacctcc  | acaaaacaaa  | atcggcgact  | tgatatccca  | 1647420 |
| gccgtgagcc  | aacgtaacga  | cggctctggac | agctaccgca  | tgaaaaatag  | aagcggcaat  | 1647480 |
| atcttcccga  | cttacattct  | tggcaactaa  | gttctggata  | tctgttttgc  | agaaaaacacc | 1647540 |
| gcaacgtgaa  | gcgattggat  | aaatctgggt  | agcttttaaat | gccagttcgt  | tcaactgggtc | 1647600 |
| gacagttgtt  | cccagtatga  | cagccatctg  | atcgataaaa  | gctccggtac  | ctccggcgca  | 1647660 |



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| ctcaccacca  | atatctatca  | tggaagcaac | agacggataa  | tcctgccgga  | tggtttgagt  | 1647780 |
| ggcagcaacg  | acttcctgca  | caaacggaaa | cgcatactgc  | tccgacattc  | ccagtcccac  | 1647840 |
| cgaaccgggt  | acacagacgc  | tgacctcaat | atctcccttc  | tctattaata  | actctttcaa  | 1647900 |
| agtttcggcg  | acaactgctt  | ttgctctcgc | attgtgtctt  | ttatatctcg  | agaacaacag  | 1647960 |
| ctttttctct  | tcgccaata   | caacaatctt | taccgttgta  | gaacctatat  | caatacctac  | 1648020 |
| cttaaacata  | ttttgacctg  | ttttacatca | tagtcagacg  | caaaagtaga  | gaacatgttt  | 1648080 |
| tattctgagt  | tacgagtcaa  | gcaacaatta | acattattta  | gttctataaa  | taaaaacaga  | 1648140 |
| taaacctcct  | taacagatac  | gaatgacaaa | aaagagcacg  | gccttttttag | cctatccatt  | 1648200 |
| ctttccgatg  | cgaagcatga  | caatatagct | agttataagc  | aaatgggaag  | cagcagatta  | 1648260 |
| tacacagatg  | cctttcaaaa  | gaatgaaagg | tttacaacaa  | gaacaaatac  | aatcaaacag  | 1648320 |
| gataaaaagg  | acgatacgat  | tcataaaatc | tggaagaggt  | gtttccaaaa  | tgtctcgacg  | 1648380 |
| tttttttatt  | ttttgtacaa  | aaaataaaat | cttttgtaca  | aattttccaa  | aaagaaaagg  | 1648440 |
| atgcctttcc  | gggtttctct  | agagaaaaaa | ataaatgtcc  | ttcgctcttt  | ttacagcttt  | 1648500 |
| tcgtatttcc  | tataaaaagc  | gtgcaaaaga | agtgaaggac  | attcttcccta | tttccaataa  | 1648560 |
| taattagcgg  | ttaggtgtat  | cccagacctt | tgtttctactg | cactggatgt  | ctgtccactg  | 1648620 |
| gtcgccgcac  | ttcagcttga  | aatcaccttt | ttccaggcgc  | cacttgccgt  | cgtaaccaac  | 1648680 |
| aaaggcaagg  | tcacttccct  | tcagcttcat | cgttacggtc  | ttggtctcac  | ccggattgag  | 1648740 |
| tgctaccttc  | tcgaagttgc  | gcaggcggat | attgtcgga   | gtgctgcttg  | caaccagatc  | 1648800 |
| tttggaataa  | agcaggacac  | tttcttttcc | ggccaccttt  | ccggtgttg   | tcacgtcaac  | 1648860 |
| acttactgtc  | aatacgtcgt  | cggcagtaaa | cgacggcttg  | tcgactttca  | ggttcgagta  | 1648920 |
| gctgtaggta  | gtgtaactca  | atccgaaacc | gaattcccac  | tgacagttca  | ttacggcatc  | 1648980 |
| gtagttgtag  | tttccacca   | tctgtcccat | gttctcgcaa  | ggctttagtg  | cgtagttggc  | 1649040 |
| aaggaggttg  | atgtatttag  | gataggtgaa | aggcagcttt  | ccgctgaagt  | tggtatcgcc  | 1649100 |
| ggcgagcagg  | ttggcaagcg  | cgtcgccacc | gtagttgctg  | ggtaacatca  | cgtcgactac  | 1649160 |
| agcctttgcc  | agcggaacga  | tgtcgttgat | gatgcgcgga  | cggccttcat  | tcaatacgag  | 1649220 |
| gatgacgggc  | tttccggtag  | cagccagtgc | cttgaccaga  | ttacgctggg  | tttccgacag  | 1649280 |
| cgtcaggctg  | ctcaggttac  | ccggagtctc | gcagtacgag  | ttttctccga  | tgcaggcgat  | 1649340 |
| aatcacatca  | gcaccggcag  | ccgcagccac | ggacttctcg  | atttccgggt  | ggttctcttc  | 1649400 |
| ccaccagttg  | tcgttcttgt  | aaggagcata | ggtcacgccc  | ggttcgtaga  | tgatgttctc  | 1649460 |
| cttgccgtac  | ttgttgacaa  | gagcctcgta | gatggtgttg  | taggcaccgg  | cacacaagtc  | 1649520 |
| agccagatgt  | ccctgccagc  | tgtacgacca | gcctccgttg  | aggcagcgca  | tcgagttggc  | 1649580 |
| attcggaccg  | gcaagcagga  | ttttgtgcc  | cttggaagc   | ggcaggatgt  | tgcttctggt  | 1649640 |
| cttcagcagc  | acttccgatt  | cttcggcagc | ctgaagagca  | gcagcagcaa  | actccttcga  | 1649700 |
| accgaacttg  | tcgtatttct  | tgtatgtcca | gtacggatgg  | tcgaacaggc  | ccaagcgata  | 1649760 |
| cttcaggcgc  | aatacgcggg  | ctacggcatc | atcgatgcgg  | ctcatcggtg  | cctcgcttcc  | 1649820 |
| ctgaaccagt  | tccttcaggt  | agtgcagaaa | gctcacttcg  | taaggcacca  | tcgacatgtc  | 1649880 |
| gataccggca  | ttgatggcaa  | tcttgatggc | ctccttcttg  | ggttgctgaa  | tgtggtcgcg  | 1649940 |
| cgtacacaga  | ttattgatgt  | ccgcccagtc | ggtcacgatc  | agaccgtccc  | agttcagggtc | 1650000 |
| ttccttcagc  | cattcgggtca | gcagttcacg | ggttgcatgg  | aaaggcatgc  | cgttgtccac  | 1650060 |
| gcccgagttc  | accatcaccg  | acaaggctcc | ggctctaaca  | gccgccagga  | acggagcgaa  | 1650120 |
| atgcttctcg  | cgcagatccg  | aacgggaaat | agacgacggt  | gtacgggtcct | tgcccgatac  | 1650180 |
| cggaaacaccg | taaccatata  | aatgcttcat | gcaggcagcc  | acgttggtatt | caccgatatg  | 1650240 |
| gttcgggtcg  | cttccctgaa  | agcccttgac | cgcttcgaca  | cccatctgag  | cattttacata | 1650300 |
| gcaatcttca  | ccgtaattct  | cccacatgcg | cggccagcgc  | gggtcacgtc  | ccaagtgcgac | 1650360 |
| taccggtgca  | taggtccagg  | gaatgcagcc | ggccttcgct  | tcgtaagcgg  | agatttcggc  | 1650420 |
| accgcggcgc  | accagttccc  | ggttgaaaga | agctcccatg  | ttcactccct  | gcgggaacaa  | 1650480 |
| cgtaccgtcg  | agcgtgtagg  | tcgttccatg | aatctggtcg  | acaccgtaga  | tacaaggaat  | 1650540 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| acctatttct  | ttcatcgatt  | tatcctgaat  | ctgcttgatg  | gctgcagccc | atacttcttt  | 1650600 |
| cttctgagcc  | acactcaaag  | gaacattcaa  | gatagatcct  | accttatatt | taccgataac  | 1650660 |
| ggtatcgagc  | atggcttcac  | tcagcttgaa  | gccgtccttg  | cttcccggaa | aatcggttac  | 1650720 |
| cacatctacc  | gttatttcac  | acatctgtcc  | gattttctct  | tcgagtgtca | ttttcttcag  | 1650780 |
| ccattcctga  | atgtgcgcct  | cgattaccgg  | atcggcagga  | atagcaggag | cgatctgcgc  | 1650840 |
| cattcctgtg  | agacctccgg  | cacacatgat  | ggaagccatt  | gcccactttc | gaatgttatt  | 1650900 |
| catacgatta  | atcagttata  | aattgttgag  | ttgctttttt  | cagtcctgtg | cccgatactt  | 1650960 |
| ccagttggac  | cgttcccttc  | tgtccttcca  | gcgaacggat  | gataacttgt | gcctttccag  | 1651020 |
| cgaaaagcctt | gatacggaaa  | gtcttctccc  | cattgacagg  | acgttctatt | tccttgaatc  | 1651080 |
| ccggatcacc  | gtttccgtag  | cccaagatag  | tagcaggccc  | agtcagagt  | actgtcattt  | 1651140 |
| cattcatggc  | atcgggtact  | tcacgatttt  | tcttgtcttt  | caacgtcaga | tctacgattg  | 1651200 |
| caatatcctg  | accgtccgcc  | ttaaagcttg  | tattatacgg  | ctctacggaa | atgcggtcag  | 1651260 |
| ccttgctgtg  | cgtctcaatt  | ttctcttcca  | tgactttctt  | tccgcctttg | tatccttttag | 1651320 |
| ccactaagct  | tcccggacga  | taaaccgttt  | tccattcaat  | ataaccatcg | gcaggcattg  | 1651380 |
| acttccgtcc  | caacttcttt  | ccgttgacaa  | acagctctac  | ctcatcacia | ttactatagg  | 1651440 |
| cccaaaccct  | gacgctatct  | ccttcgtgac  | ctgccaaagt  | ccagtgcgga | gacaaatgca  | 1651500 |
| gcaccggttc  | gtcgggtccac | cacgatttca  | gatagaaagc  | ctcatctttc | ggaaagccac  | 1651560 |
| aataatcgaa  | tataccaaac  | tgcgagccgg  | ttgccggata  | aaacatcgga | ttcggttctc  | 1651620 |
| ctctgtaatc  | cagtcccgtc  | caataaaaca  | gtccggccag  | ccagggacgt | tcatgataga  | 1651680 |
| actgccagcc  | acgtaccatg  | gcattgacaa  | tacgattatc  | atcagcagcc | gtacgattaa  | 1651740 |
| tcggagccat  | ccagccacgc  | aacgaatcgg  | tgtaataaac  | gttacgcgtt | ccacatcccg  | 1651800 |
| atgtttcttc  | cgaaccacc   | tgagcatacc  | agtcgggggtg | ttcgcgatga | tattcatcta  | 1651860 |
| tcggattctg  | acggatataa  | ttatatcctt  | ttacatcgac  | tccgaaaaga | gaaaccgcgtc | 1651920 |
| caccggcagt  | accttgtgta  | gtcaaacgcg  | taggatccag  | ttgatgcaca | tattcactca  | 1651980 |
| tcgacttagt  | aatacgcaat  | ccgcgttcgt  | ttccttcgag  | cgccactct  | tcgtttccga  | 1652040 |
| tactccacaa  | aatgatacac  | ggatgattac  | ggtcgcgctt  | aatcatgcgt | tccagcaaat  | 1652100 |
| caatgtgttc  | cttattaatt  | cccatcaaac  | gattctcttc  | gatgaccagc | attcccatac  | 1652160 |
| ggtcgcacaa  | atcgagcatg  | gcaggcgata  | cgggattatg  | tgaagtacgt | atcgcattgc  | 1652220 |
| tgcccatcga  | tttcatcttt  | tcgatccggt  | atttccacaa  | tctgtcggga | atgccggttc  | 1652280 |
| ctacgcccgc  | atgatcctga  | tgcaagttag  | tacctttcaa  | cttgacggga | gatccggttc  | 1652340 |
| acaaaaatcc  | tttctgcgga  | ttgaactcaa  | tgttacggat  | tccaaaattc | gtcgtatacg  | 1652400 |
| tatcgaccag  | tttggtgcct  | atatatacat  | ctgtatataa  | ggtatacaaa | taaggatgtt  | 1652460 |
| ccaaatccca  | tagatgaata  | ttgtccatcg  | ccgccgactg  | caacaacttc | atttcttcct  | 1652520 |
| ccttgggagc  | taaagtcacg  | cttgattcct  | gcgtgcgaac  | gacttccctt | cctgtcgcac  | 1652580 |
| cgagaatacg  | attgaccacc  | ttacaatctg  | ctgcctccag  | ccctttgttt | gccaagcgga  | 1652640 |
| cctctatact  | cacatcagct  | gtcttgtaag  | aaggatcgat  | ctgcgttgca | acaaatgtac  | 1652700 |
| cgaaaaggaa  | gacatgtacc  | tgcgacatct  | tgtccagcca  | tacatcgcca | taaatgcccg  | 1652760 |
| ctccttcgta  | aaaccatccc  | tcctctgtac  | tggcatccac  | acggacagtc | agcagggtttt | 1652820 |
| caccaccata  | attcaagtat  | tctgtcaaat  | cgtacacctg  | agtagcgtag | ccactcggct  | 1652880 |
| cgtgacctaa  | ataaaaaccg  | ttgcaaaaaga | cctgcgcac   | acgaaaaatg | ccgtcgaacc  | 1652940 |
| ggacactgat  | atgttttcct  | aaatctcctt  | ccggtatgta  | aaacttacgc | cgataccatc  | 1653000 |
| cgacactggg  | ctccggatat  | ttccatccga  | tagtcttgta  | tccatgacta | tggcttgcc   | 1653060 |
| ctctcgaaaa  | aggaagatct  | accaccaggt  | cgtgcggcaa  | atttacgac  | tgccatgtgc  | 1653120 |
| tatcattaaa  | ctgttcggaa  | ctgggaccct  | gattttgatt  | aaaagctttt | gcttttgtaa  | 1653180 |
| gataagtaaa  | atattctgtg  | ccatgggtaa  | aatcttttac  | catatcgcc  | gcatggccat  | 1653240 |
| aagcaaat    | ccaccggtg   | tttagcaata  | tagcctctct  | tgccgtgttc | gcactaaccg  | 1653300 |
| acaaacatgc  | aataaattgt  | acaagtaata  | aaacagataa  | tagttttttc | ataatattct  | 1653360 |
| cacttagatt  | ataaactctc  | tagaaggga   | aagctcatca  | ctctacagac | caattcaatc  | 1653420 |

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|             |             |             |            |             |            |         |
|-------------|-------------|-------------|------------|-------------|------------|---------|
| cccgctcgtga | tgagcctgta  | tttttgtctt  | tacgggatta | gtctgctgcg  | gcatttcaag | 1653480 |
| aaaagcgctc  | cagcacttcc  | atgcacattc  | gtccgttatg | ataaggacat  | ttccagaaac | 1653540 |
| cagccttatac | gtcttttgta  | ttaaccgtac  | cgtcggcata | caaactccaa  | tgccactccc | 1653600 |
| cgtgctctct  | gtcaacccaa  | tggttcttga  | taaaattcca | acaccgcaac  | gctttctcca | 1653660 |
| aggccgactg  | atcggcaaaa  | tgctggtaga  | gattcaggtg | accgactacg  | ttctcggctt | 1653720 |
| gtaccaccca  | gtgcagttcg  | cgatcgatct  | ttcctttact | tacaaagttt  | tcataaatca | 1653780 |
| tgctgccatc  | cggattcagc  | ccttcacatc  | ccgcagccgc | tatcttaaca  | ataaccggct | 1653840 |
| ctaccttttt  | aagcaaatca  | tcctctccta  | agaccaaagc | tgcttcgtga  | atcaaccacg | 1653900 |
| aggcctcaat  | gtcatgcccg  | tacgatacaa  | tctgatactt | attggtccag  | tcgtcttcaa | 1653960 |
| aaaatagatt  | caggtgataa  | gtatttgcac  | ccagtatctt | atccagaaaag | acgttgacca | 1654020 |
| aattacggat  | ctgcttcttc  | aggcgttcat  | ctttccacac | ccgatacaga  | ttggtataag | 1654080 |
| gctccagaat  | atgcaaatgc  | gtattcatgg  | ttttcttctc | attctcgtct  | ttatcactca | 1654140 |
| gacgcataat  | ctctatcgga  | taccagtcgc  | gggtaagcgc | ttccagatag  | ccattctttt | 1654200 |
| ccgcatacga  | actatacttt  | tcaatcactt  | caaacaaacg | tttggcataa  | tccagtgcct | 1654260 |
| ctgcatacgc  | tgtggcacgg  | gcataattcac | tcaatccata | gatagcaaag  | ccaatggcat | 1654320 |
| agatttgttt  | tttcgtatcg  | agcggcttcc  | cttcgcaatc | cagttcccag  | taaataccgc | 1654380 |
| caaactccgc  | atcgtagaaa  | tgatcaatca  | gataacgttt | ggcacgcgct  | gccgtttcca | 1654440 |
| gatactcatc  | tttccgcaac  | aagcggtaag  | cagccgagaa | agtccacaag  | atacgggctg | 1654500 |
| tcagaatcgc  | tcctttcgaa  | gccgaggcct  | ccaagacatc | gtttcctgta  | atgcggccat | 1654560 |
| agaagcctcc  | atgttcgcga  | tcgaccatct  | ttgtcatcca | aaacggaaga  | atgttatatt | 1654620 |
| ccagctctgc  | ctttacttca  | gtacataact  | ggcttatatt | ttcattgcac  | atcttttttt | 1654680 |
| gattttcgtt  | ttaagtcca   | ttgttccatg  | atgcctttca | tcttttggtc  | acccagcgga | 1654740 |
| tagaaaaccga | ttaaagataac | cgaaataaag  | gctgctattg | caggaagaat  | actcagaaac | 1654800 |
| atcttaatac  | cattgatggt  | ttcagcactt  | tgtaccgcac | tggcctgaaa  | tccgaagaaa | 1654860 |
| gacaacagcc  | atccggttac  | tgccgtacca  | atcgcccacc | cgaatttctg  | gctcatcgac | 1654920 |
| gaggcactga  | agatcaatcc  | cgtggcacgg  | ttgcccgttt | tcaattccga  | gaaatcggca | 1654980 |
| caatcggcat  | acatggacca  | gagtaaaggg  | aaaatactac | ccgcacaaat  | actaatcaga | 1655040 |
| catttgaata  | tgaaaatcaa  | catcacatcg  | tctttgtcga | accagaagaa  | gataatactc | 1655100 |
| aagacagaag  | ccaccagcat  | ggaaagagca  | aatgtttttt | tcttcccgat  | cttgttactc | 1655160 |
| atgggagctg  | ccagaataac  | tcctacaata  | ttggcaatct | gtccgatgga  | aagatacagt | 1655220 |
| ccgctcagta  | caaacgagac  | ccccatcagc  | gagatggtac | ggatattcat  | ttctatcaca | 1655280 |
| aagtatttga  | aataatatac  | tgctgctccg  | tcacgaatgg | aattgaagac  | caaagtagcg | 1655340 |
| actccggcac  | cgaacagtat  | ccaccaaggc  | ttattgtgga | acaagtcctt  | tatatcgtct | 1655400 |
| ttcaaagaag  | ttttcttgtc  | gttgataggt  | tttaccggtt | ctctggtcca  | ggcaaagcat | 1655460 |
| ccgaaaaaca  | acaaggcaca  | cataatggct  | attacaacca | cagccataac  | ccatccgaac | 1655520 |
| tgctggctgc  | ccaactcctt  | actgtgcccg  | ctgaaagcat | ttaccatcgg  | cataaaaagc | 1655580 |
| agcaacgcga  | taaagcttcc  | gagataagca  | aacatcatac | ggtaagtggg  | aagcgtgttt | 1655640 |
| cgttcggccg  | gatcgggact  | catgactccc  | agcaacgaag | catagggcac  | attaatagcc | 1655700 |
| gaatacacca  | tcatcatcag  | cgaataggta  | atataggcat | acaccagttt  | ccccatatcg | 1655760 |
| ccaaagggag  | gtgtatagaa  | agtaagtact  | cctatgagtg | caaacggaac  | cgccagatac | 1655820 |
| aacaagtacg  | gacgaaactt  | tccccatcgg  | ctggaagtac | ggtcggccac  | taccccgaca | 1655880 |
| atcgggtcga  | ataccgaatc  | ccatatacga  | gtaaccagga | acatcgttcc  | caccatggca | 1655940 |
| gcaggtaatc  | cgaacacatc  | cgtataaaat  | atcatcaaat | aggctccgaa  | caacttccag | 1656000 |
| aacatggaag  | aagccatatc  | tccaaaacca  | taaccgatct | tttccgtgag  | ttttatcata | 1656060 |
| gtagtactta  | ccttcttttt  | tatttcatca  | atttcatggt | cttatcaatt  | aactttttca | 1656120 |
| atgtttctac  | tgaagctgtc  | gtagtacagc  | catcctgcgg | agtattcata  | caataatcca | 1656180 |
| ccagtttgtc  | gattgtagaa  | acagccacat  | gcatacgggt | atcggaagaa  | gcataataaa | 1656240 |
| tgtacaccgt  | tccatcctca  | tcggcaatcc  | agccattggt | gaacaagaca  | ttcgaaacat | 1656300 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| caccgatgcg  | ctcttctcct  | tggggagcca | tgaagtaacc | acccggagag  | gcaatcagct  | 1656360 |
| tgctgggatac | ttccagtga   | gtcatataca | tatacagtac | ataacgcaaa  | ccagccgcgc  | 1656420 |
| agccacgtac  | accatgcgcc  | aagtgaacc  | atcccttggg | tgtcttgata  | ggatgagggc  | 1656480 |
| cctcaccgtt  | ctttacttcc  | ttgatggat  | gataataacg | gcaatcgata  | atcttttctt  | 1656540 |
| ccttaatctc  | tgcatgagta  | atctcgtcta | ccagcgccca | gccaatgccg  | ccgccgcttc  | 1656600 |
| cggcatcgat  | aaatccatcc  | tgccgacgag | tataaaaggc | atacttgccg  | tcgacaaatt  | 1656660 |
| ccggatgaag  | caccacatta  | cgctgctggc | tcttcgactt | caagtccggc  | agacgttccc  | 1656720 |
| atgtcttaaa  | atccttttga  | cgggcaatcg | cagccgttgc | agtagcagaa  | gacaaatctc  | 1656780 |
| cggcaggcgc  | attgtttgtca | tgacgttcgg | cacagaaaat | accataaatc  | cagccgtctt  | 1656840 |
| catgagcagt  | gagacgcata  | tcgtaaatgt | ttgtagccgg | tatcacatcg  | tcgggcatgg  | 1656900 |
| tgataggata  | atcccaaaag  | cggaaattat | cgactccgtt | cgggctctcg  | gctacggcaa  | 1656960 |
| agaaagactt  | acggtcggca  | ccttccacac | gtaccaccaa | caaatacttt  | ccgttccatt  | 1657020 |
| taatggcacc  | cgaattcatg  | gttgcatcca | ttccgatacg | ttccatcaga  | tacggattcg  | 1657080 |
| ttttctcatc  | gaggtcataa  | cgccagaata | ctggtgtatg | ggcagccgta  | agcaccggat  | 1657140 |
| acttgtaacg  | agtatacaca  | ccattcgtat | gttctacagg | ttcgtttctta | cgggtaataca | 1657200 |
| gttcttcgta  | ctgattgaac  | aatctcttta | ctttttcttc | aaaggcattc  | attgctataa  | 1657260 |
| attttatatc  | tatcaattat  | tttacatttt | tcatatctcc | ggcaaacaat  | gtacgcgggt  | 1657320 |
| catcatagaa  | ttttacaaag  | tcgtcagctg | agacttgtcc | cggataagga  | gcgtaaaaat  | 1657380 |
| ggttcttctt  | ctcacgggca  | tttctcata  | ccaacacata | gctgatcgga  | tatttttcta  | 1657440 |
| tcaccggcat  | cagcgtctgg  | gtccaccaa  | cagaatcggg | aatggtttcg  | taaccggttt  | 1657500 |
| cggttacagc  | catcgctttc  | tgatgggctt | tgctcacttg | ggatataatg  | gcaagtgcac  | 1657560 |
| tatccaaact  | ctttacatag  | gcattcttat | caaactgata | agcatctaca  | cctatcaaat  | 1657620 |
| caataatact  | gtcgcgggga  | taacgttcca | gatattcagt | agaatcctga  | ggctctgtac  | 1657680 |
| ccggagagta  | agcatacaaa  | agctgagtag | ctcctttttc | ctgcatacgg  | tcgtatgtca  | 1657740 |
| tcttccatag  | tgctttataa  | tcttcagcag | agcacaagtt | ctttcccccac | cagaaccagc  | 1657800 |
| tgctgtatg   | ttcatgccac  | ggacggaaca | gtaccgggac | ctttactcct  | tccggagtct  | 1657860 |
| gtatagaatt  | caagtaatcg  | gcaatcttat | ccaaccaacc | gataaactta  | tcatgattca  | 1657920 |
| ctccaccggg  | taaaatggac  | ttcactacgg | tagaatcact | gacgtcccat  | gcattcctttc | 1657980 |
| ctgttacagg  | attatctaca  | tgccaactga | atgacgacat | tcctccccgc  | tcatactgtg  | 1658040 |
| caatgacttc  | cttccggata  | cggtcgaccg | aaacattatc | caaagtcttg  | tcgccgtata  | 1658100 |
| tttccattct  | tcccagatcg  | aaagacatca | tagccggata | atctccgcag  | acacttttta  | 1658160 |
| catcgcttct  | attttcatcc  | ccatcccatc | cgattccgta | tacaggatca  | tcgtgatgac  | 1658220 |
| cgaacatgaa  | ttgtttatgt  | tgaggaaatt | tcttcagaac | ttccagcatg  | gaatatgctt  | 1658280 |
| caggcggttt  | atctatttct  | gattgctttg | cctgtcgcgt | gccgcaagca  | gtcagacaag  | 1658340 |
| taccgataat  | catagttgaa  | ataacagctt | tcgagatttt | cataataatt  | agttttacta  | 1658400 |
| tttaacatca  | gcaaagatag  | agaaatttta | taccacggaa | tgatacaatt  | ttagcataaa  | 1658460 |
| tgtatacgtt  | ttttcttttt  | aaaaaattct | gtaattaccg | aaataaaaaga | aggagtgact  | 1658520 |
| atgtttttcag | tatagccact  | ccttatattc | aacaatatga | aatcaatctc  | atttaaaaga  | 1658580 |
| cggaaagctga | tcacgagaga  | ttacatacga | ttgtgacata | gcatccagcc  | accattcctg  | 1658640 |
| atctgcatgc  | gacaggggaag | caccttctcc | atcataccat | ggcataaacc  | acaaccagcg  | 1658700 |
| ggctcctgca  | ctccactgtt  | ctgaaagtaa | gcccaactct | gcattagcat  | caatattagc  | 1658760 |
| tccgcattcg  | ctcaatgtca  | ccatcttatt | tccatgctcc | gataccgtga  | tctgatattg  | 1658820 |
| agaagcacaa  | tctgcagcat  | cgtttccata | caggtcccga | ccaataatat  | caacatactg  | 1658880 |
| atcaccggga  | taccaatctg  | tatcaccggt | ttcagttgtc | catacccata  | tcagggttatc | 1658940 |
| caagccctga  | gccttgaaat  | aatcaaacat | ctgaatccat | agcttcttaa  | agctttcagc  | 1659000 |
| atccttacc   | caccagaacc  | atccaccggc | agcttcatga | agcggacgcc  | agatgactgg  | 1659060 |
| aataccggca  | tctttcagta  | atttaagata | accagcaact | tttgccaaat  | cattgtttat  | 1659120 |
| cgtctgatat  | tcccatgttc  | cttcggtaaa | agcgttatct | atatcaaaag  | aagtctgac   | 1659180 |

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|             |            |             |             |             |            |         |
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| tttataaaaa  | gcgacatcac | tgctcccttc  | ggatacagga  | acattccagt  | gccacatggc | 1659240 |
| ggcaaccaat  | ccaccatcat | tccaccagtt  | tctgactgga  | gtaatatctc  | catagtcaat | 1659300 |
| ccaactacct  | gccgccgaag | cattcagatg  | aatgtaatca  | aagcaattca  | gtgccggata | 1659360 |
| tttttctgtc  | caactataca | ctcgttccgc  | ctcttccgta  | ttccatgcca  | cattggccat | 1659420 |
| tatacccgag  | attgttttct | gttcgtaggt  | ttcctgcaag  | aagttatata  | cgttctgagc | 1659480 |
| ctcggttgtc  | aatgtgtaaa | caggttcagt  | gtccactccc  | aaagtggtaa  | agctaatttc | 1659540 |
| aacagcagga  | gccggcatgg | aattaggacc  | tgtgaccaat  | ccttccggaa  | cagaaaatgt | 1659600 |
| ataggtcgaa  | ttgcgagaag | gacaatttac  | gactacgacc  | aatgtagggc  | ttgaaccaat | 1659660 |
| cacgtcagca  | ctcacgatgc | ttccatcatt  | ggaaatcgat  | aataaatctt  | ttttctgcga | 1659720 |
| tgcaaaaaat  | acatttttat | cataagttag  | attaatcgctc | acatttcctg  | cctttatttc | 1659780 |
| agtggcacca  | gatgcaggag | tagaagaaac  | aagtgtcgga  | gatgctacct  | gcgctatttc | 1659840 |
| atgctctact  | tctgtagaac | aggaaagcgt  | agtaaacaat  | gctgctatta  | gcaacaaaca | 1659900 |
| tatatagacc  | ttattcatac | ttttataact  | tattatttaa  | tataaactga  | ttcgattgta | 1659960 |
| taattctgtc  | cgctaacaat | taaacctcct  | gcttgcaact  | gagtcaagac  | atcctgagta | 1660020 |
| attgtcaatg  | aaaaatttcc | atcaatagta  | aaatactcca  | taccgaggagc | aatagctccc | 1660080 |
| caagtactac  | catccttaaa | tgatccttgt  | gctccagatt  | gcaaattgga  | aacgactacg | 1660140 |
| gtaattacct  | gtcctacctg | agccgctgtg  | aatgaagcag  | atggatatctg | tgcgtaacta | 1660200 |
| gaccatgaac  | ctgtatctag | cggaccttca  | aaaataagtg  | tcccataga   | acctgtaatt | 1660260 |
| tcaagcggat  | aagaaattgt | accattcgaa  | gaaatcaatt  | ccagatttac  | ggaaccaact | 1660320 |
| acatcggcag  | gcaaagagat | caacaacttc  | gtatcgcgta  | agatgaattg  | aacttgattt | 1660380 |
| cctgctatca  | taactcgttc | cagcttatct  | ccgttggcaa  | catccaattc  | caacaaggct | 1660440 |
| cctgcttcaa  | ctttatctgg | gacattttaca | agataacagc  | actgagggtt  | cgagatggga | 1660500 |
| agtgaaggag  | cttctacctg | ctctccatta  | tgcatattca  | acacaatact  | acccgtttca | 1660560 |
| gcctgcattg  | gaacgactac | agacagggtg  | tgtgccgaag  | aagaagtaac  | ttctactgtc | 1660620 |
| tgtccgccgt  | tgaatgttac | tgaagtaacc  | aaatccagat  | tttgaccatt  | tatctgcaaa | 1660680 |
| ctttcgcctg  | ccggaaccga | ggaaggagta  | tagctttcta  | cctgcgggtt  | caatgtttca | 1660740 |
| attgttacac  | taacctgttt | gccactcttc  | gtattcaata  | taagattacc  | actctgagct | 1660800 |
| ttttcaggca  | tagttacttt | cagttcacat  | tccgactgag  | ctgtcggcac  | aatcgcttca | 1660860 |
| tcaactcccg  | ggaaagacaa | atcagtaaca  | acatccagat  | tagttccaga  | cagaacaatt | 1660920 |
| tcatctcctc  | cccgaagacc | tgaagctgga  | acagcagcaa  | catctgtcgg  | tatagccatg | 1660980 |
| cttacatgag  | caacaacaac | ttctactccc  | gaagcaggta  | caacaacaat  | atcaccatcg | 1661040 |
| gagggtacttt | ctggtaatgc | aaacgttatt  | tcggttgaat  | tattcaacgt  | aaattcaact | 1661100 |
| tccgttccat  | cgggcatgat | cacctgacga  | actaaatcaa  | gatgttgtcc  | tgatatttcg | 1661160 |
| accaaactcg  | ccggcttagc | attctcctta  | ttcacaacat  | cctctacaga  | tggaatgtc  | 1661220 |
| acgactaact  | catcttctga | ataaattaaa  | ttaggcagtt  | cttcaccatc  | agacagaata | 1661280 |
| atttgtccgg  | tttgagcctc | ttgagggaca  | atcaactgta  | tcgtattacg  | ttcatgcgta | 1661340 |
| ataaaaattgt | cttccgatac | aaccacctca  | tctgcaaaaa  | tgacttcatg  | aatcagattc | 1661400 |
| agatactctc  | cttcgatcgt | caactcatct  | cccggcaata  | cagccgacgg  | agtaaagctt | 1661460 |
| tctattgaaa  | tgggttccgt | aaaggtcaac  | tctgtctttg  | ttgtgatatc  | tccattagga | 1661520 |
| gttcttaaaag | taaccagtcc | cggttgcgct  | tcctgaggaa  | cagtgatagc  | gatttccgta | 1661580 |
| tactgatta   | ccttaatatc | tgtaatatcg  | gcacaccccg  | gaagaacgac  | agccgtcacc | 1661640 |
| tgattcatac  | cacttcccaa | gaatctcaat  | tcgccgccac  | gtgcaacagg  | agacggaccg | 1661700 |
| aaaacattta  | aacttatttc | tcctatatac  | tggttagtat  | ctacttcatc  | acctttcagg | 1661760 |
| catgaagtaa  | aagaaacgcc | tgtcaataaaa | agtgtctcctg | ccaagcaaag  | caccgacaat | 1661820 |
| ttattttgtt  | tcattgtaat | tcattttttg  | attaataaat  | aggaacaact  | cggatattat | 1661880 |
| cgatacagat  | agttggagaa | caagctgttc  | cagttactcc  | tccgttccat  | acaataaaag | 1661940 |
| tcaaaccagt  | aatgtctgtt | gccgacaacg  | gagaaattga  | aataccagaa  | gcaccgtaac | 1662000 |
| ggaaaatctga | taaaggaatc | gttaccgttg  | tccatccggt  | agtagtataa  | cttcctgtag | 1662060 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| tattatttcc  | gcttacctcg  | ttatttgttg  | tgagcaatac  | ctgcatagca  | catgcgctcc  | 1662180 |
| aagcgtcggg  | tacatttact  | tcaaacttca  | attgcaaatt  | actcaagtct  | tcaaaatcga  | 1662240 |
| ccaatgtatt  | cagataagga  | gtagcttcat  | ctccataagg  | ccaatattca  | aaagcaaagt  | 1662300 |
| cagtatcatt  | ccaagcaccg  | ttatccagat  | cgccctggaa  | aatcaaataa  | ttaccatcca  | 1662360 |
| gtgaagcaac  | cttgtccaat  | gtgccaatcg  | ttgctgcatg  | ccaaccatta  | tcttttgcta  | 1662420 |
| tagcatcatc  | gccatcatca  | tcaaagtcga  | acaaaatacc  | atcacactcc  | atataacgga  | 1662480 |
| aagtagactg  | tccggttcca  | taaatagatt  | ccacattaat  | gtatcccat   | tcagcccat   | 1662540 |
| cggttataac  | gaagcttaca  | gcatttctcg  | tcaggctcagt | tatctctgta  | actggaacat  | 1662600 |
| tccctatttc  | tatcgataac  | ggaacattcg  | ggatcatcgat | aaaataatct  | ccataaattg  | 1662660 |
| tagcaaccgt  | acccggttga  | gcatattcgt  | tcgacataga  | agttatttcc  | ggtgccggaa  | 1662720 |
| ccaatacatt  | gaaatcatag  | gttacggttt  | catgattctt  | attagtcaaa  | taaattcttat | 1662780 |
| tggttaaccac | actcgggtatt | gtagaaggaa  | tatccacaat  | caaagtattg  | tccgtaatca  | 1662840 |
| aacttgtatt  | cagaatcgct  | ttctgatcgt  | tgaataaag   | ttcataaaca  | cttctcagat  | 1662900 |
| tttctccaac  | caagcaaadc  | gtatttgcca  | tataagctcc  | tgttatcaat  | gaatcggcta  | 1662960 |
| cctccggatc  | tgtcatatcg  | atgtatttca  | cagtaggaag  | tccatctgat  | atttcatatt  | 1663020 |
| tatctggttc  | atcttcacat  | gaagttacta  | ccattccaga  | gataatagct  | ccaatcataa  | 1663080 |
| ccaagccttt  | tatatatttt  | agtattgctt  | tcatitttact | tctattttta  | ttaataacta  | 1663140 |
| tactcacttc  | gtacatccac  | atgaatcggg  | tcttccatca  | gatgaggatt  | aaagacaaca  | 1663200 |
| tcttctgtag  | ggaacggcaa  | tgtaaagctt  | gaaatagtaa  | cattagggtt  | gactgcggta  | 1663260 |
| ggattataacc | gatgttcttc  | cggattttacg | gtaaaagtac  | cagtctgata  | atatttttta  | 1663320 |
| tacaaatcat  | ccaaaccata  | gtagacatca  | cggcgctgat  | ttgtcaattc  | atctattgct  | 1663380 |
| ctttgtggat  | cataataaga  | caaacgaaca  | tagtcataacc | agcgggtctcc | ctcacaagct  | 1663440 |
| aactccaaac  | gacgttcttt  | ccatacatct  | tcccacgtaa  | tgacggaagg  | acgttcgtat  | 1663500 |
| gtactaataag | ctctatgacg  | tacctgataa  | aaagcatcga  | ttgcagaggc  | atcagtagtt  | 1663560 |
| gacccattat  | tacctatcat  | agcttctgca  | taaatacaat  | agacatccga  | taaacgtaac  | 1663620 |
| aaatgagtac  | tcaactgact  | atgctgagtt  | gaggcagata  | ccccggttgc  | cgtcaaataga | 1663680 |
| tcatgtggcat | taccatataa  | ctgttttacc  | tcattttgcac | ctgtctcact  | ttgataagta  | 1663740 |
| cccggaccac  | ctaaattatc  | tgtatcataa  | atgaaattga  | tataattgaa  | accaccttta  | 1663800 |
| tcctgccaaa  | aatattcata  | aacatcacca  | cacatcatca  | tagtcgcttt  | acggcgtgca  | 1663860 |
| tcgccattat  | aacgcgtggg  | acttaaggca  | ttctcaccaa  | aagcatcttg  | caaatacaaca | 1663920 |
| gacggtccgt  | tataccctcc  | ccaacagtca  | caaattcat   | cgaaccaggt  | tatagctaaa  | 1663980 |
| tccgactgta  | aggcattctg  | acaagtccaa  | gcatacagaag | aagccgacca  | atgccatgat  | 1664040 |
| aacagacact  | cttcattgaa  | attgtttgct  | agacggaata  | catctgaata  | gttctccaac  | 1664100 |
| aagtgtctgc  | ctgaattatc  | aataacatct  | ttcgcataag  | ccgcagcctg  | acgcaagtca  | 1664160 |
| tcttcatttc  | tagatccgtt  | cattccatag  | ccgacttag   | taagataaac  | cttagccagc  | 1664220 |
| aaacctttag  | cagtatactg  | atcgatacga  | ccctccgaat  | ttgaaggagg  | caacagttct  | 1664280 |
| attgcctttt  | ccagtgtcat  | aacaatgtac  | tcataaacat  | ctggaatctg  | tactttatac  | 1664340 |
| ttttcattgt  | agttgccttc  | cgctatatcc  | gaagagttac  | tgtgaacgat  | aggcactgct  | 1664400 |
| ccgaaagtac  | gtaccagata  | aaagtaagcc  | atagccttcc  | ataccagaca  | ttcacctatg  | 1664460 |
| catgtatttt  | ttgtctgatc  | tgaactgta   | gcagacagaa  | gtctttcacg  | aattgtattt  | 1664520 |
| gcatacgcac  | ttaccgacca  | caaagaataa  | gacataattt  | tcaaactctc  | atctgtacca  | 1664580 |
| ttcacagtaa  | aggtcaaata  | tggagaagag  | ccccaatagt  | aattaccagc  | cagcacctca  | 1664640 |
| cctactttta  | agaaaccgcg  | ttgaaaatca  | aaccaggagg  | agttatacaa  | aggatttact  | 1664700 |
| ccctgaaagc  | attgctcatc  | gttctgataa  | aagttatcga  | cattgtatga  | atcttctgcc  | 1664760 |
| ggacgatcca  | agaaatcatc  | acaagaagat  | atattgatac  | ctaagacggc  | tgctaaagcc  | 1664820 |
| caatatttta  | tattattcaa  | tttcataacc  | atcgtttttt  | tagaaagaaa  | cattcaatcc  | 1664880 |
| gaaagaataa  | acagtaggag  | aaggataacg  | accattatcc  | aaaccataaa  | catttgcact  | 1664940 |

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| ttggatattt  | gcataatatac | gaagattatc | caatcccat   | ttctttatca  | tctttccagg | 1665060 |
| gaaagtgtat  | cccaaagtaa  | tattcttcaa | gcggatata   | gaaccatctt  | ctacataacg | 1665120 |
| atcactaata  | cggctggtat  | cattagggtc | ttgtatggag  | gcacgaggga  | tagttgtacc | 1665180 |
| agcatttgca  | acccgtacat  | tggaatatc  | atcataccaa  | ttgtctattg  | tcacaccatt | 1665240 |
| aacaacaact  | cccgcagaat  | aatctttatt | cggatctatc  | ggaacaatct  | gggcacgac  | 1665300 |
| taaaaccgta  | ttcaactgat  | tactccaagg | tgaattcatg  | tgagtcaact  | tcatgccaa  | 1665360 |
| atagttgtat  | accttattac  | catacgatcc | attgataaac  | aacgacaaat  | caaaattctt | 1665420 |
| gtatctaaat  | gtattgggtc  | atccaaaagt | aaacttaggc  | agcggagaac  | ctatattggt | 1665480 |
| tctatcattt  | tcatcaataa  | ctccatcgcc | attcaaattc  | ttatatttaa  | tatcacctac | 1665540 |
| ccaaactgta  | ttggttctgt  | tgaacacacc | attagacgga  | tatttgacgg  | gtttggccga | 1665600 |
| tgtctgcaaa  | tcttctagat  | cttcgtatac | accatcacat  | acataaccat  | agaaattata | 1665660 |
| tagagattcg  | cctacattag  | tcacacttac | aacatcactc  | catgaccat   | atcctacaat | 1665720 |
| ctgggcattt  | gccgtacat   | cgagtgcacg | caatttattt  | ctattaaatg  | aaatctgaaa | 1665780 |
| atctgaatcc  | cattcaaaag  | ctccaacaag | cggatgagta  | ttcaaagaga  | tttccaacc  | 1665840 |
| tttattttcg  | atgtcaccat  | agtttcccat | cgggtgcagcc | aaagcagaag  | aagcatttcc | 1665900 |
| cgacgtaccc  | atataagaag  | gaagttgcaa | agacatcaac  | atatcttttag | aaaccttttt | 1665960 |
| ataccagtcg  | acaaccagat  | ttactctttc | gtggaaaaag  | cctaaatcaa  | taccacatt  | 1666020 |
| gacttgttcc  | tgagtttccc  | atttgactcc | caagtttgca  | atattagact  | ggcgataacc | 1666080 |
| taatcccaat  | ccggtcggca  | ttctcgacat | acttgctccc  | catcggtatc  | cgccaatatt | 1666140 |
| cgaattacca  | gtttgtcccc  | atccaagacg | cagttttacca | ttactaatca  | cattggtcaa | 1666200 |
| aggctcgaag  | aatttttcat  | tagagaaacg | ccaagatcca  | gctacggcat  | ggaaaccagc | 1666260 |
| ccaacgatta  | tcaggcccga  | aattcgatga | accatcgtaa  | cgataagtat  | aggtagccaa | 1666320 |
| atatctatct  | gcatagttgt  | acgtcagacg | agtaaagaaa  | gaagccatcg  | ccgaactacc | 1666380 |
| aaatccagaa  | ttaatagacg  | gagtacctgt | acccaatgca  | ggattatgaa  | ctatatccga | 1666440 |
| aggtaagtta  | gtattggcta  | ccgaagtata | atcataatta  | gactcccagc  | attcttgccc | 1666500 |
| taacattgca  | gtgaagctat  | gcttatcaat | ctgaccatta  | taagttacat  | agtttttcaa | 1666560 |
| ttgccagaat  | gtactattat  | ttttttgtat | agagctagag  | ttactatcac  | gcttccagtt | 1666620 |
| tcctaaatct  | actttcggct  | gataacgctc | acctttgttg  | taactgatat  | cataacccaa | 1666680 |
| ttctgtatgc  | caggtttagat | tcttcatcaa | agttacgtct  | gcaaaaatac  | tacctgtcaa | 1666740 |
| tttctggcgg  | tacaacagaa  | tctgatccat | catagccatt  | gcaatcgggt  | tcggactagt | 1666800 |
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| tactgtctgc  | aatgaataac  | tgatgatacc | ttggtcacta  | tcggccaact  | tcaaatcatc | 1666920 |
| tttggtagaa  | gaataagtgg  | cattcagtc  | aatctttaac  | caaggtttca  | gctgcgcac  | 1666980 |
| cagattcgta  | cggaaacgaat | aacggttaaa | gctggaacct  | atcaatgtac  | catcctgatc | 1667040 |
| catataagat  | cccgaacat   | aatatttcac | tttatcagta  | cctccttggt  | ctgaaatctg | 1667100 |
| atgctgatgc  | tgcaatgctg  | tacggaatac | ggcatcctgc  | cagtttgtac  | cgacacccaa | 1667160 |
| caaagaagga  | tcggcataag  | tagagctctt | ttccagttca  | cccgtatcga  | cgaagtcggt | 1667220 |
| ataaaagctg  | gcaaactcac  | gcaagttcat | catgtctaga  | cgctttgtct  | gacgctgtac | 1667280 |
| agccaacata  | ccatcataag  | taaacttagc | ctcaccagcc  | tttctcgtt   | tcgttgtaat | 1667340 |
| caagacaact  | ccgttcgcac  | cttgggcacc | ataaatagct  | gttgccgaag  | catccttcaa | 1667400 |
| aattttccatt | gaaacaatat  | ccgagggatt | gatggtagac  | agaggagaaa  | tagtagaaac | 1667460 |
| agatccatta  | cccaatgcat  | cacccaatcc | aaagtctgca  | cccgaacgaac | cacctccttg | 1667520 |
| tacaatcaca  | ccatcgatta  | catacaaagg | ttccgcattc  | gaattaattg  | tagcttgtcc | 1667580 |
| acgcacacga  | atagaagaag  | aagaaccggg | agctccagat  | gttggttacag | ccgacacacc | 1667640 |
| agccgcacga  | ccttgcaaag  | actggtccaa | atttgtgatt  | acagaacctt  | taatcgcac  | 1667700 |
| ctctcccacg  | gaaacagaag  | ctccggaag  | gtcactcttt  | ttcatcgtac  | catagcctac | 1667760 |
| caccacaact  | tcatccaacg  | tttctgaatc | ttctttcagc  | acaatgttca  | aagaagtctg | 1667820 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| attggttatt  | ttaatagttt  | gtgtaacata  | gccgatataa  | gaaatttcaa  | gtgttgctcc  | 1667880 |
| aggagacaca  | ttcaaaacaa  | agtttccatc  | aaaatcggtt  | atgactccgt  | ttgttgacc   | 1667940 |
| tttttcaagg  | acattagcac  | caacaacagt  | ttcaccagta  | gcatcaacta  | cctttccttt  | 1668000 |
| aatttgcttt  | ttagcctggt  | gcataacttc  | tgacgcattt  | gctccagaag  | cccacacctg  | 1668060 |
| ctgtacattc  | cccactgaaa  | gggcagcaaa  | tgcaccagct  | atcagcacgc  | atttccttac  | 1668120 |
| atttttatcc  | ataactacaa  | tacttcggta  | aatttttacc  | gataaattaa  | aattaaacat  | 1668180 |
| agaatcggca  | taatccggtt  | caaaattata  | ttcaagagat  | cattgaaata  | ctgtcaagaa  | 1668240 |
| taaatcgta   | aggagtaaga  | aaagggatga  | aaaagatatg  | ctaaacagct  | gaaaatcaac  | 1668300 |
| agaaaaagta  | tttcataatt  | cactgatttt  | tagtaaatta  | gaagtacttc  | accactttta  | 1668360 |
| attatgacta  | aagaatcact  | ccttatgcaa  | taccaatccg  | agtgcagaaa  | cgctctcgaa  | 1668420 |
| tcagctgtaa  | atataagcaa  | atcttttcag  | aaagtattca  | tggatgcaat  | gaaattattc  | 1668480 |
| atggctatac  | ctgaccgcat  | caatttccta  | caaatgggac  | ggtatggatg  | tttctcgga   | 1668540 |
| cagacatacc  | gcaacaatth  | tgagaacgac  | ggctttgact  | ggttttcctt  | caatgaagcc  | 1668600 |
| atcatcaggg  | aacaccttaa  | aggtggtcgc  | aaggcgatag  | ccgttgatcc  | gtctttcatt  | 1668660 |
| ccaaaatcag  | gcagcaaaac  | gccgtggatt  | ggctattttct | ggctccggttg | tgccggtgaa  | 1668720 |
| tacaaacgtg  | gactggaaat  | aaccggtatt  | ggagttatag  | acgttgacaa  | ccatgaatgt  | 1668780 |
| atgactttgg  | gctctgtaca  | gacacctgac  | aacgcaacgc  | tggaaagctg  | tgagaagaat  | 1668840 |
| cttggtgact  | ggtacagctc  | ttaccttatt  | agcatacagg  | aacagctgaa  | acgtattttct | 1668900 |
| ggcacagtcg  | tgtgtgatgc  | gttcttttca  | aaggcaactt  | tcatcaaacc  | attgtacgat  | 1668960 |
| aacggtttcc  | acgtaataag  | ccgtttcagg  | aatgatgccg  | tattgtttta  | tcccacctta  | 1669020 |
| gaaaaatagga | caggaaaacg  | cggacgtcca  | aaattacatg  | acgagaaaaat | tgactttgaa  | 1669080 |
| aatctggaca  | tcacaagatg  | taccgagtac  | aaagtgaaca  | agggtaaact  | ttacggactg  | 1669140 |
| aaagcatact  | ccaaagcact  | caaacgcttt  | gtgagcctgg  | ctgtatggta  | ccccatggat  | 1669200 |
| ggaagaacgg  | acaaatggca  | gctgtatttt  | tctacaaacg  | aaatacagaa  | cgcacaggat  | 1669260 |
| gtcctggact  | tttacagaac  | acgtttccaa  | ctcgaattct  | gctttcggga  | tgccaagcaa  | 1669320 |
| catgccggaa  | tagcaaaactg | tcagtctaca  | gacttcagga  | aactggcatt  | ccactttaat  | 1669380 |
| gcataccttg  | cagcgataaa  | cctcgccaag  | gctgcctgta  | agaagatggg  | aataaaatat  | 1669440 |
| tccatatcat  | catgcaagtc  | agtcatacac  | aatgcttaca  | tgcttgaacg  | atttattttgc | 1669500 |
| gtgtctggga  | ttgaaccaaa  | cacgcaatta  | attgacaaac  | ttttcaaaga  | actcattttta | 1669560 |
| tttactgcca  | gagccgctta  | ggctgggcta  | atttttaacg  | aactattgta  | actattttttc | 1669620 |
| tatgattaat  | aaattcttat  | caattagatt  | tcgacaaaag  | ctaacaaaca  | tatttcctct  | 1669680 |
| tacatcaata  | cttcggtaaa  | tttttaccga  | taaattaaaa  | ttaaacaatag | aatcggcata  | 1669740 |
| atccggttca  | aaattatatt  | caagagatca  | ttgaaatact  | gtcaagaata  | aatcgtcaag  | 1669800 |
| gagtaagaaa  | agggatgaaa  | aagatatgct  | aaacagctga  | aatcaacag   | aaaaagtatt  | 1669860 |
| tcataattca  | ctgattttta  | gtaaattaga  | agtacttcac  | cacttttaat  | tatgactaaa  | 1669920 |
| gaatcactcc  | ttatgcaata  | ccaatccgag  | tgcaaaaacg  | ctctcgaatc  | agctgtaaat  | 1669980 |
| ataagcaaat  | cttttcagaa  | agtattcatg  | gatgcaatga  | aattattcat  | ggctataacct | 1670040 |
| gaccgcatca  | atttcctaca  | aatgggacgg  | tatggatggt  | tctcggaaca  | gacataccgc  | 1670100 |
| aacaattttg  | agaacgacgg  | ctttgactgg  | ttttccttca  | atgaagccat  | catcagggaa  | 1670160 |
| caccttaaaag | gtggtcgcaa  | ggcgatagcc  | gttgatccgt  | ctttcattcc  | aaaatcaggc  | 1670220 |
| agcaaaaacgc | cgtggatttg  | ctattttctgg | tccggttggtg | ccggtgaata  | caaacgtgga  | 1670280 |
| ctggaaaataa | ccggtatttg  | agttatagac  | gttgacaacc  | atgaatgtat  | gactttgggc  | 1670340 |
| tctgtacaga  | cacctgacaa  | cgcaacgctg  | gaaagctgtg  | agaagaatct  | tggtgactgg  | 1670400 |
| tacagctctt  | accttatcag  | catacaggaa  | cagctgaaac  | gtattttctgg | cacagtcgtg  | 1670460 |
| tgtgatgcgt  | tcttttcaaa  | ggcaactttc  | atcaaaccat  | tgtacgataa  | cggtttccac  | 1670520 |
| gtaataagcc  | gtttcaggaa  | tgatgccgta  | ttgttttatc  | ccaccttaga  | aaataggaca  | 1670580 |
| ggaaaacgcg  | gacgtccaaa  | attacatgac  | gagaaaattg  | actttgaaaa  | tctggacatc  | 1670640 |
| acaagatgta  | ccgagtacaa  | agtgaacaag  | ggtaaacttt  | acggactgaa  | agcatactcc  | 1670700 |



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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| aaagcactca  | aacgctttgt  | gagcctggct  | gtatggtacc | ccatggatgg  | aagaacggac  | 1670760 |
| aaatggcagc  | tgtattttctc | tacaaacgaa  | atacagaacg | cacaggatgt  | cctggacttt  | 1670820 |
| tacagaacac  | gtttccaact  | cgaattctgc  | tttcgggatg | ccaagcaaca  | tgccggaata  | 1670880 |
| gcaaactgtc  | agtctacaga  | cttcaggaaa  | ctggcattcc | actttaatgc  | atcacttgca  | 1670940 |
| gcgataaacc  | tcgccaaggc  | tgcttgtaag  | aagatgggaa | taaaatattc  | catatcatca  | 1671000 |
| tgcaagtcag  | tcatacacia  | tgcttacatg  | cttgaacgat | ttatttgcgt  | gtctgggatt  | 1671060 |
| gaaccaaaca  | cgcaattaat  | tgacaaactt  | ttcaaagaac | tcattttatt  | tactgccaga  | 1671120 |
| gccgcttagg  | ctgggcta    | ttttaacgaa  | ctattgctta | cataatacca  | gattttaaaat | 1671180 |
| cacacatata  | aagatctatc  | tacagctaca  | aaaatagaaa | ttaaataaaa  | cagttaataa  | 1671240 |
| tactatttta  | tccataactt  | atactgcaaa  | tattttacaa | tagaaacaga  | tttggactac  | 1671300 |
| acgccattaa  | aacatttttc  | ctcttgctat  | ctgtataaac | cctattgtgt  | agtattcctc  | 1671360 |
| acaacaatat  | ctcgtatagt  | ttttccatac  | ttaagagcta | ttaaccatta  | caaatttaga  | 1671420 |
| taggattaat  | acataaatcc  | gatataatct  | taattaatca | tttacattat  | aatatcttct  | 1671480 |
| gaaaaattgt  | tttacacagg  | ttgaatgcc   | accatatact | cttttggtta  | aacaaatatt  | 1671540 |
| tttatgtaca  | attacttccc  | aaaagtcaac  | caaacatagg | taatatatta  | gaataaaaaat | 1671600 |
| tcctcttaca  | aataaagaat  | atgctatccg  | acaccaattc | ctttgacaaa  | gcagctttca  | 1671660 |
| tacgaataac  | taatgggaac  | taagacatca  | tacaggtata | tcatacacaag | cctaattcct  | 1671720 |
| tcagaaacat  | tatagcctct  | ttactcattg  | tgacaactgt | atattatttt  | ttaatgaggt  | 1671780 |
| ccgtcaccga  | taatagttaa  | atccacgacg  | ggcaactcat | aaattatctg  | aatctaattt  | 1671840 |
| caatttgcca  | ccaaatcatt  | tcgtttcatt  | caactcctgg | ttggcttgct  | ttatcaaagc  | 1671900 |
| aatggtacta  | ctatccgaag  | caaagaccga  | attcagccct | tgctgctcct  | gagccggatc  | 1671960 |
| acccgtataa  | tcatacccg   | gcttccagta  | ttcatgttcc | gtagaaggat  | tggccagacc  | 1672020 |
| gccccatccc  | caaaaattac  | aacctgcaaa  | caatgaatga | gaagcagcat  | gttccggtac  | 1672080 |
| cagggtcaaat | atataattgt  | aataggcatc  | acgtgccatt | accggagaag  | acttgctcga  | 1672140 |
| acggaactcg  | tctcgagggt  | atccgaattc  | ttccatcacc | aaagggtttct | gatacttctt  | 1672200 |
| tgctactacc  | aaatgctcgt  | cgatataagc  | ttttgaattc | cgtttagcct  | tttccagatt  | 1672260 |
| ttcctgcaaa  | ctatccttcg  | gagcccatcc  | ccaattataa | ggccaaatat  | gaatattcag  | 1672320 |
| atagtcgaca  | ttggaatctg  | catgaatttt  | ttcgaacagg | tctagatcca  | tttcacagcc  | 1672380 |
| ccatttacc   | tcgctgccgg  | tagacacgag  | atgattcggg | tcaagcgatt  | ttattaaagc  | 1672440 |
| agccgcctta  | ctcatccagt  | tggcaaaaaca | ttctttattc | gcaggcaaaa  | atgcacgagg  | 1672500 |
| ttcattacct  | atctgccacg  | acataatggg  | cggatcgtct | atatagcgca  | ccttggtata  | 1672560 |
| acggtttgta  | cgagtaatta  | catcttttac  | ataattagca | tagagagctt  | gcgcgctgtc  | 1672620 |
| cgaacaaaca  | aactgtccgg  | caaagttcat  | gtaagccgca | taaccgtcga  | cagcgggtgc  | 1672680 |
| cggggccttt  | ccgtaacctg  | cccactgaag  | atactgacca | tatcctccac  | tccattccca  | 1672740 |
| ggagtatttc  | agataaagca  | ctgccagcat  | atcacgtttc | gacatttcag  | caagcagata  | 1672800 |
| atccagtccc  | gcaaaaattg  | tatcattata  | aacaccgggg | gcaacctgaa  | gggtcggctc  | 1672860 |
| taccttagca  | gctatccctc  | tttctccatc  | ggagccaacc | aatatacgca  | gattgtcaat  | 1672920 |
| acccatattt  | ttcagggaat  | cgagttcacg  | acacaaacgc | tgacggtttc  | caccctcacc  | 1672980 |
| ttctgaacct  | aaaatagctc  | cataccaaaa  | gttggtacca | acataataat  | aagggtttacc | 1673040 |
| attgcgtacg  | aaatgaccgt  | tttctaccgg  | gacaaaatct | tttatctgtt  | gcttttgaga  | 1673100 |
| tgctgtagta  | cacgaaaaag  | caaacagcag  | caacaacatc | gatacaatta  | aattccgttt  | 1673160 |
| ctgcatatct  | attagattta  | tttttaacaa  | tgcaaaatta | cagggaagca  | tcacacaaat  | 1673220 |
| atgatataat  | tttatccaat  | agtttacatc  | tatatacatg | aacggtacac  | ctctatatac  | 1673280 |
| acgcaaagggt | gtcgactact  | ttacaatagc  | cacaccttta | tccgttatcc  | tagcaatatc  | 1673340 |
| ttaccttttc  | aaatacgaaa  | catatccaac  | gaatttaacc | tcaaagaaaa  | cgatgcattt  | 1673400 |
| cgaacagacc  | ttttcatttt  | acctgtaaag  | tttggtttac | aatgtgcccc  | cattctttca  | 1673460 |
| catccttgct  | tgccataacc  | gtatcctgtg  | cagaaggata | aagcatggag  | cagggtttcat | 1673520 |
| ccttatctgc  | tatcgaccat  | gcagcccagc  | tgatagcatg | ctcatccatc  | catgaaaccc  | 1673580 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| atcgattcca  | ttcctgcaag | tctatcttac  | catctccgctc | ggcttccatg  | cctgcacatt  | 1673640 |
| ccgaaacaaa  | aatcggaagt | ccttttttca  | acgcatagtc  | agcacgctca  | cgcagccaag  | 1673700 |
| ccttatgggt  | tgccgcatag | aatgaagtg   | tatacattac  | attatattcg  | tccgaaacag  | 1673760 |
| gattatcggc  | cgccagatgt | atatacctgat | cccaatgggg  | agttcccacc  | aaaataagtg  | 1673820 |
| cttcactgtc  | tataccacga | atacaactta  | ttatttcctc  | ggcatagctt  | tttacatttt  | 1673880 |
| cccatgaatc  | gtttatcggc | tcgttaaaca  | cttcgtatat  | cacattggga  | atacctttat  | 1673940 |
| aacgacaagc  | catttccttg | aagaaagctt  | tcgcctcttc  | ggtatgcaat  | ccgtggctgt  | 1674000 |
| gccagtctat  | aatgacatac | atatcattcg  | caatggctgc  | atccgccact  | gtcgtgacac  | 1674060 |
| aatccagtgc  | cttttgccgg | tcactcagat  | aagctccttt  | aggttccact  | cccatagctg  | 1674120 |
| cacgaatcag  | agtacaatgc | cagtcttctt  | tcagcatctt  | taccacagac  | gcattgtaaa  | 1674180 |
| aacgaggcca  | ccagttatgc | catcccatac  | tgactccttt  | cagtacaacc  | ttatcacctt  | 1674240 |
| gttcattttac | tagaaaagtt | cctttaacag  | acaagcgctc  | tacagctgca  | tgtacaggaa  | 1674300 |
| cactactaca  | taagatgacg | aaacagagca  | acaagcaagc  | tctgaaaaga  | gaaaaatatg  | 1674360 |
| ttttcatttt  | ttgcagtttc | atagtatcca  | atatccaatc  | aataaatttc  | cattcgattt  | 1674420 |
| acttatcgca  | aagatacacc | atcactacta  | aaaatagctg  | tactatttta  | tcatattttca | 1674480 |
| ttcatttctt  | cttaaccgga | acagaacgtc  | tatccagcaa  | cagacagaca  | agaagcggct  | 1674540 |
| ccctttcatc  | ccctgacaaa | agaatgaaaa  | gggaaccgct  | ttctgcacac  | agactcttac  | 1674600 |
| ccttatctca  | ctaaatgata | ctgcgtttct  | tccggttaatt | atcccgggaat | tccttaggag  | 1674660 |
| aacagttttt  | cttctttttg | aagatacggg  | tgaaattcga  | cagattatta  | aaccacact   | 1674720 |
| catagcagat  | ttcggctacg | gccatcggtg  | aatcgacaag  | cagacgagtg  | gcatgaccca  | 1674780 |
| gacgcaagtc  | aataatatag | tcggagagat  | tcttgcccgt  | tcgcaacttg  | aagaagcgac  | 1674840 |
| tgaaagaaac  | ctccgtcatg | ccaacctgt   | cggccaattt  | tccaagcctg  | atctcctcct  | 1674900 |
| gataatgttt  | cgctatatag | ttctgcactt  | tctgtactcg  | ccggctgtcc  | gaatggactt  | 1674960 |
| gtatcttagc  | aaacgacgag | ctcgacaatg  | tccgtgcctg  | atcggtaaac  | aaagacaact  | 1675020 |
| cataaagcag  | cataagaaaa | tgaatcacgg  | catagaagcc  | cttcatttcg  | ggcaacctgt  | 1675080 |
| cgataagcga  | ataaaccttc | attaccgcat  | ctaccggaaa  | gcataatccg  | tactgcgctt  | 1675140 |
| tgctgagcat  | cttacgaatc | atgtcgaact  | gatttggtatc | tatcaggcca  | ctaataagag  | 1675200 |
| caggaacaaa  | ctgaatgggt | atttcgcgga  | tgtccgaaga  | agtacaggta  | ttctgttccc  | 1675260 |
| acacatgctc  | cagatcggga | cttgtaatca  | gcaccagatc  | ataatcgctt  | attacctcag  | 1675320 |
| acgaatcgcc  | gacaatacga | cgtaccccg   | gtgcatgcac  | tacaaaattc  | aattcaaact  | 1675380 |
| cccgtgcgga  | atgcatcgga | tatgtaaact  | ctttcttggtg | cctgtcggct  | atataaaaaac | 1675440 |
| aatccttctc  | tgataaagga | gttattttcc  | gtataaaaatt | atcattttaat | tgtttatcca  | 1675500 |
| tagcaatact  | tcggtaaat  | tttaccgata  | aattaaaatt  | aaacatagaa  | tcggcataat  | 1675560 |
| ccggttcaaa  | attatattca | agagatcatt  | gaaatactgt  | caagaataaa  | tcgtcaagga  | 1675620 |
| gtaagaaaag  | ggatgaaaaa | gatatgctaa  | acagctgaaa  | atcaacagaa  | aaagtatttc  | 1675680 |
| ataattcact  | gatttttagt | aaattagaag  | tacttcacca  | cttttaatta  | tgactaaaga  | 1675740 |
| atcactcctt  | atgcaatacc | aatccgagtg  | cagaaacgct  | ctcgaatcag  | ctgtaaatat  | 1675800 |
| aagcaaatct  | tttcagaaa  | tattcatgga  | tgcaatgaaa  | ttattcatgg  | ctatacctga  | 1675860 |
| ccgcatcaat  | ttcctacaaa | tgggacggta  | tggatgtttc  | tcggaacaga  | cataccgcaa  | 1675920 |
| caattttgag  | aacgacggct | ttgactgggt  | ttccttcaat  | gaagccatca  | tcagggaaca  | 1675980 |
| ccttaaagggt | ggtcgcaagg | cgatagccgt  | tgatccgtct  | ttcattccaa  | aatcaggcag  | 1676040 |
| caaaaacgccg | tggattggct | atttctgggtc | cggttgtgcc  | ggtgaataca  | aacgtggact  | 1676100 |
| ggaaaataacc | ggtattggag | ttatagacgt  | tgacaaccat  | gaatgtatga  | ctttgggctc  | 1676160 |
| tgtacagaca  | cctgacaacg | caacgctgga  | aagctgtgag  | aagaatcttg  | ttgactggta  | 1676220 |
| cagctcttac  | cttatcagca | tacaggaaca  | gctgaaacgt  | atcttctggca | cagtcgtgtg  | 1676280 |
| tgatgcgttc  | ttttcaaagg | caactttcat  | caaaccattg  | tacgataacg  | gtttccacgt  | 1676340 |
| aataagccgt  | ttcaggaatg | atgccgtatt  | gttttatccc  | accttagaaa  | ataggacagg  | 1676400 |
| aaaacgcgga  | cgtccaaaat | tacatgacga  | gaaaattgac  | tttgaaaatc  | tggacatcac  | 1676460 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aagatgtacc  | gagtacaaag  | tgaacaaggg  | taaactttac  | ggactgaaag  | catactccaa  | 1676520 |
| agcactcaaa  | cgctttgtga  | gcctggctgt  | atggtagccc  | atggatggaa  | gaacggacaa  | 1676580 |
| atggcagctg  | tattttctcta | caaacgaaat  | acagaacgca  | caggatgtcc  | tggaactttta | 1676640 |
| cagaacacgt  | ttccaactcg  | aattctgctt  | tcgggatgcc  | aagcaacatg  | ccggaatagc  | 1676700 |
| aaactgtcag  | tctacagact  | tcaggaaact  | ggcattccac  | tttaattgcat | cacttgcagc  | 1676760 |
| gataaacctc  | gccaaggctg  | cctgtaagaa  | gatgggaata  | aaatattcca  | tatcatcatg  | 1676820 |
| caagtcagtc  | atacacaatg  | cttacatgct  | tgaacgattt  | atttgctgtg  | ctgggattga  | 1676880 |
| accaaacacg  | caattaattg  | acaaactttt  | caaagaactc  | attttatttta | ctgccagagc  | 1676940 |
| cgcttaggct  | gggctaattt  | ttaacgaact  | attgcatagt  | attcgtcttt  | gttattcaca  | 1677000 |
| aaagtataaa  | ataaaaatgat | tgttcacaag  | gtctaaagaa  | aagttcgggc  | acgctacttt  | 1677060 |
| ctttcttccg  | caagtcaggga | aaagaccatc  | gtaaaactctc | ttcaaaaacc  | tgccgaggtt  | 1677120 |
| ttctgaaaat  | ttgtacaatt  | ttttttgttt  | ttgtacaaat  | tctaactggg  | ttctctaaac  | 1677180 |
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| tgaaaagcat  | gaaagtaaaa  | aacaagattt  | gcctgctggc  | aggattctcc  | ttgcttgccg  | 1677360 |
| gaaacatgtg  | ggcacaaaac  | atctgtatTT  | ctactccaaa  | cacatctctt  | gtgctgaatg  | 1677420 |
| caccgactgg  | cggggagttg  | aaataccttt  | attttgggaa  | caagctgagt  | gaaactgact  | 1677480 |
| tgcagaacat  | cgacggggca  | aagaactgtg  | accatacggc  | ttatccggtg  | tatggcatga  | 1677540 |
| attgtccgag  | cgagacggct  | ctgtcggtaa  | gacatgccga  | cggaaacatg  | tccgcccgaga | 1677600 |
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| tgaaagacaa  | agtctatcct  | ttttatatag  | atgtatgcta  | caaagcttac  | acaaatgtcg  | 1677720 |
| acatgataga  | aacctggacc  | gaaatcagtc  | actctgaaaa  | gaaaccgggc  | tacctcactc  | 1677780 |
| agtttgcac   | ggcttacttg  | cctgtgcgca  | ggggcaatgt  | gtggatttct  | catcttgccg  | 1677840 |
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| tcaagaataa  | ggatggagtg  | cgcaactcgc  | atacctcaca  | tgccgaagtg  | atgttctcgc  | 1677960 |
| tcgacggagc  | tccccgcgaa  | aacgaaggtc  | gggtcatcgg  | agccgcactt  | tgctatacgg  | 1678020 |
| gcaactacaa  | gttaagaatc  | gataccgacg  | acagtgacta  | tcacagttc   | tatgcgggca  | 1678080 |
| tcaacgaaga  | gaactcgtcg  | tacacgcttc  | ccaagaaaga  | aatattccgt  | actccagccg  | 1678140 |
| ttgccctgac  | ctataccgac  | gaaggactga  | gcggagcaag  | ccgcaatttc  | cataaatggg  | 1678200 |
| gaagaatgta  | taaactggct  | catgggaata  | aggtagcgga  | tattctgctg  | aacagctggg  | 1678260 |
| aaggagtcta  | tttcgacatc  | aatcagcagg  | ggatggatca  | gatgatgggc  | gacatcgctt  | 1678320 |
| cgatgggcgg  | cgaattgttt  | gtcatggacg  | acggatgggt  | cggcaataaa  | tatccgcgca  | 1678380 |
| agaacgacac  | ctcttactg   | ggcgactggg  | tggttgataa  | gaacaaattg  | cccgatggaa  | 1678440 |
| tcgaaggatt  | gataaaggat  | gctaagaagc  | acggcatcaa  | attcggctct  | tggaattgagc | 1678500 |
| cggaaatggc  | gaacactacc  | agcgaactgt  | acgagaagca  | tccggactgg  | atactgaaag  | 1678560 |
| ctccacagcg  | tgatccggtc  | ttgggacgtg  | ggggcacgca  | ggttgctactc | gacctcgcca  | 1678620 |
| atccggagggt | acaggatttc  | gtattcaagg  | tagtagacga  | cctgatgaca  | cagcatcccg  | 1678680 |
| acctcgctta  | tatcaagtgg  | gatgccaaata | tgagtatcat  | gaaccacggg  | tctaattatc  | 1678740 |
| tgacagccga  | taatcagagt  | cacctgtata  | tcgaatatca  | tcggggattc  | gagaaagtat  | 1678800 |
| gccagcgtat  | ccgcgccaaa  | tatcctgact  | tggtcattca  | ggcttgctgc  | agcggcgggc  | 1678860 |
| gtcgtgccaa  | ctacggttac  | ctgccttatt  | tcgatgagtt  | ctgggtaagc  | gataatactg  | 1678920 |
| atgccctgca  | acgtgtatat  | atgcagtggg  | gaacctctta  | tttcttccct  | gccattgcca  | 1678980 |
| tggtctcgca  | catcagtgcg  | gctcccaatc  | atcagacttt  | ccgcagcatt  | cctctgaaat  | 1679040 |
| accgtatcga  | tgtggccatg  | agcggacgac  | tgggcatgga  | gattcagcct  | aaaaacatga  | 1679100 |
| ctgacgaaga  | aaaggatttg  | tgccgcaagg  | ctatcgccga  | ctacaagaag  | attcgtccga  | 1679160 |
| ttgtacaact  | gggagatatt  | tatcgtctgg  | tttctcctta  | cgatcatttg  | ggtgttgctt  | 1679220 |
| cgctgatgta  | tgctactccc  | gagaaagata  | aggctgcttt  | ctattgggtg  | aagaccgaac  | 1679280 |
| acttcgtcaa  | ccagcatctg  | ccgcgtgtta  | ccatggcagg  | actcgatcct  | gaaaagactt  | 1679340 |

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| atcacaagca  | gaacgattat | tccagtcggg | tactgtatct  | ggaggaagtg | aagtaagagc  | 1679520 |
| ttttcacttg  | cctgtgcaaa | aggcaaagag | aaaagatggc  | aagacttgtc | cggagaagag  | 1679580 |
| aatgatttta  | aattcaaact | ccgccaaccg | tctactataa  | gcagtaaata | accgtatcat  | 1679640 |
| tctcaggcaa  | acggaggatg | atgcggttat | tttttctttt  | gcaacaacta | tgctctccag  | 1679700 |
| accaaacgtt  | atccaacgtt | tttcctaate | tctcataaca  | gacacggaga | atggccttat  | 1679760 |
| cgcctgctga  | agattttcca | gacaaattgt | atactcccgc  | aagaaacgta | tccacattgc  | 1679820 |
| aatgtctaca  | acagattttt | atctgaagtc | tgaacctcct  | tgtcgaaaag | aaagtctgcc  | 1679880 |
| tcaacataga  | aaacaataga | caaaccaact | tataagctat  | gaattacaat | taaaaaaaat  | 1679940 |
| ctcctgcttt  | agccttcggt | tatgataatt | acgtggctaa  | aagcaggaga | tttttcactt  | 1680000 |
| tgaattttta  | atctatcaga | tttttacttt | gagcagttct  | atttaaaaac | agtctcaaat  | 1680060 |
| cttggagttg  | tcatcggtac | gcatcgaagg | aattgtttca  | gttctgacgt | tccttcgtct  | 1680120 |
| atcgaagccg  | tcggttacta | ttattcccaa | ttgtctgtac  | ggaacggata | caaaggcaat  | 1680180 |
| tcacgcaaac  | ctgcaacatt | tccgatctgg | aagtcacgga  | aacaataacg | tacagcaacc  | 1680240 |
| ggctgagcca  | ccttatcgca | tgtcacttta | atctgcaagt  | tattgaaaac | ttcaaccttt  | 1680300 |
| gccggataaa  | agaccttatc | acttccggct | acttcgaaac  | cttccatgcc | cgacaagcgg  | 1680360 |
| ttaaagccct  | cttctgcatg | gtcgaacgac | aagataacgg  | caccgtcttt | tacttccatt  | 1680420 |
| gatttgtaaa  | ccggaccgta | agcttctatg | cccggcacat  | gataggctct | gctcagagcc  | 1680480 |
| atataagcca  | gacgttttcc | tacatctgtc | ttgttcttgg  | gatgaacatt | ctttatctca  | 1680540 |
| taaggctgta  | ccagatcggt | tgtcgaaatc | attccactat  | tcgggatgat | ggactgcgcc  | 1680600 |
| ttgaactgtg  | cttcacgcaa | gtaggcgctg | gctgtcggtt  | ccgtagagtt | gaaaggagca  | 1680660 |
| atctctacat  | aatagaacgg | aagttcgccc | agccccact   | ctttacgcca | aagttccacc  | 1680720 |
| atggctctca  | agcgttcggc | atacgtcttg | tgcttgccca  | cgttcgattc | tccctgatac  | 1680780 |
| cacaagaacc  | ctttgatggt | ataattttgc | aaaggcttca  | gcataccggt | gtacatcagc  | 1680840 |
| gtcggactca  | tataatgcc  | ccagtcgtgt | ccttcttctt  | tacgaatatc | acgcttcaag  | 1680900 |
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| cccttacact  | cgtcgacagg | ctgcaactgt | ccgttctttt  | cgactgtagc | cacacggatt  | 1681140 |
| cctttccact  | tcgacgcagt | agctatcggt | tcgttggttc  | cagctatcgg | acaattccag  | 1681200 |
| aaaccacgta  | gaggcatttc | catattcgac | tgtccggaac  | agaaccaaac | ctctcctacc  | 1681260 |
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| taggcttcat  | tattccacga | cggacggata | gttacttcgg  | cattggcatt | agcctttccc  | 1681440 |
| cacagacaag  | cctccgtctg | ttgttgcaac | accatattgt  | cactcataat | gtcgggcagg  | 1681500 |
| gttacctttg  | cccatgctcc | ggcctgcac  | atcaacaagc  | aagcacttat | aatccatttc  | 1681560 |
| ttcattgctg  | taatatttta | aataacattt | ttcattttacc | aattcatcaa | cttcttcaaa  | 1681620 |
| aaggcgggtca | gttcagacgc | cattttctga | tggtgtcgca  | tagacgggtg | ataactggct  | 1681680 |
| cccattccca  | atgaaccggt | ctgcggagac | atatcgaaac  | gatagacctc | tttgtccccg  | 1681740 |
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| ctgtccgtca  | tagaaccgct | cagcaaaacc | agcttggctt  | tcggataaat | ggaacggagc  | 1681860 |
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| atatcgtttg  | tccccaagtt | gacgcataca | acatcgggag  | tatacagagc | atggtttccac | 1681980 |
| agttcggtag  | aatctgtaaa | aagtacctgt | tcgtacatag  | caggcataca | gtccttgcta  | 1682040 |
| cccgaacgag  | gtccggcata | attacgatat | attcctattc  | ccgaacgagc | tacgactaga  | 1682100 |
| tgttgtgcct  | tcagagcccg | cgctgtacgg | gccgcatagg  | tataaaaatg | attttcagtg  | 1682160 |
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| atacgtaccc | gatgagtgc  | ttcgggtagt  | ccctctgcca | aagtctgtat  | agagtcgttt  | 1682400 |
| gccgaatagt | tgattcgata | aggcagctcg  | tcgtcgatct | ccaccatgaa  | agctccactt  | 1682460 |
| ccgggcttca | ctttcatctg | caaggaagta  | ccttcaaaat | tggcaaagat  | actgacaccc  | 1682520 |
| ggataggtga | aacgtacat  | atgaggaacg  | gttctgctga | ttcttcccat  | ataaacaatg  | 1682580 |
| tgagaatcat | cggaagatat | aaatacttta  | tcgttttgac | gagtttctgc  | tgaaacagac  | 1682640 |
| aaagaaaatc | ctgcgatcat | gccacagaat  | aataagcctg | acaaatagtt  | tttgtttttc  | 1682700 |
| atatatcata | gtattttctg | caaatatagt  | acatctacac | aaagaagggt  | tgatactttt  | 1682760 |
| ttatcaaaaa | tcagcgcttt | tcataaaactc | tattaaaaaa | gtgcgaactc  | tttgctaata  | 1682820 |
| ttcgttccaa | actgttgcaa | acgattccctt | ttttgtctga | aatcattatg  | caaaccaaca  | 1682880 |
| aatgattttc | tgaaatctct | tataagaaat  | gtgcttggat | atgttgattac | accgataatt  | 1682940 |
| catcctactt | ttgcatgcac | atcggataag  | agcgttttgt | aatcctcatc  | ggagggcaat  | 1683000 |
| aaaaagccgg | ataagatgac | tgggtaaaac  | caatcaactt | atccggcttt  | ttatttatca  | 1683060 |
| aatcagacat | tgttatcgga | agtatatgaa  | agagcttgat | ttaacgcaag  | ggaatgtatc  | 1683120 |
| aaaagtcttg | tttcagtttg | ccgtacctta  | cctgctggcc | aatgtattgc  | aagccttata  | 1683180 |
| tggtggtgcc | gacttgtttg | tcgtagggca  | gttcgatgat | gcagcaagcg  | tagccggagt  | 1683240 |
| agcaataggc | agtcaagtga | tgcaaacat   | tacaggtatt | atccttggac  | tgactaccgg  | 1683300 |
| agtgactgtt | ctcatcggca | tagctaccgg  | agcacgcaac | tacaaagaaa  | cagcttccat  | 1683360 |
| tataggttcg | tcggtatggc | tgttcactat  | cacaggaatc | ctgctcacac  | tattgatgac  | 1683420 |
| gattctgcat | aatcccatag | cctgcatcat  | gcatactccg | gccgaagcca  | tgacgatac   | 1683480 |
| agaaaatgat | ctgctaactc | gctcactggg  | tattcctttt | atcataggtt  | ataatgttgt  | 1683540 |
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| cgaaattcaa | atcgtatctg | aaaataaaac  | cactacaact | cagctaacat  | acagcaacgg  | 1684800 |
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| aattttccct | ctacttccac | aatcgacgga  | tgacgcaaca | acaagagaca  | tcagcttgct  | 1684920 |
| tgttgaacaa | aacaataaag | aaaaatacaa  | tgacgccgac | attctttttg  | caaatactac  | 1684980 |
| ggtagacgca | aacagcacat | ccgctacatt  | gcaatttcag | cacgcattac  | accgtattat  | 1685040 |
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| ggaagcaaaa  | gcttatcgtg  | gcgatgaagg | ctttatccga | ctgaccagca | aagggaaaag | 1685280 |
| cgtaacttat  | ccaatcgact  | ctcagataga | aaattttgct | ccaggtatgc | agacaaccct | 1685340 |
| gaacctgaca  | ctgaaaccgg  | ccgaagaagg | aggcaacgcc | gatatggaat | tcagcaacca | 1685400 |
| ggcatattgg  | gtatatggca  | ttacctcgcc | tccgttccca | ggaaaagaac | acattccctc | 1685460 |
| atataatgta  | ataacagaat  | ctttccctaa | aggagaatgg | atgcgcatg  | cctacgaaaa | 1685520 |
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| ctgcaataag  | acatttaact  | ataagggcga | cggcaatatg | tgctgggctg | catcggttc  | 1685640 |
| caacctata   | cactggtggc  | tggagcagaa | taaaaagtat | gtcgaagctt | acgaaaccaa | 1685700 |
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| tacttcaaaa  | gaaaatttta  | gccaatggat | aaaggatgct | ttccgttcac | acaaagcgat | 1686000 |
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| gggagccgaa  | tttgatgcag  | aaggttatgt | atcatttatc | tactactgtg | acaataatat | 1686120 |
| gtcggataac  | gagcccaacc  | atggtgtagt | taaaagattt | aagataatat | ataaagaagg | 1686180 |
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| acaatcattg  | attaccgtcc  | ttacgcttgt | agatttacga | caagacatct | ggaaaaaggc | 1686300 |
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| tagataccag  | ctgtgctggc  | atctattgtt | tctactccac | gccattacgt | aacttctgaa | 1686420 |
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| cgaccagacg  | ctgcaagaac  | tcacggcggt | ttcctgcttc | cggataagaa | aagaaacatc | 1686900 |
| cttcaatgac  | acttcgaata  | ccatattgct | gccggaaatc | tccaaactgg | aaacggaaca | 1686960 |
| tttcggtgtc  | ggcaaaaaga  | tgatagcctt | cggctatcga | aagtccgtta | cttgccccaa | 1687020 |
| tgagcaggac  | atcggttg    | acaattgccc | gacaagcctt | ttctatagta | gtcttcatat | 1687080 |
| caatacactc  | tggaaggatt  | aaatatattg | gtcgaatcga | tctgctttac | attccccacc | 1687140 |
| ggctttccta  | aaagctgctt  | cagtacaatg | gcaatgttct | cgtttaccgc | cagactctta | 1687200 |
| cgggctatct  | ccttcggaac  | aagcgcacgc | tgcggtatca | ccgtgacata | aaaagcctgc | 1687260 |
| ggccactggt  | aaacctatatt | catgaaaggt | tccttgataa | acatcgaggt | catcatccc  | 1687320 |
| actcccagtt  | ccagaaacaa  | tgttttctgc | gacgaatggc | gtttcagaaa | atcgaggtaa | 1687380 |
| cgattcatct  | ctttctgata  | aaaatctccc | tgaggaaat  | ggtatccacg | aaccaaggc  | 1687440 |
| tccatttcgg  | ctccgcaatg  | cggacagcgt | ggaatcagtt | tctccggcaa | ggcatcgttt | 1687500 |
| tctatttgcc  | cacaaagctt  | gaacacttgg | gctttatttt | cataaatctg | gtcgtgacac | 1687560 |
| ggcacgctac  | actgccagta  | acggaaatct | ccctgtatgc | aagtaatctt | gtcagccggg | 1687620 |
| aaagtacgat  | aaaactgtgc  | gtcctgattg | gtcgtagcta | tgtagtaatt | ttttccctga | 1687680 |
| agcagttcgg  | ccaggtcaat  | ataagtttct | ccggtctgac | attcataaag | atattttgtt | 1687740 |
| tcccgaata   | tcatagccca  | gtgctctccc | cgagtatgtc | cctgatgata | gaaagcatca | 1687800 |
| aaaaaattat  | gaaaaccata  | tttcttttcc | agtgagcctg | ctatctgacg | aaagaccgca | 1687860 |
| tcattctgat  | aataaaaagac | aaagccggaa | gctgccgaca | tgccggaagc | tcctcctaca | 1687920 |
| acaatggcat  | ccgcttcgtc  | tattttcttc | ttcaataatt | cgattgtatc | ttctgcaacc | 1687980 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atatgctttt  | atatttttcc  | ggctgcaaaa  | atagatgttc  | cagaaagagg  | agtttctacc  | 1688040 |
| taaattactt  | ccatgactac  | cattttgata  | atcttctcta  | ttttttcggt  | tcctgcagga  | 1688100 |
| actgtgtaat  | cgtctgtccc  | gtctgtgtct  | tgaaaaagcg  | catcagatga  | ttcgggtccg  | 1688160 |
| agaaatgcag  | gcggaaagct  | atttccttta  | cagaaagatc  | cgtaaacaac  | aaatcattct  | 1688220 |
| ttatttcctg  | caacagccgc  | tgtttcagca  | ggtagggctgc | cgaaactcca  | aactctctga  | 1688280 |
| ccacagcctt  | attcagtgaa  | acacgactca  | ctcccatcat  | tttagcataa  | tcgttcacgc  | 1688340 |
| gtaccttccg  | acaaatgttt  | ttctccagca  | actgcttata  | ctgataggcg  | tggttattca  | 1688400 |
| ggggtaaagc  | cgtcggtaaa  | ttgaagtgtt  | tagtataaaa  | gcggttgagc  | aacagcagga  | 1688460 |
| actgatataa  | atatgctaca  | atcaaattgat | agctgtcggc  | caccgggtgcc | cgcagctcct  | 1688520 |
| tcttcatttt  | tccaagcaga  | gccagaaaac  | catccatata  | agaacttgcc  | atatcgaaaa  | 1688580 |
| aggtcggata  | gtcatttttg  | aagcaatata  | acaacctgta  | cataaaatat  | ttatcagaca  | 1688640 |
| aaaactgatt  | gatgaactcc  | tcctgaaaaa  | cgagaaatgt  | atattccagg  | tcatccatgt  | 1688700 |
| ttacatgcca  | ttcctgtctg  | tgataagggg  | atataatcag  | caccatgtaa  | tcatgcaatt  | 1688760 |
| caattttctt  | tcccagacaag | aacaaatacc  | ctgcagcttt  | ccggaaaaaa  | tagaattcaa  | 1688820 |
| aaaaatcggt  | cttatagcgt  | ttttctatat  | caaaccaacc  | acgcttctcc  | ccactgtctg  | 1688880 |
| ccgtgttgag  | cagaaaatct  | actccgcacg  | aagtcttgga  | atatttcaac  | aatgaaatct  | 1688940 |
| gttcggccgt  | cttatcagga  | aaaactccca  | gcatactttt  | ctgcttcatg  | tcgtacacgt  | 1689000 |
| ttttccgaca  | aagatagttt  | tacttttaca  | gaaagcatca  | aaagcaagca  | gttaaataaa  | 1689060 |
| aaagtccggt  | ataataccga  | actctttctc  | taaacggata  | atatttaacc  | ccctccatct  | 1689120 |
| tttgaggatc  | acttcaacct  | taagcgtcca  | atttcggaga  | aacatatcgg  | ttgataccaa  | 1689180 |
| tacaaatagt  | ctttcagact  | tatcaaattg  | gcagcataat  | ctaccaaaaa  | ggtagtgaac  | 1689240 |
| cttacaattt  | cggagagtac  | ttttgaaaaa  | ttttttttat  | tttgaagata  | tgattaaagc  | 1689300 |
| attatttttt  | gacatagacg  | gcacatttgt  | cagtttcaac  | acccacaaaa  | ttcccgatcc  | 1689360 |
| caccatccaa  | gccatcaaac  | aggcaaaaaga | aaaaggcata  | caagtctaca  | tctctaccgg  | 1689420 |
| ccgaccgttc  | tcactcatca  | acaacattga  | cgagataagt  | catctgatcg  | acggatacat  | 1689480 |
| tacggtaaac  | gggtgcctact | gtttcatcgg  | agagcagggt  | atttcatgca  | gccctatttc  | 1689540 |
| ggtggaagat  | gtactgacct  | ttatccaact  | ggcagataaa  | atgaatttcg  | cctgcatggt  | 1689600 |
| ggtcggaact  | acagacatca  | tcattgtaca  | caccaacgag  | aaagtcgact  | tcattcttccg | 1689660 |
| acagatgctg  | aacgtaaagc  | atcttgaaga  | aaagaatacc  | atcgactcca  | tcattccaaca | 1689720 |
| gccgattctt  | cagctgactc  | ctgtcattac  | cgaagaggaa  | gaaaagcaaa  | tcattgccgt  | 1689780 |
| cctttcacat  | agtacgtcaa  | gccgctggta  | tcccgaactt  | gcggatataa  | cagcacaca   | 1689840 |
| caccgacaag  | gcaaagggat  | tgcgggcaat  | catgcagtat  | caaggattga  | aaagagagga  | 1689900 |
| gaccatggca  | tttgagagcg  | gcggaaacga  | tatctccatc  | gtaagggaag  | ccggcatagg  | 1689960 |
| ggttgccatg  | ggaaatgcaa  | acgattcact  | caaggctgtg  | gctgattata  | tcactgcctc  | 1690020 |
| tgctgacgat  | gatggagtct  | attgtgcctt  | gaagaaatgg  | gtatttcgat  | ctgctgaata  | 1690080 |
| agcaaccgtc  | tgagcaaaaa  | gaatattcct  | tctccacagc  | tgtttcacac  | ttttcatcta  | 1690140 |
| tgagagaagg  | ttctattttat | ttcgtgtctc  | tgaatctcaa  | gaaccggaaa  | gggacttttc  | 1690200 |
| tttatcctat  | cgctctggga  | aacctacaaa  | ttacgatcca  | ataaaagagc  | cagcgggtta  | 1690260 |
| atgtattttat | tataagcctt  | caatttttcc  | agatcaagtc  | tgctgcctgc  | atacggatta  | 1690320 |
| cttgtctcac  | tatagaagaa  | aatatccatc  | acatctccgt  | ttctgacgat  | acggctcgccc | 1690380 |
| gactgaggaa  | tatcttctac  | atcgaaattc  | tccaacggaa  | gcataatccac | ccgacaagggt | 1690440 |
| acattattac  | ccagcgtatt  | catattatga  | ttgaaaagga  | caaatacctt  | tcgtctgaaa  | 1690500 |
| tccagacgaa  | taccgtaagg  | acggcttggt  | aagaaagcgt  | ctgccgcttt  | tgccatataa  | 1690560 |
| ttttccataa  | ttgctttgct  | attcaaaaagg | cgatgcaaaa  | ttaggacttt  | ttcgaataaa  | 1690620 |
| gcaaaaaatca | gtaaacaatat | ttttatcaac  | agcggaacgt  | taaaattctca | cacagcataa  | 1690680 |
| acatgagatt  | gttcatataa  | tggaataaca  | tcattgcctt  | aaaaatgaga  | ataaaaaactt | 1690740 |
| cagaatatat  | attgatacga  | acgtgcttca  | atgtcatcac  | gagcgtgatg  | acattctaac  | 1690800 |
| acgaatgcga  | taagatctca  | tcacgaacgt  | gtcaagctaa  | aaataaagtc  | tgctttttact | 1690860 |

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| caaaagtacc  | tctatatattt | tcaccacata  | ccgttacaat  | tatcagacgt  | cggtttttct  | 1690920 |
| gtaacgattt  | ggtaacggaa  | ctttgtccga  | agtgggctgt  | ttaatgtcct  | tggattggca  | 1690980 |
| attactggat  | acaaaaaagc  | ccacaattca  | ttgaaattgt  | gggctttttt  | actttcaggc  | 1691040 |
| tctcagttgt  | ccttgaacct  | cagcagtgcg  | tacgggactt  | taacttacac  | aatcaagaaa  | 1691100 |
| tctcataaga  | ttgcaatata  | ctgataataa  | tcaagttatt  | acaaatctac  | tatattacta  | 1691160 |
| aatatcatta  | aatacctttt  | gctgtttcaa  | ttattgggtg  | tatatttggg  | tgttgatttt  | 1691220 |
| aatataccca  | gctatgaaca  | tcaagagaaa  | tatcatcttt  | tcattggaaa  | gccgcaagaa  | 1691280 |
| gaacggagtg  | ccaatcgtgg  | agaatgttcc  | tatccgtatg  | cgtgtgggtt  | ttgccagcca  | 1691340 |
| ccgtatcgag  | ttcacaacgg  | gctaccgcat  | agatgtcgcc  | aaatgggatg  | ccgacaagca  | 1691400 |
| acgggtaaaag | aacggatgta  | ccaacaagct  | gaagcaaagc  | gcatcggaga  | tcaatgcgga  | 1691460 |
| tttgctgaaa  | tactacaccg  | aaatacagaa  | tatcttcaag  | gagttcgagg  | tgcagggatt  | 1691520 |
| catgcccact  | accgagcagg  | taaaggacgc  | gttcaacaga  | ttgcacaatg  | gaaaaaagga  | 1691580 |
| agatgaggag  | caggcttcgg  | tggtatttct  | gcctttggag  | gtgtttgatg  | agttcatcaa  | 1691640 |
| ggagtgcggt  | acgcaaaacg  | gctggctctga | tgccacctat  | gagaaatttg  | ccgcagtcag  | 1691700 |
| gaaacatctt  | gaaaagtttg  | acaagggact  | gacttttgaa  | tcgttggacg  | aaccaagct   | 1691760 |
| gacaaaagtat | gtgaattttc  | tgaaagacac  | cgaagatatg  | cggaaacacat | ccatcatgaa  | 1691820 |
| acaggctcgcc | tatctgaaat  | ggttcctgcg  | ctgggtgtacc | aagaaagggg  | attgcatgaa  | 1691880 |
| caatgcctac  | gaagatttca  | atccaaaact  | gcgaggtacc  | ccgaaaaaag  | tgatattcct  | 1691940 |
| cacatgggaa  | gaactgaacc  | aactcaagaa  | ctatcagata  | cctgaaacca  | aacagtatct  | 1692000 |
| tgaacgggtg  | agggatgtct  | ttctgttctg  | ctgcttcacc  | gggcttcggg  | attctgatgt  | 1692060 |
| gcataacctg  | aagaaaagcg  | acatcagggg  | cggatatata  | gaaatcacca  | ccgtaaagac  | 1692120 |
| cgccgaaagg  | cttatcatcg  | agctgaacaa  | ccacagcaag  | gcgatactgg  | ataaatataa  | 1692180 |
| aaatgtggag  | tttgaggggc  | ataaggctct  | ccgggtcatc  | agcaaccaga  | agatgaacga  | 1692240 |
| ttattttgaag | gaattgggcg  | agcttgccga  | aatcaacgag  | cctgtgagtg  | aaacctatta  | 1692300 |
| taaagggagc  | aggcgtatag  | ataacattac  | acccaaatac  | gcattgctgg  | gcacccatgc  | 1692360 |
| cggagaagg   | acttttatct  | gcaatgcctt  | ggctctcggc  | attccggctc  | aggtgggtcat | 1692420 |
| gaaatggacg  | ggacacagcg  | actacaaggc  | gatgaaaccc  | tacattgaca  | tcgctgatga  | 1692480 |
| tgtgaaagcc  | aatgcgatga  | acaaattcaa  | ccaactgtaa  | aaaacaatca  | tcaagtttca  | 1692540 |
| tggaaagcct  | gtaatttggc  | ttacctttgt  | gactttcaaa  | gcatacaaca  | atgagcaaca  | 1692600 |
| acgataacaa  | tatagagaaa  | agaagtttctg | aggctttcgt  | caatgccatc  | ggttcggaaa  | 1692660 |
| tagagcaggc  | gcaagtccgg  | ctcatcagtg  | cagccaatgc  | gcagatgctg  | ttccattact  | 1692720 |
| ggaagatggg  | caactacata  | ttgtaccatc  | aaaacctgca  | aggatggggc  | ggcaagggtca | 1692780 |
| tcaagaaact  | ggcgagggcg  | atacggttca  | attatcccga  | aaaaaaagga  | tattcgggtca | 1692840 |
| ggaacttggc  | ttatatgtgc  | cagttcacac  | gttcatatcc  | attgggtgca  | ttacggagtt  | 1692900 |
| tcatcgaaac  | cgatgcgaaa  | ttgattactc  | caagtgtgca  | aagaatcacg  | gatgaaatcc  | 1692960 |
| aaagcctgaa  | caatgtttca  | tttacgcaag  | aacctcttgc  | gcaaatacaa  | tcctcagaca  | 1693020 |
| acaagggagt  | tgcaattgtg  | caagaacctc  | ttgcacaaat  | tcaggatgta  | gcccagacag  | 1693080 |
| tagccgccgt  | ttaccggatg  | ccgatagagg  | acatagaaaa  | actgttcctt  | gcatcacctg  | 1693140 |
| ttgcaagaat  | caattgggca  | agccatgtga  | ttctgctgaa  | cagttcgctt  | ccgttgggtg  | 1693200 |
| tggaatactg  | gtatatgaag  | caatccgtgg  | aaatgggctg  | gagcagcaat  | gtcctgaaaa  | 1693260 |
| tgcagattga  | aagcaaattg  | tttgaacggc  | aaatcaacag  | ccacaagggtc | aacaatttta  | 1693320 |
| tcgccacgct  | tcctgcaccc  | caaagcgacc  | ttgccaaacta | cctgttaaaa  | gacccgtata  | 1693380 |
| tctttgactt  | ggctggagcc  | aaagaacgtg  | cggacgaaag  | ggacatagag  | gaacaactgg  | 1693440 |
| tgaagcacgt  | taccggttac  | ctgttggaga  | tgggcaacgg  | attcgccttt  | gtcgcaaggc  | 1693500 |
| agaagcattt  | ccagattggc  | gacagcgatt  | tctatgccga  | cctgattctg  | tacaatatca  | 1693560 |
| agctccatgc  | atacgtagtt  | gtggaactga  | aagccacccc  | gttcaaaccg  | gaatacgag   | 1693620 |
| gacagttgaa  | cttctacatt  | aatgtgggtg  | acgacaaact  | gaggggagag  | aatgacaaca  | 1693680 |
| agaccatcgg  | gctgctgcta  | tgcaagggca  | aggatgaaat  | tgtagcgcag  | tatgcgctga  | 1693740 |



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| atctgaaatc  | tgcgttgccg | agcatagaac  | aggtggaaga | agaactgaca  | atgcttcttg   | 1693860 |
| acaatgaaaa  | gaacaaacaa | aagtaagaca  | cctatggcag | acaagataca  | aacgataatc   | 1693920 |
| ccccgatacy  | gagaactcaa | cagaatatac  | agggactata | tagacaatag  | agttttctct   | 1693980 |
| tttgacaggc  | agaaattcat | ttccgatttc  | tatcaggaat | atagtgcac   | aaaatctttt   | 1694040 |
| gaagccgcca  | tccttgaact | ggtgcttgac  | aggcaaaaag | aacaatacac  | tctgatactc   | 1694100 |
| aacagcctga  | aaaccgaaat | agaaaagagc  | atacaggcct | atgaaacgca  | ccccataagt   | 1694160 |
| gacagtgcga  | tagaacgtgc | ctgttatcaa  | catatggaaa | ggtattccct  | tgaaattaaa   | 1694220 |
| gccaacttg   | atgtcacaag | aagcctgagc  | aagccgctga | atgaagccaa  | caacaggtat   | 1694280 |
| gattccattg  | gctatagggg | acatactgcc  | gaagaggaaa | aacaggcgga  | gaaagaatat   | 1694340 |
| gaacgctgca  | aggctgaata | tgacaaggaa  | agagctatac | tgaacgaact  | ctatgaccaa   | 1694400 |
| caaaaggcag  | caaggaaaga | ggcattccaa  | tatatgaaga | accgttgtgc  | ggacatatatac | 1694460 |
| cgtcaaagct  | gcctttttct | ggacatatgt  | tctagtcctg | aaatagcgtt  | acaacaaaaa   | 1694520 |
| aggtaacatt  | atggaaaaga | cagaaacaaa  | gtacgttaag | cgcacacaaa  | aagattacag   | 1694580 |
| tatgtccttt  | aaactatcag | tagtgcaaga  | gtatgaaacc | acaaaaataa  | gtttgggagc   | 1694640 |
| gctgaaacga  | aaatatggga | tacaaggatg  | ttcaactatt | agccgttgga  | ttgaaaaata   | 1694700 |
| tggttaacttt | gatatacaca | acaaatgtta  | ccattctatg | gaaaagagta  | aggatcaaaa   | 1694760 |
| actgttagaa  | ctacaacaga | aagtaagggt  | cctggaacgc | aagaatgcc   | gtctggaaaa   | 1694820 |
| ggagcttgag  | ctgaaggata | tgaaagcaga  | gtttttcgac | atgatgatag  | acatagcgga   | 1694880 |
| aaaggaatat  | aatatcgaca | tacgaaaaaa  | ctcctctccc | gaacagtcaa  | taaatataaa   | 1694940 |
| gaagaaaaat  | ccgtaagtat | cagcggaatc  | tgccgactgc | tcgggataag  | caggcagaaa   | 1695000 |
| tattaccgtc  | agcaatggaa | gataatccga  | ggccggcaaa | gggccactga  | tgttgtgggc   | 1695060 |
| atggtacgag  | atatccgaat | ggaactgcca  | cgtgtaggaa | cccgcacaa   | ttatcatatg   | 1695120 |
| cttcatcagc  | cacttaagga | gaacaaggta  | ggcagggaca | aactgttcga  | tatactccgt   | 1695180 |
| gccaaccgtc  | tgcttataaa | gcccgtacgt  | tcatatcatg | taacaaccaa  | ctcgcatac    | 1695240 |
| cggtttcgga  | agcacaagaa | tctttagtaa  | agtatggaag | cgacacgccc  | ggaagaaata   | 1695300 |
| tgggtttctg  | atattactta | tattggcaat  | agaaaccggc | atatgtatct  | ttctctgggt   | 1695360 |
| acagatgctt  | attccaagaa | gattatggga  | tatgatcttt | ccgattcctt  | ggacactcaa   | 1695420 |
| ggttctttga  | acgcgctgag | gatggcaaac  | cgcaaccgac | tgtataggga  | cacgccattg   | 1695480 |
| atacaccact  | ctgaccgtgg | tatacagtac  | tgttccgatg | catatcagaa  | attactggga   | 1695540 |
| caatatcaca  | tcatacccg  | catgactgaa  | tcttacgatc | cgtacgctaa  | tgccgtggca   | 1695600 |
| gaacgaataa  | acggaatact | aaaacaggag  | ttcctgcttg | aggaacttaa  | tctaccgcta   | 1695660 |
| tcagatatga  | aacaggtaat | aagggatgct  | gtctacaagt | ataataacat  | cagacctcat   | 1695720 |
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| agttacaaaa  | acaaacagtt | cagcaagact  | gaccttgctg | aactgtgata  | aataatttat   | 1695840 |
| ttttgtccaa  | taactgtaac | ggttatttag  | gactagtcac | attgaagaaa  | tacattcctg   | 1695900 |
| acgggaaaacg | acaggacgag | ccgggcaaac  | ccgtcagcca | gaaagaaaacg | acggggcgaac  | 1695960 |
| aacaagaata  | tttcagcatg | aaattgctat  | ctctcatcca | tgaagtatgt  | gtgggagaa    | 1696020 |
| agttcgaaga  | aatttccgca | ccggatttct  | atgccaatat | gaacctgcac  | tcctacaact   | 1696080 |
| gcaagttgag  | aatcaaaccg | agagagaaaa  | tccgtgtatg | ctatctgata  | ttcctgatgg   | 1696140 |
| gcgagaaaact | ctccaagcag | gacagggaca  | aatggaaagc | tggaataactg | gaattgctgg   | 1696200 |
| gtattgatga  | cagctactac | aagtcaaagt  | acaaggagcc | ggtttccgat  | ttcccaagtg   | 1696260 |
| acagcaacca  | gaaattcgcc | aaggaaatga  | aacatatatt | cagataatcc  | gtgatataatc  | 1696320 |
| ctgattcttt  | acgaaagtcc | cactttttacc | actcaaatta | attttttgagt | ggtatttttta  | 1696380 |
| ttttctgata  | ttcaataaaa | tatagcgata  | ttcgaattat | atcgtccaca  | tccttaccac   | 1696440 |
| ccgtatccat  | atctaatttt | gcatcggtca  | agaacagaaa | taacagccag  | tgcgaggggc   | 1696500 |
| tgattgtcga  | acaaaaaacg | agtagaatca  | tgcaaaatct | acaagagtta  | ttatccaaac   | 1696560 |
| ccgtctggca  | gatgacaggc | gaagagttca  | taatgttaag | caggcacgct  | tccggtcaga   | 1696620 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| cggaagcgca | gccgcagccc  | gtaacgaaca  | caggcaggaa  | gtatgtgtac  | ggaataactcg | 1696680 |
| gcatagccaa | gctgttcggg  | tgcagcctgc  | ccaccgccaa  | ccgcataaag  | aaaagcggaa  | 1696740 |
| agatagacaa | ggccattacc  | cagatagggc  | gcaagattat  | cgtggacgcg  | gaacttgccc  | 1696800 |
| ttgaactggc | agggaaagaa  | actggcggat  | gtaaataacg  | ggaggaaccg  | ctatggacta  | 1696860 |
| tatgaaagac | atccgggaaa  | tatcggacga  | acaggcggta  | atcctctggc  | aagcctcacg  | 1696920 |
| gctgagcctg | tcgggaaaat  | acgagaaagc  | ccccgagatt  | ctcagtgtga  | aaggttccgt  | 1696980 |
| aatcggtagc | ttgggaaatt  | tcagcgcata  | catcggcaaa  | gccaaaagca  | agaagacatt  | 1697040 |
| caatgtgtcg | gctatcgtgg  | ctgcggcatt  | gaagaacggc  | acggtactcc  | ggtatgcggc  | 1697100 |
| tgaactgccc | gaagccaaac  | ggaaagtgtc  | ttacgtggat  | acggagcaaa  | gccccacca   | 1697160 |
| ctgtctgaat | gtgatggagc  | gcatcatgcg  | tatggcaggg  | ctgcccgatg  | acagggacaa  | 1697220 |
| cgaaaacctt | gaattttctg  | ccctgcggaa  | gtacacgccg  | gagcagcgca  | taaggattgt  | 1697280 |
| cgaacaggca | atctaccata  | cgccgaacct  | tggtctgggtg | gtgatagacg  | gtatccgtga  | 1697340 |
| catggtatat | gacatcaaca  | gccccagtga  | atcgacacgc  | atcatatcga  | aactgatgca  | 1697400 |
| gtggacggat | gaaaggcaga  | tacatatcca  | cacgatactc  | caccagaaca  | aaggcgatga  | 1697460 |
| gaacgcaagg | ggacacatcg  | gcacggaact  | gaacaacaag  | gctgagaccg  | tcctccttgt  | 1697520 |
| ggaaaaggac | aaaagcaacg  | gggatatcag  | caaggtttcc  | gccatgcaca  | tccgtgcatg  | 1697580 |
| ggacttcgag | ccgtttgcct  | tccgcatcaa  | tgaaggggca  | ttgcccgaac  | tgatggagga  | 1697640 |
| ctaccggaca | gaagccaaaa  | caccggcgag  | accccaaggc  | gaaaggtttg  | atgcctacaa  | 1697700 |
| ggacatttcc | gagcagcagc  | accggatagc  | tctggaagcc  | gcattctcgt  | tgcaggacga  | 1697760 |
| gtacgggtat | aaggaaactgg | gcaaggcact  | gaaagaatcg  | tatgccttgg  | tgggcgttcc  | 1697820 |
| gttgagcgac | aacaagctgg  | tcaaactcat  | cactgtgttg  | aagagcaagc  | ggatgatagt  | 1697880 |
| gcaggaaaac | ggcaggaagt  | acaggatatga | accggatttc  | cactattgac  | gcacttcttc  | 1697940 |
| gcaatcactt | cactttattc  | tcagggtcta  | tatattagga  | taaagcgaag  | tggttgcagg  | 1698000 |
| gaagcatcaa | accgcttcac  | tttaagccgt  | atcctatata  | cgacaataaa  | gtgaagtggg  | 1698060 |
| tatacagcca | gtaacctata  | tgaacaggta  | ctggcgaaaa  | gaaaaacaaa  | cgataaccga  | 1698120 |
| taaagacaat | catttatgga  | catacagaca  | gcaaaacaaa  | tcaggttgga  | agaatacctt  | 1698180 |
| cacagcttgg | gatatagccc  | ggtgaaacgg  | cagggcatca  | atctctggta  | caaattgccg  | 1698240 |
| ttcagggagg | aaaccgaagc  | atcgttcaag  | gtgaacaccg  | agcggaaacca | atggtacgat  | 1698300 |
| tttgactctg | gcaagggcgg  | caacatcatc  | gcactggttt  | cgcacctcta  | tgcaacggac  | 1698360 |
| agcgtgccgt | atcttttgaa  | acgcatagag  | gaacaggcac  | cgcacgtgtg  | ccccgtttct  | 1698420 |
| ttctcttttc | gcaagcagtc  | ctttatggag  | ccgagtttcc  | agcagctgga  | aaccgtgccg  | 1698480 |
| ctttcttccc | ctgccttact  | cacttatttg  | caggaaaggg  | gtatcaatcc  | ggcactggcg  | 1698540 |
| aaaagagaat | gcagggaggc  | acggtttacg  | cacaacggca  | aacggtactt  | cgccgttgcg  | 1698600 |
| tttccaaaca | tatcgggcgg  | ctatgagata  | cgcaaccgat  | atttcaaggg  | gtgtattgca  | 1698660 |
| cctaaagaaa | tatcccatat  | caggcaatcg  | ggagagcaaa  | ggaacacatg  | ttacgttttt  | 1698720 |
| gaaggattta | tggactacct  | ttcctttctg  | accctgcggc  | ttgaaagctg  | cccgcaatgc  | 1698780 |
| cccgatttcg | acaggcagga  | ttacatggtg  | ctgaactccg  | tagccaatgt  | ttccaaggca  | 1698840 |
| ctctacccgt | tgggaaacta  | tgaacgcata  | cactgttttt  | ttgacaatga  | ccgtgcagga  | 1698900 |
| atggaagccc | tgcagcaaat  | ccgcaaggaa  | tacgacagca  | cccggcatat  | acgggacgct  | 1698960 |
| tcccaaatct | actgcggatg  | caaagacctg  | aacgagtatt  | tgcagaagcg  | catggctgat  | 1699020 |
| ggaaaagagc | aaatgcaatc  | cgtcagaaaag | atggataaca  | cgctatccaa  | gaaaccgaaa  | 1699080 |
| ggcttccggg | tatagcccac  | tataactaca  | cgcttcgctt  | tcgtagtgtg  | gggctctccc  | 1699140 |
| gaggggctta | ggacgctgcc  | ctaagaatcc  | ggcaagagct  | ttcagcccta  | tgcaaccgga  | 1699200 |
| ccaaaagagt | accctctctt  | tggaaactcc  | gcttatgggt  | tacaccctta  | agaacccttt  | 1699260 |
| tgcggttatg | agcggaagc   | agcaaaccac  | attagttata  | accgaataaa  | agattgaaaa  | 1699320 |
| gatggcaaca | aaatcaagca  | tacatatcaa  | gccttgcaac  | gtggcatcaa  | gcgaggctca  | 1699380 |
| taaccggagg | actgccgagt  | atatgcgcaa  | catcggaaaa  | tccaagggtat | atgtggtatc  | 1699440 |
| cgaactctct | gcgaataacg  | agcaatggat  | aaatccggat  | ttcggcaatc  | ccgaattgca  | 1699500 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| ggcgactat   | gaggacatca  | agcgcatggt  | caaggaaaag | acaggacgtg  | ccatgcagga  | 1699560 |
| aaaggaacgt  | gaacgcaaag  | gaaagaacgg  | caagattatc | aaagtggcgg  | gatgttcacc  | 1699620 |
| catccgtgag  | ggagtattgc  | ttatcagacc  | ggacacaaca | ctggaggatg  | tgcgtaaatt  | 1699680 |
| cggatgaagaa | tgccaaaaac  | gctggggcat  | cacaccactt | caaatcttcc  | tgcacaagga  | 1699740 |
| cgaagggcat  | tggctgggcg  | gacaacctga  | cccggaggac | agggagagtt  | ttcaagtaag  | 1699800 |
| cgaaggtgg   | ttcaagccga  | attatcatgc  | gcacatcgtg | ttcgactgga  | tgaaccacga  | 1699860 |
| tacaggcaag  | agccgaaagc  | tcaatgatga  | ggatatgacc | gaaatgcaga  | gcctggcctc  | 1699920 |
| cgacattctg  | ctaattggagc | gtggacaatc  | aaaggctggt | acgggcaaga  | agcatttaga  | 1699980 |
| gaggaacgat  | ttcatcattg  | agaagcagaa  | agccgaattg | caacgcatga  | atgctgcaaa  | 1700040 |
| gcggcacaaa  | gaagaacaga  | taaatcttgc  | cgaacaggaa | ctccgtcagg  | tgaaatctga  | 1700100 |
| gatacgcacg  | gacaagctca  | aaggcgcagc  | caccgatgca | gcaacggtca  | tagtaagcgg  | 1700160 |
| agtgggttct  | cttttcggca  | gcgggaaaat  | gaagaaactg | gaactatcca  | ataaagaatt  | 1700220 |
| gcgtcaggaa  | atagccaaac  | gggataaggg  | aattgatgac | ctgaaagccc  | aaatgcaaca  | 1700280 |
| catgcaggaa  | cagcacggca  | ggcagatacg  | caatctgcaa | ggaatacaca  | agcaggagct  | 1700340 |
| tgaagccaaa  | gacaaggaaa  | tatcacggtt  | gaatgctatc | cttgaaaagg  | cgttcaaattg | 1700400 |
| gtttccgatg  | ctcagggaga  | tgcttagaat  | ggaaaagttg | tgcgctgcca  | tcggctttac  | 1700460 |
| caaagaaatg  | atagaaagcc  | ttttgacgaa  | gaaagaggct | atcagggtgca | acggcaggat  | 1700520 |
| ttattctgaa  | gaacacaggc  | ggaagtttga  | catcaagaat | gatgttttca  | aggtagaaag  | 1700580 |
| gaatccgacc  | gataacaata  | aattggttct  | gaacataaac | aggcaaccga  | ttggagaatg  | 1700640 |
| gttcaaggag  | cagtttgga   | agttagggtg  | tggcttccag | aaagcacctg  | atgaactgag  | 1700700 |
| aaaaagagga  | ggagttaagt  | tataagagaa  | aaaatgtaat | tatagaattg  | tgtcaggcaa  | 1700760 |
| ttaatattgc  | ttttgctgac  | acaattcatg  | tatttttcta | aagaacatca  | ctaacaggctc | 1700820 |
| taatgtttgc  | accataatat  | aaggggacag  | gcttaattcc | aataccacct  | cgcccaaaat  | 1700880 |
| aaaagtaata  | tggttcttta  | tacttgttta  | atgttccagt | ccaataacaa  | ccaagtcctc  | 1700940 |
| ctccatatac  | acggcctgga  | ttccccgctc  | taagacctag | tgcaggaaaag | aatatacttt  | 1701000 |
| gtccatttat  | gcgactgaca  | aactccattc  | ctgcgatgtc | ataatctgta  | gtccattcat  | 1701060 |
| aatcgcaata  | cttttctaac  | ttttcaaaat  | ctgacaatga | tggtaaacgc  | caattatttc  | 1701120 |
| ctattttagc  | agcaactata  | tcaaaattta  | tgttgtcaca | aatatctaaa  | ggcggattat  | 1701180 |
| ctaattttga  | ttccaaaagt  | ttcccagtta  | tgtcaccaca | acagaataaa  | tcccagtctt  | 1701240 |
| tcgcttcttc  | tgaataacta  | ttatttttaa  | ctacataaaa | aggagaatct  | gcaaagcgaa  | 1701300 |
| aaacattatc  | ttttagagca  | ataaaattag  | tttttgacca | atataaaggc  | atacctctgt  | 1701360 |
| cagaatcaaa  | accaagatat  | acagcattat  | ctattgtacg | tatttgtttt  | ttcttctcac  | 1701420 |
| gtaaaaatct  | tatatcaata  | acatcattag  | tacatggtac | ttgtcttatc  | caattataac  | 1701480 |
| gtacgccaac  | ttcggggtga  | aaaatatcat  | ataatggttt | attctcaggc  | ataaagccca  | 1701540 |
| atagttttgc  | aatattagac  | gaatattgat  | tagacgatga | aatgtctaaa  | ataatatttt  | 1701600 |
| taattactga  | atttcccatt  | aatgaaattg  | acaaagctac | agcttcagtt  | gcataaccat  | 1701660 |
| gatttcgata  | ttgcggtaga  | atggcaaattg | aaagagctgc | gctaaactct  | ttatgccatt  | 1701720 |
| gtctaaattc  | accaacaatc  | aaaccgacct  | tatcccctcc | tttattttcta | attatgaacg  | 1701780 |
| taaaaccaca  | atatgctttc  | atctcctgaa  | gcagatattg | tgcaaaaagt  | cttaaatctg  | 1701840 |
| cccgatgatc  | ttctcgcaat  | acaaaatata  | aattaacaga | gctatctgaa  | aacaattctt  | 1701900 |
| cgattagtgg  | ataatctgat  | tctgttaaac  | aattgagatc | tattaatgtc  | ccttcaattg  | 1701960 |
| tatgtacacc  | gttcttataa  | atatcatcca  | aattcataat | ttcaatttgt  | ttgtctgcaa  | 1702020 |
| aaatatgaaa  | tgtttttatt  | caaattcaga  | aatatataag | attaaatata  | taaaataaac  | 1702080 |
| acccgacttt  | acattcttgg  | gtgtaaaatc  | gggtgtttgt | tttgtaaaac  | attgattccc  | 1702140 |
| aatgtttatt  | gcggtgcgta  | cgggactcga  | acccgtgacc | ccatgcgtga  | caggcatgta  | 1702200 |
| ttctaaccac  | ctgaactaac  | gcaccataaa  | attcttgttt | tattgctttc  | tctctcgatt  | 1702260 |
| gcggatgcaa  | aggtagtact  | ttttccttaa  | ttcgcaagaa | tttgtaggca  | aattcttttt  | 1702320 |
| cattcttcca  | tcatacagct  | tatagaaaac  | ctcaaattca | tatatttttc  | gaaataacttg | 1702380 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| tcacatacaa  | aaccaatcgt | cgaacttttt  | gttataaata  | ataggaagtt  | cacaataatt  | 1702440 |
| cgttactttt  | gcaaaaccta | caaattaaag  | aaaaaaagga  | tgaatgtagc  | tattataaaa  | 1702500 |
| tacaacgccg  | gcaatatctt | ttccgtagat  | tacgccttac  | gccgactggg  | agtggaacca  | 1702560 |
| atcattaccg  | ccgataagga | aatcctgcaa  | aaggcggata  | aaataatctt  | ccccggtgta  | 1702620 |
| ggagaagcac  | gaaacactat | gcagtatttg  | cgggaaaacc  | agcttgatct  | atztatcaaa  | 1702680 |
| gagttgaagc  | aacccgtatt | gggtatctgc  | ttgggtatgc  | agctcatgtg  | caaacactct  | 1702740 |
| gaagaagggg  | atgtagattg | tctaggcata  | ttcgatgcag  | aagtaaaacg  | tttccattcc  | 1702800 |
| ctacggcacg  | aagataaagt | tcctcacatg  | ggatggaata  | ccattacaca  | tactcaaagt  | 1702860 |
| gaactattca  | aaggtctcaa | cagcgaagaa  | tttgtttact  | ttgtgcatag  | ttattacgtt  | 1702920 |
| cctttgaacg  | aataaccgc  | agctcagacc  | gattatatcc  | tgccttacag  | ctcggcggtt  | 1702980 |
| cataaaggta  | atitctatgc | aacacaattt  | catcctgaaa  | aaagcgggag  | aaccggagaa  | 1703040 |
| aaaattcttt  | ccaattttct | cgatttataa  | acatatctca  | acagccattt  | aacgcattat  | 1703100 |
| gatagaattt  | atccctgcc  | tcgatattat  | tgatggaaaa  | tgtgtacgcc  | tttcgcaagg  | 1703160 |
| taaatacgat  | tctcaaaagg | tgtacaatga  | gaatcctgtg  | gaagttgcc   | aggaatttga  | 1703220 |
| agcctacgga  | attagccgtt | tgcattgtgt  | cgatctggat  | ggcgtctgct  | cacatcacgt  | 1703280 |
| agtaaattat  | cgtgttctcg | acagaattgc  | tagccagaca  | tccctgataa  | tcgacttcgg  | 1703340 |
| aggggggtgta | aaaagcgacg | aagacttagc  | catcgccttc  | gaaaacggag  | cccagatggt  | 1703400 |
| aactttggga  | agcatcgccg | tcaaacagcc  | agacctgttc  | tgccagtggc  | tggacaaata  | 1703460 |
| cggcaacgat  | aaaatcatcc | ttggggccga  | tgtcaaggac  | aataagatag  | caatcagcgg  | 1703520 |
| gtggaaaagag | gaaagtctgc | aagaactaat  | gccgttctta  | gattattaca  | tcaagaaagg  | 1703580 |
| aattaccaaa  | gtcctctgta | ccgacatcag  | ccgcgacgga  | atgctggaag  | gtccttccac  | 1703640 |
| cccactctat  | aaagacatta | tggctgctta  | tcccagagta  | cacctgatag  | caagtggagg  | 1703700 |
| cgtaagcagt  | ctggatgaca | ttctgaagct  | tcacgaagca  | ggcattcctg  | ccgtagttgt  | 1703760 |
| aggaaaagcc  | ttgtatgaag | ggaaaatatc  | tctaagagaa  | ctaagtcggt  | atatgtaaat  | 1703820 |
| aaaagacaac  | aatatcatgt | tagcaaaacg  | tatcattccg  | tgtctggaca  | tcaaagacgg  | 1703880 |
| gcagactgta  | aaaggaacaa | actttgtcaa  | tctccgtcag  | gcgggcatc   | cggtagaact  | 1703940 |
| aggcaaggca  | tacagtgaac | agggggcaga  | cgaattgggtg | tatctggaca  | taactgccag  | 1704000 |
| cttcgaaggt  | cgcaagactt | tcacggaact  | ggtaaaacgt  | atcgcggtc   | atatcaatat  | 1704060 |
| tccttttact  | gttggcggag | gaatccatga  | actgagtgat  | gtagaccgcc  | tgtctaatgc  | 1704120 |
| cggagccgac  | aaggtttcca | tcaattccgc  | agctatccgt  | aacccgcaac  | tgatagacga  | 1704180 |
| tattgcagca  | catttcggtt | cgcaggtagt  | cgttgttgcc  | atcgatgcc   | gacagacacc  | 1704240 |
| cgacggatgg  | aaatgctatc | tgaatggtgg  | cagaaaagaa  | accgacagag  | atctcttcga  | 1704300 |
| ttgggcgac   | gaagcaaatg | aacgtggagc  | cggtgaaata  | ttgtttacaa  | gcatggatca  | 1704360 |
| cgacggcgta  | aaaaacggtt | atgccaacga  | agccttgtca  | cggctcagcg  | acatgctgac  | 1704420 |
| aattcccgtc  | atcgctcgg  | gaggtgcagg  | atgtaaggag  | catttttaaag | atgctttcat  | 1704480 |
| aaaagggaaa  | gccgatgcgg | cactggcagc  | cagcgttttt  | cactttggag  | aaattttctat | 1704540 |
| tcccgaatta  | aatcataacc | tttgcaaaga  | aggcattaac  | gtcagacttt  | aaataacata  | 1704600 |
| aataacgaat  | aatatgaaat | tagattttcga | taaaatgaac  | gggctcgttc  | ccgccatcat  | 1704660 |
| tcaagataac  | tatactcaaa | aagtattgat  | gtaggcttc   | atgaacgaag  | aggcatataa  | 1704720 |
| caaaacagtt  | gaaacaggaa | aagtaacttt  | cttcagccgt  | acgaagaacc  | gcttgtggac  | 1704780 |
| aaagggagaa  | gaaagtggta | atttcttgca  | cgtagtttcc  | attgcagccg  | actgcgacaa  | 1704840 |
| cgatacttta  | ctgataaaag | ctaaccctgc  | cggctccggt  | tgccacacgg  | gtgccgatac  | 1704900 |
| ttgctgggga  | gaaaaaaatg | aacaggacat  | catgttctctg | aagggaattgc | aagacttcat  | 1704960 |
| cgacaagcgt  | cacgaagaaa | tgcctgagaa  | atcgtatact  | acaagcctgt  | tcaagtctgg  | 1705020 |
| agtaaacaaa  | atggcgacga | aagtcgggtga | agaagccgta  | gaaaccgtaa  | tagaagcatg  | 1705080 |
| caacggtacc  | gacgaacgac | tcattctatga | aggtgcagac  | ttactgtatc  | acctcatcgt  | 1705140 |
| attgctgacc  | tcaaaaggtt | accgcacatga | agacctggca  | cgtgaactga  | aagagcgtca  | 1705200 |
| cagcgaac    | tggaagaagc | actgatcagt  | atggaagaac  | agccacttat  | cgttttataag | 1705260 |

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|             |            |            |             |            |            |         |
|-------------|------------|------------|-------------|------------|------------|---------|
| ggagtagaca  | tcaaccagca | ggaattaggt | gtcctgaata  | atgtaaactt | cgaattgaaa | 1705320 |
| aagggagagt  | ttgtctatct | gatcggcaaa | gtaggaagt   | gaaaatcaac | ctttctaaaa | 1705380 |
| accatctatg  | gcgaactgga | tatatgcgga | ggagaagctt  | acgtccttgg | gcatgatatg | 1705440 |
| cgcaccatca  | aacaaaagga | tgttgctgga | ttacgaagga  | aattaggcat | tgtctttcag | 1705500 |
| gattttcagt  | tactaccga  | ccgtacggta | tacgacaatc  | tggattttgt | gctgcgtgcc | 1705560 |
| acaggctgga  | aacaaagagt | agacagagaa | aaccgcatcg  | atgaagtact | acgtctggtc | 1705620 |
| ggaatggaaa  | acaaaggtta | caaaatgccc | aacgaacttt  | caggaggaga | acagcaacgt | 1705680 |
| attgtcatcg  | cacgggccat | tctgaacaag | cctgagatta  | ttcttgccga | tgaaccgacc | 1705740 |
| ggcaatctgg  | acgttgaaac | gggaagaaat | attgtcagcc  | tgctccgcga | aatctgttta | 1705800 |
| caaggttcag  | ccatcatcat | gacaaccac  | aatttgaacc  | ttctcacaga | gtttcccggc | 1705860 |
| aaggtatacc  | gttgcaaca  | gcaccatttg | aacgaggcaa  | atgagtacta | aaaaagacaa | 1705920 |
| attgttacag  | attttagaaa | cattacttga | aaagaactct  | aaaatattcg | tatatttgcg | 1705980 |
| cacaaaagaa  | agagtatttt | atagaacaat | taaaattcga  | aactagaaat | gaaagtctta | 1706040 |
| aagtttggag  | gaacatctgt | aggctctgca | cagagaatga  | aagatgttgc | caaattaatt | 1706100 |
| actgatggcg  | agcagaaaat | agtagtattg | tctgcaatgt  | cgggtacgac | caatacactg | 1706160 |
| gtcgaaaattt | cggattatct | atacaagaaa | aatcccgaag  | gagcaaacga | agtaatcaat | 1706220 |
| aagctggaag  | ctaagtacaa | acagcatatt | gatgaacttt  | tctctactga | agagtacaaa | 1706280 |
| cagaagactc  | tggagttcgt | aaaatcggtg | ttcgactaca  | tccgatcttt | cacaaaggat | 1706340 |
| atatttacac  | tgttcgaaga | aaaggtcatt | ttggctcaag  | gagagatcat | ttctaccaat | 1706400 |
| atggttacaa  | attatctttg | cgaacaaggt | gtaaaggctg  | tcctgattcc | ggctttggaa | 1706460 |
| tttatgcgca  | cagacaaaaa | tagtgagccc | gatttgaact  | acattcgcg  | aaaattatca | 1706520 |
| gcacaactcg  | aagcacatcc | cggacaagaa | atctatatta  | cacaaggatt | tatctgtcgc | 1706580 |
| aatgcctatg  | gagaaatcga | caatttgcaa | cgtggtggaa  | gtgactatac | cgcttactg  | 1706640 |
| ataggtgctg  | ccataaacgc | ttcgaaatt  | cagatatgga  | ccgatattga | cggaatgcac | 1706700 |
| gacaacgatc  | cgcgtgtagt | agataaaact | tcgcctgtac  | gccaacttca | ttttgaagaa | 1706760 |
| gctgctgaac  | tggcatattt | cgggtcaaa  | attctgcatc  | cgacttgtgt | acagcctgcc | 1706820 |
| aagtatgcaa  | atattccggt | acgtctgctc | aacacaatgg  | aaccaagtgc | accgggtacc | 1706880 |
| ctgatttcta  | atgaaacaga | aaagggaaaa | ataaaggcag  | tcgctgctaa | agataacatt | 1706940 |
| acggctatca  | aaattaaatc | gagccgcatg | ttacttgctc  | atggcttctt | gcgcaaagta | 1707000 |
| ttcgaaaatat | tcgaaagcta | tcagaccctt | atcgatatgg  | tctgcacttc | ggaagtaggc | 1707060 |
| gtttccatgt  | ccatcgacaa | tactaagcac | ctgaacgaaa  | tcgtaaacga | tctgaaaaaa | 1707120 |
| tacggtacgg  | ttactgtaga | ccacgacatg | tgcacgtttt  | gtgtagtggg | cgacttagaa | 1707180 |
| tgggagaaca  | tcggcttcga | agcaagagcc | attcaggcaa  | tgaagatat  | accggtacgc | 1707240 |
| atgatttcgt  | acggtggaag | taactacaac | atctctttcc  | tgatcagaga | gtctgacaag | 1707300 |
| aagagagcat  | tacaagcttt | aagcgacgta | ttattttaaca | ataaataatc | tcatcggaaa | 1707360 |
| gcggacgata  | caatttatca | ttaaattatg | tcgtccgttt  | tttttaacta | tatatatatg | 1707420 |
| aaaggaacat  | tccctattaa | taaattccgt | gaactggaaa  | ctccatttta | ttattacgac | 1707480 |
| gcaaacctgt  | tacgcgacac | attaaatgta | atccgcacag  | aagctgccaa | atacaataag | 1707540 |
| ttttgcgtac  | attatgcaat | aaaagccaat | gctaattccga | aggtattaag | cattatccgc | 1707600 |
| gagcacggat  | taggagccga | ctgcgtgagt | ggaggtgaaa  | tatcggcagc | tatcaaggca | 1707660 |
| ggattccctg  | caagtaagat | tgtatatgcc | ggagttggaa  | aaacagaccg | tgaaatcaat | 1707720 |
| ctgggtctgg  | accacgatat | tttctgcttc | aatgtagaat  | cggttccaga | actggaagtc | 1707780 |
| atcaacgaac  | tggcagctgc | aaaaggaaa  | attgcacgtg  | ttgctttccg | cattaaccct | 1707840 |
| gacgtaggcg  | cacatactca | tgccaatatt | actaccggac  | tggcagaaaa | taaattcggc | 1707900 |
| atcagcatgc  | aggacatgga | taaagtaatc | gaccgtgcac  | tcgaaatgaa | caatgtaaaa | 1707960 |
| tttgctcggtc | tacatttcca | cattggttcg | cagatcttgg  | atatgggtga | tttcgttgct | 1708020 |
| ttgtgtaacc  | gtgtaaatga | attacaggaa | aaactctacg  | cacgtcagat | tatcgttgag | 1708080 |
| cacatcaatg  | tcggaggcgg | attaggtatc | gattacgctc  | acccaaccg  | ccagcctatt | 1708140 |

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| actctgcatt  | tcgaactggg  | acgttctgtt | gtaggacagt  | gtggaagcct  | catcaccaaa  | 1708260 |
| gtaatttata  | ttaagcaggg  | aaccaacaag | caatttgcg   | tagttgatgc  | aggtatgacc  | 1708320 |
| gacctcatcc  | gtccggctct  | ttaccaagct | tatcacaaaa  | tagaaaacat  | tacatccgac  | 1708380 |
| gaagccactg  | aaacctacga  | tgtggttaga | ccaatctgtg  | aatcatcgga  | cgtatttgga  | 1708440 |
| aaggccattg  | acctgaaccg  | tgcaaaacgt | ggcgatcttt  | tcgcattacg  | ttctgccgga  | 1708500 |
| gcatacggag  | aaattatggc  | ttccagctat | aattgccgtc  | ctctgccaaa  | aggatatacg  | 1708560 |
| tcggatgaat  | tgattttaaag | agaaagcaga | cgttttattct | tacgtaaaag  | acaccacttc  | 1708620 |
| acattcaaat  | agctgcaaat  | tcgttataaa | ctgcgcagca  | aaatgcccct  | ttgcactccc  | 1708680 |
| cccctaattgt | gcaaaggggc  | aattctttta | gcattccttt  | ccaatatcca  | cagtctatca  | 1708740 |
| ccggcatgaa  | gttataacat  | acgggtaatt | ctttcagcat  | cctttttcaa  | cactgaagac  | 1708800 |
| agagaataga  | aatagcccaa  | gagaaaagaa | tacacaaaaa  | aagccgcccg  | gtaaaaccga  | 1708860 |
| gcggctttcg  | ctatatgggt  | atttaactga | ttagcagttt  | acagaagcca  | tgtgagcgat  | 1708920 |
| cagatccaat  | actttgttag  | agtaaccgat | ttcgttggtca | taccaagaaa  | caaccttaac  | 1708980 |
| gaaagtatca  | gtcaaagcga  | taccagcttt | agcatcgaag  | atagaagtgt  | gagtgtcacc  | 1709040 |
| caagaagtca  | gaagaaacaa  | ctgcattctt | agtgtaaccc  | aggataccct  | tcaattcgcc  | 1709100 |
| ttcagaagct  | tccttcatag  | cagcgcagat | ttcagcataa  | gtagccgggt  | tagccaagtt  | 1709160 |
| aactgtcaag  | tcaactacag  | atacatccaa | agtcggaaca  | cgcatagaca  | taccagtcag  | 1709220 |
| tttaccgttc  | aaagccggga  | taactttacc | tacagcctta  | gcagcaccag  | ttgaagacgg  | 1709280 |
| gatgatgtta  | ccagaagcag  | cacgaccacc | tctccagtct  | ttcatagaag  | gaccgtcaac  | 1709340 |
| agttttctga  | gtagcagtag  | ttgagtgaac | tgtagtcatc  | aaaccatcag  | tgatacccca  | 1709400 |
| tttgtcgttc  | aaaaccttag  | cgataggagc | caagcagtta  | gtagtacaag  | aagcgttaga  | 1709460 |
| aacgaactga  | gtacctttta  | cgtaagtctt | ttcgttaaca  | ccgcaaacga  | acatcggagt  | 1709520 |
| gtcatcctta  | gaaggagctg  | acattacaac | atatttagca  | ccagcttcga  | tgtgagcctg  | 1709580 |
| agctttttct  | ttagtcaaga  | acaaaccagt | agattctact  | acgtattcag  | cacctacttc  | 1709640 |
| gttccaagcc  | aattcttttag | gatctttgca | agctgttaca  | cggatttctt  | tgccattaac  | 1709700 |
| aatcaatttg  | ctgttttcaa  | cgtcagcttc | gatagtccg   | ttgaatttgc  | cgtgcattgt  | 1709760 |
| atcatatttc  | aacatgtaag  | ccaagtaatc | aaccgggcac  | aagtcgttaa  | tacctacgat  | 1709820 |
| ctggatatcg  | tttctgtttt  | gagctgcgcg | gaatacgaaa  | cggccgatac  | gaccgaaacc  | 1709880 |
| gttaataacct | actttaatca  | ttttgtttta | attttaaagg  | ttttataatt  | caatttttaa  | 1709940 |
| acactcgctt  | tttaaattct  | tgccaccggg | aatccgagat  | tctttacatc  | tttctttcct  | 1710000 |
| gattgcgttg  | caaaaaataag | aattttcttt | tgaacttagg  | cacgaaaagt  | attaaaaatta | 1710060 |
| agaaaaaatc  | agcccgtttt  | ttcaggaatt | ttcctggaaa  | gcttcaatag  | caatgtcatt  | 1710120 |
| ttatatcatt  | ttgcaatccg  | tactttgcac | gtagattatc  | ttttgttcca  | cgaaacgtac  | 1710180 |
| ctttcagagc  | ccagaaagcg  | ctctacggcc | ttttcttctt  | tgtccgtagc  | agataacgca  | 1710240 |
| ctctcctgca  | ccttacatat  | ttatatatta | catacccatt  | acatttttca  | tgcaaggaat  | 1710300 |
| tcgttccgag  | ccctcttctt  | cttcagctat | tttcccaaac  | aaagcattta  | gtcttttcct  | 1710360 |
| ataattatac  | aatacttcgg  | taaattttta | ccgataaatt  | aaaattaaac  | atagaatcgg  | 1710420 |
| cataatccgg  | ttcaaaatta  | tattcaagag | atcattgaaa  | tactgtcaag  | aataaatcgt  | 1710480 |
| caaggagtaa  | gaaaagggat  | gaaaaagata | tgctaaacag  | ctgaaaatca  | acagaaaaag  | 1710540 |
| tatttcataa  | ttcactgatt  | tttagtaaat | tagaagtact  | tcaccacttt  | taattatgac  | 1710600 |
| taaagaatca  | ctccttatgc  | aataccaatc | cgagtgcaga  | aacgctctcg  | aatcagctgt  | 1710660 |
| aaatataagc  | aaatcttttc  | agaaagtatt | catggatgca  | atgaaattat  | tcatggctat  | 1710720 |
| acctgaccgc  | atcaattttc  | tacaaatggg | acgggatgga  | tgttttctcg  | aacagacata  | 1710780 |
| ccgcaacaat  | tttgagaacg  | acggctttga | ctggtttttc  | ttcaatgaag  | ccatcatcag  | 1710840 |
| ggaacacctt  | aaagggtggc  | gcaaggcgat | agccgttgat  | ccgtctttca  | ttccaaaatc  | 1710900 |
| aggcagcaaa  | acgccgtgga  | ttggctattt | ctggctccgg  | tgtgccgggtg | aatacaaacg  | 1710960 |
| tggactggaa  | ataaccggta  | ttggagttaa | agacgttgac  | aaccatgaat  | gtatgacttt  | 1711020 |

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| gggctctgta  | cagacacctg | acaacgcaac  | gctggaaagc  | tgtgagaaga  | atcttggtga  | 1711080 |
| ctggtacagc  | tcttacctta | tcagcataca  | ggaacagctg  | aaacgtattt  | ctggcacagt  | 1711140 |
| cgtgtgtgat  | gcgttctttt | caaaggcaac  | tttcatcaaa  | ccattgtacg  | ataacggttt  | 1711200 |
| ccacgtaata  | agccgtttca | ggaatgatgc  | cgtattgttt  | tatcccacct  | tagaaaaatag | 1711260 |
| gacaggaaaa  | cgcggacgtc | caaaattaca  | tgacgagaaa  | attgactttg  | aaaatctgga  | 1711320 |
| catcacaaga  | tgtaccgagt | acaaagtga   | caagggtaaa  | ctttacggac  | tgaaagcata  | 1711380 |
| ctccaaagca  | ctcaaacgct | ttgtgagcct  | ggctgtatgg  | taccccatgg  | atggaagaac  | 1711440 |
| ggacaaatgg  | cagctgtatt | tctctacaaa  | cgaaatacag  | aacgcacagg  | atgtcctgga  | 1711500 |
| cttttacaga  | acacgtttcc | aactcgaatt  | ctgctttcgg  | gatgccaagc  | aacatgccgg  | 1711560 |
| aatagcaaac  | tgtcagtcta | cagacttcag  | gaaactggca  | ttccacttta  | atgcatcact  | 1711620 |
| tgcagcgata  | aacctcgcca | aggctgcctg  | taagaagatg  | ggaataaaaat | attccatatac | 1711680 |
| atcatgcaag  | tcagtcatac | acaatgctta  | catgcttgaa  | cgattttattt | gcgtgtctgg  | 1711740 |
| gattgaacca  | aacacgcaat | taattgacaa  | acttttcaaa  | gaactcattt  | tattttactgc | 1711800 |
| cagagccgct  | taggctgggc | taatttttaa  | cgaactattg  | attatatata  | aggagataat  | 1711860 |
| atagccaacc  | aacacaaagg | tattgcgcg   | atttactaca  | aagacgtgcc  | gcttaagcaa  | 1711920 |
| aagagtacgt  | accctcccc  | aaagagcatc  | tgtcgataga  | gagagaaaag  | agaacaaaga  | 1711980 |
| gccatcagat  | ataccagaaa | gccgacagga  | gcatcctcac  | gagaaaaagc  | aagcatataa  | 1712040 |
| aggagccgac  | aacgagaaa  | gcaaggaaaa  | acgaaaccac  | tccatctttt  | tcaagacaca  | 1712100 |
| tccggttatc  | catttcaaaa | cgacctgatg  | ccacggcaag  | aatttgtaca  | aaacatttta  | 1712160 |
| ttttttgtac  | aaaaaacaaa | aaaacgtcga  | gacattttta  | gagtgccttc  | tccacgtttt  | 1712220 |
| ccgaaacact  | tgtagcattt | ataaaaaaat  | atgagtatct  | ttgcacgcat  | agaaaatttt  | 1712280 |
| acagaataaa  | atatgcagga | aaaaatcatt  | attctcgact  | ttggttcaca  | gaccacgcag  | 1712340 |
| ctcatcggcc  | gccgcgtacg | cgaactgaac  | atgtattgcg  | agattgttcc  | ctacaacaag  | 1712400 |
| tttcccacaca | atgatccgtc | ggttatcggg  | gtcatccttt  | ccggaagccc  | tttctctgta  | 1712460 |
| tacgatgaaa  | aggccttcaa | agttgatattg | accgatattc  | gcggcaaata  | tcctattctg  | 1712520 |
| ggtatctgct  | acggcgcaca | gtttatggcg  | tataccaacg  | gaggtaaagt  | tgaacctgcc  | 1712580 |
| aacacacgtg  | aatacggacg | tgcacatctg  | gccaaagtgc  | accacgagaa  | tccgttggtg  | 1712640 |
| aaaggcatcc  | gcgaaaactc | tcaggtgtgg  | atgagccacg  | gagataccat  | tacagctatc  | 1712700 |
| cccgaaaact  | ttgaaatcat | tgcttctacc  | gacaaggtag  | cagtagcagc  | ttatcaggca  | 1712760 |
| aaagggtgaaa | aactctgggg | cgtacagttc  | catccggaag  | tattccatac  | agaagatggt  | 1712820 |
| acacagttgc  | tgaaaaactt | cgtggtagat  | atctgcggag  | gtaaacagga  | ctggagcgct  | 1712880 |
| gcatcgttca  | ttgaaacaac | tgttgccag   | ctgaaagaac  | aattaggcaa  | cgacaagggt  | 1712940 |
| gttctcggct  | tgagcggcgg | tgtagactca  | tcggtagcag  | ctgtattgct  | gaacaaggct  | 1713000 |
| atcggaaga   | atctgacttg | tattttcgta  | gaccacggca  | tgctgcgtaa  | gaacgaattc  | 1713060 |
| aagaacgttc  | ttcacgatta | cgaatgtctg  | ggtctgaacg  | ttgtcgggtg  | agatgccagc  | 1713120 |
| gaaaagtct   | tcagcgaact | ggcaggcgta  | accgaaccgg  | aacgtaagcg  | taagattatc  | 1713180 |
| ggcaaaggct  | tcatcgatgt | attcgacgaa  | gaagctcaca  | agataaaaaga | tgtgaaatgg  | 1713240 |
| ctggctcagg  | gtactatcta | cccagactgc  | atcgagtctc  | tgtctattac  | aggaaccgtc  | 1713300 |
| atcaagagtc  | accacaacgt | aggtggtctg  | cccgaaaaaga | tggacctgaa  | gctttgcgaa  | 1713360 |
| cctctccgcc  | tggtgttcaa | ggacgaagtg  | cgctcgtag   | gtcgcgagct  | gggtatgccg  | 1713420 |
| gaacatctta  | ttaccctgca | tccgttcccg  | ggaccgggac  | ttgccgtacg  | tatcctgggt  | 1713480 |
| gatatcacac  | gcgaaaaagt | acgtattctg  | caagacgctg  | acgatatttt  | catccaaggc  | 1713540 |
| ttgcgcgact  | ggaaggttac | cgacgccaac  | ggcaacgaaa  | cttcgcttta  | ccatcaggta  | 1713600 |
| tggcaggcag  | gagttattct | gcttccggta  | cagagcgtag  | gtgttatggg  | tgacgaacgt  | 1713660 |
| acttacgaac  | gtgccgttgc | tttgcgtgcc  | gttacaagta  | ccgatgccat  | gactgccgac  | 1713720 |
| tgggctcatc  | tgcttatga  | gtttatggca  | aaggtttcga  | acgacatcat  | caacaaggta  | 1713780 |
| aaaggcgtaa  | accgcgtttg | ctacgatatt  | tcttcaaaac  | cacccgccac  | aatcgagtgg  | 1713840 |
| gaataaaaaga | ataaaccact | ttcagcagga  | ggcacagact  | acacgggcta  | ccggattaag  | 1713900 |

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| tcaggctact  | ccctgcatgg  | caacgacaaa  | tgagcccaaa  | gcaacagaat  | gcattcagca | 1714080 |
| gaatcaatgg  | aaagggaaaa  | aagttgcgtt  | tttaggcgac  | tccatcaccg  | acaagatata | 1714140 |
| cgtagggacc  | acaaaaaact  | actggcagta  | tctggccgaa  | atgctgggaa  | tcgaaccgct | 1714200 |
| ggtatacggg  | atcaacggca  | atcagtggaa  | cggatatctg  | aaacaagtac  | agaagttgaa | 1714260 |
| agcagacggt  | ggagatgagg  | tagacgccat  | cattatTTTT  | accggaacaa  | acgactataa | 1714320 |
| cgccggaata  | cctttgggcg  | aatggtatac  | gttcagctac  | gaagaaacga  | ccgtaagagg | 1714380 |
| cggaggcaag  | gaagtgcgca  | agaaacgtag  | tgccgacctg  | aacagcaaca  | cgttccgggg | 1714440 |
| acgaatcaac  | gaggcactga  | gttacctgaa  | gcagaacttc  | cccacccagc  | agattatcct | 1714500 |
| gatgacaccg  | atacaccgcg  | cacaggcccg  | attcagcaac  | gacaatatac  | agccggaaga | 1714560 |
| agcgtttccc  | aacaagctgg  | gtctctacgt  | agacgaatat  | gtaaatgcga  | taaaggaagc | 1714620 |
| cggaaacgta  | tgggctgttc  | cggtaatcga  | cctgaacagt  | atctgcggac  | tctacccgat | 1714680 |
| gttcgatgcc  | catacccagt  | actttcatga  | tgcgacgacc  | gaccgcctgc  | acccaaatgc | 1714740 |
| caacggacac  | taccgcatgg  | ccaaagccat  | catgtatcag  | ttgctcgctt  | atccggccga | 1714800 |
| tttcagataa  | tcatcaaact  | tatttcatac  | aaacaacaga  | cccgtgcagg  | ctgagtatcg | 1714860 |
| aaaacagcct  | gtacgggtcc  | gctattatat  | ccgccagcag  | aaaaaatcag  | aaaggcagat | 1714920 |
| cgtccttttc  | gtctgaagcc  | gcaaagtcta  | cgggagcagc  | cggagccgca  | ttcatcggcg | 1714980 |
| ggaaaggagc  | atccatcggc  | ggcatctgct  | gagcagcacc  | tacacgttct  | accttccatg | 1715040 |
| cacggatact  | gttgaaccag  | cgtccctgcc  | attcgcgtgc  | atcaatatcg  | aagaagacat | 1715100 |
| tcaattcctc  | ccctacctga  | atattgaact  | gctgtatTTT  | gtctgcacca  | aacacatcga | 1715160 |
| agcacatccg  | gcgaggatac  | tgatcgtgcg  | tctcgatgac  | atattcctgt  | accttccatt | 1715220 |
| cgttaccatt  | ctttgaaaca  | ccacctctgg  | gctcaagaac  | tgctatcact  | tttcctgcta | 1715280 |
| attccatatt  | tttagtTTTT  | aaatcgggtca | cgaattacg   | cttttctgaa  | caagtaaact | 1715340 |
| aattttttacc | ctcttttttg  | cgatgcttct  | acaatctttt  | cgtaactttg  | gcaagataaa | 1715400 |
| cagcatgcta  | caaagcgtgt  | tatctttccg  | tcggcagagc  | ccgttacgga  | agtatccgat | 1715460 |
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| gccttattca  | gccacttaca  | ggctatcagt  | cgtgttatca  | actcaaagaa  | ttccttgccg | 1715580 |
| atacttgact  | gttttctgct  | ggagttagcag | gacggaacac  | tgctgatgac  | tgcttccgac | 1715640 |
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| gccgtttctt  | ccaagacctt  | gctggaagcc  | ctgaaagaaa  | ttccggaaca  | gcctctgagt | 1715760 |
| ttccagataa  | accccagcaa  | cctggagatt  | actgtacaat  | accagaacgg  | taaatatagc | 1715820 |
| ttaatgggac  | aaaatgccga  | cgaatatccg  | cagactcagg  | aactgggcag  | caacgcggtg | 1715880 |
| caggtaaacta | tgccggctga  | cgtgctgatg  | ggtggcgtga  | accgctgtat  | ctttgcgact | 1715940 |
| gccgacgacg  | aactgcgtcc  | ggtaatgaac  | ggtatTTTatt | tcgacatcac  | ccccgaagac | 1716000 |
| atcacgctgg  | tggcttccga  | cggacataaa  | ctggtacgct  | gcaagacttt  | cgtgcgcac  | 1716060 |
| agcgacgaga  | aggctgcttt  | catcctgccc  | agaagccgg   | caaacctgct  | aaagaacctg | 1716120 |
| ttgccgaaaag | aacagggcga  | tgtacaaatc  | ggattcgacg  | accgcaacgc  | ttcgtttaca | 1716180 |
| ctggaaaact  | accgcatggt  | ctgccgtctg  | attgaaggcc  | gttaccggaa  | ctacaattcg | 1716240 |
| gtcattcctc  | agaacaatcc  | gcacaaggct  | atcatcgacc  | gtgcttcggt  | tatcagtgca | 1716300 |
| ctgcgccgtg  | tgctcagtctt | ctcctcacag  | gcaagcagcc  | tcataagct   | gagtctgtcg | 1716360 |
| gaaaaccaga  | tgaaaatttc  | tgcacaggac  | atcgacttct  | ctacttcggc  | cgaagaaacc | 1716420 |
| attatctgcc  | aatacgaagg  | aatgccatg   | agcatcggct  | tcaagtcttc  | tttcttgatt | 1716480 |
| gacatcctga  | acaacctgtc  | atcgcagaat  | gtagtcatcg  | aactggctga  | tcggtcacgc | 1716540 |
| gcgggagtca  | tcgttccgga  | agaacaggaa  | gaaaacgaag  | acatcctcat  | gctgctgatg | 1716600 |
| ccaatgatgc  | tgaacgattg  | ataaattaaa  | catacagtca  | gcctgccgga  | ttgccggaag | 1716660 |
| actctgtccg  | ttggaagaac  | aaaagaacaa  | gaactctttc  | tgcatgcagt  | aaaagctggt | 1716720 |
| cttttgttct  | tcttccttaa  | agggaagaat  | gatcggggaga | ccacgcaggc  | cgaacaaac  | 1716780 |



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|-------------|------------|-------------|-------------|-------------|-------------|------------|---------|
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| cgggaaacaaa | cataaataca | gaccgtatcg  | tcgagatctg  | ttacctgaaa  | gtttatccga  | 1716900    |         |
| acgggaacga  | agaaagcaaa | accatgcgta  | tcaatccgga  | gatgcatatt  | ccggaagcat  | 1716960    |         |
| cgactgccat  | acacggcatc | cacgatgaag  | atgtggccga  | ctgctcgact  | ttcaaggagg  | 1717020    |         |
| tagccaaaga  | catcgcccg  | gacctggaag  | gagccgacat  | cgccggattc  | aattccaacc  | 1717080    |         |
| gtttcgatgt  | gcccgtactg | gtagaagaat  | tcctgcgtgc  | cggcacgcac  | atcgatctga  | 1717140    |         |
| ccaaacgcaa  | gttcatcgac | gtgcaggtta  | tctatcacia  | gctggaacag  | cgtacacttt  | 1717200    |         |
| cggtgccta   | caagttctac | tgcggcaaga  | atctggaaga  | cgctcacacc  | gcagaagccg  | 1717260    |         |
| acacacgtgc  | tacctacgaa | gtgctgaaag  | ctcagctcga  | ccgttatccc  | gatgtactgg  | 1717320    |         |
| aaaacgacat  | caagttcttg | tccgactatt  | ctacttacag  | caagaacgta  | gactttgcgg  | 1717380    |         |
| gacgtatcgt  | attcaacgac | gacggagtgg  | aagtcttcaa  | cttcggtaag  | tacaaaggta  | 1717440    |         |
| taccggtggc  | agaagtattg | cagcgtgatc  | cggtttacta  | tggatggata  | ctgaacggcg  | 1717500    |         |
| acttcacgct  | gaacacgaag | aattgtactga | ctaaaatcag  | attgcgcgaa  | agcggattgg  | 1717560    |         |
| tgaacaagc   | atgatgaaag | gaaagaaaat  | agtattgggc  | attacgggaa  | gtattgccgc  | 1717620    |         |
| ttacaaagca  | gccatcctta | cacgcctgct  | gataaagaag  | gggtgcggaag | tgcagatcgt  | 1717680    |         |
| catcacaccg  | gctggaaaag | aattcatcac  | acccatcacg  | ctgtcggcac  | tgaccagcaa  | 1717740    |         |
| gcctgtcatc  | agtgtgttct | tcgcacagcg  | cgacgggaaca | tggcatagcc  | acgtagactt  | 1717800    |         |
| agggttatgg  | gccgatgcc  | tggatcatagc | tccggctacc  | gcttctacca  | tcggcaagat  | 1717860    |         |
| ggctcacggc  | atagccgaca | acatgttgtt  | tacgacttac  | ctttcgatga  | aggctcccgt  | 1717920    |         |
| gttcgtggct  | ccggccatgg | acctcgacat  | gtttgcccat  | ccttctacac  | agcataacct  | 1717980    |         |
| cgatattctc  | cgttcgtacg | gaaatcacat  | catcgaaccg  | gcacgcggcg  | agcttgccag  | 1718040    |         |
| tcatctggtg  | ggaaaaggac | gaatggaaga  | gccggaaaag  | attgtggagg  | tactggaagc  | 1718100    |         |
| tttctttgcc  | cgacaggagg | acctgaaagg  | taaaaagggtg | atgattactg  | ccggccccac  | 1718160    |         |
| gtacgaaaag  | attgatccgg | tacgctttat  | cggaactat   | tcttcgggaa  | agatgggcta  | 1718220    |         |
| tgccctggca  | gaagtctgtg | ccgaacgggg  | agcagaagta  | accctcgtca  | gcggaccggt  | 1718280    |         |
| gaatctgaca  | accgtacatc | cgcgcatcca  | tcggatagac  | gttgaaagcg  | ctgaacagat  | 1718340    |         |
| gtattgtgaa  | gcaaagaagg | catacgccga  | agccgatgcg  | ggatattctt  | gtgcagcagt  | 1718400    |         |
| ggccgacttt  | acaccggaac | agactgccga  | ccataagatc  | aaacgtgaaa  | aagaagatct  | 1718460    |         |
| ggttctacgc  | ttgaaaccga | cacaggatat  | tgcagcagca  | ctgggtaagg  | agaaacagcc  | 1718520    |         |
| tcaccagcgt  | ctggttgggt | ttgccttggg  | aaccaacgat  | gaagtacagc  | atgcccagga  | 1718580    |         |
| caaactggaa  | cggaagaact | tcgatttcat  | cgtactcaac  | tcgctgaacg  | acaaagggtgc | 1718640    |         |
| cggtttccgt  | tgcgatacca | ataaaatcac  | cattatcgac  | cgacaggagg  | aaacccccta  | 1718700    |         |
| tccactgaaa  | gggaaaaagg | aagtagcaga  | agatatcatc  | gataaacttg  | ctgccatcct  | 1718760    |         |
| ccattaagta  | aaccgaaagg | aatacgtatg  | ttacagtcta  | tttatataca  | aaactatgcg  | 1718820    |         |
| ctgattgata  | agctggatat | tgatttttca  | tccggcttct  | cggtcattac  | aggtgaaaca  | 1718880    |         |
| ggtgccggta  | aatccatcat | tttaggagca  | atcggctctt  | tgctgggaca  | gcgtgccgat  | 1718940    |         |
| gtcaaggcta  | tcaaaaacgg | agcctccaaa  | tgcacgtcgc  | aagctaagtt  | ccgcatatcc  | 1719000    |         |
| acttatggca  | tggaggcttt | ctttgccgag  | aacgacatcg  | aatacgatcc  | cgacgaatgt  | 1719060    |         |
| atcttgcgac  | gggaagtatc | agccaacgga  | aaaagccgcg  | ccttcatcaa  | cgatactcct  | 1719120    |         |
| gcctcacttg  | cccagatgaa | agtgtctggg  | gagaaactca  | tcgatgtgca  | cagtcagcat  | 1719180    |         |
| cagaacctgt  | tgtcaacaa  | agagggtttc  | cagttgaata  | tactggatat  | tctggcacag  | 1719240    |         |
| gacgacaagc  | agcttgccgc | ctatcagcaa  | gtgtatgcaa  | actacagaca  | ggtatgccgc  | 1719300    |         |
| gaactggacg  | attttatcga | acaggcagaa  | aagagccgca  | aggacgaaga  | ttatatctgt  | 1719360    |         |
| ttccagctgg  | agcaactgga | agaagccaat  | ctgaagggaag | gtgaacagag  | tgaactggaa  | 1719420    |         |
| caggaagccg  | aaaccttgag | ccacgcagaa  | gatataaagg  | ctggactgta  | caaagccgaa  | 1719480    |         |
| caactgatag  | acggtgaaga | aggcggggca  | ctctcacaga  | ccaaggagtg  | catgcagacc  | 1719540    |         |
| ttacagaaca  | ttgcacgtgt | atatgtctcg  | gcaagcgaat  | ggaccgaacg  | gctgaacagt  | 1719600    |         |
| tgtacatcgc  | aactgaaaga | tattgcacac  | gatctggctg  | gtgccgaaga  | agaaattgaa  | 1719660    |         |

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| ttcaatcctt  | cacgactgga | ttatgtaa   | gaacggctga  | accagattta | cagcctccag | 1719720 |
| caaaaacata  | aagtcgactc | ggtagaagca | ttgatcgaac  | tgacggccga | ttatcgcaag | 1719780 |
| caactgaatg  | ccattacttc | cttcgacgac | cgcattgccg  | aactgaacaa | ccgaaagaca | 1719840 |
| gccctttatg  | aagaagtgt  | gaaacaagcc | tcgcagctca  | cagttctccg | taccgcatcg | 1719900 |
| gcacgccata  | tagaggaaca | catgaaatca | ctgctcgttc  | ctctgggtat | gccaatgta  | 1719960 |
| cgctttgccg  | tggaactgac | tccccgcaag | gaaccggatg  | caaagggat  | ggacagtgtg | 1720020 |
| acatttcttt  | tctcggccaa | caaaaacgga | accttgacga  | acgtggcctc | cattgcttcg | 1720080 |
| ggaggagaaa  | ttgcccgtgt | catgctttcg | ctgaaagcca  | tgattgctgg | agccgtaaaa | 1720140 |
| ctaccgacca  | tcattttcga | cgaattgat  | acgggtgtat  | cgggttcgat | agctgaaaag | 1720200 |
| atggcactta  | tcatgcagga | tatgggacga | cagaaccgtc  | aggtgatcag | tatcacccat | 1720260 |
| cttccgcaga  | ttgcagcacg | aggaagtgcg | cactataagg  | tttacaagga | agatactgaa | 1720320 |
| acaggcacca  | acagccacat | ccgactgctt | acgcaggaag  | agcgtgtaca | ggaaatagca | 1720380 |
| aatatgctga  | gcggaagtac | acttacagaa | gccgccttga  | acaatgcgcg | cgcactgctg | 1720440 |
| gcaggaaact  | caagtcttta | aaaacgaaac | aaaacaagat  | atgattgaaa | aaaacgaaat | 1720500 |
| gatattcggc  | gtaagagccg | tcacgaagc  | catacaggca  | ggtaaggaaa | tagacaaggt | 1720560 |
| actggtaaaa  | aaggatatcc | agagtgatct | ctcgaaagaa  | ctttttgccg | cactgaaaga | 1720620 |
| tactttcatc  | cccgtacaac | gggtaccggt | agaacgcac   | aaccgtatca | cgaagaaaaa | 1720680 |
| ccatcagggg  | gtcgttgc   | tcatctctcc | cattacctac  | cagcgcacgg | aagatattgt | 1720740 |
| tccgttcctc  | tttgaacaag | gcaagaatcc | gctgctaate  | atgctggacg | gactgaccga | 1720800 |
| cgtacgcaac  | ttcgggtgcc | ttgcgcgtac | ctgcgaatgt  | gccggagtgg | atgctattat | 1720860 |
| cattccttcg  | aaaaacagt  | tcagcgtgaa | tgccgatgcc  | atcaagactt | cggccggagc | 1720920 |
| attgcacacc  | atcccgggat | gccgtgagaa | caacctgacc  | aacactatca | agttcctgaa | 1720980 |
| agaaaagtga  | ttcaaaatcg | ttgctgcaac | cgaaaaaggc  | gactacgatt | acaccaaagc | 1721040 |
| aacttatata  | gatcctactt | gtatcatcat | gggagcagaa  | gacacgggtg | taccctacga | 1721100 |
| acacctttct  | ctttgtgatg | aatggatcaa | gattccactg  | ttcgggtcca | tcgagtcact | 1721160 |
| caacgtatcg  | gtagccgcag | gcacctgat  | ttacgaagcc  | atcaagcaac | gcggattcga | 1721220 |
| taacgaagaa  | taaaaacata | aaaataaaaa | cacatgaaaa  | agacattact | tataatagct | 1721280 |
| tgtgggatgt  | ccttcctttc | cggattttca | caagaacttc  | ccaaatgggc | tagtaaagcc | 1721340 |
| agaaaagcag  | tcttttcggt | catcacttac | aataaggaca  | accagattct | gaatacggga | 1721400 |
| aacggattct  | acatcgatga | agaaggaacc | gccgtttccg  | actataccct | gttcaaagg  | 1721460 |
| gccgaccatg  | cagtaattgt | aacggcagac | ggtaaggaa   | tgcccgtaga | atacatcatg | 1721520 |
| ggagcaaacy  | acatgtacga | tgtagtgaag | ttcaagacgg  | agttcgacaa | gaaagctgct | 1721580 |
| gccctgcaac  | cggcctcgca | gactgctaag | acaggtgaaa  | ccgtttacct | gcttccttac | 1721640 |
| tctaccacga  | aatcggccga | aggacagaac | ggaacaattg  | cccgaattga | taccattgcc | 1721700 |
| aacaattcgt  | tctactatac | gctgaacatg | caaactacgg  | ataaaatcgt | aagctgtccg | 1721760 |
| gttatgaatg  | ccaacggaga | ggtactggga | ttgattcaga  | aaaatgccga | tccggaaagc | 1721820 |
| aaggaaaagt  | atgccatcgg | tgtaacttat | gcacgtcat   | tgtctatcag | ccccttatcg | 1721880 |
| gtaaacgatc  | ttaccctaaa | atcgatcgg  | atcaagaaag  | gacttcccga | agatgaatcg | 1721940 |
| caagccctgg  | tttatctgta | tatggcagct | tctacgctcg  | accgtgacag | ctatctgaac | 1722000 |
| ctgttgaacg  | atttcattgc | caaatatccg | gaaaatcagg  | aaggctatct | gcgtcgtgct | 1722060 |
| acgtgttaca  | tgaacttcgg | cgacgatacc | cacaacgctc  | tggcaaccga | ggacatgaac | 1722120 |
| aagatgcttg  | atctgtctaa | gcaaaaggat | gatgctcatt  | acaacattgc | caaactgatt | 1722180 |
| tacagtacc   | agttgaacaa | gggagataaa | ccgacttatg  | ccgactggac | tttcgaccgc | 1722240 |
| gcgctgaatg  | aaataaatga | agccatccag | atagctcagc  | aacctattta | ctatcaggta | 1722300 |
| caggagagata | tttatcttgc | catgcaaaag | tatgcagagg  | cgtttactgc | ttacgacaag | 1722360 |
| gtaaacaaga  | gcccgttg   | ttccgctgca | acattctatt  | cgagcgctaa | agccaaagac | 1722420 |
| ttgatggaag  | gagtagacaa | aaaggaagtt | gttgcccttaa | tggatagtgc | tgtagcacgc | 1722480 |
| ttcaacaaac  | cctacggaga | agatgcagcc | ccctacttgt  | acgaacgtgc | cggtgccaag | 1722540 |

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| ttaggacaag | tttcggcaga | attttacctg  | acacgtatgc  | aggctgaaat | gcaatgccgc  | 1722660 |
| atgtaccagc | aagcaataga | tgacatcaac  | aaggcagtag  | aactggatcc | gaacaatgtc  | 1722720 |
| aattactggg | tagaaaaagg | aggtgtatgc  | ctgcgtgtca  | atcaagtaac | cgaagctggt  | 1722780 |
| caggcattgg | aaaaggccat | ttccatagac  | ccgcaaaacg  | ctcctgccta | tcgtatgctg  | 1722840 |
| ggatacattc | aggttcagca | gaaacagatg  | gacaaaggaa  | ttgccaattt | acagaaagca  | 1722900 |
| agcgatctgg | gcgatgaagt | agccatcgga  | ctgctcgaaa  | aatataagaa | ataagacatc  | 1722960 |
| ccgcctggat | ctttttcagg | tataaatcga  | agagtcatag  | tatatccttc | caacgtgggt  | 1723020 |
| tactatgact | cttcttttat | gtataaaaat  | ggttcagcgg  | tttccggagt | tatactcgca  | 1723080 |
| gcatagaacc | atactttgat | aaatctttac  | gtaaaaccgg  | aataatcccg | gtattttcaat | 1723140 |
| ccaactacaa | tcgatccaat | tcctcaaaat  | tctgctgggtg | ggaacggctc | ttttccttac  | 1723200 |
| caaaacggta | agatatattc | agttttatct  | gccgggattc  | accttttccc | cagttccaaa  | 1723260 |
| gctggaaacc | gtcaaaagaa | ctataattat  | cccagttatt  | ggtccagaac | aagtctgtca  | 1723320 |
| atgccagatt | cacagccaga | cgcttcttca  | ggaacgtcct  | gccgagtgcc | aagtctacgt  | 1723380 |
| aaccactggg | ttccatcttt | tcgttcgaag  | cgcccagttc  | tcgggtagca | tacgatccgt  | 1723440 |
| ttacctccag | ctgcaacttc | cacggaagcc  | ggaacgtatt  | catcaaagta | aagataccgg  | 1723500 |
| caaaagcatc | tttggtgaac | ctcctgtaac  | tgtcgaaagc  | aatatctttc | ttgacataat  | 1723560 |
| atcctaccac | gtttacattc | atctcccacc  | atggaataaa  | atgaaatcct | tgattcaacg  | 1723620 |
| taatggaaaa | ctgctgttgt | ttacctatat  | ttttaggagt  | cataattacc | ttgtttatag  | 1723680 |
| acaacgtatc | tgtgatctgt | gccttataat  | ctttcatata  | agtatacgcc | gctgtcaccg  | 1723740 |
| aagtacgctt | gttggtatat | gttgcggtca  | ccgatgagt   | cttttgcgga | gtaaggaagg  | 1723800 |
| gatttccttt | ccagtacgac | aactcatcca  | gaaggtattc  | aaacggattc | aggtcctgat  | 1723860 |
| acgccggccg | gtctattctc | cctccataac  | cgacagccag  | tgactgctcg | tccgttatct  | 1723920 |
| gataattcag | gttgacagaa | ggaaaaacat  | tgagatagcc  | gcgcctgttc | tcttcattat  | 1723980 |
| tcaaaccatt | tatcgtaaac | aaccgcccac  | cggaccatgt  | ctgttctcct | ctcaagccca  | 1724040 |
| gttccatatt | tatcctgtct | cccaaaggga  | acgaatacag  | tacatacgcc | gccagaattt  | 1724100 |
| gctccttata | ggtaaaatca | ttcgattgctg | ttgcgtcgat  | tatttcctga | ttgtctttta  | 1724160 |
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| attttgtgcc | ctccttcggc | atcgacacat  | aatagacatt  | tgccccatac | cggtttcctt  | 1724460 |
| tctgcatgta | ataatcgttt | tgggcatata  | gaatctgctc  | cagcttatca | tgcgctgat   | 1724520 |
| ctcggatttc | ggtagtagta | atggtttgtc  | cggggccgaa  | tagtgcattt | gcagtcaatt  | 1724580 |
| gtccgccaat | cagattccgg | tcattgaatt  | tatattcaaa  | gtccaagctg | ccggcaatgg  | 1724640 |
| tctttcgctt | gtcggtatca | cttgtcggac  | tatcatattc  | tttccccgac | tgaatgcgtc  | 1724700 |
| gcatcccata | atccagatta | taatatccaa  | actgatgatg  | atagttaccc | atcaaactga  | 1724760 |
| acttgtttct | ggtataacta | aaagccagtt  | ccgtattctg  | acggacatta | tcccaataag  | 1724820 |
| aaactccatt | attgaccgaa | aacgaatatc  | cctccgtacg  | ctgccgctgt | gtattgatgt  | 1724880 |
| taatgattcc | gccggaacct | tccgcatcgt  | attgcgtga   | cggattgttg | atgatttcaa  | 1724940 |
| tagaagtaac | ggttgctgac | gacatagact  | tcagcatggt  | aatcaattct | tcctgcttca  | 1725000 |
| tgtaggctcg | ctttccgttg | aaaataatca  | agacaccgtt  | tctgccacca | atactgacat  | 1725060 |
| tatcgttacc | gtctactagt | acgccgggag  | tctttttcaa  | tacatccaaa | gcagaactgc  | 1725120 |
| ccgccagcga | aacactgttc | tttggaagaa  | atacagtatt  | tccgttgaca | atacgtacag  | 1725180 |
| acggagtctg | cttttcgccc | accacaatca  | cattgtccaa  | ctggatgctg | gacgactgga  | 1725240 |
| gcctgacacg | gaaagtggta | tcctgatgag  | cctgaaaagg  | agcactcaga | taaggagtaa  | 1725300 |
| accccaagca | actaacgtat | aattgtatat  | ttccccttgc  | ctgaagactg | aaggttcctt  | 1725360 |
| cctccgaagt | aataccctga | ttgagcgga   | cgcccgtctg  | agcattcatc | acactgacca  | 1725420 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| cagcagcatc  | gacaggctgg  | cccaaagaat  | cggttaccaa  | tcccgacaac  | gtaacatccg  | 1725480 |
| gcttatgctt  | ttccggaacg  | gagtcggcct  | tctgaatgac  | atacgtattc  | tcacgtactt  | 1725540 |
| tcttgacaggt | gaacggtttt  | cctgccagta  | ttgcatgtac  | tacttgctcg  | aatgtctgac  | 1725600 |
| cttcagcccg  | acaagttacc  | tgataagcct  | ctatatcctt  | gtaatcgaac  | agaatatggg  | 1725660 |
| caccactttt  | gttttcaagg  | tctttcagag  | cttccgccag  | agtgacatcg  | tgtaattcta  | 1725720 |
| cgtcgatagc  | tttcgtagtc  | tgtgcagtca  | ggacagaact  | gcaccataaa  | acgaagcaga  | 1725780 |
| atgactgcmc  | taatcttagt  | ttcataaaat  | cgttctttta  | aattagtatt  | tgctatcagt  | 1725840 |
| acgaattaca  | tccgaaaacg  | ggtaccggca  | ttttaaat    | ttttccgaca  | atgattgtct  | 1725900 |
| tatcttcgag  | aacgacggga  | ttcttgctga  | cataattcag  | caattctatg  | atggaagcaa  | 1725960 |
| gtgactcatt  | cctgaaagcc  | ttgaaatgca  | ggcggctggt  | catgcattcc  | ttatccctga  | 1726020 |
| atactacatt  | tacattgtac  | cagcgcccca  | gttcacataa  | tatttctacc  | agcgtctgat  | 1726080 |
| tgctgaaata  | aaaactgcct  | tactccaag   | cggtaatatc  | ggcggctctgt | gtcgtcctga  | 1726140 |
| ctgtgcmcaa  | ttcatgcttg  | tcagtcagta  | cggcctgttc  | gccgggacgg  | ataagcagac  | 1726200 |
| tatctgccct  | ctgtgcagaa  | acgaccttca  | aggagccga   | caacaaagtt  | atcttcatct  | 1726260 |
| tttcgggtggc | atagttcctt  | acattgaaca  | cagtaccta   | cactcgggca  | cttaatccgt  | 1726320 |
| cggaccggac  | gataaacgga  | tggagagaat  | cttttgcaac  | atcgaacaat  | ccttctcctt  | 1726380 |
| gcagagtcac  | caagcgtata  | tccctaccga  | aactggaaac  | agcgtaaaga  | aggctgcttt  | 1726440 |
| ccgcattgag  | tgtaacaact  | gtaccatcgg  | gtaatgttat  | ttgcttctgc  | attccgcgtg  | 1726500 |
| gaacctcaat  | tgctattact  | ccgtttatcg  | tttctgcct   | tacgggatgt  | gctgtctgta  | 1726560 |
| tggttcgaa   | tacctgtaat  | cccttatcct  | cggctgccgg  | attgcgcaaa  | atgaaaagca  | 1726620 |
| atgcgataca  | agccgtgct   | accagaccga  | tactccacgg  | aataaccgat  | gtctttctat  | 1726680 |
| gccggcgctc  | gaatacattc  | cattccttat  | tgatatcagg  | ttgggaaacc  | tgctgccgtg  | 1726740 |
| ccaaagcctc  | ccttgacagac | aatatggtgc  | gtgcattctg  | cacacactct  | tcgtcggcaa  | 1726800 |
| acaaactgtc  | aagttcttct  | ttcgtaaagg  | acgacggatt  | ctctaaagcc  | tctagaacac  | 1726860 |
| gagctaattt  | atcttctgaa  | tcttgtttca  | tgatacgaac  | tttattatta  | tacgttttgt  | 1726920 |
| cttacagtct  | gggtactaac  | ctgagttact  | ttaagtcgaa  | ttcctgccgt  | attaaacgca  | 1726980 |
| ggactttcat  | gatatgcttc  | tttactccac  | tactgtctgat | atgatactcc  | tgagccactt  | 1727040 |
| cgctgtat    | cttattttga  | aaataacatc  | gggtaaaaat  | acctttagta  | ggttctccca  | 1727100 |
| gttctgcaat  | aatcctttca  | atccgcgtca  | tccgttcttc  | atagaggctt  | gaatcatcca  | 1727160 |
| cttctctgc   | aatcatatga  | tagagttcta  | cgtactgttg  | ctctaccttc  | cggtgacgca  | 1727220 |
| aatagtcaag  | acatcggtta  | cggacgagtg  | tataaagata  | ggaagacagt  | gttcctggat  | 1727280 |
| tcaactcatt  | gcactgcgac  | cagatTTTTT  | cgaatacgtc  | gtttacaatg  | tctttcgaag  | 1727340 |
| tctcctcgtc  | taccacaaac  | tgaaagcaat  | aataatataa  | acgagtgtaa  | tacgttttat  | 1727400 |
| aaactgcctc  | aaaacgttct  | ttcgatagtc  | tgTTTTTctt  | atgttgaaag  | tgaaatattg  | 1727460 |
| gcatgaaaca  | ggagtataaa  | aagcataaaa  | tggtttcagg  | cgtacaagg   | tttctataat  | 1727520 |
| aaatccgcag  | ttttcacctc  | agttacaaag  | atgaataact  | acaaaaacgt  | atcagtaaag  | 1727580 |
| gtttaacgac  | aggctatatt  | ctttgtaaga  | tgtattcaga  | ggttctttct  | actcatacga  | 1727640 |
| tatgttcact  | atgagtagaa  | agaacaagac  | attcacttga  | atcatattat  | ccgacagatc  | 1727700 |
| atactactgg  | gaagacctga  | taatttatcc  | tctaaacagg  | tctatccctt  | cggctggcaa  | 1727760 |
| acgaaatgaa  | tgtgaattac  | tcattcattt  | cactcaacta  | atctgtccga  | atgataaagc  | 1727820 |
| gagaaaaacc  | gtttactcaa  | cgcttcaaca  | aacctatTTT  | caggttcagc  | ttaaaatagt  | 1727880 |
| aaacgccatt  | ctcacgctcc  | agatagccat  | acttatcttt  | ttcggtagag  | cctttctcca  | 1727940 |
| atcgtgaatt  | atagaacagg  | aaatcggcaa  | acgtctggcg  | ataggcacgc  | tgataacaca  | 1728000 |
| aaacttcgcc  | ttcgctgtgc  | acaaacaaaa  | agccacagat  | agccgattcg  | gtaccattat  | 1728060 |
| atagcttcgc  | cggacgcatt  | cctgtagcca  | atgccaacag  | gaactccttt  | atTTTtatatt | 1728120 |
| cgtagaaacc  | atgcttggtt  | atcaattcat  | ccttaatctt  | aagcggattc  | aggcgcttta  | 1728180 |
| cctcttctgt  | cagttcggat  | accttcgtaa  | tgccatccag  | ccacatcaga  | cgggtcatct  | 1728240 |
| ccgcaagaag  | gcgccccatg  | tgtaaagtcta | tcatagcaag  | attactgcgg  | aatatcttat  | 1728300 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| cggtacatc   | gctgtacttc  | aatactcctc | ccagccgttc  | aatcatcaac  | atacgagata  | 1728360 |
| tcacatcatc  | ttcctcgcct  | tcggcattga | ttttattgat  | tgtcgggtaca | gcaaacttta  | 1728420 |
| cgccgggtctg | ctcgaacttg  | aaattggcgg | tacgtcctcc  | gtcaagcaat  | ggaaacatca  | 1728480 |
| tccccagccg  | agaacgaaca  | caaaagccgg | taagagggtgc | tgcaacatca  | tagaaagcaa  | 1728540 |
| cactgaagtc  | tgtacgggtca | tctgtcttag | cttccaaatc  | ataaatagct  | acttcatcca  | 1728600 |
| gaaattcttc  | tacaccatcg  | ggagaagtaa | catcatcctg  | cttactgcta  | cgaatggcct  | 1728660 |
| gtaatatcaa  | ctcggccaca  | gtttcgaaat | cttcgcgtgg  | taccagctta  | tccattttct  | 1728720 |
| ctccttttat  | gtggatattg  | tctttctcga | cgatatactg  | gcgtgttccg  | tcgtgttctt  | 1728780 |
| cacgctgtac  | cattgctaca  | ggaatacggt | gctgttcggt  | tctctttaca  | tctggagttc  | 1728840 |
| cagcatatac  | ataaccgtct  | gctaataggc | gaaaaaatgc  | ataaagtctg  | ccccattctc  | 1728900 |
| ttttcgttgc  | ttcaaaggcc  | atatcattat | ctattttaat  | gagcgcaaag  | atagttaaaa  | 1728960 |
| cagatgttaa  | taaaaagcct  | ttcagaatat | gcaaatacta  | aacaatgtta  | tacagcagaa  | 1729020 |
| aaataagtct  | cttttatttg  | tagtataata | aaaagttcct  | acctttgcaa  | tgtgtttttc  | 1729080 |
| atagtattag  | atttaaggtt  | aacaaaaggt | tggagtacag  | cggtactcct  | ttttttatgc  | 1729140 |
| ccttactcaa  | agacggacta  | ttcctgtagc | tattttccac  | aaaatcgcac  | atatttgcac  | 1729200 |
| cctgtatttt  | gctattgtct  | ttttggtagt | agaataaatt  | ctgaacaaaa  | atctatacaa  | 1729260 |
| ctatatatac  | agataaaaaat | tataaatcga | ttatggaaca  | aattcaactg  | aatgaacaca  | 1729320 |
| acaagcagga  | ataccacacc  | atgcatacct | gcgaacatat  | cgtaaaccgt  | accatggtaa  | 1729380 |
| atcttttcgg  | atgtggccgt  | gccgtttcag | cccacatcga  | acgaaagaaa  | agtaaaacttg | 1729440 |
| attttgcctt  | gccacaggcc  | ccctcaccgg | acgatattgc  | acgcattgaa  | cagacggtaa  | 1729500 |
| acgaagttaa  | cgcacaacat  | ttgccagtca | ccaccgaatt  | tatcacacaa  | gaagaagccg  | 1729560 |
| tcggacgctt  | cgatttaaaa  | cgattgcccg | acggagcctc  | ggacaccgtc  | cgaattgtac  | 1729620 |
| gggtcggcga  | ctacgatgaa  | tgtttgtgta | tcggtctgca  | tgtagccaat  | acttcagaaa  | 1729680 |
| taggtacttt  | ccgtatcatc  | agttccgact | ataaagacgg  | aattttccgt  | atgcgtttca  | 1729740 |
| aattgatata  | atcgatgaaa  | tatgagtaag | aaaaaaagga  | gttctacagg  | ttcactcaaa  | 1729800 |
| ggctttattc  | ttctggttat  | tatcatagcc | ggcgctcttt  | atctctatca  | gaatgataat  | 1729860 |
| aaagcagctc  | tacctgaaac  | agtaaaaaca | caggtggaac  | aaactgttga  | taatgccgga  | 1729920 |
| aaatttatcg  | gaaaagcgtc  | agaaaaaaga | actgaaaaca  | ggggaagtgt  | aactgcatcg  | 1729980 |
| aaattggaga  | ttcccgtttc  | agtccaaaaa | cacgatgaaa  | tcaggctggg  | ccgaactgct  | 1730040 |
| tttaccattt  | catacaataa  | tttctataaa | actcccaact  | gggttgccctg | ggaattaaca  | 1730100 |
| cgtcaggaaa  | cagaaggcaa  | tgaggaacgc | aaaacgaagt  | tccttcccga  | tcctgacttg  | 1730160 |
| ccagaacccc  | gggtagaaca  | ttctgactat | acacattcgg  | ggtatgacag  | aggacacatg  | 1730220 |
| gctccagctg  | ctgacatgaa  | atggagtga  | caagcaatgc  | aggaatcatt  | ttacatgagt  | 1730280 |
| aatatttgcc  | ctcaaaacca  | gaaactgaat | cgtgatgact  | ggggagatct  | agaagaaatg  | 1730340 |
| tgccgtaatt  | gggcaaaaaa  | atatggaagg | atttatattg  | cctgcggacc  | tatatatgac  | 1730400 |
| caatctaccc  | ctaaacatat  | cggtcagcat | aaagtcgctg  | ttccagaccg  | tttttttaaa  | 1730460 |
| gtggtattga  | tttacaaccg  | taaaaatccc | atagccatgg  | ggttcctggt  | taacaacaaa  | 1730520 |
| gcaggtcata  | acaaattaga  | aaaatacatg | gttccagtag  | attctgtaga  | aacaattact  | 1730580 |
| ggattggatt  | tcttttcccg  | cctccctgac | gatatagaaa  | atcgaataga  | agctattata  | 1730640 |
| ccagcactcc  | cttaaaggag  | tgtttttttc | ttcacagtat  | caaatacata  | ttgacctttt  | 1730700 |
| ttccgagtca  | agccagcata  | atcaatggca | tgtttcggac  | aatgatgata  | acatgccaaag | 1730760 |
| cacattgcac  | aatgattccc  | ccattcaggc | tttccatcta  | ccagacaaac  | attatgcaat  | 1730820 |
| ggacatacct  | tctcacattt  | tccacacgaa | atacatgcat  | ccgacacca   | aaatggcttg  | 1730880 |
| gctgacatta  | aaaaatgggt  | aaaaagcgga | cgtacaatat  | atgttttcat  | ccaaggaagc  | 1730940 |
| gctccctcat  | gacaatccat  | tatctgctcc | ctcctactca  | gtttctcaac  | aatctctttc  | 1731000 |
| actctgtttt  | ccgattcctt  | cagtttcttc | tgtgccactt  | gcaacggatc  | aacatcaaaa  | 1731060 |
| ccaagtaaaag | aaacgtaagt  | atttggcatt | ataatagaaa  | agccagcatt  | acactgccat  | 1731120 |
| cctttcttcg  | caaaagcacg  | gcagataagt | tcaggagttt  | ttccggtatc  | atctccacaa  | 1731180 |

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|             |             |            |            |            |             |         |
|-------------|-------------|------------|------------|------------|-------------|---------|
| gtacaaacaa  | aaaatatata  | tttgggagta | catactgaat | ataagtttgc | tataaattca  | 1731240 |
| agaacaacag  | caggagggcc  | ccaggaataa | acgggaaaga | caaggcccaa | tctgtcctca  | 1731300 |
| cttgcggtaa  | aagtatcctc  | ccgaacaagc | atatctgcta | tcgaataaac | agactctccc  | 1731360 |
| aacaattcac  | ctaaacgttc  | tgccacccaa | cgagaattac | ctgtaccgga | aaaataaaat  | 1731420 |
| atcataaaaag | caaaatatta  | aagcgattaa | taaaataaag | agtcagaaaa | aaaagcgaag  | 1731480 |
| ttttatattc  | cgcagaaata  | aaactctcgc | tcattctaaa | aaaagaaaag | ccgcacccga  | 1731540 |
| ggcgtgacga  | aactccgata  | aacatgattt | gagtgtcttc | cccctttgta | atccaccggc  | 1731600 |
| ataaatgcta  | cccgaaggcg  | tggcccgcga | ttggaagatg | aagctgttct | cgggtatttct | 1731660 |
| tataatttga  | tgagtttccc  | gattctgcaa | gtgcggcttc | atttttgtat | tacaaaaata  | 1731720 |
| atactttaat  | ctgaaaaaac  | aaaatataaa | ccacttaatt | tttaatatag | accaatagcg  | 1731780 |
| tcaattattt  | ttcttcaaga  | aaagagataa | ttttaaaagc | tcctgctgac | aagctcatat  | 1731840 |
| aaaagcaaaa  | acggagtatc  | actccacgtg | acactccgtt | cttattcggt | aatcgtaact  | 1731900 |
| gtgattaagc  | agcttttgct  | ttagcaacaa | cagctttgaa | tgcttcagga | tggtttacag  | 1731960 |
| ctaaatcagc  | caaaacctta  | cggttgattt | caattcctgc | tttgtgcaa  | gcacccatca  | 1732020 |
| acttagagta  | agacatacct  | tccagacgtg | cagcagcatt | gatacgtga  | atccacaatg  | 1732080 |
| cacggaagt   | acgttttttg  | ttcttacggg | cacggtatgc | ataagtcaga | cctttttccc  | 1732140 |
| aagtgttttt  | agcaacggtc  | caaacattct | ttcttgacc  | aaagtaacct | ctggttaaac  | 1732200 |
| ctaaaatttt  | ctttcttttt  | gctctagaag | caacgtgatt | tactgatctt | ggcatagt    | 1732260 |
| taattctttt  | ttgaatgata  | gcgccgatat | tttacaatcg | aacttgaagc | taatgcattc  | 1732320 |
| ggtaataaat  | ttaaaatgat  | acgtttacgc | tttttccttt | caagattact | tcatgcaaag  | 1732380 |
| aagttcctta  | acttgagtca  | ggtagcact  | gtgtaccaat | cctgcatgta | caaggtttct  | 1732440 |
| tttctgcttt  | ttagtcttct  | tagtcaggat | gtgactgtga | aaagcgtgct | ttctcttgat  | 1732500 |
| tttacctggt  | ccggtaaag   | cgaatctttt | tttagaacgg | gagttagttt | ttacctttgg  | 1732560 |
| catcttatta  | aatttttaatt | attattactc | aatggcggca | acgcactata | ccggcgcggt  | 1732620 |
| acacgctctt  | ttctgttttc  | attcagcttc | ttcggccttt | ggagcaaccg | gcttagcagt  | 1732680 |
| tttcttagga  | gcagtagcct  | ttttaggaga | taaagagatt | gtcattctct | taccttccaa  | 1732740 |
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| cacttctcct  | tggtctttta  | acaagatgga | acgtccttta | aagaacacat | aggcctttac  | 1732860 |
| cttatcacca  | tcctgcaaaa  | agccgatagc | atgcttcaac | ttaaagtgtg | aatcggtgtc  | 1732920 |
| gtcagtttga  | gggtccaaaac | ggatttcctt | cacattaacc | ttaacttggt | ttgccttttg  | 1732980 |
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| tggaggaaca  | gcgttgggtg  | aaatttctac | taaatcagct | tcgtgttctt | ctgctagt    | 1733100 |
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| aaattctttt  | cttccttttg  | tttgctttta | aattataaat | tatcattaaa | tttatctggt  | 1733280 |
| tgtgaaaagca | aatatcgcat  | tgctttcaca | aacggttgca | aagttaccat | ttatttatca  | 1733340 |
| tattatgaac  | ttcttctgca  | atattttttg | caaaatcttc | aattttcatg | gtacctttgt  | 1733400 |
| cgccttcacc  | ttgcttacgt  | acagcaactt | cgccgttttc | agcctctttt | tctcctacaa  | 1733460 |
| tcagcatgta  | agggatacgt  | ttcatttcgt | tatcacgaat | cttacggcca | atcttttcat  | 1733520 |
| tacgatcgtc  | gacaatagca  | cgaatgtcac | tcttcttcaa | ttccagacgg | acctgatttg  | 1733580 |
| cataatcatt  | gaacttctca  | gaaataggca | agattgcaac | ctgatcagga | gtcagccaca  | 1733640 |
| atgggaactt  | accagcagta  | tgttcaatta | atacagcgac | gaaacgttcc | attgatccaa  | 1733700 |
| acggtgcacg  | gtgaatcatt  | actggacgat | gtttctgggt | atctgcgccc | atatattcca  | 1733760 |
| actggaaaacg | ttcaggcaag  | ttgtaatcaa | cctgaatagt | accagctgac | caacgacgac  | 1733820 |
| caatagcatc  | tttcaccata  | aagtccagct | taggaccata | gaaagcagct | tctccatatt  | 1733880 |
| caacttttgc  | cttcagccct  | ttttctcac  | aagcttcaac | aatagctttt | tctgcttttt  | 1733940 |
| cccagttttc  | atcactacca  | atatatttct | cgtgattaac | tttatcacgc | aaagaaatct  | 1734000 |
| gagcttcaaa  | attttcaagt  | cccatagatc | tgaatacgat | agagataata | tccataacac  | 1734060 |

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| gcaggaactc  | atccttcacc  | tgatcaggac | ggcagaagat  | gtgtgcatca  | tcttgtgtaa  | 1734120 |
| agctacgtac  | acgagtcaat  | ccgtgcaact | caccgctttg  | ctcataacga  | caaactgtac  | 1734180 |
| caaattcagc  | aatacgcaaa  | ggcagatcac | gataagaacg  | cggcgtattc  | ttataaatca  | 1734240 |
| tacagtgatg  | aggacagttc  | atcggcttca | agaaatattc  | ttcgccttct  | tccggagtat  | 1734300 |
| ggataggctg  | gaatgaatcc  | ttaccatact | tagcatagtg  | tccagaagta  | acataaagca  | 1734360 |
| acttatttcc  | aattggagga  | cacatgactt | cctgataatc  | gtaacgagcc  | tgaatacggc  | 1734420 |
| gcaagaaatc  | ctgcaaacga  | atacgcaaag | ctgttccctt  | tggcaaccac  | attggaagac  | 1734480 |
| ctttacctac  | catatcagag  | aacatgaaca | attccatttc  | cttaccgatt  | ttacgggtgt  | 1734540 |
| cacgtttttt  | agcttcctct  | aacaatgtaa | gatattcatc  | caacattttc  | tttttaggga  | 1734600 |
| atgtaatacc  | ataaatacga  | gtcatctgtt | tacgatcttc  | ctgtcctctc  | caataagctc  | 1734660 |
| cggctacaga  | caataatttt  | atagctttta | ttggagcagt  | agaaggcaaa  | tgcggaccac  | 1734720 |
| ggcaaagatc  | tgtaaatgca  | ccttgcgat  | atgttgtaat  | gtgaccatct  | tccagttctg  | 1734780 |
| aaatcagctc  | acatttatag  | gtttcacctc | tttcaccaa   | cattttttaa  | gcatacctct  | 1734840 |
| tagaaatgct  | ctggcgtacc  | agttcttctt | tttttagcagc | caattctacc  | attttctttt  | 1734900 |
| cgattgcagg  | cagatcgctt  | tcttttatta | cggcctctcc  | cggatctaca  | tcataataga  | 1734960 |
| aaccgttttc  | gatagccgga  | ccaataccaa | actgaatacc  | cggatacagc  | tcctgcaatg  | 1735020 |
| cttcagccaa  | caagtgaagca | cttgatgcc  | agaatgcatg  | tttgccttgc  | tcatacatccc | 1735080 |
| acttataaag  | tacgaattca  | gcatactcgt | taataggctc  | agttaaatca  | atagtttcac  | 1735140 |
| cgtttacgcc  | acaggctaaa  | acatcctgtg | ccaaacgcga  | actgatactt  | tctgcaatct  | 1735200 |
| gcagaccagt  | tactccttcg  | ttgtactcac | gaacagagcc  | atcaggaaaa  | gtaatcttaa  | 1735260 |
| tcataatctt  | tatgttattg  | atctattatt | gagtcgcaaa  | attaaacaaa  | taaatgaaga  | 1735320 |
| ataaagaatg  | aaggatgaag  | aattttaagc | agttcactta  | caaattcttc  | accctttcac  | 1735380 |
| gtcattttatt | attcattctg  | tttttctgtc | accgaagtaa  | aacgtttttat | cacactataa  | 1735440 |
| gccgaaaaga  | taccaagctc  | tccagccttg | cttaaactct  | gtataccttg  | tctattatta  | 1735500 |
| cccaagaaaa  | catttgcata  | gccacgatta | taatattgcat | ccgaaaaacg  | agaatctaata | 1735560 |
| tcaatagcct  | tattataatc  | aaccagtgc  | gcatgataat  | ccttcatac   | tgccaatata  | 1735620 |
| ttaccacggt  | tataataagc  | ataggcaaaa | tcaggagcca  | agcgaataac  | ttcatccaag  | 1735680 |
| tcacggcgga  | tagcagcata  | atccaacacc | cggacttgag  | gttgctcgcc  | tacatccacc  | 1735740 |
| tttgactcat  | actcatcatc  | cgtatcacgc | ttgcgatatt  | ctaattgttt  | ataatgaata  | 1735800 |
| agcgcacgca  | taaaatagga  | tgggaagaaa | gtcgaatcac  | attctatcgc  | cgtatctaag  | 1735860 |
| tcttttaatg  | cattatcaaa  | atcctgtact | aaatagaaat  | ccattgcacg  | tgcataataa  | 1735920 |
| tgcatcatgt  | tctgagggtc  | ttttacaatc | ttctccgttt  | cctcatcaat  | agaggcaaaa  | 1735980 |
| tgcatgttaa  | cctgctcttc  | tgtcaatgaa | gcttcattat  | tggtaatcag  | cagagggaga  | 1736040 |
| ggtaacacat  | gacgattgtt  | caaatacatc | atatattttg  | aataattaat  | ttgacgtttt  | 1736100 |
| acctcctcct  | gacgctcgta  | atatgtcaaa | gcaaacatag  | gctgcggaag  | aatcgtaatg  | 1736160 |
| tttctatcct  | gcacacgtcc  | acgataatcg | gtcttatact  | tcgtagtttc  | gtcctcattg  | 1736220 |
| tctgcaacga  | taatcttacg  | atagttgttc | atattcttat  | ccgatttctt  | acgagtctta  | 1736280 |
| tctcccgaag  | aagctgtctg  | acgctggctc | gattttccat  | tctgagcatc  | aagctgtgcc  | 1736340 |
| ttcagtacct  | taaattcgtc  | ttcgtctgca | ccccttaagt  | caccagtctt  | tctacgcgcc  | 1736400 |
| tgcgccctat  | actgatatcc  | agccaagaag | ttcggatact  | cattaataac  | agctgtataa  | 1736460 |
| tccgctattg  | ctccagcaaa  | atcaccggtt | ttatcacgta  | acaagccacg  | attgaaaaca  | 1736520 |
| gccatcatat  | tgtcaggctc  | tatttgcaag | acaaagtcaa  | aatcttcaat  | ggcacgatta  | 1736580 |
| tcataccgga  | cttgccgcag  | caacagtccc | cgattgtaat  | gtcctatgaa  | attattacga  | 1736640 |
| tctatatcca  | atgccaaatc  | ataatcctgc | atagcacctc  | ttaaattatt  | ctgatgatag  | 1736700 |
| cgagccaaag  | cacgattaat  | aaacaaacca | gcattacgga  | ccgacaaacg  | aatcgctca   | 1736760 |
| gtcaaatac   | tttcagcatc  | agcatatttt | tcacgctgca  | aaaacaacat  | tcctctcgat  | 1736820 |
| gcccatgtat  | ccgaattata  | acgatccatt | tcgatagctt  | tatcagcatc  | agtcatcgcc  | 1736880 |
| tgaagtgtat  | ccttctgctt  | cagagaaacc | tccgtacgca  | tcaaataatgc | gtctgtataa  | 1736940 |

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| cgaggagcta | tacgaatcaa  | ggtatctaga  | tcggcctttg | ccacaacata  | gtcttcctcg | 1737000 |
| tgcatacggc | acaatgccag  | gttatgccat  | aaacttatat | tttcaggatc  | aagtttcaga | 1737060 |
| gccctctcgt | aatcttgaat  | agcctcttta  | aattttctct | gacgaatacg  | agcaatacca | 1737120 |
| cgtatctgat | aggcattggg  | tacaaacgga  | ttacgtttga | tagcttctgt  | acaatcattt | 1737180 |
| tcagctccct | gataatcatc  | aagattcatc  | tttgccaggc | cacgatagaa  | ataaggctct | 1737240 |
| gccaaataag | gctttgcatt  | aatgacctga  | ttaaaatact | ggattgaaag  | tacataatct | 1737300 |
| tcaaagtaaa | gcgcatcttcg | tccaatagtc  | attaccgat  | ccgtattaat  | ctgagcccat | 1737360 |
| gaaatcaaag | ggaaaaatac  | acctattata  | tataatata  | atcgaatctt  | ccgaatcatt | 1737420 |
| ttactgtttt | caccttgtaa  | gcgcaccttg  | cttttccctt | cagcatattg  | ttcagtttac | 1737480 |
| cctttatcat | ctgcttacgc  | aaagctgaca  | aatgatcgat | aaacatagtt  | ccttccagat | 1737540 |
| gatcaaattc | atgttgcata  | acacgagcaa  | gatatccttc | taccatttcg  | tcgtgtgcat | 1737600 |
| tcatttcttc | atctaaataa  | gttacatgaa  | tcttatcagg | tcgttttaca  | ttctcgtgta | 1737660 |
| tgccaggcaa | gcttaaacag  | ccctcttcca  | tcgaaaccaa | ttcctctcct  | acttccaaga | 1737720 |
| tatggggatt | aatataagca  | cgacgaaaat  | ccttaaactc | tggcatatca  | tcggaagta  | 1737780 |
| catccagggt | tatcactacc  | acacggatag  | gaagcccaac | ctgaggagca  | gcaagtccta | 1737840 |
| ctccatctgc | acgatccatt  | gtttcaaaca  | tattttgaat | taattccttc  | aaattcggat | 1737900 |
| aatccggagt | tatgtcttca  | gcctcttgac  | gaagaacagg | ctgaccatat  | acgtaaatag | 1737960 |
| gtaaaatcat | tgtagtttta  | ttttgagttt  | ttaaattcgt | tttgattcaa  | gataagattg | 1738020 |
| tagaattatt | gtagacttta  | tttcatccac  | caatgctttg | ttttgacgat  | cttttttctt | 1738080 |
| tagccccccc | atcaacattg  | cctgatgcgc  | caagaccgaa | gtaaaacgtt  | catccaccag | 1738140 |
| ctcaacgggc | atatcaggta  | atagtttttt  | caaacgattc | atgaaaggta  | ctatatctct | 1738200 |
| catattttca | gaatcctcat  | tattcatttg  | tttgggatgt | ccgataatta  | tacgttcaac | 1738260 |
| cttctcctgc | tgcatataat  | tcaacaagaa  | atccatcaac | tgatgtgtag  | ccacagtcgt | 1738320 |
| aagtccattg | gcaatcatct  | gcatcgggtc  | agagaccgca | atgccgggtac | gctttcttcc | 1738380 |
| gtaatctatt | gctaaaattc  | tactcatagt  | tgctcgcaaa | aatacaaaaa  | ttgctgtaaa | 1738440 |
| tggggcagaa | tacaaacatg  | tttttatatt  | ttttcaccac | gaaacttaac  | aatacttcgg | 1738500 |
| taaattttta | ccgataaatt  | aaaattaaac  | atagaatcgg | cataatccgg  | ttcaaaatta | 1738560 |
| tattcaagag | atcattgaaa  | tactgtcaag  | aataaatcgt | caaggagtaa  | gaaaagggat | 1738620 |
| gaaaaagata | tgctaaacag  | ctgaaaatca  | acagaaaaag | tatttcataa  | ttcactgatt | 1738680 |
| tttagtaaat | tagaagtact  | tcaccacttt  | taattatgac | taaagaatca  | ctccttatgc | 1738740 |
| aataccaatc | cgagtgcaga  | aacgctctcg  | aatcagctgt | aaatataagc  | aaatcttttc | 1738800 |
| agaaagtatt | catggatgca  | atgaaattat  | tcatggctat | acctgaccgc  | atcaatttcc | 1738860 |
| tacaaatggg | acggtatgga  | tgtttctcgg  | aacagacata | ccgcaacaat  | tttgagaacg | 1738920 |
| acggctttga | ctggttttcc  | ttcaatgaag  | ccatcatcag | ggaacacctt  | aaagggtggc | 1738980 |
| gcaaggcgat | agccgttgat  | ccgtctttca  | ttccaaaatc | aggcagcaaa  | acgccgtgga | 1739040 |
| ttggctattt | ctggtccggt  | tgtgccggtg  | aatacaaacg | tggactggaa  | ataaccggta | 1739100 |
| ttggagtatt | agacgttgac  | aacctatgaat | gtatgacttt | gggctctgta  | cagacacctg | 1739160 |
| acaacgcaac | gctggaaagc  | tgtgagaaga  | atcttggtta | ctggtacagc  | tcttacctta | 1739220 |
| tcagcataca | ggaacagctg  | aaacgtattt  | ctggcacagt | cgtgtgtgat  | gcgttctttt | 1739280 |
| caaaggcaac | tttcatcaaa  | ccattgtacg  | ataacggttt | ccacgtaata  | agccgtttca | 1739340 |
| ggaatgatgc | cgtattgttt  | tatcccacct  | tagaaaatag | gacaggaaaa  | cgcgagcgtc | 1739400 |
| caaaattaca | tgacgagaaa  | attgactttg  | aaaatctgga | catcacaaga  | tgtaccgagt | 1739460 |
| acaaagttaa | caagggtaaa  | ctttacggac  | tgaagcata  | ctccaaagca  | ctcaaacgct | 1739520 |
| ttgtgagcct | ggctgtatgg  | taccccatgg  | atggaagaac | ggacaaatgg  | cagctgtatt | 1739580 |
| tctctacaaa | cgaaatacag  | aacgcacagg  | atgtcctgga | cttttacaga  | acacgtttcc | 1739640 |
| aactcgaatt | ctgctttcgg  | gatgccaagc  | aacatgccgg | aatagcaaac  | tgtcagtcta | 1739700 |
| cagacttcag | gaaactggca  | ttccacttta  | atgcatcact | tgcagcgata  | aacctcgcca | 1739760 |
| aggctgcctg | taagaagatg  | ggaataaaaat | attccatata | atcatgcaag  | tcagtcatac | 1739820 |



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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| acaatgctta  | catgcttgaa  | cgatttattt  | gcgtgtctgg  | gattgaacca | aacacgcaat  | 1739880 |
| taattgacaa  | acttttcaaa  | gaactcattt  | tatttactgc  | cagagccgct | taggctgggc  | 1739940 |
| taatttttaa  | cgaactattg  | aacttaaagt  | aaacagaaaa  | aatatataag | atataacttc  | 1740000 |
| acgacccctt  | gttgcaaaaa  | acaaagagga  | catgtcacaa  | gacatgccct | cttatattta  | 1740060 |
| ttaaaatatt  | tgtttaagta  | acagaagatt  | atttctcttc  | actccagtcc | atagcagcca  | 1740120 |
| tacgcttgta  | agaagcataa  | cgtttcttag  | ccatatcttc  | acaagcattg | aacaaatcgg  | 1740180 |
| cagcctcagc  | aggatactgt  | ttcattacag  | aagcaaaacg  | aacttcaccc | ttcaggtaat  | 1740240 |
| cctggaagtt  | atcccagttc  | ggttctttag  | aatcgagtga  | gaacggattc | ttaccttctt  | 1740300 |
| cttccagagc  | cgggttgaa   | cgccacaagt  | gccagtagcc  | acattctaca | gccttagcct  | 1740360 |
| cttcagcctg  | agattttacc  | ataccagcct  | tcaaaccatg  | gttgatacat | ggagcgtatg  | 1740420 |
| caataaccaa  | agatgggtcca | tgatatgctt  | cagcttcgag  | gatagctttc | aaagtctgag  | 1740480 |
| cctggtcagc  | accatttgca  | atctgagcaa  | cataaacata  | tccgtaagta | gtagcaatca  | 1740540 |
| gacccaggtc  | tttcttacgt  | acacgcttac  | cagaagcagc  | aaatttagcg | atagcaccca  | 1740600 |
| gcggagtagc  | cttagaagac  | tgaccacctg  | tgtagagta   | aacttctgta | tccagtacca  | 1740660 |
| agatgtttac  | atcttcgcca  | gaagcgataa  | cgtgatccaa  | acctccgtaa | ccgatatcgt  | 1740720 |
| aagaagcacc  | atcaccaccg  | ataatccact  | gtgaacgttt  | aaccagataa | tctttgaatt  | 1740780 |
| cagcgatagt  | agcacagtaa  | gcacatttat  | cttttgacgc  | ttctaccatc | gggataatct  | 1740840 |
| tttcggcagc  | agctttgctc  | ttgtcagcat  | cgttacgtcc  | atcaatccat | tcctggaatg  | 1740900 |
| cttccttgta  | ttcagccgga  | gtaccttcag  | cagcgatagc  | agccttcata | gcgtcttcca  | 1740960 |
| gacggttacg  | cagcttcttg  | ttagccaatt  | ccatacccaa  | accgaattca | cagaagtctt  | 1741020 |
| cgaacaatga  | gtttgcccaa  | gcaggaccct  | gacctttttc  | gttagttgta | tacggagttg  | 1741080 |
| aaggaacaga  | accagagtag  | atagaagaac  | atccagtagc  | gttagcaacc | atttcacggt  | 1741140 |
| caccaaacia  | ctgagaaatc  | agtttcacgt  | acggagtttc  | accacaacca | gagcaagctc  | 1741200 |
| cagagaactc  | aaacaacgga  | gtagcgaact  | gtgagttctt  | cacgttagcc | ttgatattcta | 1741260 |
| ccaagtgctg  | tttagacttc  | acgttttcag  | tacagtaagt  | ccagttagca | gcttcaggca  | 1741320 |
| actgactttc  | cagatgtttc  | attgtcaaag  | ccttgccacc  | cttcttcgga | ttaccgagac  | 1741380 |
| atacatcagc  | acagttaccg  | caaccagac   | agtcgagaac  | gtctacctgt | acacggaatg  | 1741440 |
| tcataccgtc  | gaactgtttg  | ccgacagcct  | tcagcatcgg  | gaagttagca | cccttctgtt  | 1741500 |
| cttctgcac   | gagaacgaac  | ggacggattg  | cagcgtgagg  | acaaacgtat | gcacacttgt  | 1741560 |
| tacactggat  | acagttttca  | ggattccatt  | ccggaacgaa  | tgcagctaca | ccacgttttt  | 1741620 |
| cgtatttagc  | tgttccctga  | tgccatgtac  | cgtcttcgat  | acccttgaat | gcagataccg  | 1741680 |
| gcagcaagtc  | accatcctga  | gcattgatcg  | gacgaacaac  | ttcgttgatg | aatgcaggat  | 1741740 |
| cattgttggc  | agcagcagct  | tcaacttcca  | agtttagcca  | agccggatct | acagtcaact  | 1741800 |
| gcttgatttc  | accaccagca  | tcaacggcag  | cgtagttctt  | gttgactaca | tcttcaccct  | 1741860 |
| tcttaccgta  | agacttcacg  | atgaacttct  | tcattctgttc | aacagccaag | tctacaggaa  | 1741920 |
| taacgcctgt  | gatacggaa   | aatgcagact  | gaaggatagt  | attggtacgg | ttaccagac   | 1741980 |
| caattttcctg | tgcaatctgt  | gtagcgttga  | tatagtaaac  | aataatattg | ttttctgcga  | 1742040 |
| aatattttctt | aaccttggtc  | ggcaagttct  | tagccagttc  | ttcaccttcc | cagatagtat  | 1742100 |
| tcaacaggaa  | agtaccgttc  | ttgctgcagac | cacgagttac  | atcgtacatg | tgcaggtaag  | 1742160 |
| cctgaacgtg  | gcaagcaacg  | aagttcggag  | tagttaccag  | ataagttgag | tgaatcgggt  | 1742220 |
| gattaccgaa  | acgcaagtga  | gaacaagtga  | aaccaccaga  | tttcttagag | tcgtaagaga  | 1742280 |
| agtaagcctg  | gcagtattta  | tcagtgttgt  | caccgatgat  | ttttacagag | ttcttggttag | 1742340 |
| cacctacagt  | accatcagca  | ccaagccat   | agaatttagc  | ttcgaataca | ccttctgcgc  | 1742400 |
| caagagcgat  | ttcttctttc  | tgaggcagag  | aagtgaaggt  | aacatcatcc | acaataccga  | 1742460 |
| tagtaaagtg  | atccttcggc  | atcgggagtt  | ccagattttc  | gtatacagac | aaaatctgag  | 1742520 |
| ccggagttgt  | atcttttgaa  | cccagaccgt  | aacgtccgcc  | tacgatcaac | ggagcatttt  | 1742580 |
| cctgtccgta  | gaatacgtct  | tttacatcca  | gatacaaagg  | ttcgccgtta | gcacccggtt  | 1742640 |
| cttttgtacg  | atccagaaca  | gcaatacgtt  | ttactgtctt  | aggtacttta | gccaggaagt  | 1742700 |

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| gcttagcaga  | gaacggacga | tacaagtga  | cagcaaccaa  | acctactttc  | ttgccctgag  | 1742760 |
| cagtcaggta  | gtcgatagct | tcacgagtag | cttctgttac  | agaaccata   | gcgatgatga  | 1742820 |
| tgttttctgc  | atcctcagca | ccataataat | cgaacaagcc  | gtagttacgt  | cctgtaatct  | 1742880 |
| tgttgatttc  | gttcatatat | tcttctacga | tagcaggaac  | tgcatacatag | aacggattac  | 1742940 |
| ctgattctct  | gtgctggaag | aagtgatccg | ggttttcagc  | cataccgcga  | gcaaccgggt  | 1743000 |
| tgtaggggct  | aagtgcgcgt | tcacggaatt | cagctaaagc  | tttctgatcg  | ataagcggag  | 1743060 |
| ccaaatcttc  | gttatccagc | ttttcaatct | tctggatttc  | gtgagaagta  | cggaaacccat | 1743120 |
| cgaagaagtt  | cacaaacgga | acacgagatt | taattgtaga  | caagtgaagct | acaccagcca  | 1743180 |
| aatccataac  | ttcctgtact | gaaccttcgc | acaacatagc  | aaagccagtc  | tgacggcaag  | 1743240 |
| acattacatc  | ctgatgatca | ccgaagatac | acagtgcag   | agaagccaat  | gtacgtgcag  | 1743300 |
| atacatggaa  | tacacatggc | aagaactcac | ctgctatttt  | gtacatgtta  | gggatcatca  | 1743360 |
| acagaagacc  | ctgagatgca | gtataagtag | ttgtcaatgc  | accagcctga  | agagaaccgt  | 1743420 |
| gtactgcacc  | ggcagcacca | ccttcagatt | gcatttcctg  | aaccaagaca  | gtttcaccga  | 1743480 |
| agatatTTTT  | acgacctgcg | gcagccatt  | catctacatg  | ttcagccatt  | gtagatgacg  | 1743540 |
| gagtgatagg  | atagatagca | gctacttctg | taaacatata  | cgagatatga  | gcagcagctt  | 1743600 |
| cgttaccatc  | acaagtgata | aatttttttt | gttttagtcat | acaattacta  | attattatta  | 1743660 |
| ggtaataaaa  | tctgtttcaa | cttcaatagt | ctcatcaata  | cagaaaacca  | aacagccata  | 1743720 |
| agggaaatctg | gtttccatgt | cctaattctg | atztatgcat  | agcataatat  | atattaggac  | 1743780 |
| tattcttgaa  | cttatatcct | tcgctgcata | tacggaagtt  | aagactttcg  | tctaccagga  | 1743840 |
| acgaagtacc  | tttttctcct | ttatttactt | tatgatcttt  | ccaaagagaa  | ttgacaaaga  | 1743900 |
| aagtttccag  | cacatcctgt | tcttccacct | tcaccggata  | aatactgtac  | atcagattag  | 1743960 |
| tattgtgcat  | cataatcttt | gccggctttt | tcgggaagac  | ttcacctttg  | ggatagacca  | 1744020 |
| tatttatcag  | tcgtgcatcg | gcaagatact | taatgtagtt  | catcactgtg  | gcacgagagg  | 1744080 |
| tttgtatgtc  | ggcggccaat | tggctgacat | tgggcgcaac  | aggaccgtct  | actgccaaca  | 1744140 |
| aatataataa  | tttttttatt | ttcgacagat | atttcaattc  | aatttggttg  | ataagaagga  | 1744200 |
| tgtctacttc  | tatcatcata | ttcatggctt | tcaacaggtt  | ctcagagaag  | tatctttttt  | 1744260 |
| caaggaagaa  | cggataaaaa | ccatgatgga | tataatcctg  | aaaataatta  | agcggattag  | 1744320 |
| tatgaggcaa  | tattgttttt | gcaatatgct | cgtgattagt  | cagaatttcc  | tccagactat  | 1744380 |
| aagaagaaaa  | atgatttccc | gtctgtaa   | ttagaaactc  | cctaaatgaa  | aaccgcgcta  | 1744440 |
| agttatagga  | acggacgatt | ccattcagct | ccggattctc  | atctttcaga  | cgcatgacag  | 1744500 |
| acgagcccg   | aaaaacaatc | tttaaattag | gataacgctc  | atagcatata  | cggagatcat  | 1744560 |
| gactccagtc  | cggcaactta | aacacctgat | ctatcaatag  | cacttttcct  | ccgcgcttga  | 1744620 |
| caaactcacc  | cgcaaaatct | accaaactat | attgagagaa  | atagaaatta  | ttcatgttta  | 1744680 |
| cgaacaaaca  | tgaacggctg | aaaccaaact | tttctttcgc  | atactgcaac  | aaaaaagtcg  | 1744740 |
| tcttgccaac  | tccccgagtc | cccttaattc | ctatcagacg  | agcactccag  | tctatttcat  | 1744800 |
| ccatcaggtc  | gcgtcgacac | ggggcattgg | tatgttcaac  | caaataatta  | tgtgttctgt  | 1744860 |
| aaaatacttc  | catgaaattc | cgtttcttcg | ctgcaaatat  | agtaataactt | cctcaatttg  | 1744920 |
| caaactggag  | ttgacaaaat | attatttttt | tacgctaact  | ttgcgaacgt  | aaaaaacagg  | 1744980 |
| catctatgat  | aaaagaaatc | tatctcttta | atcctgaaaa  | cgatatggct  | ttggccaatt  | 1745040 |
| tcacacctta  | ttataaagca | ccaacagaga | taatccaaat  | gtcaaaggat  | ttatcggtac  | 1745100 |
| tgctgcatg   | gtatgccctt | cagggaagca | tgatcaaact  | agattcactt  | tcacaagcag  | 1745160 |
| atgtgtcaa   | agaacaatgt | ccctttccgg | aactgattcc  | acaagtagaa  | tggaagtact  | 1745220 |
| catgggacaa  | tgtaccttat | cgcccatggg | gatggaatcc  | ttctctactc  | catgctttac  | 1745280 |
| aaatggccgg  | catttcttcc | caatacttat | tatcgaacga  | acagatggaa  | aagttacgtt  | 1745340 |
| tcctgtccgg  | acggcaacgc | tgctggaag  | tcctagaatc  | tttttcttcc  | atgaaccatt  | 1745400 |
| tatgcygaca  | ggcaactata | tgcaactcga | tcacacaagt  | caaagaattg  | gtttcttcta  | 1745460 |
| ttggagaatg  | tatattaaaa | gtccttgggt | ctggcagcgg  | aagagggctt  | gttcgcactc  | 1745520 |
| caccaaccaa  | ttggactccg | tctgtcgaag | gttggctggc  | gcgcacctta  | cgcgtacaaa  | 1745580 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| aagaaataat  | ggtagaacct  | ctatataata | aggagaaaga  | ttttgccatg  | gagttttatg  | 1745640 |
| cagaaggagg  | aaatatccat  | tttgtaggct | attcattggt  | cgaaccgat   | tctcatggca  | 1745700 |
| attacaagac  | aaatatatta  | ttatcagatg | ccagaataga  | agaggtttta  | ttgcgcaaca  | 1745760 |
| tccccctccc  | tgtcttacag  | gatacctgtt | tgattctgga  | aaagaaactt  | tcggaaatat  | 1745820 |
| tgggcaaaga  | ttaccaggga  | tacttgggtg | tcgacatgat  | gatttgccag  | agcccggacg  | 1745880 |
| gttacagcct  | tcaccctgc   | gtagaaatta | atttacgcat  | gaacatgggg  | attgtttctc  | 1745940 |
| atattatfff  | tgagcggtac  | attcaaccgc | aagcccacgg  | caaatacttg  | atagagtatt  | 1746000 |
| atccatcaaa  | tggagcggct  | ttggaaatgc | accattatff  | acaaatcact  | catcccgcac  | 1746060 |
| atctgcacaa  | caagaaacta  | gcaaaaggat | acttttctct  | tacccccgtg  | cttcaagaca  | 1746120 |
| cacactatca  | cgcttttctc  | ctgctggact | gactagcggt  | ttttcttttt  | ccctccgaaa  | 1746180 |
| aaactacgta  | cccgcgcgag  | tatctttata | ccagtcatga  | gcccgtcgta  | tgcagcgatt  | 1746240 |
| cccatattca  | cctgctgcat  | caagctgtct | atcttggttt  | taccttgctg  | tggggcaaaa  | 1746300 |
| agttgctgtg  | tcaaactctg  | catgcgctcc | ttagaaagct  | tcaattcctc  | ccgttttagca | 1746360 |
| agcctgcgtt  | ctctgattcc  | ttctatacta | tatgaaactt  | gttggttctgt | gttcatcgcc  | 1746420 |
| atactcctca  | ttcttaagt   | ttaaagtga  | ttggaagaat  | tatccaagaa  | taatcttgcc  | 1746480 |
| aaaaaattca  | ccataggttg  | aaaaataagc | cgcttgcgca  | atctatagac  | aatcaaggct  | 1746540 |
| attaatatca  | gtccccacc   | tatgatcgca | tatccggcaa  | ctaaacttcc  | tgtagccgat  | 1746600 |
| gccaatacat  | acaccagcat  | aaaagaaaga | taaaaggcag  | ccatcgtagc  | taaaatgata  | 1746660 |
| agaataaata  | taagcgtcag  | cgtagaaagt | aaaatcgtaa  | gcttttcaac  | caaattccagc | 1746720 |
| tttgatact   | ctccttgaag  | cttcagataa | tttttgactt  | ccgaaaaaag  | ctcagtcaga  | 1746780 |
| gtgtctatac  | ttttgtcatt  | agcaaacata | ggcattgttt  | taaataaaga  | aaaggcagac  | 1746840 |
| tttgcttttt  | ctgtaaaagt  | ctgcctttcc | attgtcgata  | atcagtttat  | tctgcatctt  | 1746900 |
| ttacttccga  | tgcgatctgg  | tctaccaaat | catccatttc  | ctcacgggtt  | aaacggatac  | 1746960 |
| ccttttttacg | caaaagttct  | gcgattttat | gacgagtatc  | ttcacctttt  | tcagggtgcaa | 1747020 |
| acaatacacc  | tgctgctgct  | cccagtgcca | ttccacccaa  | gaatgcagct  | acaacgttta  | 1747080 |
| atgctttcat  | aagtatggct  | tttattgtta | ttacattttac | aaatatagga  | aaatctttga  | 1747140 |
| aatattatff  | cttttagacg  | taaaaacttt | ttcttatgtc  | aataaccgcc  | caatattaac  | 1747200 |
| agattttaat  | atcgtgacta  | tacttacctg | cttttatatt  | actacttttg  | caggtaaaat  | 1747260 |
| caaagtggat  | ttgaacataa  | acttaataaa | atttcagtca  | acatgaaaaa  | gatcgttgta  | 1747320 |
| ttaggaatgg  | gattatgcgt  | cgctttggcg | ttctcttctt  | gtaaatcaag  | tgaaagtgtc  | 1747380 |
| tacaaaaagg  | cgtacgagaa  | agctaaacag | caagaattgg  | ctgacgcttc  | ggctgctaata | 1747440 |
| actactacag  | aagctcctgc  | cgaagtcgta | accccagtag  | aaactgcccc  | tgtcgctcct  | 1747500 |
| gtttcttctg  | ctccggttcg  | tgaagaaaaa | gtagagctgg  | tttcaggtag  | tggcctgaaa  | 1747560 |
| gcttatagt   | tcgtatgcgg  | aagctttggg | gtgaaatcaa  | atgccgaagg  | tctgaaatca  | 1747620 |
| caaattggata | acgaaggcta  | taatgctaaa | gtagtgtata  | acgcacaaaa  | caacatgtac  | 1747680 |
| cgcgttatcg  | tagaatctta  | cgatacacac | gaagaagctg  | cacgcgcaag  | agatgctttc  | 1747740 |
| aaagccaaat  | accctaaccg  | caaagatttt | cagggtgcat  | ggttactgta  | taagctctaa  | 1747800 |
| taatattgcc  | gatacgtcag  | aaatattatt | ctataaaaaca | gattcaaagc  | gatagtgttt  | 1747860 |
| agactatcgc  | ttttttttgt  | acttttgccc | gataaaaaca  | ataacataga  | atttatgaaa  | 1747920 |
| attagactta  | cagctgcact  | tgctttcgta | gctttaccat  | ttattgcaca  | ggcacaagaa  | 1747980 |
| aaagtgggtc  | cactgaaata  | tggaaacatg | gaccaatggg  | taacacgcaa  | aatacatgaa  | 1748040 |
| tcggggagtca | ttggagggtga | taccaaatta | ttatatgaat  | taggtcctac  | caaagtcatt  | 1748100 |
| gaaggaaacg  | aagcctatgt  | caatcaaggt | ggttctccat  | ggggaaactc  | caatgtcatg  | 1748160 |
| gctaagggtca | tgggaattgt  | caaaaccaat | accagcgat   | atcccgaacg  | tcgtggcaac  | 1748220 |
| ggatattgtg  | ccgcctgga   | aacgcacatt | gaaagtgtaa  | aagtactggg  | actggtaaat  | 1748280 |
| attacggtac  | ttgcttcagg  | atctatgttt | ttaggcgaca  | tgaagaacc   | tatcaccggt  | 1748340 |
| acgaaagatg  | gagaaaaagc  | acttaattct | ggtgtgaagt  | ttacatccc   | cccaaagct   | 1748400 |
| atccgctacg  | actacaaagt  | acagatgtca | ggagaaccta  | atcgtatccg  | gcagacaggc  | 1748460 |

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| aaacgtacag  | aagacgctaa  | cggaaacatc  | atcgccaaac  | gcgtaggaac  | agccgtcata  | 1748580 |
| cgctacagca  | aaacagaagg  | atggagagac  | caagctactt  | atgaaataca  | atatggcgat  | 1748640 |
| attacacaca  | ctcctgacta  | taaagctgat  | ttaatgaaat  | taggtgtagg  | tggctattat  | 1748700 |
| acacgaaaca  | gcaaaggaga  | aagcgtactg  | atacaagaaa  | atggatgggc  | tgatgccgat  | 1748760 |
| gaaacgccta  | cacatcttat  | actacagttt  | acgtccagtt  | ttggaggagc  | cttcgtgggt  | 1748820 |
| tctccaggaa  | ataaaactatg | gattgataat  | gtttgtttgg  | tgtactgatt  | acccaacccg  | 1748880 |
| actgaagatt  | ttacaaaaaa  | gataaacgaa  | gcggactcca  | cttgagatat  | tgcaaaaaat  | 1748940 |
| gagctgggat  | ccgcttctct  | ttttacatca  | actgaaagag  | ctacgatgct  | gcaacgtgtc  | 1749000 |
| tattctctca  | aaaattcggg  | gaaataaatc  | cctttcactc  | acaacttcac  | acctaataaa  | 1749060 |
| taaagccgaa  | gcacttaaaa  | atactccata  | tttttgtaaa  | atcagaaaaat | gaaagtcattg | 1749120 |
| cagctttttac | ttttctgaat  | accgcataaa  | tagcgaaagg  | acacctttat  | gttttttaag  | 1749180 |
| aaacttctta  | tttttgcggg  | aaacttataa  | aaacaaattt  | atztatgaaa  | tattttaatag | 1749240 |
| tttctgacat  | tcacggttca  | ttgcccgcat  | tagaaaaagc  | gctggatttt  | tatcgaaaac  | 1749300 |
| agcattgcga  | tatgatgctg  | atattgggag  | atattcctgaa | ctacggggccc | cgaaatagta  | 1749360 |
| ttcctgaagg  | cattaatccc  | aaagaaatag  | ctgccaggct  | aaacgatatg  | gccgacaaaa  | 1749420 |
| ttattgccat  | tcgtgggaac  | tgcgattcgg  | aagtagacca  | aatgttgcta  | gacttttccta | 1749480 |
| ttctagccga  | ttatgcattg  | attgtagaca  | atggaaaacg  | cttgttcctg  | acgcatggtc  | 1749540 |
| atgtatacaa  | cgaagaaaaa  | ctacccaaag  | ggaaacatga  | ctttttattc  | tatggacata  | 1749600 |
| cacatctgtg  | gaaactcgaa  | aaaaaggctg  | atatgaccat  | atgcaatact  | ggctctataa  | 1749660 |
| ctttccctaa  | aggaggaaac  | ccgccaacat  | ttgcagtcta  | tgagaataat  | aaagtatcca  | 1749720 |
| tctatgaatt  | aatggcacc   | ctccttaagg  | agattttaag  | tatcccagta  | ctcaaaaatac | 1749780 |
| acaaaagact  | gtgttcatat  | tcctactatt  | cttatgtaaa  | tattgctggag | tgaacaacag  | 1749840 |
| tctttttaat  | aaaatcaacc  | aactaaaatt  | ttaatataatc | actacactac  | tgtccaataa  | 1749900 |
| aagttgggta  | atgggccttt  | gaaattgttg  | aaatacagtc  | ttttaagcag  | tatttttagaa | 1749960 |
| tgaaacggat  | ttgaattcgt  | agcttagcgg  | tcaaattgaa  | tgccgcttat  | gaaccaagat  | 1750020 |
| aaatacgtat  | tcgctcaact  | taccgctttt  | atgaacagaa  | cacaattcaa  | taactttgtt  | 1750080 |
| cgcaagtata  | atggtaatcg  | ctacgtgaaa  | caattcacct  | gctggaatca  | gttacttgct  | 1750140 |
| atgatgttcg  | gacaactgag  | caatcgtgag  | agtcttcgag  | acttaattgt  | agcttttgaa  | 1750200 |
| gcgcatcaag  | ccaagcaata  | tcattcttgg  | ctgggacgca  | atccaatagc  | caaagccacc  | 1750260 |
| ctcgcttatg  | ctaatacgaa  | tcgtgactac  | agaatctttg  | aagacttcgc  | attctatata  | 1750320 |
| atgaagggaag | cttgtgaaaa  | gcgagcgacc  | aacatcttgg  | atattccagg  | gaataagtat  | 1750380 |
| gcttttgatt  | caacaactat  | tccgttatgt  | ctagccacat  | ttccatgggc  | gaagtccga   | 1750440 |
| agaaagaaaag | gaggtgtcaa  | agctcatgtc  | ttatatgaca  | ttgaagcaca  | agttcctgcc  | 1750500 |
| ttctatactg  | taaccacagc  | atcgaagcac  | gactctacag  | cgatgtgttc  | aatccattat  | 1750560 |
| gaaccaaagt  | cttattatat  | attcgacagg  | gcttatgact  | cttttaagga  | actatatagg  | 1750620 |
| atacacctga  | caggttcctt  | tttcgttgtc  | agagctaaga  | cgaacttgaa  | atacacaatg  | 1750680 |
| gttaaagtga  | agcgtaggat  | gcctaagtat  | gtacttacag  | atgctgaagt  | gaaactgacc  | 1750740 |
| ggatacctct  | cagagaagaa  | atatcccgag  | tcattccgac  | tcattcggtta | ctatgatgaa  | 1750800 |
| gaggttgacc  | gtgagttcac  | tttcctgaca  | aacgcaacac  | atatttctgc  | attggacgtt  | 1750860 |
| gctaactctct | acaagaaaag  | atggttggtc  | gagctattct  | tcaaattggct | caagcagcac  | 1750920 |
| cttaaaaataa | aaagattctg  | gggcacaacg  | gaaaatgctg  | tccgcattca  | aatcagtgta  | 1750980 |
| gcaatcatca  | cttactgtct  | agtggctatt  | gtccaacacg  | atatgcaatt  | gaagcgctca  | 1751040 |
| acttatgaag  | ttttgcagat  | tctaagcatc  | tctctaacgg  | acaaaactaa  | cttgcggtgaa | 1751100 |
| ctgttcgata  | agactgattt  | caacgatgtc  | aaagaactcg  | attatcccct  | ttttgaagga  | 1751160 |
| ctatttgatt  | aattttttta  | ctagtccatt  | tttattggac  | actaatgata  | tcactacatt  | 1751220 |
| aaatcttaaa  | tttcgtcaac  | cgacggcttg  | cttccgcccc  | gcggaatgga  | tattcccaga  | 1751280 |
| aaaccgttca  | ccgctttcga  | gttgccctcca | aaatacatat  | agtctgtacc  | aacaaatata  | 1751340 |

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|-------------|-------------|-------------|--------------|-------------|-------------|---------|
| ggacccagtt  | tcagagctaa  | accaaacgat  | ttgcctccag   | cctgaacagg  | agaataactt  | 1751400 |
| acggctgcat  | taaaccagct  | cttaggacgt  | actgtggccg   | aaagtgtcaa  | ttcattcaat  | 1751460 |
| accttaggct  | gaacaaaata  | tgcactatac  | atggccccaa   | cgcttatttt  | attattttaa  | 1751520 |
| aatgcgat    | cacctgctac  | caaaaccgtg  | gacgacaatt   | ttgtttttata | cgaagaagct  | 1751580 |
| ctttctttat  | cttcaaccaa  | gttaaagcgt  | tccagattta   | agaaatcacc  | actcaagtat  | 1751640 |
| tcctgatagt  | tattctgggt  | gatgtcaact  | tgcatatcat   | tgtccaccga  | agcaaccgtc  | 1751700 |
| gtagcactgc  | tcttccagtt  | tataaagcct  | aaatcgagga   | ctgctgccga  | aagagtcagg  | 1751760 |
| ttgtcaagca  | acttataact  | ggctccaaaa  | tcaaccccaa   | atccggtacc  | tgatatacca  | 1751820 |
| aagcctcctc  | cctcaaaatc  | gaatccatca  | atctgacgaa   | tggcattgcc  | ataactgtcg  | 1751880 |
| taagtatcgg  | caaaactcaa  | tccccacct   | ttgatagagg   | ttgtgatatg  | agcatgagcg  | 1751940 |
| ctagtatatc  | ctccgtaagt  | attattccaa  | ttttcagggg   | tctccggatt  | ttgaggaata  | 1752000 |
| ttcatatcaa  | ccgcaaattc  | atcaacttgc  | atttcagcat   | gagcaatacc  | caataaaacc  | 1752060 |
| ttcacgcggc  | ctcctacagt  | cagcctgtcg  | gttaccggac   | gagaatacc   | caaaccctact | 1752120 |
| tcagcataag  | cattcacatc  | gaagttcatg  | ttcgatatatac | gcccctgaag  | cgttctgttt  | 1752180 |
| tccagactaa  | aacgattggc  | gtcacgcaga  | tattcgaaca   | tatttttagg  | aacagaagcc  | 1752240 |
| cctacttctg  | cgcgtaatcc  | tacattcacg  | ctccagaatc   | ctttgccttt  | ataccaccca  | 1752300 |
| aaggcaagaa  | ggtccgtgtt  | caaattcaca  | ttcagacggg   | tatcttcctt  | taaccgatca  | 1752360 |
| tacaaagcat  | cattcgaaaa  | taaatcagaa  | cccgaatcga   | gaacaccaat  | aatatctttc  | 1752420 |
| gtccccaata  | cattagatga  | agcccccag   | ttgaaagagc   | ctaataatagg | aatattgaaa  | 1752480 |
| tatccaatgg  | taggttgcaa  | accgggattc  | agttgcaaac   | gagaacttgt  | tccttccata  | 1752540 |
| aaataggatg  | tacgaaggta  | ttgtgcatgc  | gcaacttcta   | caaaaagtaa  | tccccctatc  | 1752600 |
| aataataacg  | ttttcttaaa  | taaattagtt  | cccataatag   | tctttattgt  | tttgtttata  | 1752660 |
| caaaaaataag | caatccaata  | ttaacaaaaa  | taaacaaaaa   | tcaagtaact  | aaactaaacg  | 1752720 |
| ggccaaaatcg | gggactaagt  | aacctaaata  | tgttactaac   | atggaagaaa  | cattttctatt | 1752780 |
| ccaatatgga  | aattcaagga  | tatacgacat  | gtcacgcgtc   | atttcataaa  | agaaaatcct  | 1752840 |
| cttcgccatt  | tcttgacaaa  | agtgatcgaa  | tctgccatat   | ttttcgaaaa  | agacggtgat  | 1752900 |
| gtcagaaaaat | attttgtaca  | aaaattctga  | aaatttgtac   | aaattttcag  | aaaataccga  | 1752960 |
| gaggtcttta  | tgccaatcta  | ggcaaattgat | attgctatga   | ccagcatcaa  | accatttcac  | 1753020 |
| caacatttac  | cccagctaca  | tctcccattc  | tattccggac   | agacaaaagac | accctttgag  | 1753080 |
| tgatacctgt  | agttcgcagg  | caaattccaa  | caaacggcat   | taaagttgat  | agaaacattc  | 1753140 |
| tatcagtttt  | ttcttatatt  | tcttcgagac  | ttgcagttct   | tctcccaatg  | aattaaagg   | 1753200 |
| aggatacatg  | atacaacgat  | tatcctgaac  | cataacaaga   | tagtgcatat  | taatgatata  | 1753260 |
| cgactgatgt  | atctgagcaa  | aagccggatc  | gtaagaacaa   | agctgctcgg  | ccgtagtatt  | 1753320 |
| tcgcttcaac  | ggaaggaagg  | taccgttgga  | aagagcaacc   | tcccatattt  | tacgggcaga  | 1753380 |
| ctgataacgg  | aaataaccaa  | tttcagaagt  | atgaagaaag   | cgtaaattctc | ccgttggcgt  | 1753440 |
| tgttacgaca  | aaaggcttcc  | cggcatctgc  | cggtagccgc   | ggaatataat  | cctgaatgac  | 1753500 |
| gtattcttgc  | ttgcacaaac  | gtgcaagtac  | tgtctggagt   | tcatccgaat  | cgacgggctt  | 1753560 |
| taaaagaaaa  | tcgaaagctt  | ttgcccgaag  | tgcatacaat   | acatacttgt  | catgagctgt  | 1753620 |
| ataaaagatt  | acactcatat  | tccatgaaac  | ataccctttt   | aactttgcca  | ccatatccat  | 1753680 |
| acctctcatg  | tcgggcaact  | ctacatccag  | gaatacaaga   | tccggacgaa  | tcttctctat  | 1753740 |
| caacttcatt  | cccagcactc  | cgttccgtgc  | ctttccctct   | atcgaaatat  | atgtataacg  | 1753800 |
| ttgtaattca  | aaacataaat  | tatctattgc  | gctttcttgc   | tcatcaataa  | taaccgttct  | 1753860 |
| gtaaatcttc  | tccataaatt  | tatatcctta  | attcttctta   | acaggtatga  | ataatttacc  | 1753920 |
| ggtatggtaa  | atttttatttc | acaacctgtt  | tcctctctat   | cttctatctt  | gacattatcg  | 1753980 |
| atgggtcatga | ctatcggatc  | aggattgtac  | gaattgagta   | actgtatagt  | ctgagccagt  | 1754040 |
| atcttcaggc  | ctgtacctgt  | accctacca   | ttcgtcatca   | tccggaacc   | tcctccatta  | 1754100 |
| tcccgaaatca | caatctcgat  | atgttgtcta  | caatctttta   | tctctatcca  | aagtaggcgt  | 1754160 |
| ctgccctcct  | ttcctatcaa  | tgcattgctt  | accgcattct   | ctaccggtat  | ctgcaacaag  | 1754220 |

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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
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| aaatccggtt  | gcagtacacg | ctcctcaatg  | gcaatgtaag | tctttacaaa  | atccaactca  | 1754340 |
| tcggccaaaag | tcactgccgt | actttctgcc  | agctccaaat | tacgccgtat  | cagttttaatc | 1754400 |
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| gctccggtag  | caattatgag | gaataatacc  | gtcaggccac | cgatatacag  | ccactgatgc  | 1754640 |
| aagataagaa  | ctttattctc | tgtttgctgg  | ataagaat   | ctttagccat  | cagagtactg  | 1754700 |
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| gaatcatcaa  | tccggctatt | ctcgcgcaaa  | taataatatg | cctgccgaaa  | atccttgctt  | 1754820 |
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| gccagttaa   | taagctgtgt | gtcaatataa  | tataaggcac | tattattgtc  | aactttctta  | 1755000 |
| aaaaaatcat  | aacatctgga | aagatagtaa  | gaagctgaat | ctgtttgatt  | catcagcagg  | 1755060 |
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| gaagcacatg  | ccattgaaca | gcgaaaatac  | ttcaatgctg | tcggatagtc  | ttgacggaaa  | 1755180 |
| taatacgaat  | taccgcggtt | attaagatat  | atattttttt | caaaaggctt  | catgtcgtcg  | 1755240 |
| tagtacctgc  | cagcacgac  | aaaataggca  | tcacactggg | caaagtcacg  | caactccatg  | 1755300 |
| tacacctgcc  | caagccata  | atatgcaggg  | aaacattgct | gccagacaa   | tcccaatgaa  | 1755360 |
| tcggcaaatg  | ccagcgaatg | atgataccat  | aaagaccctt | tgtcataata  | tccttcacga  | 1755420 |
| atataaacat  | ctgccagatt | caacataaca  | ttgaatctct | ttatcttttc  | accaattttt  | 1755480 |
| gtatacaaat  | tgtatgcttg | aaggaaactt  | acacatgcag | aatcgaactt  | cgtttgcctt  | 1755540 |
| gccagttggt  | ttccttccat | attgaatacc  | gaagcacgta | aggataattc  | ttcctcactt  | 1755600 |
| tcgttgcaag  | atgcacaaaa | ccgttcagcc  | atcttcaaca | tactatcggc  | tttttgctga  | 1755660 |
| caagatgtca  | acatatatgc | tttcgacttg  | aaaacgatac | cacgataata  | taaaatgctg  | 1755720 |
| tctttcaata  | aagggagtag | gctatccatc  | tccgacaaag | ctttcgaagg  | atcactcgcc  | 1755780 |
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| ttacacgtca  | tattactcct | taaagttaa   | acaacttgac | aaatgtatgt  | aaaaatagcc  | 1755960 |
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| tatcgtaatt  | ttaatgaatg | attacgggtca | tttgtaagaa | tcgcaagaat  | tataaaattt  | 1756080 |
| atcaataaaa  | atcacaagta | tatgaaagaa  | ctatcgaatg | ataaaatcac  | tattcaaatt  | 1756140 |
| gccgaccatg  | gtgcggaact | cataagcatc  | tgcgcaaacg | aaaccgaata  | tttatggcag  | 1756200 |
| gcagaccctc  | agttctgggg | acgacattct  | cctgttttgt | tccctatcgt  | aggaagggtg  | 1756260 |
| tggaacaaca  | cttatcgcca | cgaaggaaaa  | acctactcac | tgggacagca  | cggttttgcc  | 1756320 |
| cgcgacatgg  | atttccagct | gacgtatgag  | gaagaaaatg | cagctatcta  | tacgctggaa  | 1756380 |
| agcaatgaag  | agacactgaa | gctttacccc  | ttcccctttg | tcctcgaaat  | tggctatcgt  | 1756440 |
| ctgaaaggca  | accgcattga | ggttatgtgg  | agcgtgcaga | atacaggcag  | caaagtcatg  | 1756500 |
| catttccaga  | taggtgtcga | tcctgcattt  | tattatcgcg | acctgacccc  | tgaaccaggt  | 1756560 |
| gaaagaggat  | tccttgattt | cgggaaaaag  | actaaaacac | tggaatatat  | ttcaccggca  | 1756620 |
| gaaaagggat  | gcgtttcgtc | tgaacgtcac  | accctgactt | tacacgacgg  | attgatggaa  | 1756680 |
| ttaagaagcg  | acacgtttgc | atgcgacacg  | tacatgttcg | acaatagtca  | gctgaaaaag  | 1756740 |
| attacactgc  | tcgacaagaa | acaacagccc  | tatatcagtc | tgggaattcaa | cagtccgctg  | 1756800 |
| gtggctatat  | ggtcgccttg | cgtcgcacat  | cccaatgttc | ctttcgtttg  | tatcgaaccg  | 1756860 |
| tggtacggac  | gttgcgacag | tgtaggttac  | gaaggagaat | tcaaagaccg  | ggaatggatg  | 1756920 |
| cagcaccttg  | ctccgggcaa | gagctttgaa  | gcgggttact | ctatcattct  | ggaggatgta  | 1756980 |
| aaataagatg  | ctgtactgaa | cgtcatgacc  | atatttctat | atgaccagac  | attcgaggga  | 1757040 |
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| aaggcggaac  | gagtatggaa  | attgcttgtc  | cggaaacttt | caaaaggagc  | cttgaccaca  | 1757220 |
| ctgacttaca  | gctggctgtc  | tgaagctccg  | gacatagcca | tgctgttggt  | tcgttacatc  | 1757280 |
| cggaaaataa  | cggatgctcc  | gcatccata   | gaaacaaatt | ttgcagaccc  | ggatatactt  | 1757340 |
| gctgtcacga  | aactggggaa  | aaaagtagcc  | gatgagcggt | atcgatcct   | tcagtttatg  | 1757400 |
| cggttccaga  | agacaagcga  | aggcatttac  | tacggagcca | tggaaccttt  | gtacgatgta  | 1757460 |
| tttccactta  | caatcaatca  | ttttcgcgac  | cggtttgccg | atcaaaagt   | gcttatctac  | 1757520 |
| gatgttaaaa  | ggaaatatgg  | ttattactat  | gacggacaaa | atgttgacga  | gataaccttt  | 1757580 |
| tccaatcctt  | tacagactca  | tttattgaca  | ggcaaactag | acgacagcct  | gctggataaa  | 1757640 |
| gacgaaaaac  | tcttcagac   | actctggaag  | agctatttta | aatctatttg  | tatcaaagaa  | 1757700 |
| agactaaatc  | ccgtaaagca  | taagaaggat  | atgcctgtac | ggtactggaa  | gtatctgacc  | 1757760 |
| gaaaaaaact  | aatcagacgt  | tcagaaacaa  | atcttcagga | tagcctatat  | cgaccaggaa  | 1757820 |
| caaagcattt  | cccggcacgg  | atgttcgggc  | actgcaacgg | tttttgctt   | ctatcacttt  | 1757880 |
| ccgaaagcct  | tctactgtaa  | gctttcctcg  | tcctacctct | accagtgtac  | ctactatcgc  | 1757940 |
| acggaccata  | ttccgcagaa  | aacggtcggc  | ctgaatggta | aagaccatt   | cgtatggtcc  | 1758000 |
| agcctggtcc  | cagtgagcct  | gcatgatgcg  | gcagttgttc | gtcttgacat  | ctgtatgcaa  | 1758060 |
| tttgctgaaa  | ctcgtaaaat  | cggatatagtc | gaataatacc | tgtgccgctt  | cattcatttt  | 1758120 |
| ctcaaaatcc  | agcggttgaa  | acactctcca  | tgcataatgt | cggataaaaag | ggtccttaca  | 1758180 |
| ggtagtaata  | tagtatttat  | aagtacggta  | agttgcatcg | aagcgagcat  | gtgcatcctg  | 1758240 |
| tacgactcgc  | cgaacctgat  | aaacagcaat  | atccggtgga | agcagacgat  | tcagtttatc  | 1758300 |
| ggtcacgaca  | tcgcaatcca  | gcatccattc  | aatatcgaaa | tgagcaacca  | tcaggcgggc  | 1758360 |
| gtgtacgcct  | gcatcggttc  | tccccgctcc  | tgtcacctcg | atggcatcgt  | cacgcaggaa  | 1758420 |
| agtaatcaat  | gcacgagtca  | acgtttcctg  | cacactggtc | ccgttaggct  | gaacctgcc   | 1758480 |
| gccatgataa  | tttggtccgt  | cgtaggctaa  | ataaatgaaa | tatctgaaca  | tactttttat  | 1758540 |
| cgtgtcggtta | tgtggaagaa  | tccttgtttt  | aattcatact | ttacatagca  | acgttccgcc  | 1758600 |
| tcacgcaagt  | cacgcaatac  | ttccgatagc  | accagcttca | atgtatctgc  | acttacatcc  | 1758660 |
| tgcacgggac  | gtccgtcggg  | atcttctact  | ttcgtaaaac | gcttcagct   | cacatcaaaa  | 1758720 |
| gtcgttccat  | aaaaatggca  | ggaattcagc  | gaagcatttc | cattcgtccg  | gcggagtttt  | 1758780 |
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| ttcttttcca  | gcgaatccag  | gaaatttacc  | ccaatggtat | ccagcaaagc  | agctgcacga  | 1758900 |
| ggaacgagaa  | aagggaatgga | atgagtcaga  | gaatctacgt | cataatgttc  | acccgaaacg  | 1758960 |
| atttccttta  | aatcgccatc  | aagatttatc  | gctgcctcac | gcgacgaaat  | aggacgtatg  | 1759020 |
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| caactgctca  | gtaaagcagc  | agctccgata  | gtcatcatac | atgctatttc  | gattagtctt  | 1759200 |
| ttcataatttc | ctgtcaaadc  | ttctccctac  | tataatttat | agagctgcaa  | agataaaaaa  | 1759260 |
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| aaattacat   | ccggaagca   | aaaattaatt  | tatcacatat | cgtgtacaga  | taaaaaggaa  | 1759380 |
| tgattaaatt  | tgagaagaa   | taagactaac  | gagcatatca | aaacaaactg  | aatgatcgaa  | 1759440 |
| aaacatatg   | tactagagga  | tattgatccg  | gttattttct | acggcgtgaa  | caacaccaac  | 1759500 |
| atgcaaatga  | tcaaggcctt  | gttcctaaa   | cttcgcatcg | tggcacgagg  | agatgtcatc  | 1759560 |
| aaagtaatgg  | gggacgaaga  | agaaatgtgt  | gctttcgaag | aagcaatcct  | cgctttggaa  | 1759620 |
| cagcactgcy  | cacgctataa  | ctcactgaac  | gaagaagcca | ttctggatat  | tataaaagggt | 1759680 |
| aacaaaccgc  | ctatcgaaaa  | gacaggcgac  | gtaatagtat | acagcgttac  | cggaaaaccc  | 1759740 |
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| gtttttgcca  | taggacctgc  | cggatccggc  | aagacatata | cggccattgc  | gctggctgtc  | 1759860 |
| cgtgcattaa  | aaaacaaaaga | aataaagaaa  | atcatattaa | gccgtccggc  | cgtagaggca  | 1759920 |
| ggagaaaaat  | taggtttcct  | gccccgcgac  | atgaaagaca | agattgacct  | ttatctgcaa  | 1759980 |

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| ctgaatatca  | tacaaattgc  | cccactggcc | ttcatgcgcg  | gacgtacgct  | aaacgatgcy | 1760100 |
| attgtcattc  | tagacgaagc  | tcagaacacc | actaccagc   | agattaaaat  | gtttctgaca | 1760160 |
| cgtatgggta  | tgaacaccaa  | gatgattgtt | acgggagata  | tgacacaaat  | agacctacc  | 1760220 |
| tctctgcaga  | catcgggact  | ggtgcaagca | ctccgcattc  | taaaaggagt  | aaaagggatc | 1760280 |
| agtttcgtag  | agctgaacaa  | gaaagatatt | gtccgtcata  | aactggtaac  | ccgcattgtt | 1760340 |
| gaggcttacg  | aaaaattcga  | agagaactcc | aaggccagca  | aaagtgccca  | gaaacttgct | 1760400 |
| ctaaagaaaa  | cagaagacaa  | aacaacaatc | tgctaataata | actgaaacac  | atcattcatt | 1760460 |
| actaaacaca  | taaagaaaat  | gagtaaagct | ttaactaaaa  | cagactatca  | ctttccggga | 1760520 |
| cagaaaaagt  | tatatcacgg  | aaaagtgcgc | gatgtttata  | acatcaacga  | tgaaaaatta | 1760580 |
| gtaatgggtg  | ctaccgaccg  | tatttctgca | ttcgaatgtg  | tattaccgga  | aggtatcccc | 1760640 |
| tacaaaggac  | aaatgctgaa  | ccagattgca | gcaaaattcc  | tcgacgctac  | tacagatata | 1760700 |
| tgccctaact  | ggaaactggc  | tactcccgat | ccgatgggta  | ccgtaggagt  | tatgtgtaaa | 1760760 |
| ggttttcctg  | tagaaatgat  | cgtacgcggt | tacttgtgcy  | gaagtgcata  | gcgtgcatac | 1760820 |
| aacagcgggt  | tccgcgaaat  | ttgcgggtga | cgtctgccc   | aaggcatgcy  | tgaaaacgag | 1760880 |
| aaattccctc  | atcctatcat  | taccccgact | accaaagccg  | aaatgggaat  | gcacgatgaa | 1760940 |
| gacatctcta  | aagaagaaat  | tctggcaaga | ggtctggcta  | ctcccgaaga  | atatgaaaca | 1761000 |
| ctggaacgct  | acactctggc  | attgttcgaa | cgcggaacac  | agatagcagc  | agaacgtggt | 1761060 |
| ctgattcttg  | tcgacacaaa  | atatgaattc | ggtaagtaca  | atggtgaaat  | ttacctgatg | 1761120 |
| gatgaaatcc  | atactcccga  | ctcaagccgc | tatttctatc  | tagacggata  | ccaggatcgt | 1761180 |
| ttcgaaaacg  | gtgaacctca  | aaagcagctg | tctaaggaat  | ttgtccgcga  | atggttgatg | 1761240 |
| gcgaacgggt  | tccagggtaa  | agaaggacag | actgttcctg  | aaatgactcc  | tgcaatcggt | 1761300 |
| gcttctatca  | gcgaccgtta  | tatcgaactg | tacgagcaca  | tcacagggtga | aaccttcgct | 1761360 |
| aaagcagaca  | cagatcacct  | ggcagaacgt | atcgaaaaga  | acgttactga  | atatttagga | 1761420 |
| taaaactgaa  | tgaggaaatga | agaattgaga | gtgaggacgt  | ttttactcct  | caccattcct | 1761480 |
| cattcttcgt  | tttttcatac  | ttaatttttc | actctttatc  | ttatgcctca  | ttaccacaaa | 1761540 |
| gaagaaataa  | agccttataa  | cgaaaacgaa | agcaaagccg  | tacaagtaga  | aaagatgttc | 1761600 |
| gacaatatcg  | ctcctgccta  | cgataacctg | aaccatgtgc  | tttcatgggg  | aatagacaag | 1761660 |
| agctggaggc  | gcaaggccat  | ccgctgtctg | aaaccgtttc  | atccacagca  | tatcatggat | 1761720 |
| gtggcaactg  | gtacaggcga  | cttcgctcta | caggctttcg  | gcatgctccg  | tccgcaggaa | 1761780 |
| ctgattggaa  | ctgacatttc  | ggagggaatg | atgaacatag  | gacgtgaaaa  | ggtaaagcag | 1761840 |
| gccggattct  | ccgaccacat  | tacctttgct | aaagaagact  | gtaccgccct  | ttccttcccc | 1761900 |
| gacaaccgct  | tcgatgccat  | cacagtagca | ttcggagtgc  | gtaatttcga  | gaatctggac | 1761960 |
| aaaggactac  | aggaaatgca  | tcgcgtatta | gtaccaggag  | gacatcttgt  | cattttggaa | 1762020 |
| ttatccgaac  | cggagtgggt  | ccccatgaag | caactatatg  | ctgtttactc  | caaagtgggt | 1762080 |
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| agccaagtgt  | ccttccgacg  | gctgacactg | ggtatctgca  | cactctactt  | tgctacaaaa | 1762260 |
| taatctcaac  | ttcaaacatt  | gcttttatga | aaaaattcgg  | tttgataggc  | taccgctcgc | 1762320 |
| gacactcttt  | ctccaagaat  | ttcttcaacg | aaaagttcca  | gtcggagaat  | atcgatgcgc | 1762380 |
| agtatgtcaa  | tttcgaaata  | cctaccatag | aggacttccc  | tcaaatacat  | gcttccaatc | 1762440 |
| ctaacctgga  | aggactgaat  | gttacaattc | cttacaaga   | aaaagtcatt  | ccttacctga | 1762500 |
| atgaagtagc  | acccgatgct  | gctgctatcg | gagcggtaaa  | tggttatcaa  | ttcgaacgta | 1762560 |
| acaaaaggcaa | gcttaaatta  | ataggacata | attccgatgt  | catcggattt  | acacgttcca | 1762620 |
| tcgagtcctt  | attggaatca  | tatcatacca | aggctcttat  | tttggaacg   | ggaggagctt | 1762680 |
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| ccagtcacaa  | tgaccatacc  | attacttacg | atgaactgac  | tcctgccctg  | atggaggagt | 1762800 |
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|             |            |             |             |             |            |         |
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| acattcctta  | tgaatgtctt | acgccaagac  | atgtgctata  | cgacttgctg  | tacaatccta | 1762920 |
| acacaacctt  | gttcatgaga | aaaggaagt   | aacatggagc  | cgtcgtaaaa  | aacggactgg | 1762980 |
| aaatgctttt  | gttgcaagcc | ttcggagcat  | gggacatttg  | gaaccagtaa  | actaatctgc | 1763040 |
| gaaaagaaaa  | catacgggcc | aatctttttac | atacatgaaa  | aagcgaattg  | tcattgttgt | 1763100 |
| cggaatcata  | gtgctgcttc | tggcaggcat  | ccttgccgga  | ggaagctggt  | acatggtgga | 1763160 |
| ttattccttg  | cgccccgaaa | atagaggaaa  | ggacatgcag  | ggttcactga  | cctttatgcg | 1763220 |
| ggaaaagtat  | cctcacatcg | ttccgtggct  | ggacagcctc  | gaaagccatc  | aggcactgcg | 1763280 |
| cgacactttt  | atcacttctg | ccgacggcat  | acgcatgcac  | gctttttatg  | tgaaagccat | 1763340 |
| gcaaccgacc  | tcgcacacgg | ccgtcatcgt  | tcattggatat | acagacaatg  | caatccgcat | 1763400 |
| gttccacatc  | ggatatcttt | acaaccactc  | gctggattac  | aacatcctgc  | tgcccgattt | 1763460 |
| acggtatacc  | ggactgacag | aaggtgatgc  | aatccagatg  | ggatggttag  | accgcaagga | 1763520 |
| cgtaatgcaa  | tggatagacg | ttgccccctc  | acttttcggc  | gattcctttg  | aggcagttgt | 1763580 |
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| agaactcaaa  | gagcagttcg | gacttctctg  | ctttccgctg  | ctttatactt  | ccagctgggt | 1763760 |
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| gtgccataaa  | ccgatgttat | tcattccatg  | cgatcaggac  | gacttcgtgc  | caacctacat | 1763880 |
| ggtctatcag  | ctatacgatg | ccaaaccgac  | tcccaaagaa  | ctctggatta  | cttcgggagt | 1763940 |
| agaccatgcc  | aactcctact | ttaagtatcc  | ggaagagtat  | actgctcgca  | taaaaagctt | 1764000 |
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| tatttctgcc  | tggaaacgat | ctgcgggatt  | tagtggatat  | cccgggtgtac | aaaaagaaaa | 1764120 |
| aagacaaaaca | gcctatctgt | ccaacacgct  | attgttgccc  | ttatgttttg  | tacaaaaaat | 1764180 |
| aaaatctttt  | gtacaaactt | tcagaaaacc  | tctcgacgtt  | tttccgaaac  | cgtcgctgcg | 1764240 |
| ttttggaaaag | atatgctctt | tgtccttttag | aaattcttta  | tcaaattgatt | aaagttcctc | 1764300 |
| catcttctct  | gtcagtattc | cccagcttga  | acgaagactt  | gcattaccta  | cagactgatt | 1764360 |
| atacgtttgc  | agtgttcctt | tcggaaccaa  | cactcgttct  | acttgctgag  | gaagggaata | 1764420 |
| agtctgcaag  | gctggaggcg | ttgccgtctt  | taccgtcaac  | agtttcacca  | tactgttacc | 1764480 |
| cagcgcattg  | aaagccatct | tcttgagggt  | ctttcccaac  | gttacagatt  | ccaaattcac | 1764540 |
| tacccccgag  | aaaagagtct | gtccgagcga  | ttctagactt  | tccgggaact  | ccactaccga | 1764600 |
| caatttcgga  | caatactgaa | agacaccacc  | gttcattaca  | ccttctgtct  | cttgaccggc | 1764660 |
| actaccatga  | ctacgtactt | cacgcaagtc  | ctgacacaaa  | tagaatgcac  | gcccctctat | 1764720 |
| caatttgatc  | ccattgggca | aggttatgct  | ttctactccc  | gactctcgga  | aagcttctcc | 1764780 |
| tccgattggt  | ttcaatcctt | cgggaaaagt  | catcgaatgc  | aggcgatcgg  | tgtgcaggaa | 1764840 |
| tgctgactg   | gctatttcct | gaagcacaac  | cggcaacttg  | atgttcttcg  | cacctacttc | 1764900 |
| cgagaatgca  | cgcttaggaa | taagctgtac  | ctgcgtaacc  | gacaagtcta  | ttcggctcag | 1764960 |
| gttacgacaa  | ccatagaaac | aatattcgcc  | taacgtcctc  | aaacttttcg  | gaaaaacaat | 1765020 |
| ctctttttacc | ggatttcctc | taaatgcata  | ggcttgattt  | tcctctacac  | cttccgagaa | 1765080 |
| aacgattcta  | tcaaatacac | aagtggaaaa  | agctgtcgga  | ctgataacct  | ttgcttccgc | 1765140 |
| aggtagccga  | tagacttccc | cttgtttctc  | aaggacttcc  | gtcaatacgc  | cgtcagttac | 1765200 |
| cacgtaatcg  | ataatcttca | ccataaaaga  | agcctgcttc  | tcctccagag  | aaattgtcac | 1765260 |
| cggcagttgc  | tctacagcct | tttccgtaga  | aaatccggaa  | agattttctg  | ccgtaacctc | 1765320 |
| cagcttcttc  | cgttctccgt | tactatata   | tccttccaca  | accaagccat  | ccagactgac | 1765380 |
| aggatccgtg  | gagcgaagca | gataagttgt  | ccgaacagga  | ggagttacga  | cctctatacg | 1765440 |
| cgtaaggacc  | gcggcctcgt | ccggcgatga  | ggatggttgt  | tcgtcttttt  | tccccgaatc | 1765500 |
| attgtcagac  | gaagataccg | ttgtctgttt  | gtgtttctcc  | actaccggat  | ctttcttgca | 1765560 |
| cgccggaatt  | attaacattg | ctcccgaat   | catcaagcaa  | taactaaatt  | tcaaattcat | 1765620 |
| acactcttta  | ctaataaaaa | gaaaataagt  | taataatcaa  | aagcctgcct  | aaactattat | 1765680 |
| cccactctcc  | tcaatgaata | tttatccgaa  | aaccttttat  | ctgtcctctt  | ccaaacagct | 1765740 |

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| tttcaataag  | gtgttcgttt  | ttacgggtta  | ttttatgtat  | gtttgtaact  | gaaaccaa    | 1765920 |
| acaacattac  | atttatgaaa  | aaaacatgga  | ttatcattat  | tgccgtaata  | gcagtcattg  | 1765980 |
| ccatttacgg  | agtttcttcg  | tataactcaa  | tggtatcaca  | ggaagaagct  | gtaggaacag  | 1766040 |
| cctggagcaa  | tgtggaaaat  | caataccagc  | gccgtgccga  | cctgataccg  | aacctgggtca | 1766100 |
| ataccgtcaa  | aggatatgca  | gcacacgaaa  | aggaaacatt  | cgatgccgta  | gtatcagctc  | 1766160 |
| gtgcaaaagc  | taccagaca   | acagccagca  | ttgacgacct  | gactcctgaa  | aagatggaag  | 1766220 |
| cataccagcg  | tgcaaacggc  | gaagtgggca  | gtgcattgag  | ccgtctgctt  | gccgtaacag  | 1766280 |
| aaaactatcc  | agaactgaaa  | gccaacgaaa  | atttccagac  | acttcaggca  | cagctggaag  | 1766340 |
| gtacagagaa  | tcgtatcagc  | gtggaacgcc  | gtaacttcaa  | cgatgtggcg  | cgcgcataca  | 1766400 |
| atacatccat  | ccgccgttc   | ccgaagaaca  | tttttgccgg  | catgttcgga  | ttcgaaaagc  | 1766460 |
| gtccttactt  | cgaagctcag  | gaagggtgtg  | aaaaagctcc  | ggaagttaaa  | ttctgacaag  | 1766520 |
| aatgagaaga  | atcatatcgc  | tcgccctgct  | ggtttgtttc  | tttaccacgg  | tatgggtcga  | 1766580 |
| gtcgcagcc   | tataaggtag  | aagaaattcc  | catggttcac  | ctacagaacc  | gtaccgcgta  | 1766640 |
| cgctagcaat  | cccgcagggag | tattgagtgc  | cgggtgccgta | gctgccatgg  | acacgactct  | 1766700 |
| gtttgctctg  | gaacaacgta  | cgggtgtgca  | gacactcgtc  | gtagctgtca  | aacaaataga  | 1766760 |
| cggaggcgac  | tgcttcgagt  | ttgcctatca  | gctggggaaa  | aagaacggtg  | tgggtgagaa  | 1766820 |
| agaaaaagac  | aacggactgg  | ttatcttgct  | ggtaacggaa  | gaacgatgca  | ttcagttcgc  | 1766880 |
| cacaggatac  | gggctggaag  | gcgtcctccc  | cgatgcggtc  | tgcaaacaga  | tacaagtacg  | 1766940 |
| atacatgaac  | aagtatctgg  | gggaaggcaa  | ctgggatgcc  | ggtatgctgg  | caggcattca  | 1767000 |
| ggccgtcagc  | cggcagttgg  | acggcacagg  | agaacctccc  | gtcccccggc  | aggaagaaga  | 1767060 |
| aagcggctat  | ctgcttctcg  | tcattctgat  | atgctgtttc  | gtcattgttc  | ctgcactttt  | 1767120 |
| atggttcagt  | gtacgccagc  | gcaagaaatg  | tccgctctgt  | cataaacaca  | cacttcgcca  | 1767180 |
| gctttccgta  | cgtaccgttt  | cacgtatcaa  | cggcatccgt  | acggaagaaa  | tcgtactaca  | 1767240 |
| atgtaccaat  | tgccgacatg  | tggttcgctg  | tcaacggcag  | aaacgcgatg  | aagacgattt  | 1767300 |
| ccatcatcgt  | ggaggcaacg  | gaggaccttt  | ccttgccgga  | ccgttcttcg  | gaggaggctt  | 1767360 |
| cggaggaagt  | gacggcggag  | gaggcttcag  | tggcggctct  | ttcgggtggag | gaagcttcgg  | 1767420 |
| cgggtggagga | gcaggaagca  | aattctaact  | ttaaacgaac  | atttaagaag  | ctatgtacaa  | 1767480 |
| caatacattt  | ggaaacatat  | tccgtctgac  | cagtttcggt  | gagtcgcacg  | gaaaagcgat  | 1767540 |
| agggtggagt  | attgacggat  | tcccggcagg  | cattgccatc  | gacatggaat  | ttatacaaaa  | 1767600 |
| agaattgagt  | cgtcgtcgtc  | cgggacaatc  | ggctatcaca  | accgcacgca  | aggaagccga  | 1767660 |
| cgaagtggaa  | tttctttcgg  | gaatctacga  | cggagtgtca  | acgggttgct  | ctatcggttt  | 1767720 |
| tgccatatgg  | aataccaacc  | agcactcgaa  | cgattacgat  | aacatgaagg  | atgtttatcg  | 1767780 |
| tccttcgcac  | gcagattata  | cttataacca  | gaaatatgga  | atacgcgacc  | atcggggtgg  | 1767840 |
| aggccgttcg  | tctgcccggtg | aaacaattgc  | ccgcgtggta  | gccggagcac  | tggccaagct  | 1767900 |
| tgccctgcgc  | caactgggta  | tcagtatcac  | ggcattttacc | tcgcaagtgg  | gtccgtataa  | 1767960 |
| gctggataaa  | gactatacgg  | catacgacct  | gacaacaata  | gaagacaatc  | cgggtgcgctg | 1768020 |
| ccccgatcag  | gaactggcac  | gccagatggc  | cgactttatt  | ttccgtatca  | agggagaagg  | 1768080 |
| tgataccatc  | ggcggagtaa  | taagttgcgt  | tatcaaggga  | tgtcccgtcg  | gacttgggca  | 1768140 |
| gccggtattc  | ggaaaactgc  | atgcagcctt  | aggaaatgcc  | atgttgagca  | tcaatgccgt  | 1768200 |
| aaagggattt  | gagtacggac  | aaggcttcag  | caacatggaa  | ctgaaaggaa  | gtcagcagaa  | 1768260 |
| cgatatcttc  | tacaacgaca  | acgggaaaat  | aggcttccgc  | accaaccgct  | caggagggtat | 1768320 |
| tcaggggggt  | attagcaacg  | gacaggatat  | ttacttccgc  | gtagctttca  | aaccctgtggc | 1768380 |
| aacggtactc  | atggaacagc  | ctacggtaga  | catccacggt  | aacgaaacca  | tcctgaaagc  | 1768440 |
| ccgtggacga  | cacgatccct  | gcgtgctgcc  | ccgtgcagtc  | cccatcgtgg  | aagcgatggc  | 1768500 |
| tgccatgacg  | ctgctcgatt  | actattttatt | taacaaagcc  | tcaaaattat  | aatcatcatc  | 1768560 |
| atggaaaataa | aacaatacat  | caaagaaaac  | gaatctcgtt  | ttctggacga  | actcttcagc  | 1768620 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| ctgattcgta  | tacccagcat  | cagtgccttg | cctcaacaca  | aggatgacat  | gctggcctgt  | 1768680 |
| gccgaacgct  | ggcgccagtt  | gctgctggaa | tcaggagcag  | acgaagcgat  | gattatgccc  | 1768740 |
| tcgcaaggca  | atccgctggt  | atatgccgaa | aagcgtgtca  | gtcccgatgc  | gccaccgta   | 1768800 |
| ctgatttatg  | ctcactacga  | tgtcatgcct | gccgaaccgc  | tcgaactatg  | gaagagccaa  | 1768860 |
| cccttcgaac  | ctgaagtgcg  | cgacggccgt | atctgggcac  | gcgagaccga  | cgacgacaaa  | 1768920 |
| gggcaggcaa  | tgattcaggc  | aaaggcattc | gaatatgtag  | tcaaagaagg  | attgctgaag  | 1768980 |
| cacaacgtga  | agttcatttt  | cgaaggagaa | gaggaaatcg  | gttccccag   | cctgaatgcg  | 1769040 |
| tttctgaaa   | agcacaagga  | actgctgaaa | gccgacgtaa  | tcctcgtttc  | agacacaagc  | 1769100 |
| atgctgggag  | ctgatctgcc  | ttcgctgaca | accggactgc  | gcggaactggc | ttactgggaa  | 1769160 |
| atcgaagtaa  | cggggccgaa  | ccgtgacctg | cattccggac  | atttcggcgg  | agccgttgcc  | 1769220 |
| aaccctatca  | acaccttgtg  | cagcatgctc | gcacaagtta  | tcgatgccga  | cggccggatt  | 1769280 |
| acgatcccc   | acttctacga  | cgatgtggaa | gaagtaccgc  | ctgccgaacg  | tgacatgata  | 1769340 |
| gcccatattc  | ctttcgacga  | gaagaaatac | atggaagcca  | tcggcgtaaa  | ggcactgaaa  | 1769400 |
| ggtgaaaaag  | gatattctac  | actggagcgc | aacagctgcc  | gcccgtcgtt  | cgatgtctgc  | 1769460 |
| ggaatctggg  | gaggctatac  | gggagaaggc | tccaagaccg  | tcctgccttc  | gaaggcgtat  | 1769520 |
| gccaaagttt  | cctgccgtct  | ggtacctcac | cagaacctatg | aagttatttc  | aaagctgttt  | 1769580 |
| gtagattaca  | tcaacagcat  | cacgcccagc | tacgtacaag  | tgaaggttac  | acctatgcac  | 1769640 |
| ggcggagaag  | gttatgtatg  | tccgatttct | ctcccagcct  | atcaggcagc  | agaaaaagga  | 1769700 |
| tttaccaaa   | cattcggaaa  | gaaacctctg | gcagttcgac  | gcgaggaag   | tattcctatc  | 1769760 |
| atcagcgact  | tcgagcaaat  | tttaggaatc | aagacggttt  | tgatgggatt  | cggctctggaa | 1769820 |
| agtgcgcca   | tccactcacc  | caacgaaaat | ttctcactcg  | acatcttccg  | caaagggtata | 1769880 |
| gaagctgtag  | tagaattcca  | taaagagttc | agcaagtaac  | aacagcgata  | tccataccaa  | 1769940 |
| tcaaaactaaa | agccctgtca  | aaactcacat | caagcagagt  | tttgacaggg  | cttttccgta  | 1770000 |
| tgctctgttg  | cagtctgcaa  | ttaatcagcg | cagacgcaga  | atatcaccca  | ctttcgggtgc | 1770060 |
| cggagcatcc  | ggatccatgt  | tgttcatctt | atacaaacgc  | tccagtcgta  | caccaaactt  | 1770120 |
| ctgcgcaatg  | ctgtacatcg  | aatcaccgct | gcgtaccaca  | tacgcaatat  | gatctttggt  | 1770180 |
| agcccagcga  | cgcttctgct  | ccaagtatac | aatttctcct  | ccacggaaga  | cataatcttt  | 1770240 |
| aggcagttcg  | ttatatattgc | gcagtttacg | ctgactgata  | tcaaactcct  | tacccagtga  | 1770300 |
| cttgaacgta  | tctccgcgac  | gagctacgac | gtaaagcagt  | tcgttggcca  | gataaggctg  | 1770360 |
| gtgaggattc  | ggaaattctt  | ccgcccattc | cagtccccct  | tttggtcata  | tttatccagg  | 1770420 |
| tcatacagtt  | caatgatatt  | aatcaggcgg | ttggcatatt  | gcgatcgggt  | agcatagcct  | 1770480 |
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| gcataacgag  | cccccgcacg  | taaaaatttg | gaatggtcgc  | gataagaatc  | cttcggatgc  | 1770600 |
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| cacgagcctc  | cgcacttgat  | gccgaagtga | ttgttcgact  | tccgagccag  | ctcgtctttt  | 1770720 |
| ccagctcccc  | attccagtag  | tccctgtgcc | agcgtgatac  | ttgccggaat  | acgataatgc  | 1770780 |
| ttcatttctg  | ctaccgcaac  | actccgatac | ttatgtatat  | aatcctcgta  | cgccttggtta | 1770840 |
| cgtttctgtg  | ccgacaggga  | gactgtaacc | cccatcaaac  | ctataaatat  | caaccaatga  | 1770900 |
| gatagtttca  | tctttctttc  | cgtttacatt | taagcagggc  | aaagataaac  | tatttacacg  | 1770960 |
| aataatacca  | cagatgatag  | gaaatctccc | tttttttccc  | tacattcgta  | taaactttta  | 1771020 |
| tattccatat  | ttatatgaaa  | gaaataaaga | ttgaaataaa  | catccgtgcc  | ttacgctacg  | 1771080 |
| aagaactgga  | tgagaaagac  | cgcaagctga | tagatgcagc  | taaggaagct  | acagcacgaa  | 1771140 |
| gctacgctcc  | ttactcacgc  | ttctcggtag | gtgcagcagc  | tctgctggca  | aacggagtga  | 1771200 |
| tcgtaaccgg  | aaccaatcag  | gagaatgcag | cctacccatc  | gggaacatgt  | gccgaacgca  | 1771260 |
| ccacactctt  | ctatgccaat  | tcgcaatacc | ccgaccagcc  | ggtagacacg  | cttgccattg  | 1771320 |
| ccgcacgcaa  | tgaatccgat  | tttctggagt | cgcctatccc  | gccgtgtgga  | gcctgccgtc  | 1771380 |
| aggtaacttct | ggaaaccgaa  | cagcgtttcc | atcagcctat  | gcgaatcttg  | ctttacagta  | 1771440 |
| aaaacgacat  | ttatgtgctg  | gaaggaacca | aggatttgct  | tccgctatcc  | tttggaagtg  | 1771500 |

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| ggacaggttt  | cggttccgag  | gaaagcccaa  | ataaaaacgg  | agaaacagaa  | tcaccacaga | 1771620 |
| ttccgtttct  | ccgtttttcta | tttagagaat  | cacttgttta  | tttgcttgta  | ccatacatat | 1771680 |
| gagcacgcat  | ttccttaata  | tgatcggaag  | tgatgtattc  | gtcatattcc  | atcatcttgt | 1771740 |
| cgatgatacc  | gttcggagtc  | aactcgatga  | tacggtttgc  | cacggtttcg  | atgaactcat | 1771800 |
| ggtcgtgtga  | cgagaagagc  | acgttaccct  | tgtatgtctt  | caggttattg  | ttaaatgcct | 1771860 |
| gaatagattc  | caaatccaag  | tggttggtcg  | gcgtatccaa  | aatcaagcag  | ttggcattgc | 1771920 |
| gaagctgcat  | acgggcaatc  | atacaacgca  | tcttttcacc  | tcccgaagc   | acattcacct | 1771980 |
| tcttcatgac  | ttcctcacc   | gagaacaaca  | tacgtcccag  | gaatcctttc  | atctccactt | 1772040 |
| cgttgccctg  | accatactgg  | ctcaaccagt  | ctaccagatt  | caggctcgag  | ttgaagtaat | 1772100 |
| ccgtattgtc  | gagcggcaaa  | taagccgttg  | taatcgtcac  | accccagtta  | taatgtccag | 1772160 |
| cctgcgcctt  | gcggttaccg  | tttataatct  | cgaacaacgc  | agtcattggc  | cgcggtcgt  | 1772220 |
| ggctcaggaa  | tacaatctta  | tcgcctttct  | ccacggtaaa  | gttcacgtcg  | ctgaacaaaa | 1772280 |
| cagttccgtc  | ttctgtttcg  | gcacgcagtc  | ctgaaacctc  | cagaatctgg  | ttaccgggt  | 1772340 |
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| tattcagttt  | ttccagcatt  | ttcttacggc  | tcgtcgtctg  | cttcgatttc  | gccacattgg | 1772460 |
| cagagaaaacg | acggataaac  | tcttccagtt  | ccttacgctt  | ttcttcagct  | ttagccttct | 1772520 |
| ggttctgctg  | ctgacggaga  | gccagctgac  | ttgattcgta  | ccagaagctg  | tagttaccag | 1772580 |
| caaagagatt  | taccttacca  | aagtcgatgt  | cgaccgatg   | ggtacagaca  | gagtcgagga | 1772640 |
| agtgcaggtc  | gtggctgact  | accagcacgg  | tatgttcgaa  | gttggaagaa  | tattcttcca | 1772700 |
| gccaggttac  | cgtatccata  | tccaagtcgt  | tggtaggctc  | atccagcaac  | aagttgtcag | 1772760 |
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| cgataatacc  | gtatatatta  | ccattcgtga  | acttcatgtt  | cacgtcatta  | tacaacactc | 1773240 |
| tttttccaaa  | ttgaacggct  | acgtttgaaa  | ctgtaatcat  | ttctttctat  | acctatttta | 1773300 |
| aaattaatcg  | gctgcaaaga  | taatacaaaa  | aagtgcagata | cagcgcaaag  | ctatgcagaa | 1773360 |
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| aatttgcaag  | aatcagtcag  | aaccgatact  | tttgagcaaa  | acttttgcaa  | cggctgccga | 1773480 |
| tgaacatcc   | gaaacacaag  | cgaagttca   | aaaaaacatc  | ggcatgtttt  | agagaaaatt | 1773540 |
| tgtacaaaag  | atttttgttt  | ttgtacaaa   | cctgaaattt  | tttgtacaaa  | aaacatcagc | 1773600 |
| aacttcccga  | cgaatccaag  | gacttatggg  | aaggttctga  | aacgactaag  | agcagaaaga | 1773660 |
| aatgaaaaaa  | tcgacctgga  | gaaaacatca  | taaattggtc  | ggactgatta  | tggccgtctt | 1773720 |
| cctcattctg  | ttttgtgtat  | cgggcattat  | cctgaaccac  | cgacagctct  | tttccgattg | 1773780 |
| ccagatcagc  | cggggatggc  | tgcccgaaac  | ctaccggtac  | cgcaactgga  | acaacggctt | 1773840 |
| gttgcgggga  | acagtctcct  | gccttcccgg  | tgtgtgtcgg  | gaagacagcg  | ccgtgttgct | 1773900 |
| gtatggcaat  | gccgggtattt | ttctgacgaa  | cagcgaggca  | accacgttcg  | atgacttcaa | 1773960 |
| tcgcggattt  | ccacacggag  | tcgactggcg  | taacatacga  | ggaatggcaa  | tcactcctca | 1774020 |
| aagcgattta  | tttgccgcaa  | gtcagttcag  | gctctaccgt  | tacaaccggc  | aatccggctg | 1774080 |
| gcaagcagtc  | accctgccct  | tgcaagaaga  | agaacgcctc  | tcggacatta  | ccaccctgta | 1774140 |
| cgacagcctg  | ataatcgtcg  | gtcgtctctca | tttgtattat  | gccaccctgc  | catatcagca | 1774200 |
| ttttcatcag  | ctgaccctga  | aagctcccga  | aggatacgac  | gggaagggtat | cacttttccg | 1774260 |
| taccgtctgg  | ctgttgacac  | gcggcgagct  | gtttggcatt  | ttcggcaagt  | tgctgatgga | 1774320 |
| tgttctggca  | gctatcctga  | ttcttctttc  | ggtaagcggc  | attgcatact  | ggctcctgcc | 1774380 |

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| gaaaacatcc  | ttgtcgtggc  | acgacaagat  | aggcagaaag  | accatcgtgc  | tgacactcct  | 1774500 |
| catcgcggtg  | accggatgga  | gtctgcgtcc  | gccggtgctt  | ctggcactag  | tgtacggaaa  | 1774560 |
| agtgcctgcc  | attcctttca  | cacagcttga  | ctcttccaac  | gcatggaacg  | acaagttacg  | 1774620 |
| gatgcttcgc  | tacgacgaac  | agcaaggcga  | ctggctgctt  | tctacttcag  | atggattcta  | 1774680 |
| ctcactgcca  | tcgcttcagg  | ctattccggt  | gaaagtccga  | aaagctcctc  | ccgtcagtgt  | 1774740 |
| catgggcttg  | aacgtattac  | agcatgacca  | acaaggcaac  | tggcttacgg  | ggtccttcag  | 1774800 |
| cgggatgtat  | gtgtggcaca  | gaagttcaaa  | ccgcattact  | gatttcttca  | cgggagagac  | 1774860 |
| ggcttccgaa  | gcagcaggtc  | ctcccctcgg  | tcgtcatgcc  | attaccggat  | atagtagtga  | 1774920 |
| ttttcatgga  | aaaacctgtc  | tgactgaata  | cgaagaaggc  | agtgatttca  | cgcctatgcc  | 1774980 |
| agaaagtatg  | gcaacattac  | ccatgtcgtt  | gtggaacttc  | gctcaggaag  | ttcatacggg  | 1775040 |
| acgtatttat  | acgggtattg  | ggaaaggcac  | gctgatattt  | atctttttcg  | ccggcgcagg  | 1775100 |
| tgcgctgtgg  | agcctgattt  | caggatatgt  | catcaggaag  | aaaaagtcac  | aaaagggaaa  | 1775160 |
| cggaaatfff  | cagaacggcc  | ttttatggat  | taagaagatt  | gtcggcttca  | tgatccataa  | 1775220 |
| aaggcttaat  | ttttcagtaa  | atcctcaaaa  | tttcatagtt  | tacctacctt  | acctacagca  | 1775280 |
| atacatcagc  | atgggaatca  | ccgtaagact  | ggactatggt  | catatcatta  | ccgtatgaac  | 1775340 |
| cgttttttatt | gcaacaaata  | ccgaaaggag  | aaatcatttc  | aaaaaaatcg  | cctttttccaa | 1775400 |
| taacattttg  | tcgcacttat  | agcataaaaa  | gaaaaaaaaa  | tctataatft  | tgccagcaaa  | 1775460 |
| gaataaaaaac | aataccaaaa  | gacgttatta  | taagttgcta  | attgaaactc  | aaaaattaat  | 1775520 |
| taacatatat  | ctgaaagcag  | atgtattaaa  | agggacaaag  | atagagagag  | acctcgcagc  | 1775580 |
| aagttaataa  | ttataccgac  | ttatcagggt  | cagaacaata  | ttcactgggt  | ttcgagattc  | 1775640 |
| cgcacgcca   | aagccaatat  | tatcatggag  | agatcctttc  | ttctattccc  | tctagtttct  | 1775700 |
| gagttattac  | accataagta  | aaaagaaatt  | ataaaaagatt | ttttgcgttc  | tttatagaga  | 1775760 |
| cagcaaatga  | cctatatata  | attctaaata  | tttatactca  | taataattaa  | aaacgagaga  | 1775820 |
| tttatgaaaa  | aaaaattggt  | tttaatctgt  | acttgccctc  | tcgcttgtat  | cagcatagcg  | 1775880 |
| atggcacagg  | tatcgacggt  | gacagggtgt  | gtcatctcag  | aagaagacaa  | tctcccaatt  | 1775940 |
| gtaggagctt  | cggttctcat  | taaaggaacc  | aacacaggaa  | cagtgaactga | cattgatgga  | 1776000 |
| aaatttacgt  | taggcaatgt  | tccggcaaat  | gccaaaaaag  | tggttatctc  | gttcacggt   | 1776060 |
| atgcagaccc  | gagaactgga  | catcaagccg  | gtactgaacg  | taacactgca  | atcagacaca  | 1776120 |
| gaggtgctgg  | atgaagttgt  | ggtaaccggt  | tacggcgtaa  | ccaagaaaag  | tacattcacc  | 1776180 |
| ggagctgcca  | acgtggcaag  | tcctactacc  | ctcgaatcac  | atacggatgc  | caactttatg  | 1776240 |
| aaagcactgg  | aaggaagcat  | gccgggtgta  | cagatgaaca  | actcaaccag  | catgccgggt  | 1776300 |
| gctgaagcaa  | acgtctacat  | ccgagggtgaa | agttctgtaa  | actcgggtac  | acagcctcct  | 1776360 |
| tacatcatcg  | atggcatgcc  | gatgaattca  | gatacagatg  | cagaatcagc  | cagtttgaat  | 1776420 |
| cgtgcattca  | acccgctggc  | aaatatcaat  | acagccgata  | tagaaagtat  | cactgttttg  | 1776480 |
| aaggatgcca  | acgccacggc  | tatctacggt  | tcgctgacag  | ccaacgggtg  | gatcgtcatt  | 1776540 |
| acaactaaaa  | agggacagga  | aggtgccatg  | cacatcgact  | tggacatcaa  | gcagggattc  | 1776600 |
| acaaccattg  | cccccaacaa  | cttctctttc  | tgcaacgcac  | agcagactgc  | cgacttgtat  | 1776660 |
| gcacaaggctc | tggtaaacag  | caatccggag  | aagtatactt  | acgaatcggc  | tatggccaag  | 1776720 |
| atcaaatcgg  | actataactg  | ggacggcatc  | cagaactacg  | actggattga  | cgccatcaca  | 1776780 |
| cgtaccggat  | attatcagga  | ctacaacctc  | agcttcagcg  | gtggaaacgg  | caagacacgc  | 1776840 |
| tactatgcca  | gtgtagggtta | cctgaatcag  | gaaggtgtgg  | ccatcaacag  | cggatgaaa   | 1776900 |
| cgatactctg  | cccgcctcaa  | cctcgagaca  | tcatacaaat  | ggttcagctt  | cggattcaac  | 1776960 |
| acctcgttcg  | cgctggccga  | catggatgct  | ttctcacagt  | caaccggagg  | ttcttactcg  | 1777020 |
| aaccgctttg  | taggtggtac  | attgaaagcc  | actccgctcg  | atccgttcta  | caacgcagac  | 1777080 |
| ggtagctata  | acacggggat  | catgtataac  | ccgcttgccg  | tatacgacga  | ggatgaagga  | 1777140 |
| gatatctata  | ataccaaaac  | aactaccatt  | aacctgaatc  | cgtatftttgc | tatcaatttt  | 1777200 |
| ggacaaggct  | ttatcctgaa  | aacctcatta  | ggtcttaact  | cgtacgggtac | acgccagtac  | 1777260 |

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| gatttctgga  | gctggtacaa | caatcagggga | gccagcgaca  | acggacgtgg | tacacagtac | 1777320 |
| aattcaaata  | ccactaccat | tacatggacc  | aacactctga  | actggatgca | taccttcaac | 1777380 |
| gaaaagcata  | acctgaatat | catgctcgga  | caggaagcac  | agtggaagaa | ctactggaac | 1777440 |
| gaaaaatatg  | ccggaatcaa | tttccctttg  | agaggatata  | gagaaataaa | catggccggt | 1777500 |
| tcttcttacg  | gtaatccgtc | gtacgttacc  | cgtcaggcac  | gtctggcttc | tcttttcgta | 1777560 |
| aatgcaagtt  | acgactatca | gggcaagtat  | tacggacagg  | taagtttccg | tcgtgacggt | 1777620 |
| tcgtccgtat  | tcggtagcaa | caaccgatgg  | ggtaacttct  | ggtccgtagg | cggcaaattg | 1777680 |
| cgtgtctctg  | aagaagaatt | tctgaaagac  | aatgcaatct  | ttactaacct | ggcactgcgt | 1777740 |
| gcaagctacg  | gaacggtagg | taatcaggat  | attgactggt  | atgcggcccc | tggtttctac | 1777800 |
| agcgccggat  | acaattatga | cagcacaccg  | ggtatcgttc  | ctgaatcact | gaacctcccc | 1777860 |
| gacctgggat  | gggaaaccag | caagaagctg  | aatatcggac  | tggatatcac | ttttgccaga | 1777920 |
| aaatggaacc  | tcactgtaga | tttctacaac  | gaagctactt  | ccaacatgct | gtttgaactg | 1777980 |
| cctatctctc  | aggttaccgg | cttgagcgag  | gtttaccaga  | acatcggttc | catgagaaac | 1778040 |
| agaggcggtg  | aaatcgggtc | gaacggtacc  | atcctgcaaa  | ccaagggatg | gacatggact | 1778100 |
| gcatacgcta  | atgttacatt | caaccaaacc  | agaatcactg  | agctttctgg | tggaaaaccg | 1778160 |
| atcgaagata  | cttataccat | caaacaggaa  | ggctatcctt  | taagacaatt | ctatatggta | 1778220 |
| gaatatgcag  | gtgtagatcc | ggatacgggt  | gcgccattat  | ggtataaaaa | tgctacaggc | 1778280 |
| aatgaaacca  | caaccaactg | gaacgaatgt  | gccaaacggt  | acctcggctc | ggctgatcct | 1778340 |
| aaggcctatg  | gtggtttcgg | tacacgcgta  | caatggaaga  | acttcgactt | ctcggccgac | 1778400 |
| ttcaattaca  | gactgggagg | aaaagtttat  | gctttatcaa  | accgttctta | tctatcagcc | 1778460 |
| ggaagtaaa   | gcaacataac | tccaaccact  | tatctgtacg  | aacatgcatg | gaccgaaaac | 1778520 |
| aaccgttata  | ccgatgttcc | taagtatata  | tatggaaaca  | cttcgaggga | aaacaaccat | 1778580 |
| tcttcacggt  | tctgtacag  | cggaaacttc  | ctgcgtgtaa  | agaacctgca | actaggatat | 1778640 |
| acactgccta  | aacaactctt | gaagaaagcg  | ttgatagaca  | acatgcgcat | ctatgtatcg | 1778700 |
| gtagacaaca  | tctatacatt | caaagcaaag  | gatttcatcg  | gttacgatcc | tgaacatac  | 1778760 |
| acaagcggat  | tgattgcata | ccagtatcca  | tctacccgaa  | cattccttgc | cggatttacc | 1778820 |
| ctgggatttt  | aaaaataaat | atgtttaacg  | aatcaataaa  | aaacaaaata | tgaagaagtt | 1778880 |
| tatcactcgt  | ctgtttatct | gttcagccct  | ggccggaagc  | tttgccctct | gcaacagttt | 1778940 |
| cttcgatacg  | gaatacaacg | aaggagttag  | cgttgacaac  | ggactgacaa | gcgtagacaa | 1779000 |
| cataaaaatat | gcattgaacg | gaacttatta  | ccaattattc  | acttcctatt | ttgccggaaa | 1779060 |
| ctatgtactt  | accatcggcg | atatggctag  | tgacatagct  | tacctgaatg | gatcagccag | 1779120 |
| ccactggata  | accatcaacc | actataacgt  | aacccttgat  | gatacatact | tgagcagtat | 1779180 |
| ttgggaatat  | ggttataaaa | taatagataa  | tgcttcacgt  | atcatcaagg | ctggaaaaga | 1779240 |
| actggaagca  | accgttaccg | acaccgacaa  | agctgcattg  | aaacaatata | tggcagaagc | 1779300 |
| ctacggattg  | agaggatatg | ccatgctgta  | tatgaccaat  | attttttggt | aacagattaa | 1779360 |
| ggtaaaccgga | acgacagaca | acagtgatgc  | catcggtgtg  | gtgattgtcg | acgaaccggt | 1779420 |
| caaagctttc  | gaggaagtca | gccgctctac  | cgtaggacaa  | tgctatcaag | ctatactgga | 1779480 |
| cgactttaac  | aatgccctga | cttggttatgc | tgaaagtgga  | accgaaggaa | gaggtaccaa | 1779540 |
| ccagtatctc  | tctgtggcag | ctatcgaagg  | cctgctggca  | cgtacttact | tgtatcagga | 1779600 |
| agacttcagc  | aacgccgaga | aatatgcatc  | gaatgcactc  | ctgcactcag | ggaagaaggt | 1779660 |
| agaagcttat  | actgtagacg | actacaagga  | actgtataca  | ggtggcgaca | gcaattcgga | 1779720 |
| aagtatcttc  | cgtctggcca | tcgatgtaaa  | caacagctgg  | tctgccaat  | cttgtggtaa | 1779780 |
| cgtatggact  | acctacggag | gtctgccaag  | ccagcgcgatg | cgcaacctga | tagcagaaac | 1779840 |
| cgactgtaga  | ggttccctct | atcttcctac  | catcaagaaa  | ggctcatata | accagctaca | 1779900 |
| atatggtggt  | aaattctggt | acggaggagg  | taatacggca  | tatgctacca | actacatcgt | 1779960 |
| caatgcccc   | gaaatggaac | tgattatcgc  | cgaatcgaaa  | ctgcgtgctg | cacagcccga | 1780020 |
| cctgaacggt  | gccaaggaag | cactgctgac  | tgttgccaa   | agaaactcac | agattaccag | 1780080 |
| caccgatgat  | ttgggtaata | cgaagaaga   | agtatttgca  | ttcctgaagg | atgaacgcgc | 1780140 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| tcgcgaattg  | ttccaggaag | gtttccgctt | ctacgacttg  | cgctcgctggg | gtgaaaaggc  | 1780200 |
| tgatgtatat  | gccaatgtcg | aagatcagat | ttcgtacaaa  | tataccaact  | tcgatattgc  | 1780260 |
| acagtctgtg  | ttccctgtac | caaagtctga | agttaatgcc  | ggatttggtg  | tcacacagac  | 1780320 |
| accggactgg  | aacaagtacc | tgcctcaata | acgattttta  | cataacaaag  | ttttatctat  | 1780380 |
| aacagagacc  | tatagactaa | acattgttca | aattagccaa  | ctaattcata  | ctcccaacat  | 1780440 |
| catgaattag  | ttggcttttt | tatctattgg | gcacaatata  | tttacaacaa  | aaagtggcat  | 1780500 |
| atgagatgac  | tatagttcgc | catcttcata | tgccactctt  | atttttaaag  | gatattctact | 1780560 |
| gaatattcct  | atataactac | atttccatcg | ggtattttacc | tcggaacaag  | tttttacaga  | 1780620 |
| ggcttatatt  | ctacaaatgc | ttccattgct | tcgtagcatg  | caagaccag   | actatcgtac  | 1780680 |
| aacgatgcag  | taccacgggt | acggtcttcg | ctacgctgcc  | agaacaaacg  | ttcgtcgttg  | 1780740 |
| cccaggaaaag | gtgcactttc | catctgtgac | tgatgcttca  | agattgagtt  | acgttttgca  | 1780800 |
| cgcaattctt  | ccggactcaa | cggtagagcc | atttcaatgt  | tctcgatttc  | ccattcagcc  | 1780860 |
| catgcaccac  | gatacatcca | gatacggcaa | tctttcaacc  | attctgcacc  | ggcatttttc  | 1780920 |
| tcttcgtcga  | tagcagccag | cacggcatca | gtacaaacac  | ggtgagttcc  | atgtgggtct  | 1780980 |
| gccaggtcac  | cggctacata | aatctgatga | ggtttcactt  | cacgtagcaa  | atccaatacg  | 1781040 |
| atattgatat  | cggcctcact | gataggattt | ttctcgatac  | gtccgggtttc | atagaacgga  | 1781100 |
| aggtcgagga  | agtgaacacg | ttccagcgga | atctgattgt  | atgtgcaagc  | tgtacgggcc  | 1781160 |
| tcaccacggc  | gaatcaacc  | cttgatagta | agaatatcgc  | gggtatccat  | atcgccttcc  | 1781220 |
| ttcttatgtt  | tcaggaactt | cttgatttca | gcgtacatat  | tcttgatggt  | ttcattcttt  | 1781280 |
| tcgccatcga  | acaactgggt | gaaaccattg | ataaagtga   | tgaacgtac   | aacttcttca  | 1781340 |
| tcgcctacag  | caatatttcc | tgaagtttcg | taagctacat  | gaacctcgtg  | tccctgctga  | 1781400 |
| accaaacgac  | ggatggttcc | tcccatcgaa | ataacatcat  | catccggatg  | cggagagaag  | 1781460 |
| acaaccacac  | gcttcgggaa | tggtttcgca | cgctccggac  | gataagtatc  | gtcggcattc  | 1781520 |
| ggttttaccac | ccggccagcc | agtaatagtg | tgctgcagat  | cattaaatat  | cttaattgttc | 1781580 |
| acattgtatg  | cagaaccata | caatgccagc | agttcactca  | aaccgttttc  | attatagtcc  | 1781640 |
| ttattagtca  | gtttcaaaat | cggttttttg | gtaagcaaac  | acaaccaaac  | gatagcacta  | 1781700 |
| cgaatcagct  | tatcgttcca | ttcgtagctt | gttaccagcc  | acggacgctg  | aatacgggta  | 1781760 |
| agatgggcag  | cagtaggaag | gtcgatacag | accgttgctg  | tctgatgcat  | ctgcaagtaa  | 1781820 |
| gaagcaggca  | atgaatcaga | aatcttatct | tctacagcct  | tctttataat  | atcagctttt  | 1781880 |
| tcttcacccc  | aagcaagcaa | gaatacctta | cgagcttcca  | tgatagttcc  | cacaccattt  | 1781940 |
| gtaatagaac  | atggaggaag | attatctata | cccaagttat  | gagcagcctc  | agaacgtgaa  | 1782000 |
| gtagaatcta  | tcaaaatcag | tctggtctga | gaagtagctg  | tagaaccagg  | ttcgttcatt  | 1782060 |
| ccgatatttc  | cttcacgacc | gattcccata | acagcaatat  | cgataccacc  | ataagtcttg  | 1782120 |
| atacgttgct  | cgtacaagtg | gcagtgttct | atcacaccgt  | cctgcggaat  | actaccattt  | 1782180 |
| agcgtaaaaa  | cattctgcgg | atctatatcc | acctgcttca  | agaacagttc  | attcaactgg  | 1782240 |
| ttgatactgc  | tgtgattcga | ctcaaccaac | ggataatatt  | cgtacaagtt  | gaaaacgaca  | 1782300 |
| acattgcgga  | aactgattcc | ttcttcctta | tgtctgcgca  | ccaattcagc  | aaacagcgga  | 1782360 |
| cgaagtgatg  | cacctgtacc | catagcaatc | gtacagaatt  | taccgtcacg  | ctgacgttct  | 1782420 |
| tgtaccttat  | agataatttc | atcagcaata | cacgctacgc  | cttcttctgc  | agtttcgtag  | 1782480 |
| atgttggtag  | gaatcttttc | gaaacgtgtc | aggacagaac  | gttctattgt  | attttcaggc  | 1782540 |
| ttataatatt  | tggtagatac | tctgttcaga | gatattctgtg | aactaagatt  | agtttctata  | 1782600 |
| aaaaattctc  | cttttggtat | aaattaatta | caggttattg  | cgctcgatgt  | ccttgaagta  | 1782660 |
| cttgtaagta  | cctactttca | gttcacgggt | agcagcctca  | tcgcaaacaa  | taattccatg  | 1782720 |
| acgatgcaac  | tgcaaggcac | tgatagtcca | catctgcgta  | ataccacctt  | ctacagcatg  | 1782780 |
| ctgcaaagca  | cgagccttgt | tatgaccatt | acaaaggata  | agtacttctt  | ttgcatccat  | 1782840 |
| aaccgtacct  | acacctactg | tcaaagcagt | cttaggaact  | ttattttacat | cgtttttcgaa | 1782900 |
| gaaacgagaa  | ttggcaatga | ttgtatcggt | agtcaaagtc  | tttacacgtg  | tacgtgaagt  | 1782960 |
| caatgaagaa  | cccggttcgt | tgaagcgaat | gtgtccgtca  | gggccgatac  | ctcccaagaa  | 1783020 |

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|             |             |             |            |             |            |         |
|-------------|-------------|-------------|------------|-------------|------------|---------|
| aaggtcgatt  | ccaccaaacg  | attcaatctg  | cttttcataa | ttagcacatt  | cagcctccaa | 1783080 |
| atcttcagca  | tttccgttca  | gaatatgaat  | gttttccttg | cgaatatcaa  | tgtgattgaa | 1783140 |
| gaaattattg  | tacatgaatg  | aatgatagct  | ttcaggatgt | gactccggca  | atccaacata | 1783200 |
| ttcatccata  | ttgaatgtca  | caacgtgctc  | aaacgatact | acaccttttt  | tattgagttc | 1783260 |
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| tttttcagct  | gtaggatttg  | ccttgttgat  | tttctttgct | acataatttg  | ctgcccattg | 1783380 |
| agaaaagagct | tggtagtcag  | attcgataat  | tactctcata | gtttttccag  | atttaattaa | 1783440 |
| tatatattgta | acaagaatta  | atattctcat  | tgttttcgct | acaaagatat  | ttgtatttat | 1783500 |
| agataaaaagc | aactataata  | ataagtaatt  | acattcgatt | tttaaaattt  | ttaattaact | 1783560 |
| aattgtatat  | tttttaaacc  | acatccgtat  | gaaagaacga | ttattagagg  | aactgcaaaa | 1783620 |
| gggatcaaaa  | ggggcggtaa  | tgaagaagca  | catcattacc | tatctcatct  | acaatgagaa | 1783680 |
| ctctactatc  | accgatcttg  | caaaagatat  | ggacttaagt | atacctactg  | tcacgaaagt | 1783740 |
| cgctgatgag  | atgtacgaac  | aaggctacat  | cgacgagtat | ggaaagctgg  | aaaccagcgg | 1783800 |
| cggacgtcat  | cctattctat  | acggactgaa  | tacagattct | gcctactttg  | tcggagtaga | 1783860 |
| cgtgacatgg  | aactgtgtca  | ataticggaat | tatcaacttt | aaaggggata  | tcctgaaatt | 1783920 |
| acaaatggga  | attccttttg  | agagaaggga  | tacacttgaa | tgcatcgatg  | agttatgcca | 1783980 |
| ctacattcaa  | aactttatca  | atgggcttac  | attggatcaa | gagaaaatac  | ttcatatcaa | 1784040 |
| tgttacgctg  | tgcgagcag   | ttaatcctga  | attaggttac | tgccatagtt  | tcttcaattt | 1784100 |
| tgagaaacgc  | ccgcttgag   | aaattctgac  | cgaacgcctg | aaaatcgata  | catctatcga | 1784160 |
| taatgacagc  | cgtgccatgc  | tttatggaga  | atgtatcaaa | ggagtagtga  | gaggagcaaa | 1784220 |
| aaacgtactt  | ttcattaata  | tcggctgggg  | cctgggaatg | ggaatcatga  | ttgacggaaa | 1784280 |
| actttacaaa  | gggaaatccg  | gcttctccgg  | cgaggtaggt | catacgtatg  | gctacgataa | 1784340 |
| ccaaataatt  | tgccattgag  | ggaaaaaagg  | ctgtgtggaa | acagagggtat | cttggtcggc | 1784400 |
| tctatacaga  | aaattttattg | aacattttaca | agcaggagaa | acctccatca  | tcctggccga | 1784460 |
| aaagaaaata  | gaagacatta  | cactcgatga  | tatatccaat | gcggtaaatac | gagaagacct | 1784520 |
| acttgccatt  | gaactggtag  | aacaaatcgg  | acagcaactg | ggattccaca  | taggaagctt | 1784580 |
| gatcaatata  | ttcaatccgg  | acatggatcat | tattggcggg | caaagtgcgc  | gtgcaggcga | 1784640 |
| ttttcttctc  | cagccagtca  | tatctgccgt  | cagaaaatat | acgctcagcc  | tgatgagccg | 1784700 |
| tgattcggag  | attgtattat  | cgaaattgaa  | agatcaggca | tgtgtaatag  | gttcctgcct | 1784760 |
| gttgctgaga  | agtaaattgt  | tcgaagacta  | acaacaatga | caaaatatga  | tagcagtaaa | 1784820 |
| tattcaccac  | agactgctct  | gatataccaa  | agttatgaca | tcatactatg  | aataacacct | 1784880 |
| gatcaacttg  | atcatatcag  | aacgacctgt  | ggtgaataga | gaaaatctta  | atccttcaag | 1784940 |
| acttgaaaaa  | tactaccgga  | tgcatcgata  | aaaactttta | attcttctcc  | gctacgctgc | 1785000 |
| acttctacct  | cataccagaa  | agaatcgact  | gtttctacga | cttcggcctc  | atcatcatct | 1785060 |
| atacggtaac  | cttctgccga  | taaagctgcc  | gtcacagcag | agggaagttc  | tctgatgctg | 1785120 |
| atgtcccagg  | aggtacgtac  | ccattcgttc  | cggccattga | aaagaagttc  | tttttctttt | 1785180 |
| ccttcgtgac  | gaatatctac  | ctccagatat  | ccgtcatcat | aatcacgctc  | tataatgaca | 1785240 |
| gctcccggat  | agttttcctg  | aataaactgc  | tcgatatcac | ttactacagc  | acctgtattt | 1785300 |
| tcagaattat  | ttccgcccga  | atcgggacgc  | ccttgacgga | cagttccgct  | atgacttata | 1785360 |
| taaaccttta  | tatcatcggc  | aaagcgtcct  | tccagttcaa | agcaatagaa  | agttccagat | 1785420 |
| acttcgggtt  | catatttttc  | cgcctcttca  | acatgagcac | cttccaaata  | agcacttgta | 1785480 |
| gatttcaagg  | caacaataac  | ctgcgaaggt  | atatctttca | cctcatcgat  | attcctgaat | 1785540 |
| ttatatccag  | tcttggtata  | caccacgct   | tgtgccgat  | ttaaagaaagc | ttcatgcttc | 1785600 |
| aggttcccag  | aaataaactc  | tacttccgta  | cctccatctt | cgttatccag  | atcaatgatt | 1785660 |
| ctggcatccg  | gataattttc  | tttcagccag  | ctttccaccg | tattcgacgg  | agtttgcggt | 1785720 |
| aaatattcct  | gataatcttt  | attatcgctc  | gcacgataaa | cctcctttac  | cagaatacct | 1785780 |
| tctgaagtat  | aatacaaatc  | gacatccgtt  | tctatgcctc | cctctttctt  | ttctacgtcg | 1785840 |
| ataacatata  | gcacttcgga  | cacatcattt  | cttgtcagca | catccacttc  | atcatctgcc | 1785900 |



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| tcggagaaac | gaatgtcacg | ctcagtcata | cccaataatc | cacttttctaa | agcgaaccag  | 1786020 |
| gccgtatgat | tacgtaaaac | atcggcagaa | cgcataccat | cccaatagaa  | atcggccacg  | 1786080 |
| gcatagcctg | ccttagttgt | ccacacaaca | ttgcttgctc | caggaaactg  | agcggttaaat | 1786140 |
| gcttccatta | tttgtgcagg | aatatcgccg | gatgttccat | caggaaaaga  | tactttgtca  | 1786200 |
| ttatcactac | acgaagtga  | aaacaacata | ccagccataa | aacatgcacc  | aaaccataat  | 1786260 |
| cgtgattttg | tcataagcca | ttttatttaa | tgttatgaca | caaagtaaaa  | atgtaaaact  | 1786320 |
| gaaaagaatc | tgaaacagta | ttagaaaggc | ataaaaaaat | aggccatctt  | tataaaagat  | 1786380 |
| gacctattat | gaattttgtc | ataagacgat | gtgtcgatta | tccctgatgg  | attgcttcag  | 1786440 |
| aaggacatac | atcagcgc   | gttccacatt | ctgtacacat | ttccgggttg  | atagaatatt  | 1786500 |
| tatcaccttc | agagattgct | ccaaccggac | attcatcgat | acaagtaccg  | caagcgatac  | 1786560 |
| aatcgtcact | aattacgtaa | gccattgtag | taaaagttaa | attattatta  | gtactaattt  | 1786620 |
| gatgatgcaa | aggtaatctt | tttgatgaga | tttgtaatat | ctactttaca  | ctatttccct  | 1786680 |
| aatttgtatc | atgtctaaat | agcatcaatg | cattagagat | tgatacattg  | cttggttgat  | 1786740 |
| acgtgaccga | atttccagct | ttgtcagatt | attctgtcca | taagctacag  | gataagtacg  | 1786800 |
| gttactcaga | aagacaaaga | ccagatcatt | atccggatct | gcccatacac  | aagttcccgt  | 1786860 |
| aaagccagta | tgcccgaaaa | cagaagccgg | agcttcgaaa | gtacacggac  | tttcatcctg  | 1786920 |
| tttctctgta | tccggcttgt | cgaatcctaa | gccacggcga | ctgtttttcg  | acttcatgcc  | 1786980 |
| aatgaacaaa | tcgcaagtag | cccgactcag | ataacgacga | tcgccacaaa  | ttcccctttc  | 1787040 |
| gagtaacatc | tggaagagta | cagccacatc | gtgtgccgta | gagaacagtc  | cggcattttc  | 1787100 |
| tgatacacca | cccataaatg | cagcggcttc | atcatgaaca | tacccttgca  | aaggtcctcc  | 1787160 |
| acgcaagaaa | tctttctcgg | cagtaggagc | aatttgttcc | ttaggaaagc  | gtttcaacgg  | 1787220 |
| attatacgac | gtatacatca | gtcccatagg | cttaaagaat | acactatcca  | gatactcatc  | 1787280 |
| catcggaacc | tttgcaatgc | tctccacat  | ttccttcagc | aacataaagt  | tcagacaact  | 1787340 |
| ataccgatac | gaatgtcctt | tcaatggagc | cttgattatt | tcacgcataa  | cagcctgctt  | 1787400 |
| aaagtctttg | ttcaagaaca | gactatcgga | caattgcaaa | gaataaacct  | ccgaaggagc  | 1787460 |
| agtagacacc | cattctttct | taaacgaaaa | gcttgtacat | gcatacatat  | taggtgcgac  | 1787520 |
| ctgcaagcga | tgtccggcat | ccggtttctt | acggaaaaga | ccacctttgc  | aagtcttcat  | 1787580 |
| atctatagcc | tcttcataaa | acggtaaata | cgacggcaaa | ccagattcat  | gaaacaataa  | 1787640 |
| atcctgaatt | gttatatttt | ccttgtccgt | ttttctcaga | gccggcaaat  | aacggctcac  | 1787700 |
| cttgtccgtc | agtccgaact | taccttcgtc | gtagagtttc | ataacagcca  | gcaagggtccc | 1787760 |
| cgccgcttta | ctcaacgaag | ccagatcgta | tatcgtagtg | tcccttactc  | tctctttacc  | 1787820 |
| atcgtacgtc | aacgagccga | aacatttatt | gtatacagga | taaccgtctt  | tcgttatcag  | 1787880 |
| gacatgacat | ccaggataag | ccttttccaa | tacgccttcc | tttgcaatgc  | tatcaatagt  | 1787940 |
| cgccaatacc | cggaatcca  | taccagttc  | ctcaggagta | taagaacgag  | gataatccgg  | 1788000 |
| atcgagcggt | atgcccgttc | cgcttttcca | taatccagcc | atatcaacag  | acagtcgtcc  | 1788060 |
| gttcaccact | ttctgccccg | tcatgacatc | ggctacataa | cgctgaacag  | actctttatc  | 1788120 |
| cgtatgagcc | agtacgacag | ccgaagcatt | tcgcaagaca | gccgacatct  | cctgcaaagt  | 1788180 |
| attttgagga | gaaaaacaca | ccacgacaac | aggcttatcg | agggccaaac  | gctccaataa  | 1788240 |
| cggaagaaat | gtctgaaaat | tactattggg | atgaactgcg | acaatcattt  | gctgagccgg  | 1788300 |
| aataatacgt | tcctgaagct | gttgtaaaga | aagagaatct | gtgttaccat  | acagccaagc  | 1788360 |
| caatgaaacc | gtttttttca | attccttata | aaaaggatac | gcacccgaca  | aggaagaaga  | 1788420 |
| caagctcaac | agaacatttc | ccgacagcga | caaatccagg | ggaagcacgt  | ctgccgaatc  | 1788480 |
| cttcagaacc | gttaccgcag | ctttctccaa | agtaaccagc | aaactgtctg  | ttccagccgt  | 1788540 |
| atagatacgc | tgtccgattc | cgtcgagttt | cacactcggc | ttctgcttta  | atcctaaagc  | 1788600 |
| atacttataa | gtaagtacct | tacgacacct | gtctgttatg | agctgttcac  | tcaattttacc | 1788660 |
| cgacttaacg | gcacgcatta | tactttcaaa | actctttttc | aagttccgtg  | gtaccagcag  | 1788720 |
| caaatcattt | cctgccaaca | aagcctgtac | gcacagatta | tctgcattat  | ccgaaatacc  | 1788780 |

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| cgaagtaatc | acttccgaag  | agatagacgc | cggtttactg | tccagttcag  | ccacatgcag  | 1788900 |
| atgccctatc | atcactcctc  | ctactccagc | ctttacagcc | tcccgaagaa  | gatacagctc  | 1788960 |
| cacgctgtcc | aaacgatcac  | gagtgaat   | aagcaccggc | aatacatgat  | gtgaatctct  | 1789020 |
| gtctgtatca | ccatgaccgg  | ggaaatgttt | gcagacagcc | aacacacctc  | cgtcttccaa  | 1789080 |
| accgcgggaa | taggctacca  | ccttacgtgc | gacctgtttc | ggatcacttc  | caaacgaacg  | 1789140 |
| cacattgatg | accggattat  | ccggattatt | atccacatcg | gccacaggag  | ccagattcac  | 1789200 |
| ctgtactcct | atttcacgaa  | gctgcctggc | cacttccttc | ccgtactgat  | aaatcaagg   | 1789260 |
| atcattctga | atacatccca  | gcaccgggtt | acgtggaaat | tcaggagtat  | tgttcaggcg  | 1789320 |
| catgcccagc | ccccactccc  | catcgaaagc | aatcatcagg | ggaatatcgg  | cccactgctg  | 1789380 |
| agcctgggtc | gtgagttgta  | cctgcttctc | caactcacct | ttcgaaaaaa  | gcaagcctcc  | 1789440 |
| gatgccatat | tctttaacgg  | cactttcgat | gctactctta | tttttctgcg  | tagttatcgg  | 1789500 |
| ggcaaccgta | tgaataaaca  | gctgacctat | tttctgcttc | aaggatcatgc | gggcaagttg  | 1789560 |
| ttcctctacc | cagtggttac  | acgccacagt | atcatctatc | tgttccagta  | tttttacaga  | 1789620 |
| agaagcatgc | gctcctatcc  | atagcaacaa | gcaacaagc  | aatccaacca  | aacgtctatt  | 1789680 |
| cattctcttt | ctccctcttt  | tataattaac | caacaaaatc | ttccgacttg  | cactttttca  | 1789740 |
| attcgtgcca | gtccttccgt  | atcaattttt | ctgaagtttc | aggatcattt  | taccgacgaa  | 1789800 |
| agcaccattc | tttcccatct  | gctgtaccgg | aatctcgatt | ccatccagat  | ttttataata  | 1789860 |
| ctccggtccc | tcgaagtaag  | aatgagaatg | tcctcccaat | acaacatcaa  | taccacgagt  | 1789920 |
| gttttctatc | agttcgatat  | cactatacgg | ctcgcttttc | catcccagat  | gagaaagaca  | 1789980 |
| gattaccaca | tcacaatgct  | cttcattccg | caacaaatcc | gcaatgcgct  | gtgcttctga  | 1790040 |
| aaccgggtct | tcaaacttca  | cattcccgtg | acattcggag | gccaccagcc  | cgtccaattg  | 1790100 |
| tgcacccagt | ccgaaaacac  | caatccttac | tcggttacgc | tgaatgaccg  | tatactcttt  | 1790160 |
| taccagtcct | tcgagcaccg  | tacctgtcac | atcataattc | gcacagacga  | taggataatt  | 1790220 |
| agccattttg | aacaatcttg  | ccatattatc | cagtccaaaa | tcgaattcat  | ggtttccgat  | 1790280 |
| agtacccgca | tcatagccca  | tctcgttcat | cagctttatc | tctacctctc  | ctttgaacat  | 1790340 |
| attataataa | ggagtaccct  | gtgagaaatc | tcccgaatcg | aacagcagca  | agtcttcatg  | 1790400 |
| aatcttacgc | tgctgcttga  | taaaagtggc | acggcgcaac | agccccgcct  | tatcagccag  | 1790460 |
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| aaacaaatac | agttccttgg  | tcgactgggc | agccaacgct | ccggaaaaca  | agcataccca  | 1790580 |
| taaaatgaaa | tatagtcttt  | tcataataa  | tcctttatca | ttgttctaca  | atacgccctt  | 1790640 |
| ccacattggc | attcacaaaa  | acaccttttg | cctcacactg | cttgacataa  | tcgataaaca  | 1790700 |
| agtcacgcaa | aatagcttcc  | tgcggtcag  | tctttgatac | agcattcttg  | aaagcctcca  | 1790760 |
| tgtgatcatt | gccttctgcc  | agatagtcga | tggtagccac | ccggtattcc  | ttctgcggat  | 1790820 |
| cgaccggact | tcctcccacc  | ttcgcgctca | gcagttctcc | gtccttcgaa  | attaccagct  | 1790880 |
| gcgctccgct | caagccttca  | ccatgcaccg | ccgcaatctg | cttgaagagt  | tccatcagat  | 1790940 |
| ctgctccctt | taagacaaca  | accgacaatg | cattctggaa | aggactgatt  | tcataaatag  | 1791000 |
| agccaaaagt | aatgtttccc  | tcattcagta | tattacgaat | gcctccaatg  | ttcatcaccc  | 1791060 |
| cgacatccac | cttcgtgccc  | aacttggtt  | ccgcactctg | gcaaaggata  | tcggcaatca  | 1791120 |
| ggttcgaaag | cggagattca  | ggcggtatg  | cctcaagctt | ccgggctgaa  | tggccgatga  | 1791180 |
| ccggtgtcat | cagactgtct  | atcttatcct | gataaggctg | taaaattctc  | cacgcagcct  | 1791240 |
| ggctctgctg | ctcatcataa  | acactggtaa | tgggcactct | tcctccctcc  | accgacacca  | 1791300 |
| aagaataact | ggaactacag  | gcggtaagca | caagagagcc | agccaatatg  | gcgtaaaaaca | 1791360 |
| catacttttt | catatattat  | cattcatatt | tattgtccaa | atatagggaa  | aaaagcaaac  | 1791420 |
| ggacacaaga | tttgtatcaa  | aatatccccg | aaacatttgc | ctatatcgta  | gaaaatcact  | 1791480 |
| tactttgcac | cgctttcgcg  | caatcgctgt | caaagaaaag | aagagttact  | tgatatgttg  | 1791540 |
| cgttgtaacg | ataaacaatt  | taatttaaaa | aagaaaatgg | atttaattaa  | aattgcagaa  | 1791600 |
| gaagcatttg | ctactggcaa  | acagcatcct | tcattcaaag | ctggtgatac  | tatcacagta  | 1791660 |

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| aaaatttcag  | gtcacggtga | aaagaaacgt | ttcactgtac  | gtaaaatgtc | aggaactgta  | 1791780 |
| ggtgtagaac  | gtatcttccc | tcttgaatct | ccggctatcg  | acagcatcac | tgtcaacaaa  | 1791840 |
| gttggtaaag  | tacgtcgtgc | taaattgtac | tacttgctg   | ctcttactgg | taagaaagct  | 1791900 |
| agaattcagg  | aaaaacgcgt | taacttgtaa | tactgaatct  | attattcctt | acatacagaa  | 1791960 |
| aaccgattct  | cataacgaga | gtcggttttt | tgtttttaga  | taattatata | tatactaata  | 1792020 |
| cctataaaaa  | ctacttttct | actttctttc | cattgagttt  | tacatttttc | aattcaaata  | 1792080 |
| catcaatata  | atctatatga | acattgggat | tcgtctttac  | tttcaaatac | aaattttcaa  | 1792140 |
| aaataaaaatt | cgacaattta | tattgatcat | cagcccgtgt  | tacatcaaaa | aacgcctcac  | 1792200 |
| actccatcga  | aatattccgc | attactacat | gactggcaca  | agaataaggt | atatccttac  | 1792260 |
| atcctttcaa  | atcaaaaaac | tgcttccaag | gctttgcaaa  | caaaaagctg | cctaccgtac  | 1792320 |
| ccgtgatatt  | ttctatcgta | atatattcat | aattctgagg  | tgtatcagga | cgcattttca  | 1792380 |
| gccacaacaa  | ccgtttcgca | tcaccaaata | gacaacggcg  | aagaataatg | ttatgattat  | 1792440 |
| gtattgactc  | acttccgcaa | gtcaatgcac | tatggcaaag  | cccataaatg | caatcttcta  | 1792500 |
| taataatggt  | acggttagag | ccattatgta | tcttatcctg  | atcagcccaa | ggacctttgc  | 1792560 |
| cgcctttcaa  | tgcatagca  | tcacgtttta | cggacatata  | gcaaccttta | accagtacat  | 1792620 |
| tcgtacaaaac | atcaatatcg | atagcatcgg | aactgggtgc  | ttttaccgga | aagtgtggtg  | 1792680 |
| cagagatatg  | aagattcagc | agtttcacat | tttcacaacg  | atataaatgt | gttgtccaaa  | 1792740 |
| atggagaatt  | ttccaatcgt | acccttgata | attgtacatt  | cttcgaatca | gcaatatata  | 1792800 |
| ccaggcgagg  | acgaagtctt | tccaagtttg | tacatttagg  | atttacctga | cgacgaagcc  | 1792860 |
| aaaatgattt  | ccagtaacgc | aatccgtttc | catttatacg  | tcctttgccc | gatattgtaa  | 1792920 |
| acccatccac  | accaatagca | ttgacaagag | ccgcaaaaata | ttttaagttc | tgtccttcca  | 1792980 |
| tacgcgtatc  | aatgacagca | aatcactga  | tatcatcgct  | tcccttcaat | actccatctg  | 1793040 |
| cttctacata  | aagatgagtc | tgcggtttta | agaacaacga  | accacttaaa | aatgtacctc  | 1793100 |
| gaggaacgta  | aattacacct | cctccttcca | agaagcctt   | atcaattaca | gcttgtatct  | 1793160 |
| tctgagtctg  | tacaattgta | ctatcattta | tcactccata  | atccgttatc | tgataaattt  | 1793220 |
| ttcctaaatc  | ttccaattta | gcaacctccg | cttgccgaaa  | ccaatcgggt | atgggagttc  | 1793280 |
| catccggaaa  | gagatctttt | gccgagacct | gtaaggtcaa  | caatgccaga | catgcaaaaag | 1793340 |
| tcatacactt  | tgtccacaaa | ttattcatag | catttcttta  | ttaaaacatt | tttaactttc  | 1793400 |
| aacagtcgca  | aaaataaaga | aaaacatatc | atacaaaaat  | agaaaatcat | acattatcca  | 1793460 |
| gataaatttg  | tacattcaga | taaatcatca | ctccagacaa  | acaaaatgaa | taaaatcaaa  | 1793520 |
| gactattgta  | ttattttcca | tttactaat  | aaaaacaagc  | agttattttt | gtaaatgaac  | 1793580 |
| aaatattcaa  | tacttcggta | aatttttacc | gataaattaa  | aattaaacat | agaatcggca  | 1793640 |
| taatccggtt  | caaaattata | ttcaagagat | cattgaaata  | ctgtcaagaa | taaatcgtca  | 1793700 |
| aggagtaaga  | aaagggatga | aaaagatatg | ctaaacagct  | gaaaatcaac | agaaaaagta  | 1793760 |
| tttcataatt  | cactgatttt | tagtaaatta | gaagtacttc  | accactttta | attatgacta  | 1793820 |
| aagaatcact  | ccttatgcaa | taccaatccg | agtgcagaaa  | cgctctcgaa | tcagctgtaa  | 1793880 |
| atataagcaa  | atcttttcag | aaagtattca | tggtatgcaat | gaaattattc | atggctatac  | 1793940 |
| ctgaccgcat  | caatttccta | caaatgggac | ggtatggatg  | tttctcggaa | cagacatacc  | 1794000 |
| gcaacaattt  | tgagaacgac | ggctttgact | ggttttcctt  | caatgaagcc | atcatcaggg  | 1794060 |
| aacaccttaa  | aggtgggtcg | aaggcgatag | ccgttgatcc  | gtctttcatt | ccaaaatcag  | 1794120 |
| gcagcaaaaac | gccgtggatt | ggctattttc | ggtccggttg  | tgccggtgaa | tacaaacgtg  | 1794180 |
| gactggaaat  | aaccggtatt | ggagtatatg | acgttgacaa  | ccatgaatgt | atgacttttg  | 1794240 |
| gctctgtaca  | gacacctgac | aacgcaacgc | tggaagagctg | tgagaagaat | cttggttgact | 1794300 |
| ggtacagctc  | ttaccttatc | agcatacagg | aacagctgaa  | acgtattttc | ggcacagtcg  | 1794360 |
| tgtgtgatgc  | gttcttttca | aaggcaactt | tcatcaaacc  | attgtacgat | aacggtttcc  | 1794420 |
| acgtaataag  | ccgtttcagg | aatgatgccg | tattgtttta  | tcccacctta | gaaaatagga  | 1794480 |
| caggaaaacg  | cggacgtcca | aaattacatg | acgagaaaat  | tgactttgaa | aatctggaca  | 1794540 |

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| ccaaagcact | caaacgcttt  | gtgagcctgg | ctgtatggta  | ccccatggat  | ggaagaacgg  | 1794660 |
| acaaatggca | gctgtatttc  | tctacaaacg | aaatacagaa  | cgacaggat   | gtcctggact  | 1794720 |
| tttacagaac | acgtttccaa  | ctcgaattct | gctttcggga  | tgccaagcaa  | catgccggaa  | 1794780 |
| tagcaaactg | tcagtctaca  | gacttcagga | aactggcatt  | ccactttaat  | gcatcacttg  | 1794840 |
| cagcgataaa | cctcgccaag  | gctgcctgta | agaagatggg  | aataaaatat  | tccatatcat  | 1794900 |
| catgcaagtc | agtcatacac  | aatgcttaca | tgcttgaacg  | atttatttgc  | gtgtctggga  | 1794960 |
| ttgaaccaa  | cacgcaatta  | attgacaaac | ttttcaaaga  | actcatttta  | tttactgcca  | 1795020 |
| gagccgctta | ggctgggcta  | atttttaacg | aactattgaa  | tattacaaca  | aagaagtaaa  | 1795080 |
| taccatgaaa | aagttaatta  | ttgcagcatt | ggctctctgt  | ttaggaacat  | caaattgtatt | 1795140 |
| gcatgcacaa | gatctccctg  | accagaaaga | gaccttgaat  | actttgatca  | aagtaaacag  | 1795200 |
| atactacatg | aaaaacaatc  | ccgactgccg | actcccagtt  | tttgtacaag  | gtaagatacg  | 1795260 |
| cccaagcaat | atatggacac  | gaaccgtata | ctatgaagga  | ttacttgccc  | tttattccgt  | 1795320 |
| ttatccagat | acagaatatt  | acaattatgc | ctaccaatgg  | ggagaatacc  | ataactgggg  | 1795380 |
| aatgtggaga | ggaacaacaa  | cccgacatgc | ggacaattac  | gcttgtggac  | agattttatat | 1795440 |
| agatatgtat | aatctctgtc  | ccaaaccaga | aatcctgtct  | aacgtaaaat  | ctaattcttaa | 1795500 |
| catgctggtc | aatacgccac  | agataaacga | atgggtgggtg | atagatgcca  | tacaaatggg  | 1795560 |
| aatgcctggt | ttcgccaaga  | tgggaaagtt | gaccggagag  | aaaaaatatt  | tcaacaagat  | 1795620 |
| gtggcagatg | tacgaatata  | ccagaaatca | gcacggaggg  | aatggaatgt  | ttaaccctaa  | 1795680 |
| agatggtttg | tgggtggagag | accagaattt | cgatcctccc  | tacaagggaac | caaacggaga  | 1795740 |
| agactgctac | tggagccgcg  | gaaacggatg | ggtgtatgct  | gcccttgtcc  | gcgttctgaa  | 1795800 |
| cgaaattccg | tcggtatgaag | tacatcgtca | agattatatc  | aacgactttc  | ttaccatgag  | 1795860 |
| caaagcaata | aaagcctgtc  | aacgtgaaga | cggcttcttg  | aatgtcagtc  | tacacgatcc  | 1795920 |
| aaaccatttt | ggaggtaaag  | aactgacagg | aacatcctta  | tttgtatatg  | gaatggcatg  | 1795980 |
| gggaatacgt | aacgggctttc | tcgaccgcag | tgaataccta  | ccagtagttc  | tcaaggcatg  | 1796040 |
| gaatgctatg | gttaaagatg  | cagtacatcc | tgacggctat  | cttggctatg  | tacaaggtag  | 1796100 |
| cggcaaagag | cccaaagacg  | gacaaccagt | aacatataac  | agcaaaccgg  | actttgacga  | 1796160 |
| cttcggtaca | ggatgtttcc  | ttcttgagg  | aagtgaat    | tataaactgc  | aataagatgc  | 1796220 |
| cacgaccccg | aaaagggata  | attaaagatt | caatccataa  | aaaactccgg  | cagggttaga  | 1796280 |
| tatatatacc | ctgccggagt  | ttttgtcact | tatcggaata  | acatcagttt  | ccttcctcct  | 1796340 |
| tctctcctct | caaatatgat  | gaaggtggca | caccaaactg  | agccttaaag  | cacttactga  | 1796400 |
| aatagaatgg | atcattcatt  | ccaatctgat | aagctacctc  | cgacaccgta  | tattttaccct | 1796460 |
| cagacaacag | ttcaacagcc  | tttttcatac | gcataatgcg  | tatgtattca  | ttaggagaat  | 1796520 |
| aacctgttac | tcctttcact  | ttacgataaa | ataccgtacg  | ccctaagccc  | atcatagatg  | 1796580 |
| caaagtcac  | aatagaaaaa  | tccggatccg | acaaatgaga  | agtcaagggt  | tctgccagct  | 1796640 |
| tgctcgcaaa | ttctttatct  | ttatccgttg | tacaaatagc  | cggacgcacg  | gcatgaggat  | 1796700 |
| ctttcgaaaa | tttttccgcg  | aaacggtcac | gctgttctat  | caattttaaag | acctttgcac  | 1796760 |
| acagcaaact | gctgctaaac  | ggttttgtga | tataggcatc  | agctcccgtc  | tctactccct  | 1796820 |
| ccagatgctt | atcctgcgaa  | ctaagtgcag | tcaacaaaat  | aatgggaata  | tgacttgtat  | 1796880 |
| taaagtcact | cttcaattta  | cgcgtcaatt | caaatcccga  | acaccctggc  | atcaagacat  | 1796940 |
| cgctaataat | caagtctgca  | tcatacacct | ttgcacgctc  | cagtcgggaa  | ataccatccg  | 1797000 |
| cttccgtcac | aacctcaaaa  | tatgggctta | actcctcttt  | taagaactca  | cgtacatcgt  | 1797060 |
| tatcatcctc | tacaatcaaa  | attttccgtt | tgtaaagggg  | ctctgtagat  | atatgttcat  | 1797120 |
| ctgtttgctc | ttcatcctgc  | ttagaaagca | tttcctgcaa  | atgttgtctt  | tctgcttcct  | 1797180 |
| cctcttcttt | aagcagcgca  | ttgccaggaa | tcaaaaaatc  | cttttcgtca  | tatacagaag  | 1797240 |
| catcggtggg | aagcactacc  | gtaaagacag | aacctccacc  | cggattttca  | gcataggtga  | 1797300 |
| ttgttccctt | atgaacttgc  | accaattcat | gagtcaaatg  | caacccact   | cccatgctgc  | 1797360 |
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|             |            |            |             |             |             |         |
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| cgacaaactc  | taccctgctg | ttcgatggag | tatacttaaa  | cgcattcgac  | aaaagattat  | 1797540 |
| aagccacttt  | atccagattg | ttcttatcaa | taaacatctt  | gtacgatgaa  | acagagggag  | 1797600 |
| aaaatatata  | ctccatattt | tttgattcgg | ccacatcttt  | gaatatcagg  | taaatttcac  | 1797660 |
| gcaaaaatgc  | aatcacatcc | gtttcttcca | gcgacaagct  | caattttatta | ttttgcattt  | 1797720 |
| tccggaattc  | aagcaactga | ttaatcaacc | tcaacatgcg  | ctgcgctactt | ttatccatta  | 1797780 |
| tatgtacggg  | accagccatg | tcagcgggga | tttttttcac  | cctatgaata  | cgttctaagg  | 1797840 |
| caccctgtat  | caaagtcagt | ggcgtagcaa | attcatgcaa  | tatgtttgta  | agaacatca   | 1797900 |
| gtttatatcc  | tgtaaagctg | tcttccacct | ttatttttatt | ccgcaaagta  | ttcatattcg  | 1797960 |
| atataatccg  | ataagctata | tatagcgcag | ctataactcaa | caagacataa  | ataagcatcg  | 1798020 |
| cccatgtagt  | tttccaaaac | ggaggaacca | ctactatttt  | caaaaccgat  | tcttcagtc   | 1798080 |
| acactccggc  | cgtattccga | gcctttacat | gaagatgata  | agttccagga  | gacaaatttt  | 1798140 |
| tatatgccgc  | aaaattcagc | gaagaaggag | tgctccatct  | ttcatcgat   | ccatccagct  | 1798200 |
| tataaataaa  | cctcgacagc | cccgcacccg | aataatcaaa  | cgttgagaat  | tctattacaa  | 1798260 |
| atgaattttg  | gttataattc | aacttcaccg | attctgcata  | tgccagcgaa  | gcctccaaag  | 1798320 |
| gagaatcttt  | tgcacccgga | ataacagata | gaccattcaa  | cttcaaata   | gtaaaagtta  | 1798380 |
| cctgcattgg  | agtatatttt | accgaaacat | gcttaggatc  | taccaaaca   | ataccctgtc  | 1798440 |
| cggttcccaa  | ggccagacgt | ccatcctgaa | gtttcaaaac  | actattctca  | ctatatacat  | 1798500 |
| taccaaatat  | atagtcggaa | aacaaataat | tctcgaatgt  | tattaaatct  | ggattaaagc  | 1798560 |
| aagaaaagtc  | atattctgta | gaaaccata  | tcacccctc   | atcatcttct  | gccaacgctt  | 1798620 |
| gtaccatgct  | actgactagt | ccatcgcggt | aagtataatg  | ggtaaattcc  | agattgttat  | 1798680 |
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| ctttccgatc  | gcacataatt | gcacggatat | cattactttg  | caaataacca  | ctttctaaag  | 1798800 |
| aataatgtct  | gtatgcatta | ggatcaacaa | tcagttcatc  | aggattgaaa  | acaaatactc  | 1798860 |
| cctcactcga  | gccaaccag  | atccatccat | tacggtcctc  | acacaaagaa  | cgagtttctc  | 1798920 |
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| catacagaaa  | acattatcag | acgatagtga | tttttcatcc  | aacttatcgt  | atctatatatt | 1799100 |
| tacatcgcca  | atccatattc | cttctccacg | ggtagccagc  | cacaaattac  | ctttgttatc  | 1799160 |
| ttcacaaacc  | gcataaatat | ttatgccatg | atgcaatttt  | ttcttctgaa  | cttcaaactt  | 1799220 |
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| tgaggtaagc  | atacgtaccg | tattcgaacg | gtcttctatc  | acatcctttt  | ccggataaac  | 1799340 |
| acgagctgcc  | ccttcgttca | atatacttaa | ctgggaaata  | cccgcaaatt  | cagagctgac  | 1799400 |
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| cgaaacacct  | gattctgaag | taaaatgctg | aacagtatcc  | gtagccacat  | cgtaagcaaa  | 1799520 |
| cagtcctgtt  | ccgtaagtcg | aatccatat  | aatgccacga  | ctgtcatgaa  | cgatataata  | 1799580 |
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| ttttaaatg   | accatatcca | gacacaacgt | accctccgat  | gtaagaatat  | attgtttgga  | 1799820 |
| tcctacacga  | aacaaaccgg | tcatagacca | tgactttgtc  | ttacgaggaa  | gtgttcccaa  | 1799880 |
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| cagcttattg  | ttttgccaat | aataaatacc | cttttgcgtt  | cctatccaaa  | ttttatcgcc  | 1800060 |
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| caaccagaca  | gcatcttgcg | tcataaaaaa | gccacgataa  | tggtcctgat  | actcaccaca  | 1800240 |
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| caacgaaatt | tcatttgact | tttgcgagc   | aaacgtgac   | agcgaattac  | catcgtaacg  | 1800420 |
| gttcaatccg | ttaagtgtag | ccatccagat  | aaagcccttg  | ctgtcctgat  | acatatatcg  | 1800480 |
| aacggaatta | tttgctagtc | cgttggctgt  | agtcagacgt  | ttactacgaa  | gctctattgt  | 1800540 |
| agcccagca  | ggaacaatg  | aaaagaacaa  | gcaaccagc   | cagcacaata  | tccaaatctt  | 1800600 |
| ttggtttttc | atatatataa | caacaatagt  | tcgttaaaaa  | ttagcccagc  | ctaagcggct  | 1800660 |
| ctggcagtaa | ataaaatgag | ttccttgaaa  | agtttggtcaa | ttaattgcgt  | gtttgggttca | 1800720 |
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| gcaagtgatg | cattaaagtg | gaatgccagt  | ttcctgaagt  | ctgtagactg  | acagtttgct  | 1800900 |
| attccggcat | gttgcttggc | atcccgaag   | cagaattcga  | gttggaacg   | tggtctgtaa  | 1800960 |
| aagtcaggga | catcctgtgc | gttctgtatt  | tcgtttgtag  | agaaatacag  | ctgccatttg  | 1801020 |
| tccgttcttc | catccatggg | gtaccataca  | gccaggctca  | caaagcgttt  | gagtgccttg  | 1801080 |
| gagtatgctt | tcagtcgcta | aagtttacc   | ttgttcactt  | tgtactcggc  | acatcttgtg  | 1801140 |
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| acgactgtgc | cagaaatacg | tttcagctgt  | tcctgtatgc  | tgataaggta  | agagctgtac  | 1801380 |
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| cccaaagtca | tacattcatg | gttgtaacg   | tctataactc  | caataccggc  | tatttccagt  | 1801500 |
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| gccgtcgata | agaagaacct | ttcttacaac  | cttaacctat  | atggtacggc  | aggaatagga  | 1802460 |
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| ctatcccccc | aatggatgga | aatgtttaaa  | tacacacaga  | ccgaagctaa  | aaaaaatgga  | 1802580 |
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| gtacagaata | tatccataaa | taatcccaa   | gaaaaaaaac  | aacgcgaaat  | tgccacccta  | 1802760 |
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| agcggaagc  | tgaaatggaa | tgctccaaa   | ggtgaatgga  | aactgattgc  | cctattttatc | 1802880 |
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| aacaaggcga | cctaccggcg | tacattcttc  | aacgattcat  | atgaagtcta  | taaagccgac  | 1803060 |
| tggaagcccc | acttgctgga | agaattcgaa  | cgtcgaagag  | gatacaagct  | cgaagaacac  | 1803120 |
| tttcttgagt | ttctggatac | cacacgtacg  | gaagcaaccc  | gccgcattgt  | atccgactat  | 1803180 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| cgtgaaaccg  | tcagcgaaat  | gctgatagat  | aacttcacaa  | cccagtggac | acaatgggca  | 1803240 |
| cacaagcatg  | gcagtacaac  | ccgtaatcag  | gcacatggct  | cacctgccaa | cctgattgat  | 1803300 |
| acgtatgctt  | cggttgacat  | tcccgaatgc  | gaagggttcg  | gcctgaccga | ttttcacatc  | 1803360 |
| aagggactgc  | gtaaagactc  | tctcacccga  | ccgaactttt  | cagatatttc | aatgctgaaa  | 1803420 |
| tatgcatctt  | ccgctgcaca  | cattgctggg  | aaaccttata  | cttcacgga  | aacatttacc  | 1803480 |
| tggtgactg   | agcatttccg  | tacctcgctt  | tcccaatgta  | agccagacat | ggatctgatg  | 1803540 |
| tttgatatcg  | gtgtcaatca  | tatgttcttt  | cacggcacac  | cgtatttctc | acaagaagca  | 1803600 |
| gcatggcccc  | gctggctatt  | ctatgcaagc  | atcaatatgt  | cgccaaccaa | tagtatctgg  | 1803660 |
| cgcgatgccc  | ctgctttttt  | cgaatacata  | acccgctgcc  | aatcgtttct | gcaaattggga | 1803720 |
| cagccccgaca | acgactttct  | ggtctatctg  | cccattctacg | acttatggaa | cgaaattgcc  | 1803780 |
| ggacgacttg  | tttcattcga  | cattcacaag  | atggaccggg  | atgcccccaa | atttatcaag  | 1803840 |
| actatccaaa  | cgatcattgc  | cggaggatac  | gacgttgact  | acatctccga | tgcattcatc  | 1803900 |
| aagactacgc  | gttgtagaca  | caggcagctc  | gtcaccagcg  | gaggaacacg | atataaagca  | 1803960 |
| cttattgtac  | cagctgtccg  | gctgatgcct  | gccgccacac  | tcagaaaact | tacagaacta  | 1804020 |
| gcacgccagg  | gtgctacat   | aatatttgtt  | gaacaatacc  | cggaagatgt | accaggatat  | 1804080 |
| catgaactaa  | acaaaaacag  | aaaaatat    | cagcatatag  | tcagacaact | tcctgctaca  | 1804140 |
| gactcgttca  | aacataccca  | acaatttgaa  | ttcggaaaag  | gactaattat | tgccggctcc  | 1804200 |
| gattatcaac  | aggcactggc  | acaaaccgga  | attccagcag  | aagaactgaa | aacacagtat  | 1804260 |
| ggacttcagt  | ttatccgccg  | ttcgaattct  | gaaggacacc  | attactttgt | atcttgcctt  | 1804320 |
| caagataaag  | atatagacgg  | atgggtaacc  | ctgaatgttc  | cgaaacagc  | tgccatgttc  | 1804380 |
| ttcaatccta  | tgaatggaga  | aagaggcaaa  | gtcaaagtc   | agacgaacaa | cggaatttg   | 1804440 |
| caagtccgcc  | tacaactgaa  | atcgggtgaa  | agcctcatta  | tacaaacgct | caataagcca  | 1804500 |
| ctggacaaaag | aacctgcgtg  | gaattatcct  | gaagaacagg  | catacagcct | tagtctggat  | 1804560 |
| cacggatgga  | aactaaattt  | tgtagaaagc  | acgccatcca  | taaccggcca | gttcaacata  | 1804620 |
| gattctccca  | tatcgtggac  | agaactggaa  | cagccggaag  | caaaaatcaa | tatgggaacc  | 1804680 |
| ggatgctatt  | ctattgaaat  | agaactgcct  | actatcgaag  | cgatgactg  | gatactggat  | 1804740 |
| ttgggagatg  | ttcgtgaaag  | tgcacgtgta  | cgtatcaatg  | gaaacgatgc | tggcacagtc  | 1804800 |
| tgggcagctc  | cgttcagact  | gaaggctggc  | aagtggctga  | aaccgggcaa | aaacctgata  | 1804860 |
| gaagtagaag  | taacaaactt  | accggcaaac  | cgtattgccg  | atatggaccg | taaaaatata  | 1804920 |
| gagtggcgta  | tcttttaaaga | tatcaatatg  | gccaaactga  | actatatgaa | aggggactac  | 1804980 |
| aagaactgga  | gcacgatgcc  | ttcgggacta  | aacggcaatg  | tgcgcctgat | accggtaaaag | 1805040 |
| tatagcaaac  | agtaatagga  | tcccgccgga  | cagtaaagag  | ctatctggca | gaaaatagga  | 1805100 |
| aaatatcagc  | agactttcgt  | agaagcctgc  | tcaacaagcg  | accggaattt | gtacaaaaac  | 1805160 |
| gaaaaatggt  | tgtacaaatc  | tccggtgttt  | tttgtacaaa  | aacaaaaaca | aatgtcggca  | 1805220 |
| cgtttctata  | aaacatgccg  | acatttgttt  | taatctgtgg  | gcagattttc | cgcctattgc  | 1805280 |
| tgcaggggta  | ttcccatcag  | tccgataacc  | acatcattgg  | ctactgtttc | gagtgtgaagc | 1805340 |
| gactcgagcg  | ttttctctgc  | gtcagagcggc | atatccagca  | agactcctgc | ccctccttct  | 1805400 |
| atctcacggc  | cgtacactcc  | tgtaatacc   | aattcctttc  | ccaagtcacg | acttactttt  | 1805460 |
| ccggttttca  | gatgcaaccg  | gtacggacga  | ggttcggata  | gagcaaaccg | ctttccatct  | 1805520 |
| acataaaaagt | cctgctctat  | cgggcaccag  | ttgtctggat  | tagtaagagc | catttctgta  | 1805580 |
| gatgtaccat  | cagaataacg  | aaccttcaat  | acgccgttcg  | caatatgaca | ctgcatatga  | 1805640 |
| ttcgtacttc  | cggcaagcag  | caagtatgca  | tgcgaagcct  | ttcctgccag | cggatgcaa   | 1805700 |
| atgctgtcgg  | gataattgtc  | ccataacgat  | gtaaaagcaa  | tgttggtttc | ctttttcatc  | 1805760 |
| aggcggaatg  | gtactcccaa  | tgaagtgttg  | aaccggttat  | cccgaatcaa | gctccgtaaa  | 1805820 |
| ccactgtcgt  | ctatcgtagc  | actcaacaaa  | ggatgacacc  | attctcctat | tccttgata   | 1805880 |
| ggaagtgtga  | aggtagtata  | cggagaacgc  | ggagaaaaat  | actgttcatg | aaagattgaa  | 1805940 |
| gtcaccgaat  | cgttcagata  | ttgatccata  | ttgaccatgc  | aacaggcaga | tgagtcaaca  | 1806000 |
| tctgcaaagt  | cctttctcac  | cgcagcaggt  | acagtcggga  | taaagacatt | taccggctgc  | 1806060 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| caccagtcca  | tgtctccctg | acgagtacgg  | acaaaaaaag  | tatgatgtcc  | ttcacccttc  | 1806120 |
| tttatgcttg  | tatggtagct | cttccgttcc  | acttttggtg  | actccaaaat  | atgctgtggg  | 1806180 |
| tcgtaaat    | cgcgcaactc | aattctatga  | ggagcacgaa  | gtaaaatctg  | tccatccgca  | 1806240 |
| tcaacctcca  | gttcttcgcc | gggtcaaagtc | tgcaaaactt  | ctcccttcca  | acgaattttc  | 1806300 |
| acttttggtt  | tttccacagc | gggtacccgc  | acaagtaatt  | ccggataacc  | actggccgct  | 1806360 |
| tcaacaaaac  | tccagactgt | tttcttacca  | ttcacttcaa  | ccgaggcaac  | ctgttcccgt  | 1806420 |
| atagccttga  | tccgaagtcc | tatttccaac  | ggcttaacga  | aatgctggca  | aatttgataa  | 1806480 |
| gtatccgtat  | ctttctccct | caagaaacta  | taagacacat  | ccggcggttt  | tagtgaagcc  | 1806540 |
| ttgttccaac  | tggacggaaa | tcccggacga  | ataagcaacc  | gaccattcat  | agcatccggc  | 1806600 |
| aaaataccgt  | atacgcttg  | aatcaaaacc  | cgcgaggcaa  | ctcccacagg  | atcaccaaaa  | 1806660 |
| tcgcatagc   | actcgccacg | agcagcatca  | tagaaaactga | tttgtccaaa  | atctccgggg  | 1806720 |
| ctgtcaccca  | gatacattcc | gtcagacaca  | gaactcttca  | gtaatttata  | tccctcatca  | 1806780 |
| gcacgtcctg  | cctgaaaata | agctagtgc   | gtgtgcatca  | cttcggcaaa  | ggctacattg  | 1806840 |
| ttgatactcc  | atgaatacgg | catccagttg  | gttgtagaga  | tcgtagcata  | tccctcatct  | 1806900 |
| ttcagtcctt  | ttccggcaac | cggaaatga   | ggaatctgtg  | tatcgacata  | ccgagtagcc  | 1806960 |
| tgataagcct  | gaaatggatc | agccgtttca  | ctatccaaag  | catggtaaat  | agtccatact  | 1807020 |
| cccgcacttt  | catgcagacg | tttatgtccc  | ataaaatcct  | gaaactctgc  | ccagtgtcct  | 1807080 |
| ttatcagcca  | gccacagacg | tttattcatc  | gccttcaaaa  | tccggtcggc  | ttctttctgg  | 1807140 |
| tatggttctg  | cgttttctcc | aattttactt  | gcaatttccg  | ccgccatctt  | attggctcga  | 1807200 |
| tagttgtaag  | cagacgaatg | tgtcacagcc  | ccactgttat  | aatataaagc  | atcgctcgcc  | 1807260 |
| caaatacgaag | cataggcatc | atacaatcca  | tcattatcgg  | ggtcatagtt  | cagcttttcc  | 1807320 |
| caagcaagat  | gacgggttat | caccggccac  | atccgacgag  | catattccaa  | atcacccggtc | 1807380 |
| cagttaaaat  | gccacaacaa | gtcatcgatg  | taacataaat  | tcatgtcata  | atgatgcac   | 1807440 |
| tgattgtttc  | gccgaggggt | acggcaaata  | tatccgttgc  | tatattgagg  | agttccccat  | 1807500 |
| tccttgactg  | aacgcgccag | atgcaaagcg  | gaatcctgtg  | ccggatgcgg  | aatcgtattg  | 1807560 |
| ggcacatcgg  | ttacctgact | agcagcatag  | gcacgaaat   | gcttgcgagc  | acggctcgtc  | 1807620 |
| catcccaaag  | catccccgc  | ataagctgca  | cgccatccac  | tcagaggcat  | acgccatcct  | 1807680 |
| acggctccat  | ggagccagac | ttctccatcc  | catattccat  | cggcagcaac  | agcaagtgtt  | 1807740 |
| cctcccaatg  | tattgaaata | cggatctgga  | gtggaaaaac  | gaatacgtga  | tgccaatgct  | 1807800 |
| ttccgagcgt  | cctcggcctt | gcgatacaaa  | caccttcctt  | cctcagtggg  | gacgagcttc  | 1807860 |
| aaatccagat  | tttccaatac | caaataagac  | tcacgggtca  | atgctaaatc  | gtactccttc  | 1807920 |
| tgcatttcag  | gatgctccgg | agcttcgaaa  | catccgggag  | ggtcagcccc  | catatcaccg  | 1807980 |
| ttacggctca  | atttcttagc | ccgaatttca  | gagatgaaac  | aacgtaaaat  | catatcgctt  | 1808040 |
| gctaaacctc  | tggcggaaaa | tttccatatt  | gtccatcag   | aatcgggaaa  | agccaacact  | 1808100 |
| gaaattacaa  | tcgtccctt  | acccaaagct  | gtatctctca  | gcaggtaggt  | gcgcctgcc   | 1808160 |
| gctgtatatc  | tggcttcaca | aaactcaata  | gagtcgagag  | caagcgaaaag | attcctgctt  | 1808220 |
| tgcagaagga  | aacggatatg | cttgctgtta  | cgcttatcat  | atgctggcaaa | taccggacgg  | 1808280 |
| tcgcttggtt  | caaggcgaaa | aggagaccaa  | cttccataca  | aggctcgcgt  | aaaccgattt  | 1808340 |
| ttcccgttta  | tacagacaaa | atcatctcct  | tcaggataat  | actgaagcgt  | acgttcagct  | 1808400 |
| ccccgcttgt  | gctcattata | agaagtcgac  | tcaataaaat  | cgccaatctt  | tttagcctgt  | 1808460 |
| ctggtttgtg  | ctggcagaga | aaatactccc  | aatgccagca  | gacacacaaa  | cggaaacaag  | 1808520 |
| ttattcttat  | tcattgctga | ttattttact  | tactcctaaa  | caataaaaag  | taattaaccg  | 1808580 |
| gaaagcatgc  | aaatatgatg | cctccgggtca | attcatatat  | taactaactc  | aactcattat  | 1808640 |
| ggcagtggtt  | tcagaccttc | ccagcgtaca  | ttccatgtac  | cgtcttttgg  | aaagccagga  | 1808700 |
| ttaacaccct  | tcgaaccatc | ccaaccagca  | cacatcattg  | ctacagccgt  | aagcagtcca  | 1808760 |
| ccgttgcccg  | gcaagtatat | acgcaaacga  | ccgtcctgat  | aattgtgccc  | atttaccaga  | 1808820 |
| taagtattgg  | tacgcttgct | cattagcaag  | gcacctaccg  | ccttttccgg  | atcacccaaa  | 1808880 |
| cgggcagcat  | ccatagcagt | catcgataaa  | tcccatcccc  | atgtcttggt  | ccagttccag  | 1808940 |



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|             |             |             |             |            |            |         |
|-------------|-------------|-------------|-------------|------------|------------|---------|
| ttatcccaca  | cccagttcag  | ggtatttttc  | atatattcgg  | gattgaccag | tctattcata | 1809000 |
| ggcaaaatac  | ctaccgctcc  | cagcacggcc  | atgtggtcag  | acgtgaaacg | aatatcctta | 1809060 |
| tacgtatcga  | cagctgtttc  | agctgctaaa  | tacaatttat  | cttcattata | ggcaaggggt | 1809120 |
| gataatttct  | ctattagcgt  | atcccatcgc  | ggcacacggt  | gcataccggc | acgttcacgc | 1809180 |
| caagtttgtg  | ctgtctgcat  | gccaaataac  | cagtatgaca  | gttcaaattg | aggattgacc | 1809240 |
| gtatcagcag  | cacgcagtgt  | ttcctgtgca  | ggaatagctc  | ccttcagaat | ataacggctc | 1809300 |
| tgttctttat  | cataaacagc  | aaacgaatac  | ataaactcag  | ccgtttcctg | aatcaaattc | 1809360 |
| ttgtattttt  | ttatcagttc  | atccgatgga  | ttggcacgat  | acagtaactc | tgccaaataa | 1809420 |
| atcagatgtg  | gctgttgcca  | gataagaaaa  | ctacctacat  | tagaaggcgc | ttccattccg | 1809480 |
| cttggaatcg  | tcattttcat  | ccatcgctact | ccttcaaattc | cctgacgctg | tgcaatctca | 1809540 |
| cgagcaactg  | gttctacctg  | atgataccaa  | gccaatgtac  | ggtcaagtag | ctcaggatgc | 1809600 |
| ccccacaaag  | caaattgtgc  | ctgatgccac  | caaatcattt  | ccatatggaa | cttgccaaac | 1809660 |
| caagaattat  | aagtaagtcc  | ggtttcctgc  | ggaggggtgg  | aaccagcaca | ctggatagct | 1809720 |
| aacagatact  | gactcagtac  | aacacggcgt  | tccagttcct  | ttgctctggg | gtcggtagaa | 1809780 |
| agagaaaaat  | ccactactcc  | acccttggtc  | caaaaattat  | tccagtattc | ggaagatgcc | 1809840 |
| ttttccactt  | cggcaaatgt  | aatagcagga  | gtctttgatt  | cctcaggagt | aaactggcaa | 1809900 |
| gtaaacgcaa  | gaactgtatc  | agcaggagtc  | agaacaaaat  | agttcttact | tttttcagtc | 1809960 |
| agcgaagcct  | caccttccca  | acgaatagtt  | acatagtaag  | tcgtagtatc | caactcacgc | 1810020 |
| ttcagcacag  | ccgattgttt  | gtcttgccgg  | acaagagtcg  | tagtatgctt | gtcgtttgca | 1810080 |
| ttccagtcac  | aagcatcatc  | acaatgtcca  | cccgtaggat  | aaggaaagtg | aaactttata | 1810140 |
| tccggatgcg  | actgagatga  | aactcttgag  | gcaatcatat  | catttacagg | atggcaaacc | 1810200 |
| gtctgcacat  | gatatgagat  | tccggcaagg  | gagaaactgc  | tacttacctc | acctttccac | 1810260 |
| atatccagat  | tatgccggat  | attctgtagt  | tgagaggggt  | tcacaccttc | ttccagttcc | 1810320 |
| agtccgacaa  | ttcccaaattg | caaacgggtga | ggattggcac  | gaagccagtt | tgaagcgtca | 1810380 |
| cgctgccgtc  | ctttttcctt  | gaactgacat  | gagtatatatt | ccttatgtcc | gcgacaaaaa | 1810440 |
| tcgtattcct  | tccaggcatc  | ttccggctta  | tatccgtccg  | gattagcaaa | gctatgccat | 1810500 |
| ccccactgac  | tctgctgacc  | caacgggaca  | ccgtttttat  | agacctctgg | aaaagtttgc | 1810560 |
| aatccgggtta | tatccgttgt  | aaaagcaaac  | tcaccattac  | ctacagataa | agatgcaaga | 1810620 |
| gaatctactg  | ccgtcacaga  | aggattgtta  | cgggtaacta  | gcttataacg | atcaatgggt | 1810680 |
| tcctgctttt  | ctacactaca  | tgctgtaaaa  | gtcagggctg  | ccactaaata | aatcagttgt | 1810740 |
| ttcatgaatt  | ttaattactt  | cttgaaatta  | atatgcaata  | cctcggtaaa | tttttaccga | 1810800 |
| taaattaaaa  | ttaaactatg  | aatcggcata  | atccggttca  | aaattatatt | caagagatca | 1810860 |
| ttgaaatact  | gtcaagaata  | aatcgtcaag  | gagtaagaaa  | agggatgaaa | aagatatgct | 1810920 |
| aaacagctga  | aaatcaacag  | aaaaagtatt  | tcataattca  | ctgattttta | gtaaattaga | 1810980 |
| agtacttcac  | cacttttaat  | tatgactaaa  | gaatcactcc  | ttatgcaata | ccaatccgag | 1811040 |
| tgagaaaacg  | ctctcgaatc  | agctgtaaat  | ataagcaaat  | cttttcagaa | agtattcatg | 1811100 |
| gatgcaatga  | aattattcat  | ggctatacct  | gaccgcatca  | atttcctaca | aatgggacgg | 1811160 |
| tatggatgtt  | tctcggaaca  | gacataccgc  | aacaattttg  | agaacgacgg | ctttgactgg | 1811220 |
| ttttccttca  | atgaagccat  | catcaggga   | caccttaaa   | gtggtcgcaa | ggcgatagcc | 1811280 |
| gttgatccgt  | ctttcattcc  | aaaatcaggc  | agcaaaacgc  | cgtggattgg | ctatttctgg | 1811340 |
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| gttgacaacc  | atgaatgtat  | gactttgggc  | tctgtacaga  | cacctgacaa | cgcaacgctg | 1811460 |
| gaaagctgtg  | agaagaatct  | tgttgactgg  | tacagctctt  | accttatcag | catacaggaa | 1811520 |
| cagctgaaac  | gtatttctgg  | cacagtcgtg  | tgtgatgcgt  | tcttttcaaa | ggcaactttc | 1811580 |
| atcaaaccat  | tgtacgataa  | cggtttccac  | gtaataagcc  | gtttcaggaa | tgatgccgta | 1811640 |
| ttgttttatc  | ccaccttaga  | aaataggaca  | ggaaaacgcg  | gacgtccaaa | attacatgac | 1811700 |
| gagaaaattg  | actttgaaaa  | tctggacatc  | acaagatgta  | ccgagtacaa | agtgaacaag | 1811760 |
| ggtaaacctt  | acggactgaa  | agcatactcc  | aaagcactca  | aacgctttgt | gagcctggct | 1811820 |

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| gtatggtacc  | ccatggatgg | aagaacggac  | aaatggcagc  | tgtattttctc | tacaaacgaa  | 1811880 |
| atacagaacg  | cacaggatgt | cctggacttt  | tacagaacac  | gtttccaact  | cgaattctgc  | 1811940 |
| tttcgggatg  | ccaagcaaca | tgccggaata  | gcaaactgtc  | agtctacaga  | cttcaggaaa  | 1812000 |
| ctggcattcc  | actttaatgc | atcacttgca  | gcgataaacc  | tcgccaaggc  | tgcttctaag  | 1812060 |
| aagatgggaa  | taaaatattc | catatcatca  | tgcaagtcag  | tcatacacia  | tgcttacatg  | 1812120 |
| cttgaacgat  | ttattttgct | gtctgggatt  | gaaccaaaca  | cgcaattaat  | tgacaaactt  | 1812180 |
| ttcaaagaac  | tcattttatt | tactgccaga  | gccgcttagg  | ctgggctaata | ttttaacgaa  | 1812240 |
| ctattgaata  | tgtagaacgt | taattaatag  | tccattttatg | tacattgcca  | atataaaaaca | 1812300 |
| tataaacaac  | acatcacatg | gaataatgta  | cactctaata  | gaaaaagata  | caaatgcaca  | 1812360 |
| aaatttgcac  | tcttcccgat | aaaaatttca  | ttccagtcac  | ctggctattc  | tatcaaacta  | 1812420 |
| ttcatataca  | tttctatatt | cgtgtaatat  | ctgttaagt   | taaaagagga  | agcatcacct  | 1812480 |
| gcactcttgc  | gatttaaatt | gtgctccttt  | tcccacttat  | cgggcatacc  | gtcattatcg  | 1812540 |
| ctatcgcgta  | aagaagtcac | tttttgcaac  | tcaggccatc  | ctccagcttg  | agcagggtga  | 1812600 |
| tcaatgaatc  | cattatttcc | atatggcgaa  | acaccacgtc  | ttatctgact  | gataatttca  | 1812660 |
| ttgtcataat  | catcacgtac | caaaactacg  | cctgcctgct  | ccagaacttt  | acaatatgct  | 1812720 |
| tcttgaggag  | tatcttccat | aataggctca  | taggcaaaag  | gacatttagc  | caaacaagca  | 1812780 |
| agtgaatctt  | ttccaaaaac | accttttctg  | ttatcttctg  | aaacagtggg  | attcccctct  | 1812840 |
| aaaatattcc  | cgcttacata | atattttacca | gtaccatcct  | ccgctacgtc  | cagcaattta  | 1812900 |
| ttaggacact  | gggttccagg | tcctggctta  | taataattgg  | caaccatatt  | gatctcgcca  | 1812960 |
| aaatgtcccc  | caccataagc | agctttaaac  | ccccagttga  | atacaacatt  | attacgaaaa  | 1813020 |
| tcgaccattt  | tggtactgtc | taccgacgaa  | aatcttggat  | tacggctgga  | atgggttagcc | 1813080 |
| aaaagattat  | gatgaaacgt | agctttataa  | cctccccata  | ttcctccaaa  | gccatgacat  | 1813140 |
| cccttagtat  | gaacagaaca | agtaaggctc  | tgattaatca  | tacaccactg  | taccgtaaga  | 1813200 |
| ttttttgttt  | tataaatcga | caaacattca  | tcaatcgacc  | agcttgaagt  | taaatgatct  | 1813260 |
| aatattacat  | gatgctgtcc | atagcgtcct  | cctcctatac  | catcagcatc  | tgttttatat  | 1813320 |
| ttatcaccaa  | cccgaaccct | aatataacga  | ataataactt  | cacttgcatc  | aacaatcaaa  | 1813380 |
| gggttatcct  | tcagacagat | tccgtctccc  | ggtgcagtct  | gtcctgcaat  | cgtaatactg  | 1813440 |
| tcattggttaa | tacgtaaagg | agtcttcagt  | tcgattgtac  | caccacatc   | aaaaacaaca  | 1813500 |
| gtccttgctc  | catactgttc | gactgcttcc  | cgaagactac  | ctttaccgga  | atcattcaga  | 1813560 |
| ttggtaactt  | taataacctt | tcctcctctt  | cctcctacag  | tatatattacc | ataaccttct  | 1813620 |
| gctcctggaa  | aagccagatt | ctgtgattga  | acatagacaa  | atatgcccaa  | caggcaaaac  | 1813680 |
| aggaaaccta  | ccctttttta | atacatatcc  | ataatcacat  | tgttaaatca  | aacaaaacgt  | 1813740 |
| aaaaaggcaa  | gataggaatg | cattcccaat  | cctgcctttt  | tcaaacttta  | ttttatagta  | 1813800 |
| ttaataacaa  | ggatgttgtt | gaccagccaa  | tcctggattt  | acatcaataa  | tacttggtgt  | 1813860 |
| actgaatggc  | aatatttcaa | ccatattttt  | ttgtaatcca  | taaaacattc  | tggttataaa  | 1813920 |
| tgtattatct  | tcatatacat | tagaatctac  | atacaaccct  | cctttacttt  | taatgggatg  | 1813980 |
| acagccaaac  | atatttagaa | tggtataagt  | aacaggagtc  | agtttcggtc  | cagaaggagc  | 1814040 |
| tgaattttta  | gagaaataaa | cattaccagc  | ttcgtcttca  | taaaattctt  | tttcaaggaa  | 1814100 |
| acctccattt  | acgttatcat | tcaatatatt  | cagtttatca  | atttcatcgg  | cagtaagccc  | 1814160 |
| cattgtctta  | aaatcactct | ctttaatagt  | aatatacggc  | aatgcaatag  | taggatcctg  | 1814220 |
| ataaacagct  | gtacctccct | tataagcacg  | gtatacatct  | acattggcat  | atttaccttc  | 1814280 |
| ccgatttgcc  | agctgataca | atttttcttt  | ttctgcagta  | agctgttcat  | acaagatacc  | 1814340 |
| ccaacgtgtc  | aaatctgttt | tacgaagaga  | ctcatgagaa  | agttccagct  | tacgttcttg  | 1814400 |
| tattatcgca  | tttttaaatc | cttcataatc  | ggacgggtatc | gtaccaatct  | ttgcttcatc  | 1814460 |
| attttttaaat | gcgcgcatac | gtacctgctt  | aaatgcatct  | attgcatctg  | cagtaggagc  | 1814520 |
| attattcaac  | tcattcaaag | cctctgcata  | catcagcaat  | acatcagaat  | aacgcagcaa  | 1814580 |
| cggaagttt   | atatcacgcc | ggctgtcaga  | agttcctctg  | tttttacacc  | agttgatgcg  | 1814640 |
| atacttacca  | actccagcac | ctatataagt  | attcatctga  | tatgtaccgt  | ctgtatacaa  | 1814700 |

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| accataatta  | caaattggaaa | catcacgacg  | ctgatcacct  | tcatcaaatt | caaaatagaa | 1814760 |
| tgtaggcatt  | actatcattt  | gtgcaccacc  | tttaccgaaa  | gtaccaccag | agccactggt | 1814820 |
| cggaatacca  | tttacataac  | ccgtacgtac  | atcagaagaa  | tttgctccat | accatccata | 1814880 |
| ttctaacatt  | gtttctttat  | tgtacttctt  | tgtacataaa  | tcacgaaaga | cttcgtcgta | 1814940 |
| attatctaata | aatccatttt  | catttttgac  | aataactgcc  | ttacatgcat | cagctgcaat | 1815000 |
| ctgatacagt  | tcacgaattc  | gagctttatc  | ttcacgttgc  | gcaatgcgaa | ctgtagatgc | 1815060 |
| attataagga  | acagtactca  | aatcccagcg  | caaagaatat  | cctgcagcat | acagagctac | 1815120 |
| acgagccaaa  | ataccataag  | cagaattttt  | agtaaaacgc  | tctggagttg | ataccatgcc | 1815180 |
| ttcactctgc  | caaggttaata | attcaacagc  | tcgctgcaaa  | tctctgacac | aatgatcata | 1815240 |
| aattgtatca  | cgacttactc  | gtgaagaaga  | gaatgtcgtc  | aaatcggatg | ttggtatttc | 1815300 |
| agtatatgga  | acatcaccat  | aaaaacgtac  | gatattccaa  | tatgcatatg | ctctgatagc | 1815360 |
| caaggcctcc  | cccaataatg  | aattcaattt  | gggctgctca  | ctttccgaaa | ctttcatcaa | 1815420 |
| aggaatatcc  | tttatacaaa  | cattttgtata | ttcaatggcc  | ttatacatgc | cattgtacgt | 1815480 |
| accactcagc  | atagaagacg  | tagaagtata  | atcgtaatta  | gaaatattat | atttggaatt | 1815540 |
| tgtttctgaa  | gaactagcct  | catcggtacc  | ttccagcaac  | tgatatccca | gttcctgggt | 1815600 |
| gtgaatatcc  | ggatatgcac  | ctacaacagc  | cattttctgca | cgtcctacag | tttcgaaaac | 1815660 |
| agaagaacta  | tcagccttcg  | attctgaagg  | catgtctaac  | caatcttgac | aggaagcaca | 1815720 |
| tgtaaacaat  | aataccgata  | cgcctacaat  | atttattatc  | tttttcataa | ttatcattaa | 1815780 |
| ttgcaattag  | aatgttaaat  | ttacaccaat  | aaccagctc   | ttagaacgtg | gataagaaga | 1815840 |
| attatcaata  | cctggagtca  | atgcgccact  | ttcagccgaa  | acttcagggg | catagccact | 1815900 |
| atatcccgtg  | atggtagcaa  | tattattcaa  | tgtacaataa  | actctcgcat | tacttaattt | 1815960 |
| caaattctga  | atccaatttt  | tagggaaagt  | gtaacccaat  | gttatcgtac | tgaaacgcaa | 1816020 |
| ataagaacca  | tcctctatat  | aataactgct  | atgatcactg  | atagctgttt | tattattttt | 1816080 |
| agatatattc  | cacatgatgt  | cattaccata  | ttgtccctga  | tttaattcag | ccaatcgtac | 1816140 |
| caaattccata | gtttccctac  | cggtagatgg  | atcaatcaat  | gtgaagcgat | tgttcattat | 1816200 |
| tgccaaagag  | ttctgatttg  | ataaatatgg  | gccgataaag  | cgctgagtac | tcatattgaa | 1816260 |
| tacatcattt  | ccaaatgaga  | aattcataaa  | tacagataaa  | tcaaaaccct | tatatctgaa | 1816320 |
| tgtattgttc  | ataccaccag  | taaacttagg  | tgcagcatta  | cctatcactg | tacgatcggt | 1816380 |
| tgtagaccag  | actggattgc  | cgttttcatc  | aacctccctt  | gtctgaggaa | catatttagc | 1816440 |
| atcacccggc  | tttaccatgg  | aacggtcgaa  | accttttaaa  | gaaggaactc | cgtctttcaa | 1816500 |
| cttatacgtg  | ccatctgaca  | attgagtaaa  | gtcatctgtc  | gtatagattc | catcataaac | 1816560 |
| taatccatag  | aattgtccca  | atggctttcc  | aacctcaatt  | ttatatccca | tacggctttc | 1816620 |
| ataatcctga  | atgaagtaat  | tagtttcttc  | atttccataa  | agttcaagta | cttttgaacg | 1816680 |
| attgaaaagc  | atattaaaat  | ctgtattcca  | agtaaaatct  | tttgtagcaa | tatttggtgt | 1816740 |
| attcaacacc  | aattctacac  | cacgattccg  | aattgtctca  | atattctgat | actggctcgt | 1816800 |
| ataacctgta  | gaagttggta  | ttttattctt  | aatcaaaaaga | tttgaagatt | cattattata | 1816860 |
| gaaatcaact  | gacaaattta  | cacggcttcc  | aagtacggaa  | acatcaagac | caacgtttgt | 1816920 |
| tgttgtgtgc  | ttctcccatt  | tcaaattaga  | attacccaac  | gtagttcctg | gtacataagt | 1816980 |
| gatatatgta  | cttccattaa  | ttccataatg  | accagatccg  | taactttag  | catacatatt | 1817040 |
| attatcgata  | ttattgttac  | ctgcagttcc  | ataaccaata  | cgaagtttca | agttatccag | 1817100 |
| gaaatctaca  | tcttccaaaa  | atgcttcttc  | agaaatacgc  | catgcagctg | atgctgacgg | 1817160 |
| gaagattccc  | cactgattgc  | cctttgcaaa  | tttagaagag  | ccatcggcac | gtaaagttcc | 1817220 |
| agtaaaataa  | tagcgttctt  | tatagttata  | agagagacga  | ccaaacacag | agactaaacc | 1817280 |
| ttcacgactt  | ttaccagatt  | tccatgtata  | aggttcaccc  | atacttacat | cgttcaatcc | 1817340 |
| aaaattacca  | tcagtaaatt  | tatgggtactc | attatccaag  | ttcattgact | ctgtatacca | 1817400 |
| ggtttcctgt  | cctaacaata  | cgttaaaatc  | atgagcatga  | tcatctaagc | tgaaagcata | 1817460 |
| atttaaatgta | ttggtcacct  | gccatgaata  | tttttcatca  | ttattgcat  | aaccgtagcc | 1817520 |
| atagggactc  | tgattggcat  | cagcctgacg  | agtagaacca  | ttatcccaat | aatcctcacg | 1817580 |

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| tacctgctgc  | cacatgtagc | tggctgcagt  | acgccatgtc | aaattcttca | tgatgtcaat  | 1817640 |
| ttctatacct  | gcgtttacag | tagcaaaacg  | agtatatctc | tcctgatcaa | ttgcctcatt  | 1817700 |
| atccaataac  | gggttattga | tatcataatt  | atcagcaccg | ggcatatcag | aatacgcacg  | 1817760 |
| cgacaaatct  | tcgctaagca | tttgttcatt  | agtaaactgt | acacctcctg | tcacaggctg  | 1817820 |
| tagaatagtt  | tgtttcaact | tacctcccaa  | actaccacca | ccttcaactt | tagtcatctg  | 1817880 |
| aagagtagaa  | gaaaaatcaa | aacgaacccc  | cttcataat  | tcattgattt | ccttagcacg  | 1817940 |
| tatactgttc  | ttctgataat | catgttttgc  | cataatacca | ttttcatctg | tataattata  | 1818000 |
| gctaatacatg | tactttgttt | tttcagttcc  | ccccgtaata | ttcacattat | gattttgtgt  | 1818060 |
| aatacctgta  | gaacccaaaa | cttcgtcctg  | ccagtcaata | ccttcacgac | tcgctgaatc  | 1818120 |
| attatgaatg  | cggctatatg | ctccagtata  | gaaatctgca | tcgtttatat | taccacccaaa | 1818180 |
| caaattggca  | aaactactct | gattacttctg | caataactgg | aactcatact | gatattttac  | 1818240 |
| ataatcttct  | actcccagca | agtccaattt  | ttttcctaaa | tgatcaaaac | ttacaaaacc  | 1818300 |
| attgtaagag  | acttcagtct | taccagattt  | ccctgatttt | gtcgtaatca | aaataacacc  | 1818360 |
| gttagaacca  | cgagcaccat | aaatagcagt  | agctgacgca | tctttcataa | catcgatact  | 1818420 |
| ttcaatatca  | ttaatatcga | cattctgcaa  | gccattttcc | atctggaaac | catcgacgat  | 1818480 |
| atacaaaagg  | tgagtgcctt | gcgtaataga  | tgttccacca | cgaaccgtaa | tattaatttc  | 1818540 |
| agcaccagga  | gcaccacttt | ggtgaacaat  | gttcaactcc | gcagctttac | cggccaaagc  | 1818600 |
| ttgtgcagct  | gtacttactg | gcgacatctt  | caaatcattt | gccccaacag | aaactgaaga  | 1818660 |
| acctgtcagc  | tccttacgtt | ttactttcgc  | ataccgatt  | gctacaactt | cttcacgcat  | 1818720 |
| ctggctgctt  | tcctttaatg | ttacattaat  | agtagtacgg | cctttgatgg | ctatactttg  | 1818780 |
| tgtttcataa  | ccgatataag | aaaaagtcaa  | ttccttagcc | gaaataggca | cagacaatgt  | 1818840 |
| ataattacca  | tccatatctg | taatagtgcc  | tatagaggcc | tgacctttca | ctgtaacaga  | 1818900 |
| agctccgata  | acaatatcat | tagcatcctt  | tacagtaccg | gtaattgttc | tgttctgagc  | 1818960 |
| aagaacattc  | gacgaaaaac | ttattaacag  | aataattaat | aagtaaaaaa | atTTTTgtac  | 1819020 |
| gcttttcata  | gttgattagt | tatacataaa  | tcaatgatta | gttaaatttt | taagcatcac  | 1819080 |
| aaatgtataa  | tatcaactac | tatcacccaa  | tataaaataa | tacaattcca | tagaatatcg  | 1819140 |
| tacatgtaac  | tattttctca | tgtactaaca  | aaaataacat | gtaagatttg | tactaaaatg  | 1819200 |
| tagaaatctc  | cccccaaata | tcctatagta  | gaaatataga | aataaaataa | ctactattaa  | 1819260 |
| caagacaggg  | actaatagct | aataatacaa  | taagctacat | atcaaaaagg | aaacatatat  | 1819320 |
| tcagtcaagt  | aaaaaatatt | tatgtaacaa  | aaaaaactga | gcacacttct | cagtgtgctc  | 1819380 |
| agaccatacc  | agaaaaatct | atccttattt  | tactaacagc | tctatttttt | catcttcttg  | 1819440 |
| atcaacgttt  | gtacaataat | aaaattcagc  | atcttttctt | gcactaatat | gtatatgttt  | 1819500 |
| caaagtaatc  | ccatcaatag | gcatttctgg  | gattccatta | aaatacatgg | ccctacgtgc  | 1819560 |
| attcgagcat  | gtaagatact | ctatatgaat  | tttacgaaaa | caaggagtcg | tctcgtctac  | 1819620 |
| tggtcatagga | tttactttta | caggtattac  | ttcaccactt | tccaagacct | caacagccga  | 1819680 |
| ttttcctcca  | tagtaaagat | taaaggttat  | aggctcagtc | ggaatatcaa | tcattgaaat  | 1819740 |
| attacgaatc  | catatatctt | ctacaactcc  | accacgacct | cgttttgctt | taaaacgtac  | 1819800 |
| tcccacgtcc  | gttcccaaga | actgacaatt  | acttacagaa | atattccgta | tgcttccact  | 1819860 |
| catttcactt  | cctactacaa | aacctccatg  | tcctttgtat | accgtacatc | catcgactat  | 1819920 |
| tacattttca  | caagtacggg | cacgacgacg  | tccatcttca | tcttttccac | ttttcaagca  | 1819980 |
| aatgccatca  | tctccgacat | caaatgaaga  | gtttactatt | aaagcatttt | tacaggattc  | 1820040 |
| taaatccagt  | ccatcacctg | tttgagcata  | actcgatttc | cgaactgcta | cattttctac  | 1820100 |
| cagaacattc  | tcacacatca | aaggatgaag  | attccatgcc | ggagaatttt | ggaaaatgac  | 1820160 |
| tccttccaac  | catacgtttt | tacattctat  | aaaactaacc | ataaccggac | gcaggaaatg  | 1820220 |
| ccgtacactc  | tgccactctt | cttctgtctt  | cagattttgc | ggaacattca | tattgctaata | 1820280 |
| agtatcccct  | tttaatgttt | cgggataagg  | gaaccaataa | tcaggacgct | tatacacacc  | 1820340 |
| tcctcgggaa  | gtagccgctt | tccattgccc  | ttctgtaact | ttttgtcttt | tcaacggacg  | 1820400 |
| ccagtaatga  | ccatttccat | caatcactcc  | ttgacctgtt | atggctacat | ttaccagatt  | 1820460 |

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| tcgtccagat  | ataggtgact | ggcaacgccg | ggtatccagt  | ccttcgaata  | cagtttctac  | 1820520 |
| caacggatat  | aaatcaacat | cgggagaaaa | taaaataata  | gcttcctttt  | ctacatgcaa  | 1820580 |
| attgatattg  | ctcttcaata | caatagggcc | tgtaaaccac  | acacctgccg  | gaactaccag  | 1820640 |
| ttttccacct  | ccttttttat | ctaaagcatc | aatagcctta  | gcaaaagatt  | ctgtacaaag  | 1820700 |
| atgcacgcca  | tcgccttccg | caccaaaatc | tttcagattc  | atttcattat  | caggaaaaga  | 1820760 |
| cggagccttt  | acacgaggca | tttcaaattg | taaatcttta  | taaagatact  | catattttata | 1820820 |
| tggtcctctt  | gccagcaaca | cattcatagc | cagccacaca  | caagataaaa  | atacaattac  | 1820880 |
| tcttttcatt  | tttcactcat | tcttttaata | tcctaattgc  | aaacatccca  | tgatataagg  | 1820940 |
| accggttgcc  | tttgctcgtt | tatcacgcat | tttctctcct  | atataatatt  | caaaactttc  | 1821000 |
| gtcacggtat  | ggattacctc | ccaaacctcc | tacctgacag  | cagcgagtca  | aggtcaaagt  | 1821060 |
| gccatcagca  | ttttcacgca | tcaatttgct | attcagtcct  | ttaaaagcct  | tttccgctac  | 1821120 |
| cggccgatac  | tttttgtaaa | tgtatccttt | atttacagcc  | ttagcgtatg  | catacataca  | 1821180 |
| ctgactcgtg  | acagaagctt | cgggaagtt  | tcccacacgt  | ttaggttggt  | caataacctg  | 1821240 |
| ataccataag  | ccattcttgt | cctgatactt | tggaagcgtt  | tcagcaagtc  | cctgaaccca  | 1821300 |
| ctcgatcata  | tctgcccgcc | cgggatgatt | ctcaggaata  | taatcgagag  | catctacaag  | 1821360 |
| agccataaac  | caccagccaa | tgctgctgcc | ccagaaatta  | ggtgaatgtc  | ctgtttcagg  | 1821420 |
| atcgggcccaa | cgttgagatt | tactttcatc | ccaggcatga  | taataacaatc | cagtccgagc  | 1821480 |
| atcatacgta  | tactcatggc | aaagtctgaa | ctgtttttatt | gcttcatcaa  | tcaaattccg  | 1821540 |
| gcgattaaat  | tccgctccat | attgagcaag | aaaaggagaa  | gccatataca  | aaccatccaa  | 1821600 |
| ccacatctga  | tgctgataga | caagtttatg | ccaaaatcca  | ccttttaaaag | tacgaggggtg | 1821660 |
| acgttccagt  | tgcttaacca | acacgtccat | cgctttctta  | tatttaacat  | catgtgtttc  | 1821720 |
| acgataaaga  | tcgaataata | cttttcccg  | attgataaaa  | tcaagattat  | aggcagacat  | 1821780 |
| atcataattta | tagatctctc | ccttatcatt | gataatcgta  | tcgccccact  | ctttcacata  | 1821840 |
| atcaaagtaa  | cgtttgctac | cggtagtttt | ccacatgtca  | agcatcgcac  | agcatcctac  | 1821900 |
| accctgggca  | taccgaaga  | aaaggcgttt | accatgatcc  | agctgccatg  | cctgaggaaa  | 1821960 |
| acggcgtatc  | tctgaatcgg | caaatttccg | cgaagccttt  | tcgggagcaa  | agcaatcggg  | 1822020 |
| acggaaaggc  | actgcaggtg | tacctgtccc | attacaaaga  | tttaccgga   | agaaagttcc  | 1822080 |
| ccaaccatat  | ctcacagcaa | taggatgcat | cactttatct  | gaagtaagct  | ccagcttatt  | 1822140 |
| ccctttttata | acagcctgtg | ctggataaaa | acgttcatct  | tctccggata  | tgaaaaagcc  | 1822200 |
| ttttacatca  | cctccatcaa | aagttttcaa | gccaccatct  | gtataatcga  | agttcagcac  | 1822260 |
| aactttatta  | ccactaatct | tcatcttttt | atatacagg   | cccgaataag  | ttacttttct  | 1822320 |
| accatattgt  | ttagctaaag | cccatgcagc | taaacgttcg  | cctgccacac  | gtttgttacg  | 1822380 |
| cggatgaata  | tccgtcgaat | cggctgcac  | taccacaaca  | gccattccta  | catttttcag  | 1822440 |
| tccgctctca  | cgcaagtct  | tcaactgtgc | ttcgcgaatc  | tcagccggct  | gtctgtagt   | 1822500 |
| aggagctatc  | tgcataaaat | agaaaggcat | gtctgattgc  | ccccaccgtt  | cacgccagga  | 1822560 |
| atttatcata  | ttagtgaaaa | cctgctgata | tttttcagca  | cgaatagaat  | tggaactctcc | 1822620 |
| ctgataccag  | atgtttcctc | ttaccgtata | ccgggcaata  | ggagctatca  | ttccgtttcca | 1822680 |
| aagagtagaa  | ggtactttac | aatagtcttt | attacgtttt  | atattttttca | aagcaaactg  | 1822740 |
| ctgaaggaca  | tcactatata | aagtatcatc | tttcattact  | tccatagaag  | tccacgattc  | 1822800 |
| agcatgtgta  | cctccccacg | tagactgaat | caaccgcaca  | ggtactctca  | gttcgtttata | 1822860 |
| cagcttctta  | ccaaatacaa | accctacagc | agaaaagtca  | cgtatatttt  | cgggagagca  | 1822920 |
| gacaacccat  | ttaccaatac | agtcactctg | ttctttctcg  | tgtgctaact  | gatgctctac  | 1822980 |
| atgaaacaaa  | cgtatttcgg | gataatctgc | atctttcatt  | tcttccattt  | catccgacat  | 1823040 |
| tccagtcttc  | cacttgactt | ttggatcatg | ggctacagga  | aattccatat  | tcgactgccc  | 1823100 |
| tgtacatagc  | catacttcac | ccaccaatac | attccgaatt  | acaatcacat  | tttttccctt  | 1823160 |
| aatcgtaaaa  | aaatgatttt | ctgatgcttc | cgggtgagtt  | acatatattt  | tccaacgtcc  | 1823220 |
| atcttctccc  | gctgcagtac | tactgacatt | ttgtttattc  | catgaaggta  | tcactgatat  | 1823280 |
| gttttcaccc  | ggattggctt | ttccccatat | acaaactttg  | gttcgtgcct  | gcaaaaccat  | 1823340 |

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|             |            |             |             |             |             |         |
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| attgtcagaa  | ataatagatg | ggagagtcac  | tttagcttca  | agcgaagaaa  | ctcccaacaa  | 1823400 |
| agctcccatg  | catagacaat | agaatttttt  | cttcattgtg  | tttttaatat  | ttattttatta | 1823460 |
| ttagatatag  | aacaaatgca | aatataaagt  | ctgaatatac  | atctctccat  | ataaaaatagt | 1823520 |
| acgtttacat  | ggaaacaagt | tcacagacac  | aaaatggttt  | atcgcccaca  | caaataatat  | 1823580 |
| gcatttttta  | tagaatgtca | atacattcta  | cctttattct  | ataaccttca  | cacaacgtat  | 1823640 |
| aagataagca  | ttagatcgtc | tatctacagc  | ttgtcctagt  | tcactattta  | aaagaaacct  | 1823700 |
| tcacattttt  | gtatccatat | agaaaacaaa  | ataaaaaaca  | tccatattgg  | tagccaatcc  | 1823760 |
| tctacttcta  | gcactatata | cttgccgcat  | agtctattca  | ttgaagttta  | taaacaacct  | 1823820 |
| aaactttcac  | tataccaact | tcaatattcc  | tcaagtataa  | gtttatcgct  | atttactttt  | 1823880 |
| attcttcatt  | ccaatatatc | gaagagcata  | tatcttccgg  | agcaaggatc  | ataaatagat  | 1823940 |
| ttctttaaag  | gagaagggaa | agaaaatatc  | ttgtcattta  | caaatagaagt | aataacttgt  | 1824000 |
| agaaactatt  | gataacattt | gaaatgtccg  | ataaaagaca  | aaatatgaat  | aataaaaaaa  | 1824060 |
| gtcgctttgg  | caatcagcca | aaaacgactt  | tcctctataa  | taatagatac  | attctctcag  | 1824120 |
| aactggaaaa  | tggcagtaaa | gacaaatcga  | tgattcatga  | ccgaatgaga  | acttatagcc  | 1824180 |
| tttgccttgg  | cattaaaatc | atctccatac  | caggcattac  | acaaagaata  | ttctgcacca  | 1824240 |
| aattttccaat | gaggaatggt | ataagtcagt  | tcggctgtac  | ctgtaaacia  | ctgggtcgagc | 1824300 |
| ttgggtccctg | tacccaaagt | gccgtaagcc  | acttctttcg  | acgctcccaa  | gtttttcaga  | 1824360 |
| taaccgaaga  | aaagagccgg | acgccatttc  | tttcataaag  | caacattttac | ccatgtagaa  | 1824420 |
| gaaactcgca  | acggggcata | ttgctgtttt  | cctgtatttt  | catcgatact  | gacgatacca  | 1824480 |
| tatccgccta  | cggtagtcgt | ctgagtaagg  | ttagtacca   | gtacagtctt  | tccagacacc  | 1824540 |
| agccagtcac  | tgtgagtata | tttcacatga  | gcctctcccg  | aaacaccggt  | tacacgttca  | 1824600 |
| ttgacaaaagt | aagttgcatc | agtcatttcc  | gactgcgtac  | gaggggtaat  | ggaactaacg  | 1824660 |
| tgcacacccg  | ctccagcaat | cagtcccggg  | cgttttagtg  | ccatacctaa  | atagaactcc  | 1824720 |
| gggacacaac  | ttttctttat | aaactcctga  | ctcttctgcg  | tacctgtttc  | accaggaaga  | 1824780 |
| ttcgttttcg  | gacctaccga | caagtattgc  | gactgccata  | cagcggcagc  | tgtaagcata  | 1824840 |
| aagtttctgg  | aagtaaaacg | ataccggatc  | tgagggtgcac | ggctgaacgg  | ctgataaggt  | 1824900 |
| gctcccatat  | tcagattcaa | tatttcagga  | gcgacatcgc  | cgtacagcgg  | atgccacgtc  | 1824960 |
| tgtcctacca  | ataaagcaga | tttccccag   | tcgaggttaa  | agtagacatg  | acgaatacga  | 1825020 |
| aacaatgaat  | aggttgtacc | cgatcctcga  | aaatcgactt  | caacctttgc  | ggatgtcttg  | 1825080 |
| gcttttccta  | gcataggacc | tgctacatcg  | acaccagac   | gtgtatacaa  | cgtataaaaa  | 1825140 |
| ttaccatttc  | ctactccgtt | taaatcatgc  | ccgttcggat  | ccttcacttc  | atccagtggg  | 1825200 |
| tacatatata  | acaatccgtc | tacagtttcg  | gagtttagacc | gggtattata  | aaataaatca  | 1825260 |
| gtacgtactt  | gaccataaaa | cttatagtca  | aatcctttct  | tctgagcaaa  | caaactcacc  | 1825320 |
| gaaactccga  | cgagcaaggc | gagtgaacg   | aatacttttt  | tcattactaa  | taaatattat  | 1825380 |
| aatcagaaat  | aaaaacccaa | tcctatcttg  | aaaccagct   | tactatactc  | cgaacaattt  | 1825440 |
| gaaaaactca  | aatcgtaata | gacagccggt  | tctacggtaa  | tcgtcccgtt  | caggaaaaaa  | 1825500 |
| gcatagccca  | gttcaggggt | caagcagact  | aaatcctttc  | gattcacact  | attcgataaa  | 1825560 |
| tgtttatag   | ccagtcctaa | tcctccatac  | aaaccgcaac  | tcgacaaata  | atatcttgct  | 1825620 |
| ccagctccta  | cactggtttc | atccatacca  | ttttctacat  | attcaccctt  | gaaattttacc | 1825680 |
| agaatggata  | gattatccaa | gacaaaagta  | cccgtagcga  | cttgaaatcc  | gaaattgggt  | 1825740 |
| ccttcatact  | tgctatgaga | aagatctaata | cctgtaagg   | aagtattcag  | ataccatttc  | 1825800 |
| ccttcttcaa  | actgtgcatg | ggcaacatta  | aaacagctta  | tcaataaaaat | aaatgctaata | 1825860 |
| agaaaatttcc | ttgccataat | attaaaaaaa  | cattgatag   | cgcaaaaagta | acaaaaaaac  | 1825920 |
| actatgaaaa  | ataatccttc | atcgtttttc  | accactttat  | cactcttaca  | gaaaactttt  | 1825980 |
| cctgaaacag  | aaagaatgtc | ttgaccgtag  | aaaaagttct  | cgtttcgaat  | ctaataatct  | 1826040 |
| tttcttctcg  | gcaagacatt | ttttctctga  | tttctccaga  | cacatgtcgg  | ccgttcgttc  | 1826100 |
| agcctaaacg  | ggccaaaaca | ttgttccact  | ttatcggaga  | tatgactttt  | ttactttccg  | 1826160 |
| ataccacaat  | acaaaccagc | ctatcgcaat  | caaaacacag  | acgatgccta  | acgaataagc  | 1826220 |

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|            |             |             |            |             |            |         |
|------------|-------------|-------------|------------|-------------|------------|---------|
| tattgaagca | ggcaacgaaa  | gcccttcg    | agctatcaat | atataagtgg  | agcatacggc | 1826280 |
| tgtcatgaaa | agagccggta  | tcaatgtaac  | ccaataattc | ttcttttcat  | ataccagcca | 1826340 |
| cactgtgatt | gcccacaaag  | tgaaaacggc  | cagcgtctgg | ttgcaccacg  | caaaatatct | 1826400 |
| ccaaataatc | ttgaatcctt  | cagcatctcc  | aaagctatat | accagcaagc  | cgatagtaac | 1826460 |
| caagaatata | ggtatgcaga  | taagcaaacg  | gcggcgtata | ctacgctgtt  | ctacatggaa | 1826520 |
| gaaatcggcc | acaatcaaac  | gtgccgaacg  | caatgccgta | tctccactgg  | ttataggagc | 1826580 |
| tgccacaatt | ccaaggatgg  | ccagaattcc  | accgaaagtt | cccagccagt  | ctttcgaaat | 1826640 |
| atcggttgca | acttttgccc  | ccgaataggc  | gatacctgtt | gccttgctga  | caattccatt | 1826700 |
| ctcatggaa  | aagtaagtcg  | cagcagcagc  | ccatatcaaa | gcaacgattc  | cttcggttac | 1826760 |
| catggcacca | tagaaaaccg  | gacggcaatg  | cttttcggtg | gtaatgcata  | gtgccatcaa | 1826820 |
| tggagactgg | gtagcatgga  | aaccactgat  | cgctccgcac | gctatagaaa  | tgaacatcat | 1826880 |
| cgggaaaata | gggttacgct  | cgtatttcgt  | accaaataca | ttccaaattt  | cgggcaggtc | 1826940 |
| gggactcttt | acatacaaca  | tgaccaaata  | gccgaccgcc | ataaagagta  | aggcaaaagc | 1827000 |
| aaacaaggga | taaactttac  | ctataatctt  | atcaatgggc | atcatggtag  | ccaatatata | 1827060 |
| atataggaat | atcacaatta  | cccagaaata  | gacatccagc | gaattaggag  | tcatgcccg  | 1827120 |
| caacagctct | gccggtccag  | aaacgaatac  | agcaccaacc | aaaatcatca  | acagaaccgt | 1827180 |
| aaaaacacaa | gcaacccgac  | gtgtcctgcc  | acctaaatac | cgctcctatga | tctgaggcaa | 1827240 |
| actttcaccg | gaattgcgga  | gtgacaatgt  | ccctgccaga | aaatcgtgaa  | ctgcaccggc | 1827300 |
| aaatatgtt  | ccaaaaacaa  | tccaaagata  | agatgctgta | ccaaactgag  | ctcccataat | 1827360 |
| cgcacaaaaa | atcgggtccaa | gtcccgaat   | gttcaagaac | tgaatcataa  | atatcttcca | 1827420 |
| tgttggaaga | gggataaaat  | ccaccccatc  | ggcatgggtc | agcgcaggag  | tcttacgatt | 1827480 |
| cgggtcggga | gcaaacagct  | tattaatata  | acttccgtaa | atccaatagc  | caaccactaa | 1827540 |
| caaaatcaaa | gcaataactaa | atgttatcat  | aataaaaagt | atttaagtga  | gcgcaaaagt | 1827600 |
| aacaattaaa | aagaacatat  | tcgtatcttt  | gcaacattaa | aaaataaaaat | tatgtacaac | 1827660 |
| agacttattg | ctatctatat  | cttccttatc  | ggatttttca | cgcctggcct  | aacatattct | 1827720 |
| cagcccaaat | acgaaatacg  | agctacgtgg  | cttaccacat | taggaggttt  | ggactggcct | 1827780 |
| tcgcaaaaag | cgacttcggc  | caaagggtata | gaacgtcaga | aacaagaact  | ttgtgaaata | 1827840 |
| cttgatgcgc | tgaaacgtgc  | gaacttcaac  | acagtcttat | tacaaactcg  | attacgaggg | 1827900 |
| gatgtgattt | atccatccgc  | catcgaaccg  | ttcacggaat | cgctgaccgg  | acacgaagga | 1827960 |
| ggaaatccta | attatgacct  | gttaaagttc  | gccatagaag | aatgtcaccg  | gcgaggatat | 1828020 |
| gaactgcatg | catggattgt  | gactattccc  | ataggaaaca | ctcggcaagt  | caatctttta | 1828080 |
| ggaaaaaagt | caattaccaa  | aaaacaacca  | tccatctgta | agttatacaa  | agggacgtgg | 1828140 |
| tatctggacc | caggaaatcc  | acagactgac  | aattatctgg | caagtatcgt  | acacgaaatc | 1828200 |
| gtatcacggt | atgacataga  | cggtatccat  | ttagactaca | tccgttatcc  | ggaacgcgca | 1828260 |
| aaagattttc | ctgatcaaag  | tacctatcgc  | aaatatggta | aaaaagaaaa  | cctggaacaa | 1828320 |
| tggagaagga | ataatataac  | ccgtattgta  | cgtcgtatct | atgcagaaac  | aaaattgttg | 1828380 |
| aagccgtggg | ttaaagtaag  | cagttctcca  | gttgggaaat | acaacgatac  | gcggcgatac | 1828440 |
| ccttcgagag | gatggaatgc  | ttacgaagtg  | gtttaccaag | atgctcgcct  | ctggctgaaa | 1828500 |
| gaaggcattc | acgatgcctt  | gttccccatg  | atgtatttcc | aaggaaatca  | tttctatccg | 1828560 |
| tttgccttag | actggcagga  | aaataaaaaat | ggacgatgga | tcgttccggg  | actaggtatt | 1828620 |
| tatttttctc | atccacaaga  | acagaactgg  | cagctggatg | aggttatccg  | gcagattcat | 1828680 |
| tttctgcgca | acatccacat  | ggacggacaa  | gcctatttcc | gaaaccgttt  | cttggtgaac | 1828740 |
| aacaccaaa  | gtttgctgga  | cgaactgaaa  | gaatatTTTT | ataccagacc  | ttctgttggt | 1828800 |
| cctcctatga | cgtgggtaga  | cagcattgct  | ccttcagctc | ccacaaagcc  | gtatttcatg | 1828860 |
| ccactgacta | aaggagtcaa  | attgagttgg  | agtgttcgt  | cggacaacct  | gcctgcccct | 1828920 |
| gtatattatc | gggtttatgc  | atcaaacact  | tatccggtag | atatcaccca  | gccttccaac | 1828980 |
| ttaatagaag | tccgaaccga  | ttctaccagt  | tatatctttt | atcccgaagt  | gccatgggaa | 1829040 |
| gaacggattt | actgggctgt  | aacagccgta  | gaccgatgcg | gtaatgaaag  | tagtccgctg | 1829100 |

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| gaaatgaacc  | agccattcag  | tgtaagcctt  | gtaacaaaac | aagaaaaacg  | ataggacata | 1829160 |
| aacaaaaataa | tccgtacttt  | tgacattca   | aatgaacgaa | aaacaaacaa  | ctaatatctc | 1829220 |
| atgagtaatc  | aacgatacat  | gcagcgcggc  | gtttctgctt | caaaagaaga  | tgtacataac | 1829280 |
| gccattaaga  | acattgacaa  | aggtattttt  | ccaaaagctt | tctgcaaaat  | tattcctgat | 1829340 |
| attttaggag  | gagatccgga  | gtattgcaat  | atcatgcatg | ccgacggtgc  | cggaacaaaa | 1829400 |
| tcatcattgg  | cttatctgta  | ctggaaagaa  | acaggtgatt | tgtctgtatg  | gaaaggcatt | 1829460 |
| gcacaggatg  | cactgattat  | gaatattgac  | gatttactgt | gtgtgggagc  | tgtagataat | 1829520 |
| atattggtgt  | cttctacgat  | cggtcgtaat  | aagctgcttg | taccgggaga  | agtaatctct | 1829580 |
| gccattatca  | acggtacgga  | cgaactgctt  | gccgagcttc | gagaaatggg  | agtaggcgtt | 1829640 |
| tatgccactg  | gcggtgaaac  | agccgatgtg  | ggcgatttgg | ttcgtaccat  | catcgtcgac | 1829700 |
| agtacggtaa  | cttgccgtat  | gaaacgtgcc  | gatgtcatca | ataatgccaa  | cattcgtccg | 1829760 |
| ggcgatgtaa  | ttgtaggctt  | ggcttcttat  | ggtcaggcaa | cttacgagaa  | agaatacaac | 1829820 |
| ggcggtatgg  | gaagcaacgg  | tctgaccagc  | gcccgtcacg | atgtattcag  | caaatatctg | 1829880 |
| gcagagaaaat | atccggaaag  | ctatgatcat  | gctgtaccgg | aagaactggg  | ttacagcggt | 1829940 |
| aagctgaaaat | tgacggatgc  | catagaaggt  | tctccactgg | atgcgggcaa  | actggttctt | 1830000 |
| tctccgaccc  | gtacatacgc  | tccggtagta  | aagaaattat | tggatgccat  | gcgttctcag | 1830060 |
| attcacggaa  | tggttcaactg | ctcaggaggt  | gctcagacaa | aggtgctgca  | ctttgtaggc | 1830120 |
| gacaactgcc  | gtgtcatcaa  | agacaacctc  | ttccctgttc | ctcctttgtt  | ccgtaccatt | 1830180 |
| aaagagcaga  | gcggaaccga  | ctgggatgaa  | atgtataagg | tattcaacat  | gggacatcgt | 1830240 |
| ctggaagttt  | acttatcacc  | ggaacatgcc  | gcccggtta  | tcgaaatcag  | caagtcgttc | 1830300 |
| aacatcgatg  | cacaagttat  | cggacgcac   | gaagaaagtg | accacaagga  | actgattatc | 1830360 |
| cgttctgaat  | tccggagaatt | caaataataa  | cgaattaaaa | gacaagaagg  | ggcaggatat | 1830420 |
| atagcgaaacc | tgcttcactt  | gttctcttat  | tcttacgatt | atatgaaacc  | gcaagaaaaa | 1830480 |
| caaggatgtc  | ttatcggact  | cggattttctc | gttttatggt | ttgtcctttt  | atatcttagc | 1830540 |
| attgaatttg  | actctccttt  | tctaaaaatg  | ataagttttg | gacttccaat  | ttttgcttct | 1830600 |
| ttctttgttt  | ttggaaaata  | cttcggcttc  | aaagattttc | aatggaaagc  | caaaggggac | 1830660 |
| ttacctctca  | tcttgctcgg  | attcatattg  | ttgtttttct | ttacttggat  | agcctacggc | 1830720 |
| aaattatgat  | aaacaactaa  | cttttttaaa  | gacttcaata | taagcattcc  | actagaatgg | 1830780 |
| cagaaaaacaa | tacattatta  | gagaaactgg  | atggtctggt | atcacgtttt  | gaggaagttt | 1830840 |
| caaccttaat  | tacagacccg  | aacgtgatag  | ccgacaaaaa | acgatacgtc  | aaactgacca | 1830900 |
| aagaatacaa  | ggaattgggc  | gacctgatgg  | cggctcgcaa | ggaatacctt  | caatgcctca | 1830960 |
| acggactgga  | agaagccaaa  | atgatgatgg  | cagaaagcga | tccggagatg  | aaggaaatgg | 1831020 |
| cacgtgaaga  | agctgctgcc  | tgcaagccc   | gtattccggc | actggaagaa  | gaaattaagc | 1831080 |
| tctgtctggt  | accagccgac  | ccgcaagatg  | accgcaacgc | cattttggaa  | attcgtggcg | 1831140 |
| gtacaggcgg  | cgacgaagca  | gctatctttg  | cgggagattt | gttccgtatg  | tattccaagt | 1831200 |
| actgcgaacg  | caaaggctgg  | aagctggaag  | tatctagtgc | caacgaagga  | gctgctggcg | 1831260 |
| gtttcaagga  | aattatttgt  | tccgttaccg  | gagataaagt | atacgggtacc | ctgaagtatg | 1831320 |
| aatcgggctg  | acaccgtgta  | caacgcgtac  | cagctaccga | aactcagggc  | cgcgtacata | 1831380 |
| cttctgcagc  | ctccgttgcc  | gtgcttcctg  | aagccgaacc | gttcgatgta  | gagatcaacg | 1831440 |
| aaggagaaaat | aaaatgggat  | acattccgaa  | gcggcggtgc | cggaggtcag  | aatgtgaaca | 1831500 |
| aggtagaatc  | gggagtacgc  | ttgcgttata  | actggaaaaa | tccgaataca  | ggtgtcgtag | 1831560 |
| aagaaattct  | tatcgaatgt  | accgaaaccc  | gcgaccagcc | aaagaacaag  | gaacgcgctt | 1831620 |
| tatcacgtct  | gcgtacattc  | atttatgaca  | aggaacatca | aaaatatatt  | gatgacattg | 1831680 |
| cctccaaacg  | taagaccatg  | gtaagtaccg  | gtgaccgttc | ggccaaaatc  | cgcacataca | 1831740 |
| actatccgca  | aggccgcata  | accgatcatc  | gcattaatta | taccatatat  | aatctggctg | 1831800 |
| ctttcatgga  | cggagatatc  | caagactgta  | tcgaccatct | gattgttgcc  | gaaaatgcag | 1831860 |
| aacgactaaa  | agaaagtga   | ttataatcac  | tgaagacctt | acacaaatgt  | taggacattg | 1831920 |
| gtttcaaaaag | attattcaga  | cttttaacgg  | aacgcttcag | agtaatctga  | agcgcttccc | 1831980 |



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|            |            |             |            |             |             |         |
|------------|------------|-------------|------------|-------------|-------------|---------|
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| tgatgagaac | aagaaactaa | actggatcat  | cggatattat | ctttctgtag  | gtactttatt  | 1832100 |
| atcactaacc | ctgcacttgt | ggtgtgaaga  | gatgaaaagg | atcattccca  | agattgccgt  | 1832160 |
| ccaggcagga | atgcatctac | ttctcatact  | cgatgcgatt | tatctttatt  | cttattccta  | 1832220 |
| tgaaaaatca | ttcacagaaa | taggtatagc  | acatggagct | ggcatcctgg  | caataggatt  | 1832280 |
| atctgtcttc | ttcctttcct | tttttaaaga  | aaagaatgat | attccaagtt  | ggaactttgc  | 1832340 |
| tctgtcaagt | atcacagcat | gcgtgacagc  | caatgtaata | ggatgtatca  | tgagtggagg  | 1832400 |
| catctgcttt | ttaatcttat | ctgtacataa  | attatttgat | ttaagcatag  | attcgacatg  | 1832460 |
| ctatctctac | gttgtaattc | tctgcaacgt  | ctgtctatct | atgttcctgt  | ttttagggtt  | 1832520 |
| acttcctcaa | aaacaagaaa | agcataatac  | acgtccgtta | caacatccct  | ttttaaatgg  | 1832580 |
| tgtcatccat | tacctattcc | tcccgcgtgac | aggaggttat | ctgatagtag  | tttacattta  | 1832640 |
| tgactttcgc | atattgataa | actgggaact  | ccccatcgga | tgggtttcat  | ggttggtcat  | 1832700 |
| aacctgatg  | accggatgca | tcgtaattga  | attcggactt | taccaagcc   | gaatggcaca  | 1832760 |
| acaaaagcgt | acagataatt | taatagcacg  | ctggctacca | ttatttgtag  | tacctctact  | 1832820 |
| cttcctgatg | accataggta | tcatacgccg  | attcaatgat | tatggtgtaa  | ccatcaaccg  | 1832880 |
| actctatttg | attacattaa | atatatggtg  | ctattttgtc | tgcatcacat  | taattataat  | 1832940 |
| caaagctaaa | agaatcagct | ggattccgat  | ttccttttct | cttgtctttc  | tactgacatc  | 1833000 |
| agtattacct | gtcaattatg | ccagcataac  | ccgacagatt | attcaaaaag  | aggtaaacca  | 1833060 |
| gactattata | cacaaaatc  | ctatgcaaaa  | tttacctctc | tcacaagaac  | agtataacca  | 1833120 |
| atggctgaaa | acattttctc | cagagcaagc  | acggcaaata | aatgaaaaat  | ttattttatct | 1833180 |
| ttacgaatgg | tttggaagg  | aaagtatctg  | ccaatggatt | gatgaagatg  | tttcattgta  | 1833240 |
| tatgctccgt | acagaatttg | aagatagaca  | agagaatcag | tctactgttt  | cttattcagg  | 1833300 |
| aacaatcgct | tcagaagcca | ccatcagtg   | tcctgacgga | tatcaaaaag  | tgcaatcaat  | 1833360 |
| acatcgatat | caaatcatag | accataaagg  | acaagacaag | ataatagccg  | tttactaac   | 1833420 |
| tcaggataac | gatacggtat | atatcgacca  | gcagactatc | gaatctctga  | gtcaacgtaa  | 1833480 |
| aaaaggagaa | atgcctccaa | ctcagttgaa  | ctgcaattca | agtcaaaaag  | tctttttact  | 1833540 |
| aaccagcttc | tcaattgaga | aaacagaaga  | aaatatagaa | gtaagtatag  | atggatatct  | 1833600 |
| atttagcaaa | taagaataca | tataaactta  | aaaagcaatc | aatatgaaca  | agcaacaatt  | 1833660 |
| atttgaaaac | atcaaaaaca | aaaaatcttt  | tttgtgcgtc | ggactagata  | ctgatatcaa  | 1833720 |
| aaaaatacca | gaacacttac | tgaaggaaga  | agatccgatc | tttgctttca  | acaaagctat  | 1833780 |
| tatcgatgca | acagctcctt | attgtatcgc  | atataaacc  | aatctggcat  | tttacgaaag  | 1833840 |
| catgggagta | aaaggatgga | tagctttcga  | aaaaacagta | gactatatca  | aaaagaatta  | 1833900 |
| cccggaccag | ttcatcattg | ccgatgctaa  | acgaggagat | attggaaata  | cttcagccat  | 1833960 |
| gtatgcacgt | acctttttcg | aagaacttga  | tatcgattct | gtaacagtag  | ctccttatat  | 1834020 |
| gggagaagac | agcgtcactc | ctttccttac  | ctacgaagg  | aatgggtta   | tcctgctcgc  | 1834080 |
| ccttacttcg | aacaaaggct | cacacgattt  | ccagttgaca | accgatacgg  | aaggagaacg  | 1834140 |
| cttgttcgaa | aaagtactgc | gcaagtcaca  | agaatgggca | aacgaccaga  | atatgatgta  | 1834200 |
| tgtagtcgga | gctactcaag | gacgtatgtt  | tgaagatatc | cgtaaaaatcg | ttccaacca   | 1834260 |
| tttcctactg | gttccaggta | ttggagcaca  | aggtggctca | ctggaagaag  | tatgtaaata  | 1834320 |
| tggaatgaca | aaagaatgcg | gactgattgt  | aaactccagc | cgtgccatta  | tttatgcaga  | 1834380 |
| caagactgaa | aactttgcaa | aagttgcggg  | agaagaagct | cacaaagtac  | aacaacaaat  | 1834440 |
| gagcgaacaa | ttgaaagcta | ttttataaag  | aaaagtttct | aaaaagaaca  | attattccta  | 1834500 |
| ttcattagat | caatttgtaa | aatctacata  | aaaactgtct | tctgttagag  | accacagaag  | 1834560 |
| gcagtttttt | gttttcttaa | aacaggtaaa  | aaaggatact | tttataatgc  | taagccaata  | 1834620 |
| aatatttggt | aatttacacg | gatataataa  | aaaaaaatc  | gtaatttgca  | taattaacaa  | 1834680 |
| catgtatgcc | aatcaatgac | atacaaaaaa  | cagaaaaaat | taaagtaaaa  | aaagaacaaa  | 1834740 |
| agaatcaatt | atggagtttt | cagccaagca  | aattgcagaa | tatatccaag  | gagtgattat  | 1834800 |
| aggagatgaa | aatgcaactg | tacatacatt  | tgcaaaaata | gaagaaggta  | ttcccgggtgc | 1834860 |

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| tgtattggtc  | aacaaagatt | ttgagccgga  | acatgagggt | aaagcgactc | ttataaaagt | 1834980 |
| agacaacgct  | tatgaaagtc | tggccaaact  | gatgactcta | tatgaaatga | gcaaacctaa | 1835040 |
| aaaaacaggc  | atcgatcctt | tggcatctat  | ttctcccaag | gccaaaattg | gaaaaaatgt | 1835100 |
| ttatataggt  | ccttttgcct | gcatcgaaga  | aggcgctgaa | attggtgaca | actcttgtat | 1835160 |
| ccatccccat  | gtaaccgtta | gtgctcatgc  | caaagtagga | gaaaacacaa | cgttatatcc | 1835220 |
| acaagttaca  | atatatcacg | attgccgcgt  | aggaaataat | tgtatcatcc | acgccggagc | 1835280 |
| cgttatagga  | gccgacggat | ttggctttgc  | accgtccctt | gaaggttacg | aaaagattcc | 1835340 |
| tcaaataggc  | attactatca | ttgaagataa  | tgtagaagtc | ggagccaata | catgtataga | 1835400 |
| ccgtgctaca  | atgggagcaa | ctattgttca  | taaaggggcc | aagcttgata | acttgattca | 1835460 |
| actggcacac  | aatgtagaag | taggcagtc   | cacggtcatg | gcttcacaag | gtggagtagc | 1835520 |
| cggttctgca  | aaaattggag | aatggtgtat  | gtttggagga | caagtcggta | tagcaggaca | 1835580 |
| tataaagata  | ggtgatcatg | taactgtagg  | cgcacaatct | ggtataccgg | gaaataccaa | 1835640 |
| atcaggcagt  | acactgatgg | gatacccagc  | catcgatccg | aaacaatttg | cacgttcgtc | 1835700 |
| tgtctgtttc  | aaaaaacttc | cagacatgta  | cactgaatta | aataaactac | aaaaggaaat | 1835760 |
| tgaagaacta  | aaaaaacaac | ttaataaata  | aacccatggt | gaaacaacaa | acattaaaag | 1835820 |
| gcagcttctc  | actgaatggt | aaaggacttc  | atacaggagt | caaactgacg | gtaacattca | 1835880 |
| atcctgcccc  | ggaacatcac | gggtataaga  | ttcagcgaat | tgatttagat | gaccaaccaa | 1835940 |
| tcacgatgc   | agtagctgaa | aatgtagttg  | acacaactcg | cggtagagtt | ctggccaaga | 1836000 |
| acggggtaaa  | agtaagtacc | gtagaacatg  | ccatggcagc | actttatgcc | gcaggaatag | 1836060 |
| acaactgctt  | gatacaagtc | aatggtccag  | aatttcctat | tttgacgga  | agcgccaaag | 1836120 |
| catatgtaga  | atgtatcaaa | cgagtaggca  | ttgaagaaca | aaatgctccg | aaagattttt | 1836180 |
| acatcatcaa  | atcaaaaatc | gaatttcgtg  | atgaagctac | cggctcatcc | attacagtac | 1836240 |
| ttcctgatga  | caaattcagt | gtcaacacac  | tgatctcata | cgattcgaag | atactgacta | 1836300 |
| accagtatgc  | gacattagag | aatatggaag  | acttccctac | ggaaattgca | tctgcacgta | 1836360 |
| ctttcgtatt  | cgttcgtgaa | atagaacctt  | tactaaatgc | tggtctgatt | aaaggcggtg | 1836420 |
| acctggataa  | cgccattgtc | atctatgaaa  | agcagatgac | tcaggaaagt | ttcgataaac | 1836480 |
| ttgccgacgt  | aatgggtgta | ccccacatgg  | acgccagtc  | gctaggatat | atcaaccata | 1836540 |
| ttccattggt  | atggccaaat | gaaccggcac  | gtcacaagct | tctcgacata | atcggtgacc | 1836600 |
| tggttttgat  | aggaaaacct | atcaaaggac  | gtattatcgc | aaccggtcca | ggacatacca | 1836660 |
| tcaataacaa  | gtttgcccgc | cagatacgaa  | aagagatacg | tttgacgaa  | attcaggcac | 1836720 |
| ctatatataa  | ttgcaacgaa | gccccaatca  | tgatgtgaaa | tcgtatccgc | gagttgcttc | 1836780 |
| cacaccgtta  | tccgttcag  | ttagtcgata  | aggtgatagc | cattggagcg | aaccacattg | 1836840 |
| taggcgtgaa  | aaacgttacg | tctaataaac  | cattctttgt | tggtcatttc | cctaacgagc | 1836900 |
| cagtcagtc   | aggtgttctt | caggtcgaag  | ctatggcaca | agtcggaggt | ttgcttgtac | 1836960 |
| taaattcgct  | agacgaccca | cagaaatatt  | ccacatactt | tctgaagata | gacaatgtaa | 1837020 |
| agttccgtca  | gaaagtgtgt | ccgggcgata  | cattgatatt | ccgtgtggaa | ctgatggcac | 1837080 |
| cgatacgacg  | tggaatctca | actatgaaag  | gctacatctt | cgtaggcgaa | aagattgtct | 1837140 |
| gtgaagcaga  | attcatggca | caaataagtaa | agaacaaata | agacaataga | ttcattagca | 1837200 |
| atagataaaag | gatgaagaat | taacctatta  | ttagttcttc | atctctaaag | ctttaccctt | 1837260 |
| aaatacttaa  | attcttcatt | atacaaatat  | gatcagccca | ttagcataca | tacatccaga | 1837320 |
| agctaaaata  | ggagaaaatg | tagaaatagg  | tccgtttgtg | ttcatcgata | agaatgtagt | 1837380 |
| gataggcgat  | aataatacaa | tcatgcctaa  | cgcaaacatc | ttatacgggt | cacgtatcgg | 1837440 |
| aaacaacaat  | cgcatcttcc | cgggagcagt  | catcgagact | attccgcaag | atttaaaatt | 1837500 |
| ccgtggagaa  | gaaacaactg | ccgaaatcgg  | tgacaataat | actatccgtg | aaaatgtaac | 1837560 |
| catcaacaga  | ggaacagccg | caaaaggaaa  | aaccattgta | ggcaacaaca | acctactcat | 1837620 |
| ggaaggtgta  | cacgtagctc | atgacacaat  | tgtgggaagc | ggatgcatca | tcggcaactc | 1837680 |
| aacaaaaatg  | gcaggagaag | taatcatcga  | tgacaacgcc | attgtcagtg | caaacgttct | 1837740 |

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| caaggatata  | ccgccttaca  | tcacgcgagg  | tcgcgaaccg  | attgctgtaca | gcggaataaa  | 1837860 |
| cattgttagga | ctacgtcgtc  | gcggattttc  | gaacgaactg  | attgaaaata  | tccacaacac  | 1837920 |
| ttaccgcatt  | atctataaca  | gcggaaagaa  | cgtaagcgat  | gccctgcaac  | aagttcgcga  | 1837980 |
| ggaagtcccc  | atgactccag  | aaatcgaata  | tattgtttct  | ttcattgaaa  | attcaggaag  | 1838040 |
| aggaatcatc  | cgataaagaa  | aattttatat  | ctttaccaca  | tcaatgacta  | ctaaacaata  | 1838100 |
| aagacaatgg  | tatacaaatt  | cagaatcata  | tccgacgaag  | tcgatgattt  | cttgagagaa  | 1838160 |
| ataaaaaatcg | actcagaagc  | ttcatttttac | gattttgcacg | aagctatatt  | aaaatgtaca  | 1838220 |
| ggttacaagg  | atgaccagat  | gacctctttc  | ttcatctgcg  | atgatgactg  | ggaaaaagaa  | 1838280 |
| atcgagatta  | ctttggaaga  | tatgggtaac  | ggaagtccgg  | aagaagatac  | attcgtgatg  | 1838340 |
| aaagatactc  | cgctcaacga  | attactggaa  | gacgaaaaac  | agaaattact  | ctacgtcttc  | 1838400 |
| gacccgctgg  | ccgaacgtgt  | attcttcatt  | gaattgtctg  | aatcatcac   | aggaaagaac  | 1838460 |
| cttcaacatg  | caacttggtc  | acgcaaggaa  | ggaaatcctc  | ctaaacaaac  | tatcgatttc  | 1838520 |
| gacgaacaga  | tgaatacaaa  | ttcctctctc  | gatttggatg  | aaaacttcta  | tggatgatcag | 1838580 |
| gatttcgaca  | tggaagactt  | cgatcccgaa  | ggtttcgatg  | tacaaggagg  | cggaggaaac  | 1838640 |
| ccgtacgacg  | aagacaaata  | ttaattcctt  | ataacaaata  | gatggaaaaa  | catatccatg  | 1838700 |
| cttttccatt  | catccaaagg  | aggaaaaatc  | tcgaaaaaac  | aataaatcaa  | cgaggttctt  | 1838760 |
| cctccttttt  | tataacacgt  | cagagcagaa  | aagaatgagt  | aaaccacac   | tgattgtact  | 1838820 |
| gataggaccg  | acaggcatcg  | gtaaaaccga  | cttaagcttg  | tccatagccg  | aggcatacca  | 1838880 |
| tacctctatt  | atttcagcag  | actcacgcca  | gctttatgcc  | gacttgaaga  | taggaacagc  | 1838940 |
| ggcccctact  | ccagaccagc  | tggcacgcgt  | tccgcattat  | tttgtcggaa  | ccttacaact  | 1839000 |
| gacggactat  | tacagcgcag  | cccagtatga  | aaccgaggtt  | ttaaagaagc  | tggacgaact  | 1839060 |
| cttcaaagaa  | aatcctgttg  | tagtactgac  | aggaggttcc  | atgatgtatg  | tcgatgccgt  | 1839120 |
| gtgcaagggg  | atagacgata  | tccctaccgt  | agacaacgaa  | acacgtcagc  | tgatgctgga  | 1839180 |
| acgttatgaa  | caagaaggac  | tggaaagact  | gtgtgccgaa  | ttaaagattc  | tcgatccgga  | 1839240 |
| atattataat  | attgtcgacc  | tgaaaaacc   | caaacgagtc  | atacacgcat  | tagagatctg  | 1839300 |
| ttatatgacg  | ggaaagactt  | atacgtcctt  | ccgcacacag  | actaagaagg  | aacgtccgtt  | 1839360 |
| tcacatcctg  | aaaatcggct  | tgaacgcga   | tagagaagaa  | ctatacgacc  | gtataaatcg  | 1839420 |
| ccgggtagac  | atcatgatgg  | aagaaggact  | tctggaagaa  | gcacgtaagg  | tctaccctta  | 1839480 |
| tcgtcatctt  | aactcactga  | ataccgtagg  | atataaggaa  | ttgttcaagt  | atttcgatgg  | 1839540 |
| agaatgggac  | ctaccgtttg  | ccatcgaaaa  | aatcaagcaa  | aactcccgtg  | tttactcacg  | 1839600 |
| taaacaagta  | acctgggtta  | agcgtgatac  | agatatagcc  | tggttccatc  | ccgactcgaa  | 1839660 |
| agatgaaatc  | atgcaatata  | tcgaaagtca  | tttggcactg  | tgatgaatca  | gggcactgcc  | 1839720 |
| ccgaccagat  | tgtcggctac  | aaagatataa  | gactcaattt  | agcaaagata  | gttttacatc  | 1839780 |
| tgaatttgaa  | ccagttttta  | gacaaaagga  | aacagataga  | tgtttaatgc  | tgtaaaggta  | 1839840 |
| tcaaagctca  | atttttgaga  | tgcaaaccta  | taatcggata  | tcctataaga  | caacaaaatg  | 1839900 |
| gtcgtatcac  | ttctcaaagt  | aaactcccc   | tccgaaagtt  | ttccgtatag  | cttttttggg  | 1839960 |
| gaagccactt  | caaagcagaa  | tctgatacga  | ccttttatga  | atcatgattc  | caattcatca  | 1840020 |
| tttttcgaag  | tgcccatttt  | tagttttaac  | tccatccctt  | ttagatttta  | tagttacagc  | 1840080 |
| ctgtagcttt  | tcaaaacatt  | cttttcagtt  | ctgagcccc   | ttcatcctgc  | gatcataaac  | 1840140 |
| agacagcgtg  | tgaagggaagt | cttcaaaaac  | tacccttcac  | acgctgctct  | tctatagatt  | 1840200 |
| caatctctat  | gttaccagcc  | caaacaagac  | attactacat  | aaagaactta  | aagacaaaga  | 1840260 |
| taaccgacag  | aatgtacatt  | gccggagtca  | gcttcttata  | gttgccacac  | aacaagttta  | 1840320 |
| tcagtacata  | actaatcata  | cccaacacaa  | tcccgtccga  | gatgctataa  | gccagcggca  | 1840380 |
| tgaaaataat  | acagataaat  | gccggaatag  | cctccgaata  | ctccgtcaag  | tcaaccttct  | 1840440 |
| tgatagatga  | catcatcatc  | agccccacca  | gaatcaatac  | cggagccgta  | gcagctcccg  | 1840500 |
| gaactgccag  | gaagaaagga  | gctagaaaca  | aagccagcaa  | gaagcagaca  | gccgtaacaa  | 1840560 |
| aggcagtcag  | accgctgcgt  | ccaccttcac  | ctactcccga  | agcactctct  | acgaaagtgc  | 1840620 |

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| cctgtttcag  | atgaggaatc | ttgccgtctt  | ttgtcaccat | accagccttt  | gttgttactc  | 1840740 |
| ccaccagcgt  | accaatcgta | tcaaacatat  | ccacaaacaa | aaatgtaa    | accacaatca  | 1840800 |
| ccatttcctt  | tgtaaagata | tgctccact   | ggaactggaa | gaaaataggc  | tcgatagaag  | 1840860 |
| gaggagcact  | cacaatgccg | tcaatatgtg  | tcagcccat  | cggaataccg  | ataaccgttg  | 1840920 |
| tcagcaaaat  | gccgaaaagc | aatgcaccac  | gtaccgcgtt | taccagcaag  | accgaagtca  | 1840980 |
| ccaataaacc  | gatgataccc | agcagcgag   | agcccgaagt | aatatcgccc  | agcgaaataa  | 1841040 |
| gagtcgcac   | attgttcacg | ataattcctg  | cattctgcaa | gcccaggaaa  | gcaataaaca  | 1841100 |
| gaccgatacc  | cgctccaatc | gcattcttca  | gcgtagcagg | caacgcaccc  | acaatcttct  | 1841160 |
| cacgcagatt  | tgtaatatgc | agcaaaataa  | agataattcc | ctccaacagt  | acagccgtca  | 1841220 |
| gcgcaaaactg | ccatgagtaa | cccagcgtaa  | gacaaaccgt | ataagcaaaa  | aacgcattca  | 1841280 |
| gtcccattcc  | gggagccagt | ccaaaaggca  | atgtggcata | aaaagccatg  | agcaacgtcg  | 1841340 |
| taaaagccga  | agcaataaca | gtagtgttaa  | acaacgcacc | cttatccata  | cctgtcgcac  | 1841400 |
| tcaggatatt  | cggatttaca | gcaagaatat  | aagccatcgt | aaggaaagta  | gtaatacccg  | 1841460 |
| ccaaaatctc  | ggtacgcaca | cgagttactt  | tccggtcgaa | gccaaacaat  | ttctctaaca  | 1841520 |
| taatactata  | aaattagaaa | tacttatcag  | aaagtccact | tcatagccaa  | agtcgggatg  | 1841580 |
| taatagaatc  | cgttacgcgt | agcaaaattc  | gtactcagct | cccatccgt   | accacgcgtc  | 1841640 |
| aggttcaaat  | catcgttcac | atgcttgaac  | ttattcaagt | ttacccaaaa  | ctgaggttca  | 1841700 |
| cttataaaaa  | tatagttatg | ttcgtttcg   | tgaacatcga | aatgcttttc  | acgccagaag  | 1841760 |
| tcagcaaatc  | cgctgaaagt | aaatttggtc  | tggcagaaat | taatcgcca   | ggtaccgcgtc | 1841820 |
| aactgaaagt  | tatgaggttt | atcattcttc  | tgaatatact | tatataatac  | ctgaaagcca  | 1841880 |
| aacacacgcg  | aaaagtcagc | actgttccag  | ttatatgcag | ctccacccaa  | gaacgcatta  | 1841940 |
| ttgatataat  | tcaatccgcc | gttatactcc  | acatgcgccg | aaatgggagc  | cttccagaat  | 1842000 |
| ttcagttcac  | gactgatttc | ccaataagca  | gaagctacac | ctttatccgt  | atagtccata  | 1842060 |
| tcgacaaaga  | aataagtact | acccatttg   | tcagccttaa | acatttcaac  | ggtagtggta  | 1842120 |
| acccacggac  | gatccgacag | cgagttgtac  | atggcacgtc | ccaaatcata  | atgcaactgg  | 1842180 |
| atgttctgtg  | cctttgttac | tcctgccaaa  | cagcacataa | aaagaactaa  | taagaatgtt  | 1842240 |
| tttttcattg  | attttagctt | tgtttaatta  | ttgaagtcgc | aaaagtacac  | aaaatctgcc  | 1842300 |
| taatagcata  | aagagaatgc | atatttggtt  | ccgcctcaca | agagttacac  | ctatattata  | 1842360 |
| tataaagcat  | acctttcttc | tacttttccc  | tccttccgtt | cagcctccat  | tttaccctcc  | 1842420 |
| gaaatgttca  | cgcatgttac | aagtaagtta  | ccaaagctgg | cacttttttg  | atatagggtca | 1842480 |
| aaaaagaagc  | acttttcgca | ataaatatgc  | tataaaacat | atttcgtatc  | aaaataaccc  | 1842540 |
| gtatatattgc | agtgtaaaac | aaaagaggat  | aataaataag | agataaatac  | tagacttaag  | 1842600 |
| ttattaatag  | atttttaagg | ttaaaggttg  | aaaaaaggat | cgaaggccga  | ccgtgaggct  | 1842660 |
| cgcttgagag  | tttttaggta | aagtttttag  | gtattattta | atgttttaact | aaaaaagaaa  | 1842720 |
| ggataacatt  | atgaaaaagg | taaaaaacat  | ttttcacaaa | atcgtaaagt  | cagatccaat  | 1842780 |
| gatctgggggt | tacgtaatgc | tgaatgataa  | gatcagcaag | taaaaacaag  | ctgaacgctg  | 1842840 |
| aaaatgcttc  | agctttgaga | gagaatctga  | taaatgccga | gaggcgttgt  | aaataatcaa  | 1842900 |
| ctaagcggtt  | gcgcaagcga | ccgctttttt  | tatgtatctt | tggtgacaaa  | tcagttttta  | 1842960 |
| aatatggcat  | acaccccgat | agataccgac  | aacgcagagt | tccagaacgc  | attaaagctc  | 1843020 |
| atacagtaca  | cccgccagtc | ggttttctctg | accggaaaag | ccggtaccgg  | taaatccacc  | 1843080 |
| tttctgaaac  | atgtatgccg | gataaccaa   | aagaagtttg | tagtacttgc  | ccctacgggc  | 1843140 |
| attgcagcca  | tcaatgcagg | aggaagcacc  | ttacatagct | tcttcaagct  | tcccttctac  | 1843200 |
| cccttgctgc  | ccgacgatcc | taacttcagc  | ctgaaaggag | gaaaactgca  | cagctttctg  | 1843260 |
| aagtattcgt  | ccgaccatcg | caagctcatc  | aagaacatcg | aactcgatc   | tatcgacgag  | 1843320 |
| atttccatgg  | tacgcgccga | catcatcgac  | ttcatcgaca | aggtactgcg  | tgtctattca  | 1843380 |
| caaaacatgc  | gcgaaccttt | cggcggaaaa  | caactcctgc | tggtgggcga  | tgctttccaa  | 1843440 |
| cttgaaccgg  | ttgtaaagag | cgatgaacga  | gaaatcatca | accgcttcta  | tcccaacccc  | 1843500 |

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| gtttaccgcc  | agaccgataa | ggtctttgtt | aacgtactcg | accatatccg  | caccaacaca  | 1843620 |
| gcagggggcag | ccgatctcca | actgctgaat | acacgctaca | atgccccgat  | aaaggcaaac  | 1843680 |
| gaaaacgaca  | tgtacatcac | tcttgccaca | cgtcgcgaca | atgtagacta  | catcaacgac  | 1843740 |
| cgccgccttg  | ccgaacttcc | cggcgaagca | gtcaccagc  | aaggagaaat  | tcacggcgag  | 1843800 |
| tttcccga    | gcagtcttcc | tacccttatg | gaactgacca | tcaagcccgg  | tgcgcaaadc  | 1843860 |
| atattcatca  | agaacgatcc | ggacaagcgc | tgggtgaacg | gcactatcgg  | aaccatttcc  | 1843920 |
| ggtatcgatg  | ccgatggaat | catatacgtc | attaccgaag | acggcaagga  | gttcgatgtc  | 1843980 |
| cgccgtgaaa  | gctggagcaa | catacgtac  | cgctacaacg | aacaggagaa  | gaaaatagag  | 1844040 |
| gaagaagaac  | tgggaacctt | cacccagtac | cctatccgac | tggcatgggc  | catcaccata  | 1844100 |
| cacaaaagtc  | agggacttac | attcagccgg | gtagtcatcg | actttaccgg  | cggagtattc  | 1844160 |
| gccggcggtc  | aggcatacgt | ggcactgagc | cgctgcacct | caactggaag  | tatctgcctg  | 1844220 |
| aaacgcgaaa  | tcacccgcgg | cgacatcttc | gtacgccccg | aaattgtagc  | tttcgcacaa  | 1844280 |
| cggttcaaca  | accagcaggc | catcgaccgc | gccatgaaac | aggcacaagc  | cgacatacaa  | 1844340 |
| tatgtagcag  | ccgtaaaagc | cttcgacgaa | ggtaacttcg | aagaattcct  | caaccagttc  | 1844400 |
| ttcaaagcca  | tccattcgcg | ttacgacata | gaaaaacctc | tccagcaacg  | tttcatccgg  | 1844460 |
| aaaaagctcg  | gcatcatcaa | caaactgcgt | gaagacaaca | aacgcctgaa  | ggaacaaatg  | 1844520 |
| caggagcaac  | agaaaaactt | gcagaaatac | gccaaaggag | actacctgat  | gggcaacgag  | 1844580 |
| tgtatcacgc  | acatgcacga | taccgcgcgc | gcactcgcca | attacgacaa  | ggccatcgaa  | 1844640 |
| ctctatcccc  | actacgccga | tgcatgggta | cgcaaaggag | ttaccttggt  | caacgccgac  | 1844700 |
| cgcataaacg  | aagccgaagc | ttgtctggac | caagctgtcc | gcctgcgtcc  | gatggaattc  | 1844760 |
| aagaccgttt  | acaaccgcgg | aaagctacgt | cttcacacag | gagacacgga  | aggagccctt  | 1844820 |
| gccgacctcg  | acaaagccac | cactctaaag | cctcagcatg | ctggagcaca  | cgaatgtttt  | 1844880 |
| ggcgacgcac  | ttacacaagc | cggaaaagaa | atggaagctg | ctatccagta  | ccgccttgcc  | 1844940 |
| gaagagctcc  | gcaaacgcaa | aaacaactct | taaacagaaa | cttattttatc | gttttttccct | 1845000 |
| tgaacagga   | atcgatcatc | gtttcagttc | ctccagtgtg | ccgttgaaca  | cattcagggtc | 1845060 |
| cacctgctcc  | ttgatgcccg | gcaaagtacc | ggcatcggtg | tgctgccaga  | acttccactg  | 1845120 |
| tcccttatat  | tctaccgagt | cgacataata | atgagcaatc | cagtacggat  | aagtattgaa  | 1845180 |
| gatagaatcg  | ttcagataac | gagtcttaaa | cttataggat | gtataaagaa  | taggcttcac  | 1845240 |
| cttgtaatgc  | tgttcaatct | tccggagcca | gatcagcaaa | tccttccgca  | agcggtcgtc  | 1845300 |
| atcgctgccc  | cgcttctcta | tatcgagtac | cggaggaagg | tcacccgggt  | ccagccggac  | 1845360 |
| cgaacggata  | aagaaatctg | cctgccgtgc | agcatccgtc | ttcggattgt  | aaaaatgata  | 1845420 |
| tgccccacgg  | ataaatccat | actgacgtgc | cagattgaaa | ttatgcacaa  | acgtcgtatc  | 1845480 |
| actgaaatct  | ccaccctcag | aagccttcag | aaaaacaaag | cggatagggg  | aaggagtaaa  | 1845540 |
| ctgcgttttg  | cagagcgctg | cccagtttat | ttccccctga | tgatgagaaa  | catcgaaccc  | 1845600 |
| atgcacccga  | taccctgaag | gaaggcatac | gccatacgcc | tttggtccgt  | aacaagggtt  | 1845660 |
| ccatctgtat  | gcataaggac | gaataaagaa | ataataaaac | ccgatgacaa  | gtaatgcagc  | 1845720 |
| agccccctccc | atcagaacat | aatatatcca | cgatggaact | tcccacttac  | gggcaatttt  | 1845780 |
| ctttctatcc  | ctgccgcgtc | ttggctttct | cttctgtcct | cccgaacacg  | ttttcggcga  | 1845840 |
| agaagacccc  | atccgcttgc | gcgatgcagt | tttacgaggc | ttgtttacca  | ccgttatggg  | 1845900 |
| cggttctttt  | gtcataggtt | tatacagtta | cattaaaaaa | tagtcaactgc | acctctccgt  | 1845960 |
| ctgccaaaggc | agacggagaa | ggcaatgaca | gatttctttc | ctataaggag  | ttattattta  | 1846020 |
| gcttgttcaa  | gctgcaaagt | cttagtcggc | tggctgcaaa | cttcagacgg  | accgaagtac  | 1846080 |
| tggatcggac  | ccggatatac | ataatcagtt | tccttagccc | aagtttcacg  | ctgagcagcg  | 1846140 |
| aaagccttga  | acggagcacc | atccagttta | accagagctt | tctggataac  | cggtttcatt  | 1846200 |
| tcaccgtgac  | ggcgttccat | gttcatcatc | atagtgatag | gcacaccacc  | tgcaatccat  | 1846260 |
| tcagcagccg  | gagcagtagt | gttacgaact | gatgacatat | aaccagtcct  | accgttagca  | 1846320 |
| atcagcatag  | atgcagtgtg | acccaaagag | tagcagtagt | cagcatcgaa  | gttagacgga  | 1846380 |

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|------------|------------|------------|------------|------------|------------|---------|
| gcagcgcaac | gtccttcgta | accgaagaag | tggtgctgag | cagcgaactt | accaacatac | 1846440 |
| ttgccttctt | ccttccactg | agccagctta | gtaccaacca | tttcagacaa | cagcttttca | 1846500 |
| gtttcgatca | gagaaacctg | aacgtttccg | tgcgggtcgc | ggtccaaaga | caactggcga | 1846560 |
| gcaacacctt | ccggcagaga | agcatagata | gcagcatttt | ccgggctcag | cttgctgatg | 1846620 |
| atataatcac | gctgtttaga | acgcttgatg | ctgttgaatt | catcaccgtt | agcagccagg | 1846680 |
| aagtcatcca | attcagcaat | cagacgcttc | atagccggga | taaattcgat | caaaccttcc | 1846740 |
| ggaatcaata | cagtaccgaa | gttggtacca | gcagcagcac | ggtcggcaac | tacctgagcg | 1846800 |
| atataagtaa | cgatgtcatc | caaagacatg | ttcttagctt | caacttcctc | agaaatgata | 1846860 |
| cagatgttag | gctgaacctg | caaagcacat | tccagagcga | tgtgagaagc | agaacgtccc | 1846920 |
| atcagtttga | tgaagtgcc  | gtacttacga | gcagagttac | agtcacgttc | gatgttaccg | 1846980 |
| ataacttcag | cataagtctt | acaagcagta | tcgaaaccga | atgaagtttc | aatcatgtcg | 1847040 |
| ttcttcaagt | caccgtcgat | agtcttcgga | caaccgataa | cctggatacc | atagttcttg | 1847100 |
| gcagcatagt | attcagccaa | tacacaagcg | ttggtattag | agtcatcacc | accgataata | 1847160 |
| accagtgcct | tgatgcccg  | ttccttcagg | atttcataac | ctttttcgaa | ctgatcttcc | 1847220 |
| ttttccagct | ttgtacgacc | agaaccgata | atatcgaaac | caccggtgtt | acggtattcg | 1847280 |
| tcgatgatat | cagcagtcaa | ttccatata  | ttgtggtcaa | ccaatccgcc | gggacccaag | 1847340 |
| atgaaaccat | acaatttgtt | tgcaggattc | agtttcttga | taccatcgaa | cagaccagag | 1847400 |
| ataacgttgt | gtccgcccgg | agcctggcca | ccagacaaaa | taactcccac | gttcatagga | 1847460 |
| gtatatcctt | tagcttctcc | ttcaacgaac | ttgatcaacg | gcatgccgta | agtgttcggg | 1847520 |
| aacaatttct | tgattgcttc | ctgatcggca | accgactgtg | taggttctcc | ttcctgtacc | 1847580 |
| tttacagcac | ctttcaatgc | cttaggcagt | tttggctgat | aagcagctct | tgcaatttgt | 1847640 |
| aatgcacttt | ttgtcataat | tgttttta   | ttatataagg | tgtataaatt | tcagtatgcg | 1847700 |
| caaatttcgc | ctttttttcg | gaaatatgaa | aacgtatgca | aaaaaaatgt | tatctttacc | 1847760 |
| acgtaatcaa | tctattttat | taacccta   | aaacaataag | actatggcta | gtagaagaaa | 1847820 |
| tttaaaaaag | aatgtcaact | atatttccga | cctcgtagca | ggtttgtgta | tcgtagaagg | 1847880 |
| tctgaatgca | aaagatgaaa | accgcaaga  | actgagcaat | ctgttccttc | aggcaatcaa | 1847940 |
| cttacgtcag | gatcatcatc | gccgcatcag | ccacacggaa | ccgggaaacg | taaaaggttt | 1848000 |
| ctacaaaaaa | ctgaaagaag | acttcaacaa | cggtacggaa | gctattttca | agaaactgga | 1848060 |
| agaactgggt | aaataaggag | catgaaacaa | gccatttgca | gctttatcta | ctataagata | 1848120 |
| ctgggatgga | aagccaaagt | ttccgtccc  | gatttcgaca | aatgcatcat | ttgtgcagcc | 1848180 |
| ccgcatacta | ccaactggga | tttgattatc | ggcaaactgt | tcatcagtcg | cgtgggacgc | 1848240 |
| gagtcgggat | tcatgatgaa | aaaggaatgg | ttcttctttc | cgctcggcat | cctgttccgc | 1848300 |
| tggatgggag | gaatccccgt | acaccgcgac | aaacatacct | cgctggtaga | ccaggtcatc | 1848360 |
| aagcaggtca | aggcaagcga | caagttccat | cttgccatta | cgccggaagg | aaccgcctct | 1848420 |
| ccgaacccga | actggaaaaa | gggattctac | tacattgcac | ttggtgcaaa | cattcctatc | 1848480 |
| gtactgatcg | gcatcgatta | tgaaaagaag | tgtatcaccg | ccgaaaagta | catcatgccc | 1848540 |
| agcggggaca | tagacaagga | catgcgagaa | atcaaactgt | acttcaaaga | tttcaaggga | 1848600 |
| agacatcccc | acaaattcga | tttaggcaat | attgattaac | aatgtatggg | ctttataaga | 1848660 |
| aacgtttcgt | gtaattgttc | ggcacggaac | gttttgtttt | ttccatccac | caccacgttt | 1848720 |
| ctctgctgtt | ttgtacaaat | tccaattgtt | tttgtacaaa | atattttttc | ttttgtacaa | 1848780 |
| attattcctg | aaatgccgtg | atgtttttgg | gaatcccccg | acaggttatt | tggtaaatga | 1848840 |
| agcaaaaaat | cagtatcttt | gtgaggaaca | taatggttat | gtcatctttc | accaattcgt | 1848900 |
| ttgcgctaca | atgaaaagga | attatccggt | aggtatacaa | aactttgaag | agatacgtaa | 1848960 |
| aggaaattac | tactatatcg | acaagaccga | acttgtctat | cagcttgtaa | gcagtggtaa | 1849020 |
| atactatttt | ctgagtcgtc | cccagcggtt | cggaagagac | cttctgatat | ctactctgga | 1849080 |
| agcttatttc | caagggaata | aggagctgtt | caaagatcta | gctattgaaa | cgctcgaaaa | 1849140 |
| agaatggctg | gaatacccta | ttttacattt | cgacctcaat | acaaagaaat | acgaaagcaa | 1849200 |
| agcctctatc | gctgaaattc | taaatcagca | cctcgaaaag | tggaagcca  | tatatggaga | 1849260 |

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| tgaaaagcgg  | gaacgctctc  | cggagaacg   | atcttcgtat  | atcatagaaa  | aatcagtag   | 1849320 |
| ggtaaccgga  | cgtaacgtcg  | ttatacttat  | cgatgaatac  | gacaaaccaa  | tgctacaagc  | 1849380 |
| aataggaac   | gaagacctgc  | tcaatgacta  | cgcgaatacg  | ctgaaagcat  | tctacggcgt  | 1849440 |
| catgaaaagc  | tgcgacaaat  | atataaagtt  | tgcaatgctg  | accggagtaa  | ccaagttag   | 1849500 |
| caaagtcagt  | gtattcagcg  | acttaaacaa  | tctgatggat  | atatccatcg  | atgacagatt  | 1849560 |
| tgccaatatt  | tgcggcatta  | cggaaaaaga  | acttcacat   | tacttcaaag  | atgacatcag  | 1849620 |
| agaacttggc  | aagaaaaacg  | gactaagtga  | agaggagacg  | aaagttacgc  | tcaaaaagct  | 1849680 |
| gtacgacggc  | taccactttg  | tagaatacag  | cgacgatata  | tacaatccgt  | tcagcatcct  | 1849740 |
| aaacaccttt  | gccaaaatga  | aattcgggaag | ttattggttt  | gaaacgggca  | ctcctacctt  | 1849800 |
| tcttatcgaa  | cttttgaaac  | agagcaaata  | caacctttac  | cggctgacgg  | aagaaatggc  | 1849860 |
| ttcggccgat  | tctttgggag  | gaatagacac  | catgaatagt  | aatcctgtgc  | ctatattata  | 1849920 |
| ccaaagtggc  | tatctcacga  | taaaaggata  | tgacaaggag  | tttcaagtat  | attcgtagg   | 1849980 |
| gtttccta    | aaagaagtgg  | aagaaggatt  | tacaaagttt  | ttacttcccc  | aatatgcaca  | 1850040 |
| tcttgaaaca  | ggcaatccct  | cgttcgaaat  | aatgagtttc  | gtaaaagatg  | tccgtaaagg  | 1850100 |
| tgatgttgag  | tcgttcacga  | aacgactgaa  | aagttttttt  | gccgatacgc  | cctatgaaat  | 1850160 |
| agccagagat  | ctcgagctgc  | actatcagaa  | cgtattgttt  | atcgtcttta  | aacttttagg  | 1850220 |
| attttatata  | caagccgaat  | accacacctc  | aaacggaagg  | attgatattg  | taataaaaaac | 1850280 |
| agacaagtat  | atctatgtca  | tggagttcaa  | actcgatgga  | actgcggaag  | aagccctgac  | 1850340 |
| acagataaac  | gataaacaat  | atgctgtacc  | atctgtctaca | gattctaaga  | aggtatttaa  | 1850400 |
| aataggtgta  | aacttttagca | agagaacaag  | aggaatagaa  | aatggatttg  | tggaagaata  | 1850460 |
| aaatgtactt  | ctcccacttt  | cagaccgaca  | tcacctgtca  | acacaacatt  | ctcgacgtta  | 1850520 |
| aatcattcaa  | cctcatttct  | tccatttctc  | aaggttattc  | cacagatttt  | ccgtaagttt  | 1850580 |
| gtccctcaac  | ataaaaaactt | acattatgaa  | acgaattttt  | cttgcatata  | tctgtctgtt  | 1850640 |
| gctttgtgtt  | tcaggtaatt  | tgccggcaca  | aagtctggaa  | aagaacatcg  | aacaacgact  | 1850700 |
| gacagattat  | tttacaact   | atcagacgag  | ttatgccaat  | atcggcaagt  | gcaaactcga  | 1850760 |
| ccattttaca  | gtcgaccatg  | agcacaagat  | cttacaggta  | tatgctaacg  | ataatttcg   | 1850820 |
| ctaccagccg  | tttaccgaag  | aaaatacaca  | agccattttac | cgctcactca  | agcaactgct  | 1850880 |
| gccaggcccg  | gtcaattatt  | atcaaattac  | tctttatgcc  | gacggccagc  | ctattgagaa  | 1850940 |
| tctggttccc  | aacttcatgc  | gtaaaaaggg  | aaaagacaag  | agtcgcttgt  | atggtaaaat  | 1851000 |
| agaatacaaaa | ggggatgcat  | ggacgcagaa  | tatctcaaaa  | cctttttaaag | tcagtcaggg  | 1851060 |
| attgcaggac  | cgccatatcg  | ccgtatggca  | aagtcatggg  | aagttttaca  | agaacgaccg  | 1851120 |
| caacgaatgg  | cgctggcagc  | gtccgcgcct  | gttcggtact  | accgaggact  | tatacacgca  | 1851180 |
| atccattgta  | gttccttatc  | taattccgat  | gtcgaataat  | gcaggagcgg  | tggtcttcac  | 1851240 |
| accacgtgaa  | cgcgactggc  | agaaaaatga  | agtgggtgga  | gacaacaata  | cgtgtactcc  | 1851300 |
| cggtagccgg  | tatttcgaaa  | agaacgacaa  | gaaaaaatat  | gtgtggaaga  | ctacctcaca  | 1851360 |
| acccggattt  | gcacagaagt  | atctccggtg  | tcccgacaat  | tacaatccgt  | tccgcgacgg  | 1851420 |
| tacggcgcg   | tttattccta  | cccagtcgaa  | gccggaaaaa  | gcttttgccg  | aatggattcc  | 1851480 |
| caacattccc  | gagaccggga  | aatatgctgt  | ctatgtcagt  | tatcagacac  | taccgagag   | 1851540 |
| tgtttccgat  | gctaaatacc  | tgattttcca  | caaaggaggg  | gttaccgaat  | ttaaggtgaa  | 1851600 |
| ccagcaaatg  | gggggtggaa  | cctgggttta  | tttaggaaca  | ttcgagttcg  | acaaaggaa   | 1851660 |
| aaatgactac  | ggatggttg   | tactgagtaa  | tgaaagttca  | cagaaaggtg  | tggtttgtgc  | 1851720 |
| cgatgccgtc  | cgctttggag  | ggggcatggg  | aaacatcatc  | cgtggcggaa  | acgtcagcgg  | 1851780 |
| agttccgcgc  | tatctggaag  | gggctcgtaa  | ctggggacaa  | tgggcccggta | tgccgtacga  | 1851840 |
| agtgtacagc  | aagagtaaag  | gtgaaaacga  | ttataacgac  | gacatcaatg  | cacggtcgct  | 1851900 |
| gatgacgaac  | tacctgagtg  | gcggttcggt  | atacaatcct  | acagaacaag  | gactgaaggt  | 1851960 |
| tcctttcgaa  | ctgactttcg  | ccatgcacag  | cgatgccggt  | ttcaagactg  | atgacgcact  | 1852020 |
| ggtcggctca  | ctgggtatct  | atacaacgga  | tttcaacgac  | ggtaaggtaa  | actgtggagt  | 1852080 |
| ttcccgttat  | acgtcgcgcg  | acttgacgga  | tatggtactg  | accggattgc  | aaaaggatat  | 1852140 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| aacccgactg  | ccggctgttc  | cctcgatgat  | actcgaaaca  | ctttcacatc  | agaattttgc  | 1852260 |
| cgattttaaag | ctgggttatg  | aaccggaatt  | caagttttacg | gtagcccgat  | cggtatacaa  | 1852320 |
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| tcctaccgaa  | gatccattgg  | aatctacggc  | aaaagcgcag  | ggatatgtag  | tgtacacgcg  | 1852500 |
| catcggatac  | ggtggcttcg  | acaatggtac  | atatgtaaaa  | ggaaccagtt  | ttacagccaa  | 1852560 |
| agtagaaccg  | ggtctgattt  | acagcttcaa  | ggttactgcc  | gtcaataaag  | gaggcgaaag  | 1852620 |
| ttttccttcg  | gaaattctgt  | cggcatacaa  | ggcaaagaga  | agcaaaggta  | cggtagctgat | 1852680 |
| tgtaaatgct  | ttccaccgta  | cctgcggacc  | ggaatcaatg  | aatacgctga  | tgatgcaggg  | 1852740 |
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| tcagcaaaac  | tttaaccgta  | ccaaagccgg  | tatcgaaacg  | gaagaggggac | tggtatataag | 1852860 |
| tggaacgaa   | ctggaaggca  | tgcagattgc  | cggaaatata  | ttcgactatc  | cgttttgtaca | 1852920 |
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| cgaaagtgg   | tctacggatt  | taagcccgt   | ttacatggtc  | gatctgattt  | atggggcaga  | 1853040 |
| aaacaaacca  | ttaggcaacc  | ggatacagca  | gacgcttacg  | gcctattgcc  | agaacggagg  | 1853100 |
| acgtttgttt  | gtaagtgggt  | catacatcgg  | caacaaactg  | ggagatacta  | actttaccgg  | 1853160 |
| taatgtattg  | aagtatacct  | acggaggaag  | tatgaagctg  | gtacgttcgg  | gagaaatttt  | 1853220 |
| cggtacaaac  | atccgcttcc  | agatacctcg  | cagtgccaac  | gaacagacct  | acgccgtgcc  | 1853280 |
| tgcccccgat  | tgtattcttc  | ctatcggtca  | ggcttttccg  | atattcagtt  | ataccgaagg  | 1853340 |
| gaatcaatgt  | gccggagtgg  | cttaciaaagg | aacataccgc  | actttttgtac | tggtattccc  | 1853400 |
| ctttgaaagc  | atcatgaaag  | ccgaacagcg  | gacacatata  | atgaagtcta  | tgctcaactt  | 1853460 |
| ttttgaaagc  | aaataacaat  | gtacttgtag  | tgtgcggatg  | caaattcttt  | tgtgttcatg  | 1853520 |
| actctttatt  | catttaattt  | tttacctttg  | ctcatgtaaa  | cgttaaaatt  | taatcaagac  | 1853580 |
| tatgtacaca  | atacagacaa  | atgcctctgg  | cacacgtagc  | atggaaatat  | cggaagagca  | 1853640 |
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| agacgaatcg  | gttcttgaca  | aactgaagtt  | gaatgtgcgc  | tcgctcatcg  | ctgctcaaac  | 1853760 |
| cgaaaactgc  | aaggacttgc  | tgtatctttg  | cattgacgtg  | atttaccata  | acaatatgaa  | 1853820 |
| agcgttcgga  | cttcaccagt  | tgattctgct  | ttatatcaag  | tgggaaaacg  | aaaaggcgga  | 1853880 |
| ggaagaagag  | aaagaggaag  | aaaaagaaga  | agaataaaca  | tagggaagag  | cttgtttaaa  | 1853940 |
| ttttatacag  | acctgctttt  | aaagggtttc  | ctgtctgccg  | gcttctgcat  | atcgggctgg  | 1854000 |
| aaaatctgaa  | aaagaaagta  | tgtaagagat  | cttatttgaa  | aattttaaaca | agctctaatac | 1854060 |
| ttgttctgga  | aagagagtat  | ataataatgc  | agcaagactg  | caagtaacta  | aaaacgttga  | 1854120 |
| aatttgaaaag | agtataaaact | gactgactgg  | ttgcctacaa  | ccaaaaaaga  | agtggaattg  | 1854180 |
| agaggatggg  | atgaactgga  | tgtaatcttg  | ttcagtgggtg | atgcgtatgt  | ggatcatcct  | 1854240 |
| tcattttggtg | ctgccgttat  | cggacgtatg  | ctggaagcgc  | aaggactgaa  | agtggctatc  | 1854300 |
| gtgccacagc  | cgaactggcg  | tgatgacttg  | cgcgacttta  | agaaaactggg | gcggccacga  | 1854360 |
| ctgttttttcg | gcgttttcggc | cggctgtatg  | gacagtatgg  | taaacaaata  | tacagccaac  | 1854420 |
| aagcgcttgc  | gcagcgaaga  | tgcctatact  | cccgcaggac  | gacacgatat  | gcgtccggaa  | 1854480 |
| tatccaagca  | ttgtttatac  | tcaaattctg  | aaaaaacttt  | atcctgacgt  | tcctgtcgtt  | 1854540 |
| ttaggcggtg  | tagaggcttc  | cttgcgacgg  | ttgacgcatt  | atgactactg  | ggtggataag  | 1854600 |
| gttcgtccgt  | ctatcttgat  | tgaatcggga  | gccgacttgc  | tgattttacgg | tatgggggaa  | 1854660 |
| aaacctatca  | ccgattttgtg | caagcgtctg  | aaggctgaaa  | atgtgttgcc  | gcacgatttg  | 1854720 |
| ttgcagacgg  | cttatctctg  | ccggaaatct  | cagttcgtgc  | ccgaagaaaa  | cgatctgcgt  | 1854780 |
| ctttttttctc | acgaagaatg  | tctgaaggat  | aaaaagaagc  | aggctcagaa  | cttccgacac  | 1854840 |
| atagaagaag  | aatcgaataa  | atacgaagct  | gcccgcatth  | atcaggaggc  | aggcaatgaa  | 1854900 |
| gtggttgtgg  | tcaatcctcc  | gtaccgccc   | atgacgcagg  | gggaactcga  | tatgtcgttc  | 1854960 |
| gacttgcctt  | atacgcgttt  | gcctcatcct  | aaatataagg  | ggaaacgaat  | tccggcgcttc | 1855020 |



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|             |            |             |            |             |             |         |
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| actatctccg  | cgcatcaggg | aaagtttatc  | gtaagccgaa | gcaaggaaag  | tatcttaaag  | 1855140 |
| gaagtcaagg  | caataacgga | aatgcccga   | ttcaaggggt | acttaagcga  | cttgggtggt  | 1855200 |
| ccgtcggcaa  | acatgtatgc | catgcatgga  | cgcgacgaac | ggatgtgtcg  | ccggtgcaag  | 1855260 |
| cgcccgtcgt  | gcattcatcc | gaaggtttgt  | ccgaatctga | ataccgacca  | tcgtccattg  | 1855320 |
| ctggatat    | atcatgcggt | cgatgcgctc  | cccaaaataa | agaagagctt  | tatcggcagt  | 1855380 |
| ggagtacgtt  | acgacttgct | gctgcacgaa  | agcaaagatc | cggaagtga   | taaaagtacg  | 1855440 |
| gccgaatata  | caagagaact | gatagcacgc  | catgtgagtg | gacgcctgaa  | agtggctcct  | 1855500 |
| gaacatacca  | gcgaccgggt | gctttatata  | atgctgaaac | cgccgttcga  | acagttctac  | 1855560 |
| cgtttcaaac  | gtatcttcga | ccgaatcaat  | aaggagctga | atctgcgcca  | gcaaatacatt | 1855620 |
| ccttatttca  | tcagtagcca | ccccggctgc  | acggaagagg | atatggccga  | actggctgta  | 1855680 |
| ataaccaaac  | gactggactt | ccatctggaa  | caggtacagg | acttcactcc  | taccccgatg  | 1855740 |
| actgtagcta  | cggaagcatg | gtataccggt  | tatcatcctt | atagctgga   | acccgtcttt  | 1855800 |
| tcggcaaaga  | gtcaaaaaga | aaagctggca  | caacgtatgt | ttttcttctg  | gtataaaccg  | 1855860 |
| gaagaacgac  | gcaccattat | cagtgcgctg  | aaaaagatag | gacgcagtga  | tctgatagac  | 1855920 |
| aagctgtacg  | gcagatagga | atctgacaaa  | ataccctaaa | taggggtattt | ataaaaagag  | 1855980 |
| cggcagaacg  | tatctttgca | gcaaataaca  | aaacgaacat | gaatatagct  | gcacttatct  | 1856040 |
| caggcggagt  | agacagtgcc | gtagccgtac  | acttgctctg | cgaacaggga  | tataaaccgg  | 1856100 |
| acttatttta  | tatcaagata | gaaatggata  | ccgacaacga | actcagttgt  | acggctgagg  | 1856160 |
| aagatatcga  | gctggcttcg | gctactgctc  | atcgttacgg | actgaaattg  | aacattgtcg  | 1856220 |
| accttcagaa  | agagtattgg | gataatgtcg  | tagcatatac | catagaaaag  | gtccgtaaag  | 1856280 |
| gacttacc    | taaccgggac | gtgatgtgca  | acaagctgat | taaatttggc  | tgtttcgagc  | 1856340 |
| agaaaaccgg  | atatgcttac | gataaaatcg  | ttaccggaca | ttatgcctct  | acttgcctga  | 1856400 |
| tagacggaaa  | gacctggctg | gctacggcca  | aagatccgat | aaaagaccag  | actgatttcc  | 1856460 |
| tggcacaaat  | tgactatctg | caagtttcaa  | aactatgggt | tccactgggg  | aattacatga  | 1856520 |
| aatcggaat   | acgggagatt | gcacccaagg  | caaagcttcc | cagtgcacag  | cgtaaagaca  | 1856580 |
| gtcagggtat  | ttgctttctc | gggaaaatca  | attacaacga | ttttatcaga  | cgctttctgg  | 1856640 |
| gagagcgacc  | gggcaatata | atcgaacggg  | aaacaggccg | gaaaatcggg  | acgcaccgtg  | 1856700 |
| gtttctgggt  | ccatactatc | ggtcagcgta  | aaggactggg | acttagcgga  | ggaccgtggt  | 1856760 |
| tcgtcgtaga  | taaagacacc | gaaaacaaca  | tcttatatgt | atcacacgga  | gatgatacgg  | 1856820 |
| aacaacagta  | cggttacaaa | ttccgacttg  | tcgacttcca | cttcatacaca | gataatccgt  | 1856880 |
| ggataacagg  | agcagaacaa | gaaatccggt  | ttaaaatccg | tcatacagat  | gcctttcaag  | 1856940 |
| aagggaagtct | tgtatttgat | aatggaacat  | gttatattga | aagtaaaaac  | agagtacaag  | 1857000 |
| gcacgcggcc  | cggacaattt | ggagtcacat  | atgataaaga | tgctcattta  | tgtatcggaa  | 1857060 |
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| tctcctgcat  | aacctgtgcc | tgattctatt  | atttcatgtg | ttgaaactga  | tcgatcaatg  | 1857180 |
| atgtcaaatt  | ggctgtaaac | agtcggggccg | aaatggcaag | aagaataata  | ccgaaaaact  | 1857240 |
| tacggataat  | atagatacca | cctttaccta  | agaggcggtc | aatacgggtcg | gtcatcttca  | 1857300 |
| gtacgatata  | caccataacc | atatttagca  | agagggccaa | cacgatgttg  | atagtcgcat  | 1857360 |
| attcggcacg  | aagtgacaac | aaggtagtaa  | aagcaccagc | tccagcaagc  | aaaggaaaga  | 1857420 |
| ccaaaggtag  | tagcgtagct | tcctttatag  | gtcctgtatt | tttgaaaatc  | tctatatcaa  | 1857480 |
| gaatcatttc  | caatgacatc | agaaatatga  | caaaagcacc | tgctaccgca  | aaagatgcaa  | 1857540 |
| tgtctacctg  | aaacagtttc | agcatcatat  | cgccggcaaa | aaagaatccc  | agtaataacg  | 1857600 |
| ccgatgctac  | aagtgtagct | tgaatggcat  | tcaccgaacg | ccctttttgc  | ttcaaatacca | 1857660 |
| aaataatcgg  | tacggcacca | attatatcaa  | tcacggcaaa | caatacaata  | aatgcgctta  | 1857720 |
| tcagctcttg  | aaaattcaaa | cttcccatat  | tcttaaaatg | aaattttata  | caaagttatg  | 1857780 |
| caaaaataacc | tacataacaa | gaaagcagcc  | aaacattatc | agacggaaat  | aaacgataaa  | 1857840 |
| aaaggtaaaa  | ggcaaaaata | cattcaaaat  | attcgctact | ttgttacgtt  | aaaatataac  | 1857900 |

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|-------------|-------------|-------------|-------------|-------------|------------|---------|
| ttaataaagt  | taaatgccaa  | tgcagagcac  | aatgtatgat  | aagcttttat  | tgctccctct | 1857960 |
| gtttcaagga  | ctatgcaaag  | aagactttac  | cgctatactg  | gaaaaagtta  | gattgcattt | 1858020 |
| tcagaagtat  | acagccgga   | gctgcattgt  | aaaacaggg   | gattattgta  | ataatatcat | 1858080 |
| tttcatttta  | caaggcgaaa  | cacgcgccga  | gtcggcagac  | caggcatatc  | attatacaat | 1858140 |
| ccatgaaaca  | ttaaaaagtc  | cgcagattat  | cgagccttac  | tctttgttcg  | gtatgtatcc | 1858200 |
| gcaatatacg  | gcatcgtatt  | atgcacacac  | caatgtgaac  | gccgtaacca  | tcgacaaggc | 1858260 |
| ttatatttta  | tcggaactca  | acaagtatga  | aatatttcag  | ctcaattacc  | tgaacatggt | 1858320 |
| gagtaatcgt  | gcacagactg  | tttaccgaaa  | gtcmetaaagc | ccgcatgcca  | gtgatacgct | 1858380 |
| ggagaaaaatc | atcaattttca | tgctgctacg  | ctgtataact  | cccgccggag  | aaaagaaact | 1858440 |
| ccagattcga  | atggaggatc  | tggccgaaca  | gatagatgat  | acacgaatta  | atgtttcgaa | 1858500 |
| ggtgctgaat  | gagctgaaaa  | acgaaggaat  | cattcgtttg  | agtcgccggg  | tcatcgaaat | 1858560 |
| acccgacatg  | gaagcactaa  | gtcattacaa  | agaaaacaaa  | aaaaaattat  | ttatggaaaa | 1858620 |
| tccattttta  | cagccttata  | acaccctca   | cggaactggt  | ccattcgaca  | agatatccct | 1858680 |
| tgtacattat  | gaaccggcta  | tccgtgaagg  | catgaatcag  | gaagatgaag  | aaattaatgc | 1858740 |
| catcgttacc  | aatccggaaa  | aaccgacatt  | caacaatacg  | atattggctt  | tggacaatc  | 1858800 |
| gggagaactg  | ctggaacgag  | ttactacggt  | tatgttcaac  | ctgatgagtg  | ccgaaacttc | 1858860 |
| cgacgaactg  | gaagctattg  | ccgaaaaaat  | gatgcctctg  | ctttctgagc  | atagcaacaa | 1858920 |
| tatcagcctg  | aacgaggatt  | tggtcaagcg  | tataaaggct  | gtctacgatg  | aacgtgaaac | 1858980 |
| gcttgaactg  | acagcggaag  | aacgacgatt  | actggaaaag  | acgtacgacg  | gttttgtacg | 1859040 |
| caacggagct  | aatttgtctg  | ctaaggataa  | agctacattc  | cgaagatca   | gcatggagct | 1859100 |
| cagtacgctg  | acgcttcggt  | tttcacaaaa  | tcattctcaag | gaaacaaaca  | attacgagct | 1859160 |
| ggtacttgac  | tcggaagagc  | agctgaaagg  | tcttccggaa  | agtgccatcg  | aagcggctgc | 1859220 |
| acacacagct  | aaggagaaa   | gtaagtcagg  | gtgggttatt  | accttgacag  | ctcctagcta | 1859280 |
| tgttcctttc  | atgaaatatt  | gtgatgaccg  | aaatctgcga  | cgggaactct  | atatggctta | 1859340 |
| caacacgcag  | tgcatgcacg  | ataatgagca  | aaacaatctg  | gagattgtaa  | aacaactggt | 1859400 |
| aaacttacgt  | atgcaacttg  | ctcagttgct  | cggattcaag  | gattacgcgg  | actatgcatt | 1859460 |
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| agcatatacc  | ccaactgccc  | ataaggaggt  | ggaagaagta  | gaagcccttg  | ccaaaaagtt | 1859580 |
| ggaaggcgat  | gacttcaagc  | tgatgccttg  | ggatttttctg | tattattccg  | agaaactgaa | 1859640 |
| aaatgaaaag  | ttcaattttc  | acgaagaaat  | actgcgtcct  | tattttgaac  | tgagccgtgt | 1859700 |
| aaaagaagga  | gttttcggac  | tggcaacacg  | tttgtatggt  | atctcattca  | aggaaaataa | 1859760 |
| aaacattccg  | gtttaccatc  | cggatgtgca  | agcgtatgaa  | gtatacgata  | aagacggtag | 1859820 |
| ctacctggcc  | gtactttata  | cagactttca  | tcctcgtgcc  | ggtaaacgct  | cgggagcctg | 1859880 |
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| ttctgtaac   | atgaacttta  | ccaaaccaac  | gcctgacaag  | ccggcactgc  | tgacattctc | 1860000 |
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| gaggtttaaa  | agtatgagtg  | gaacaaatgt  | ttactgggat  | tttgtggaac  | ttccctcgca | 1860120 |
| aattatggaa  | aactttgcaa  | ttgaaaaaga  | ttttcttaat  | acattttgcat | gtcactacca | 1860180 |
| gacaaatgaa  | ccgattcctg  | aagattttatt | gcaacgagtc  | attgatgcat  | caaactttta | 1860240 |
| tgtagcctac  | gcttgtctgc  | gacaactcag  | ctttggtttc  | ctcgatatgg  | catggtacac | 1860300 |
| acgaagagaa  | agcttcgaag  | gcgacgtacg  | cgaatacgaa  | catgaggcat  | ggaaacgtac | 1860360 |
| gcaattatta  | cctcaaatag  | aagatacgtg  | tatgaccgta  | caattcggac  | atattatgtc | 1860420 |
| gggaggatat  | tcggctggat  | attatagcta  | caagtgggca  | gaggtaactg  | atgctgatgc | 1860480 |
| gttctctgtc  | ttcaaggaga  | aaggcatttt  | caacaagaat  | gtagcacaat  | ctttccgcga | 1860540 |
| caatattttg  | tcaaaaggag  | gtacggagca  | tccgatggta  | ctttacaaac  | gtttccgggg | 1860600 |
| tcaggaacct  | actattaacg  | cattattaaa  | acgaaatggt  | ataaaatgaa  | acaaaaaata | 1860660 |
| aaaaaatacg  | gagcctgctt  | attactgctt  | gccttgctt   | ttttgttcgc  | tggtgcaat  | 1860720 |
| caggaagatg  | acatcaatga  | aatcttcgta  | agcggagaat  | ggttattggt  | caattactat | 1860780 |

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| gacctgaaa   | taatcaataa | gttcagcatt | acatttggtg  | aagacggaag | tgtacaaggt  | 1860900 |
| agcatagaaa  | atggtacata | caccgggaaa | tggcaggcca  | atcctaaaga | ccgctctatt  | 1860960 |
| gcaatcacc   | gcatagaatg | cagtgtcgca | ttatcaggaa  | agaataagga | gttcatagat  | 1861020 |
| aaactgaaaa  | aagtccaatt | ctatcaggga | gataatatta  | tgttgccgct | ggctccgaat  | 1861080 |
| gaacgtacta  | cctgtatgca | atttagacat | taaatatatg  | gaaaacaaag | agaacaaaca  | 1861140 |
| agaaatactc  | gataagcgct | atatgcgaat | ggctactatc  | tgggcagaaa | actcttattg  | 1861200 |
| caaccggcgg  | aaggtgggag | cgctgattgt | aaaaaataaa  | atgattatit | ccgacggata  | 1861260 |
| caatggtact  | ccagccggat | ttgaaaatgt | ttgcgaagat  | gaacatggca | taaccaagcc  | 1861320 |
| ttatgtcctt  | cacgcagaag | ccaatgccat | caccaaataa  | gctagatcga | acaatagcag  | 1861380 |
| cgaaggtgcc  | acactttatg | tcacggcatc | tccctgcata  | gaatgtgcaa | aacttatcat  | 1861440 |
| ccaggcggga  | ataaaacgag | tcgtttttgc | cgaaaaatat  | cgtttggaag | atggtttgga  | 1861500 |
| acttttgaaa  | cgtgcgaata | tagaactggg | ttattttaaat | cctaataaat | aaatagatat  | 1861560 |
| gagcagcaac  | aaaaataaat | tgataccttt | tctgatggct  | atctgtctgg | tggcagggtat | 1861620 |
| cttgatagga  | acattttaca | caaaccattt | ttccggcaac  | aaattgggaa | tcatcaacac  | 1861680 |
| atcttccaat  | aagttgaatg | ccttgttgca | cattatcgac  | gaacagtatg | tagatactgt  | 1861740 |
| caacatgttt  | aatctggtgg | aagaggctat | gccgcagatt  | cttgcagaac | tggaccctca  | 1861800 |
| ctcttcttac  | ataccggcca | aagatcttga | agcggtaaat  | tcggatttga | aaggtagctt  | 1861860 |
| cagtgtatc   | ggcgttcaat | ttaccataca | agatgatacg  | attcacatca | acagtgtcat  | 1861920 |
| tccagggggc  | ccctccgaaa | aggtgggatt | gcttgccggc  | gaccgtattg | tagaagtaga  | 1861980 |
| cgactctagc  | ttcgtaggtg | aaatagttac | caacgaggaa  | gctatgcgcc | gtctgaaagg  | 1862040 |
| agaaaaaggc  | agtaaagtta | agttaggcat | ttaccgaccg  | ggagaaaaag | atatcttgca  | 1862100 |
| ttttacgatt  | gtacgcggcg | atatccccgt | caagagtatt  | gatgcagctt | acatggttaa  | 1862160 |
| tgataaattc  | ggatatgtaa | aagtcaacaa | attcggcgaa  | acaacttacc | cggaactgct  | 1862220 |
| cgttgcctta  | gccaaactgg | cacaggcaaa | ttgtaaggga  | atgatcatag | acctccgtgg  | 1862280 |
| aaatacgggt  | ggttatatgg | ctgctgccat | ccaaatggta  | aatgagttct | tgcccaacaa  | 1862340 |
| caaacttatt  | gtctacacag | aaggtagaaa | atctccacgt  | gaaaattaca | catccaacgg  | 1862400 |
| cacaggaagc  | agtcagacga | tgccgctcat | tgttctgatg  | gatgaagggt | ctgcatcggc  | 1862460 |
| gagtgaatc   | tttgcaggag | ctattcaaga | taatgaccgt  | ggtacaatta | tcggctcgtcg | 1862520 |
| ttcattcgga  | aaaggactgg | ttcagcaacc | tattgaattc  | agtgacggat | cggctatccg  | 1862580 |
| actgacaatc  | gcacgttatt | atactccttc | gggacgctgt  | atccagaagc | cttacgaaaa  | 1862640 |
| aggtaatgac  | gctgaatacg | aaatggatat | tatcactcga  | tatgaacatg | gagaattctt  | 1862700 |
| ctctgctgat  | agtatcaaac | aaaatatcaa | ggaaatatat  | cataccggtc | tgggacgtac  | 1862760 |
| agtctacggc  | ggtggaggta | ttatgccgga | tatctttggt  | ccgcaagata | ctacgggcat  | 1862820 |
| gacttcttat  | tacagaatgg | ctgctacacg | tggattgatt  | gtccgataca | ctctcgatta  | 1862880 |
| tacggataaa  | aaccgcagca | aacttcagga | atatgacaca  | ccgaaaaaga | tggaagctta  | 1862940 |
| tctgaaaaaa  | cagaatttgc | ttgagaaatt | tgcagaatac  | gcagagagca | aaggactgaa  | 1863000 |
| acgccgtaac  | attctgatgt | ataaatcgaa | gaagttattc  | gaagaaagtc | tctatggcaa  | 1863060 |
| tgttattttac | aatatgtag  | gcatggaagc | ttatatagct  | tattctaacc | aaacagacaa  | 1863120 |
| aaccgtacaa  | aaagctctcg | aggttctgga | aaaggagag   | tcgttcctta | aagctccaga  | 1863180 |
| agttgaaacc  | aacaaagagt | aagcgacca  | aataacagga  | aaggcacaca | acggattatt  | 1863240 |
| tctgattcaa  | tcttgtgtgc | ctttcttttt | tatcgtaccc  | taaaacttaa | cgtgaattcg  | 1863300 |
| acgaattcaa  | aacaaagcaa | gctgtgtgtc | aaatgtacgt  | tgtacattga | tacacggctt  | 1863360 |
| ttttggaaac  | atgcagtacg | ccgcaatcgc | ccccagtatg  | tttacgatga | aattgtcaaa  | 1863420 |
| gcttctgtgt  | ctggaatgct | ccacttgccg | aatgtttttc  | aattcgctcg | ttaccgtctc  | 1863480 |
| tataatagcc  | cgtttcctaa | gcagcaattt | gtccgacaca  | ctcatcaaag | cccccttcat  | 1863540 |
| gttacttttg  | agttttgtaa | taagctgtat | accgtcaaca  | aacatgcgtc | ggaagagggt  | 1863600 |
| cttgccgata  | tagcccttgt | ctgcaaccaa | ctttccgtag  | atgaattcga | caaacgcctt  | 1863660 |

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| gccttttctg  | ttacatatca | aatgcagttt  | gaaaccgaaa  | aaccatccca | tggaacactt  | 1863780 |
| gcccctttgg  | gctataccct | tgaatacctt  | gtggatatgt  | atcctttgat | tcctgcatac  | 1863840 |
| ccgcaacggg  | gtgctgtcca | cgaaacttat  | gcctgtgcat  | tttccaagca | acactttctt  | 1863900 |
| aatgaaaaga  | gccaatggta | ctgccacttc  | tttttcaagc  | tccacaaaac | gatttgtatga | 1863960 |
| aacaatcttt  | gggaagaggt | ggcgcagatg  | tctgcatact  | ttttccagat | agaaatgttt  | 1864020 |
| cagacaacgg  | tagccggagt | catggaacaa  | tatcataatc  | aacatgattt | ctgcctttga  | 1864080 |
| catagtcgaa  | tcgcggtgat | aacgccgctt  | ggtgcctgat  | ttcagcgtat | atttttccat  | 1864140 |
| cattgcatca  | aaaaacttgc | agaagtcgtc  | cgccatacaa  | aataattctg | taactttgtc  | 1864200 |
| ctcggtgatc  | atagcgatta | ttgtttgtaa  | tactttgtaa  | ttgaacacta | taaagttaca  | 1864260 |
| acaattttcg  | ctaataccca | aattttacaaa | tagttataat  | tcatcgaact | cacgttaaaa  | 1864320 |
| cttaaataca  | cctatgcaaa | aggaagaaaa  | gcgtttgctc  | agacgatata | tcgcagaaaa  | 1864380 |
| gaaaagggaat | tatcctcaag | aaattttatc  | tgaatactct  | tcattactac | tgaataaact  | 1864440 |
| agaaaagcat  | ccggctttta | cacaggcaga  | aaccatcttg  | ctatattatt | ccttgcccga  | 1864500 |
| tgaagtacag  | acacacgact | ttgtggagaa  | gtggagctgg  | aacaaaaata | ttattttgcc  | 1864560 |
| tgtagtaaaag | ggagaggaac | ttgaattacg  | ccgctatacg  | ggtaagcaag | atttacagaa  | 1864620 |
| aggaagttac  | ggcattgaag | agccgcaggg  | tgaattattt  | accgattatg | aaaagattga  | 1864680 |
| tctggccatc  | attcctggag | tagcattcga  | cagacaaggg  | aatcgtctgg | gaagaggaaa  | 1864740 |
| aggatattac  | gaccggttgc | taaaacaact  | caaagcctat  | aagatcggca | tttgtttcga  | 1864800 |
| cttccaaatc  | tgcgaacaga | ttcccacaga  | agagtttgac  | aagcctatgg | atgaaatatg  | 1864860 |
| gagcgaacag  | acatcattca | cttcccacaa  | tccataacca  | tggaacaatc | ccaattctgt  | 1864920 |
| ccaatcaacg  | aaagatgata | ttgacgatca  | cttgcgaccc  | aacctgcgca | tttaagttac  | 1864980 |
| gaaccagtaa  | ttgccggctc | atcatcagtt  | cctgacgaag  | tactgatgag | gacaaatgca  | 1865040 |
| cataaagtac  | ctgattctta | atataaatat  | ttgtttgtata | acgagcaatc | gtttctccta  | 1865100 |
| ccacatcctt  | ccatgcatcg | accagacgat  | attcatttaa  | aggggtttcc | agtccttcct  | 1865160 |
| gtctaagcag  | acggcgtatc | acctcaccta  | cctgctctgt  | attattctgt | ttcatgcttc  | 1865220 |
| ctcctcacta  | tggcgttcag | atacgactcc  | atcttccacc  | tcaaaaagtt | tataatctcc  | 1865280 |
| ttctattttt  | cgcagaatct | tatccagatg  | ttcacggttg  | gtatcggtaa | taaatatttg  | 1865340 |
| tccgaaaacta | tctcccgcca | ccaatttcac  | aatctgttcc  | acacgtgaag | catctagttt  | 1865400 |
| gtcgaatata  | tcgtccagca | acacaatcgg  | gcttgtctga  | ctccccgtcc | gttttagaaa  | 1865460 |
| ttcaaaactgt | gccagcttca | aagcaatcag  | ataagtttta  | ttctgtccct | gagagccttc  | 1865520 |
| tcgcttgata  | gggaaatcgc | ctaattgcat  | gatcagggtca | tccttatgta | tgccctcgagt | 1865580 |
| cgaatagccc  | aagatacggg | cacgctgccg  | ggtttctttt  | aattgctcca | aaagactacc  | 1865640 |
| ccctgcggca  | tgcgactcat | atgtaaggct  | gacgtgctct  | ctgtcttgag | aaatatatga  | 1865700 |
| atagtaagac  | tgaataacag | gtataaaactc | atcaataaat  | gccttgcgct | tgtgatatac  | 1865760 |
| cgtttcaccc  | gaagtagcca | tcatttcttc  | caaaccaac   | atcaattccc | cctccggctc  | 1865820 |
| catgtctgcc  | ttaagcaatg | aatttcgctg  | agaagtgct   | ttattatagc | gaatcaatgc  | 1865880 |
| atccaagtat  | tcacggtcga | actgagatat  | gacaacatcc  | atgaagcgcc | gacgctcctc  | 1865940 |
| gctaccaccg  | gcaatcaacc | atgaatcggc  | tggtgaaacc  | atgaccagcg | gaatcagacc  | 1866000 |
| gatatgatcg  | gacagacgag | aatattcttt  | cttattccgt  | ttgaactgct | tcttctgacg  | 1866060 |
| acgcttcaat  | ccgcaatata | cctcttcagg  | ctctccctga  | tcggtttctg | aaaatccttg  | 1866120 |
| cacgacaaaa  | aagtcgcgat | catgcaaaat  | attctgcgaa  | tcaatagcat | tggttgcact  | 1866180 |
| tttgcaaaaag | gataaataat | aaaccgcatac | cagtaaattg  | gttttcccca | ttccgttttt  | 1866240 |
| accgatgata  | cagttcattt | tatgagaaaa  | agcaagttcc  | acctgctcca | gattttttata | 1866300 |
| atttaataata | gagatgcgtt | taagccacat  | agttcaaaat  | ccttatttca | gcttacaaaa  | 1866360 |
| ttaacaataa  | aagcatgaca | gataaaaaaa  | catgctcgca  | aatttcattt | ataaatataa  | 1866420 |
| ataaactact  | tttgctgacc | gaaatgtaaa  | catattaaat  | aataagagaa | ataataaaaa  | 1866480 |
| cgattaaata  | aaatggcaga | acaaaaaacac | actcatgatc  | ctctgaatgt | agatgaagca  | 1866540 |

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| gctattgttg  | tcgttgatg  | cggacatta  | gcctacaaac  | atattattgg  | tgaacctaa  | 1866660 |
| gagttaaaag  | cttctgaagc | tctttttaaa | ggtgaacaat  | actttggcaa  | tgacaactac | 1866720 |
| gaagttgcac  | tgaaagggtg | cagcttggtt | tatactgggt  | tcttgaaaat  | tgagatgaa  | 1866780 |
| ttcagtggaa  | cagatgccgg | taacttggca | aatgcttatg  | caggtatctg  | ctatgcacag | 1866840 |
| cttggcaaat  | acgaagaagc | aacaaaatat | ttggataaat  | tcagtgcaga  | cgattacatg | 1866900 |
| gttgctccag  | ctatcatcgg | aacaatgggt | aactgctatg  | ctcagatggg  | acagcttgac | 1866960 |
| aaagctgctg  | ctaccctact | gaaggcagcc | gacaaagcca  | acagcacaac  | tttaagtcct | 1867020 |
| atttacttgc  | ttcaggctgg | tcagatctta | gagaaacaag  | gaaaaaatgc  | agaagctggt | 1867080 |
| gaagcataca  | agcagattaa | aacaaaatat | gcaaattctt  | accaggctat  | ggacatcgat | 1867140 |
| aaatatatcg  | atcgtgcctc | tatcaagtaa | gattatccta  | ctacttatat  | aatataaggt | 1867200 |
| attgtcattc  | ggagcaaagc | gaagaatctc | agatacatca  | acgtggatgc  | tcagagattc | 1867260 |
| aaactttact  | ccgaatgatt | tttttattca | gaactcataa  | attaaccatt  | taactatata | 1867320 |
| attattatgg  | caactgctta | tcataatcta | tccgactacg  | atttcaactc  | tgtacccgat | 1867380 |
| gcctctcaga  | tgcgcttcgg | cattgtagta | tcagaatgga  | acagcaatat  | tacaggagca | 1867440 |
| ttactttccg  | gtgccgtgca | gactctaaaa | aaacatggag  | caaaagatga  | aaacatccta | 1867500 |
| gtacaaacag  | ttccgggaag | cittgaacta | actttcggct  | ctgcacaaat  | gataaaaagt | 1867560 |
| ggaaaagtag  | atgctgtaat | agcacttgga | tgtgtggtac  | gtggagatac  | tcctcatttc | 1867620 |
| gactatgtat  | gtgctggagc | aaccaggga  | attactcaac  | tgaatgcaac  | taccgatacg | 1867680 |
| ccagtcattt  | acggattgat | tacgacaaac | aatatggaac  | aagccgaaga  | acgagctgga | 1867740 |
| ggaagattag  | gcaataaagg | tgacgaatgt | gcaattactg  | caataaaaaat | gatcgatttt | 1867800 |
| gcttgagat   | taaaaaaata | gttgtagctt | tgcaacgcaa  | ttgagaaaag  | cactagttaa | 1867860 |
| tcagttgcca  | aagggcaaat | accagagtgg | ccaaatgggg  | cagactgtaa  | atctgctggc | 1867920 |
| ttacgccttc  | ggtggttcga | atccatcttt | gccactaaa   | attgagggaag | tagctcagtc | 1867980 |
| gatagagcat  | tagccttcca | agctgagggt | cgcggttttg  | agtcccgtct  | tccgctcttt | 1868040 |
| gaaaatatat  | tgattacgtt | gggcaaatac | cagagtggcc  | aaatggggca  | gactgtaaat | 1868100 |
| ctgctggctt  | acgccttcgg | tggttcgaat | ccatctttgc  | ccactaaaat  | tgcggaagta | 1868160 |
| gctcagtcga  | tagagcatta | gccttccaag | ctgagggtcg  | cgggtttgag  | tcccgtcttc | 1868220 |
| cgctcttcaa  | aaggctcatc | attttatgtg | tgaccttttt  | tattatcccc  | taaaatcatt | 1868280 |
| aataaaaacca | aacagaaata | acaaacttca | cgctaatttg  | ttatattagt  | catataatat | 1868340 |
| tctccttata  | atcaaccttt | aaaattaaaa | tgaaatcatt  | atgaagaatt  | ttagagtcga | 1868400 |
| atcactaatc  | ctcgccctcg | gactgctttt | actaggtata  | tgcatcctaaa | gagggtttaa | 1868460 |
| ctcattcgca  | gaacgagaca | gaagtgttaa | cgtcaaagga  | cttgagaaa   | tggaagttcc | 1868520 |
| agccgacaag  | gtaatatggc | cgtaatgta  | taaaagtctg  | ggtaacgac   | tgaatgcttt | 1868580 |
| atacgataac  | atcaaaagct | caaacgcaac | cattacgcaa  | ttcttgaaag  | agaaaggcat | 1868640 |
| agatgaaaaa  | gaaattagca | tcaatgcccc | tgaaataatc  | gacttgagag  | ctgaacgata | 1868700 |
| cagtaacaac  | gacaacaacc | cataccgcta | caatgtaact  | actgttatca  | ccgtcacttc | 1868760 |
| caataaagtc  | gacttggtga | gaagcctgat | tgccgaacaa  | ggtgaattgc  | tgaaaagagg | 1868820 |
| aattgcagta  | accggaggcg | actatcggtt | caacgttcag  | tatgaatata  | cgggactcaa | 1868880 |
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| gtttgcaaaa  | gactccgaca | gcaaacttgg | caaaatacgc  | catgccagcc  | agggacagtt | 1869000 |
| tagtatttcc  | gaccgcgatg | ccaatactcc | ttatattaaa  | aaggtgcgcg  | tagttactac | 1869060 |
| tatcgactat  | tcactcgaag | actagacaaa | atcataacat  | accttacact  | tactcaaaga | 1869120 |
| gccgcaaaag  | ttcatcacgg | gagaatccaa | atgaaacctt  | agggctcttt  | ttatattact | 1869180 |
| tctctcctct  | ctctgaagaa | aaaggccaag | tttcatccga  | agattttacg  | aaaaaaaaca | 1869240 |
| ggaaaagttg  | tatcattcag | gattttatta | tacttttgca  | gccgatttat  | ataaacaata | 1869300 |
| taaagtctaa  | cacaattagt | tatttacaaa | caattttatta | attaatggaa  | aacttaaaaa | 1869360 |
| acattactcc  | gattgaagac | ttcaattggg | atgcttatga  | aagcggtgat  | gcagctacca | 1869420 |

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| gtgaggttgt  | agacggtact | gtaatcgcaa  | tgaacaaacg | tgaagttgta  | gttaacattg | 1869540 |
| gctacaaatc  | agacggtatc | attccgttga  | gcgaattccg | ctacaatcct  | gatttgaaag | 1869600 |
| taggtgatac  | tgtagaagta | tacatcgaaa  | accaggaaga | caaaaaagga  | cagttgatcc | 1869660 |
| tgtcacacaa  | gaaagctcgc | gctactcggt  | cttgggatcg | tgtaacgct   | gctcttgaaa | 1869720 |
| acgaagaaat  | catcaagggt | tacatcaagt  | gccgcactaa | gggtggtatg  | attggtgacg | 1869780 |
| tattcggcat  | tgaagcattc | ttgccgggtt  | ctcagatcga | tgttaaacct  | atccgcgact | 1869840 |
| acgatgtatt  | cgtaggaaag | actatggaat  | tcaaagttgt | taaaatcaac  | caggaattca | 1869900 |
| aaaatgttgt  | tgtttctcac | aaagctctta  | tcgaagctga | actggaacag  | cagaagaaag | 1869960 |
| aaatcatcag  | caaacttgaa | aaaggtcagg  | tacttggaag | tactgttaaa  | aatatcacat | 1870020 |
| catacggtgt  | attcatcgac | ttgggcggcg  | tagacggttt | gatccacatc  | acagacttgt | 1870080 |
| cttggggccg  | tgtaagcgat | cctcatgaag  | ttgtttcttt | ggatcagaag  | ttgaacgtag | 1870140 |
| ttatcctcga  | cttcgatgat | gaaaagaaac  | gtattgcttt | aggtttgaag  | cagttgactc | 1870200 |
| cgcacccatg  | ggatagcctt | gatccgaact  | tgaaagttgg | cgatcacgtt  | aaaggtaaag | 1870260 |
| ttgtcgttat  | ggctgactat | ggagcattca  | tcgaaatcgc | tccgggcgta  | gaaggtttga | 1870320 |
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| taggcgacga  | aatcgaagct | gttatcctga  | ctctggaccg | cgaagaacgt  | aagatgtctt | 1870440 |
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| gttctaagca  | tgttgctaaa | gtacgtaact  | tcactaactt | cgggtgtattc | gtagaaatcg | 1870560 |
| aagaagggtg  | agacggcttg | atccacatct  | ctgacctgtc | ttggactaag  | aagatcaaac | 1870620 |
| atccttctga  | atttactcag | attggtgcag  | acatcgacgt | tgttgttttg  | gaaatcgaca | 1870680 |
| aagaaaaatcg | tcgtttgagc | cttggtcaca  | agcagttgga | agaaaaccca  | tgggatgtat | 1870740 |
| tcgaaacagt  | atttactgta | ggttctatcc  | acgaaggtag | tatcatcgaa  | atgttggata | 1870800 |
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| ctgcacggag  | atcattgtct | cggctctgatc | ggactcatct | ccaccttcgg  | catgctggaa | 1871580 |
| cgcacagccg  | acttacatat | ttattgccat  | cctgaactgg | aacaactgct  | taccacacac | 1871640 |
| cttgaattct  | tctgcaaagg | tatgccgtac  | aaggttatct | ttcatccatt  | taatcctaaa | 1871700 |
| gagcaacagg  | ttatttacga | tgaccgctcc  | gtcacggtag | aaacaatccc  | tttacgccat | 1871760 |
| cgtttgccta  | catgcgggtt | tctctttcgt  | gaaaagccta | cgcccaacca  | tataaagcgt | 1871820 |
| gacatgatag  | atttttacaa | catcccgata  | tgcttgatca | accgcataaa  | gaacggagaa | 1871880 |
| gactacatca  | cagaggaagg | tacagttatc  | cccaacgaac | ggctgactac  | gccctccgac | 1871940 |
| cctccccgct  | cgtatgcata | ctgttcggat  | acagcctatc | ttccacgtat  | caccgagcaa | 1872000 |
| ataaaaaggcg | tagacctcct | gtttcacgaa  | gcaacttttg | ccaagacaga  | agcagcacga | 1872060 |
| gcccgtcaga  | ccatgcattc | tactgccgaa  | caagctgcta | ccatagcccg  | cgatgcacaa | 1872120 |
| gtccgacgcc  | tgctcatcgg | tcatttctct  | gcaagatatg | aagaagaaga  | aaccctgctg | 1872180 |
| aaagaggcac  | aagccatctt | ccccgatagc  | ctgctggcac | aggaaaacat  | gaatatcgca | 1872240 |
| ctttaagtaa  | agaagttaat | aaaactcaac  | ctgcttaaac | ccttccatta  | catatcaatc | 1872300 |

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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
| taaaaaaciaa | cggaacaacg | aagttaataa  | aatatgaata | catataacga  | agaagatgtc  | 1872360 |
| atcgaccgac  | tgcaatatcc | ggaaacacaa  | cgagaagctt | tcggagaagt  | agtaaaagca  | 1872420 |
| tatagcgaac  | agctatactg | gcaaatacagg | cgaatggtcc | tctcgacga   | caacgcaaac  | 1872480 |
| gacttggtgc  | aaaatacatt | catcaaagca  | tggagcaacc | tgagctatct  | tcggggagag  | 1872540 |
| gccaaacttt  | ctacatggct | ataccgtata  | gccttgaatg | agagcttgaa  | tttctgaac   | 1872600 |
| aaacagcgtg  | cccagaacca | actttccatc  | gacgacgcag | aggctgttgc  | cctgagcaag  | 1872660 |
| ctagaaaagt  | acccttactt | cgatggcgac  | aagacacagc | tattattcga  | aaaggcaatt  | 1872720 |
| caaactttac  | ccgaaaaaca | gcgaatggtc  | ttcaacctga | aatatcttca  | ggagatgaaa  | 1872780 |
| tacgaagaga  | tatccgacat | tttggaacc   | agcgtaggag | ctctcaaggc  | ttcctatcac  | 1872840 |
| catgccgtaa  | aaaaaataga | agaattttta  | agccaaaacg | attaaacctt  | atgagcaaac  | 1872900 |
| agctatctaa  | gaaaataaag | gaggataaca  | tactatgaag | gaagataaag  | atttactgaa  | 1872960 |
| aaaatacggg  | aagaagaatc | cttttactgt  | tcctgaagga | tatttccaaa  | atttcaacga  | 1873020 |
| aaggctgatg  | gagcaacttc | ctgaaaaaga  | agtcattctc | gaacccgaaa  | tcagaacatg  | 1873080 |
| ggaccgtatc  | aaaccgtggg | tctacatggc  | cgctatgttc | gtcggattaa  | tggtttaccgt | 1873140 |
| ccgtgcattt  | gtaggagagc | aacgtctgca  | aaacgcaggt | atagaaacag  | aaacagagaa  | 1873200 |
| ctataccgaa  | atacccgacg | aatacattga  | cccgatcgct | aatcagacaa  | tgatggatga  | 1873260 |
| ttatgaatta  | taccaatatc | tgactgatgc  | cgaaccaaat | atttacaact  | aaataagctg  | 1873320 |
| aaccaagatg  | aaaaaactat | tgtatatact  | agctcttctc | attgcttttt  | gcagcaacct  | 1873380 |
| acaagcacia  | aaagccaaac | tgagcaaaga  | agaattccgc | aaagtacaag  | aaaaattcat  | 1873440 |
| aaccgaaaag  | gctagtctta | cggcgaaaga  | ggcgaaacaa | ttcttccgc   | tctattttga  | 1873500 |
| gttgcaagac  | aaaaagacat | ccctcaacaa  | agaagcctgg | cacaaaatca  | gacaaggcaa  | 1873560 |
| acaggaaaac  | gtaagcgaag | aagaatacaa  | tcaatttgtg | gaagatgtaa  | taaaaacacg  | 1873620 |
| catccagata  | gaccaactcg | acctagacta  | tgtacggaaa | tacaagcagt  | ttctccccgc  | 1873680 |
| aaaaaaaaatt | tatgacattc | agcggggccg  | aatgaaattt | cacagagaac  | tactaaaacc  | 1873740 |
| caaaaagaag  | aaatagtccc | tattcaaacc  | gttgatacat | gatgttttaa  | agaagaaaag  | 1873800 |
| accggattca  | gacattattc | ttcaaagcct  | gaatctggct | tttttcatgt  | ccaccgatac  | 1873860 |
| cggaaacgata | gttaccgtta | cagtccttcc  | tgcttggctt | cgttccagac  | agcatccatt  | 1873920 |
| tcctcgagcg  | acatatcagt | caggttcttg  | ccctgtttta | tcgtatgttc  | ctccagataa  | 1873980 |
| ttgaagcggc  | ggataaattt | ctggttcgta  | tggtccagcg | cattatccgg  | attaatctta  | 1874040 |
| tacaaacgag  | ccgcattgat | caggctgaac  | atcacatctc | caaattcagc  | ttccgccttt  | 1874100 |
| tccttgtcca  | tggtggccac | ttctgcttca  | aactcaccga | tttctctttt  | caccttactc  | 1874160 |
| cagacttgct  | cgcgctcttc | ccagtcgaag  | cccacattcc | gagccttgct  | ctgtatgcga  | 1874220 |
| taagccttga  | tgagtgaagg | aagcgcgtcg  | ggaacccac  | tcaagaccga  | cttgtttcca  | 1874280 |
| tctttctcct  | tcagttttat | ctgctcccag  | ttctcagaaa | cctgttcggc  | cgtatcagcc  | 1874340 |
| ttaacctctc  | caaaaacatg | aggatgacgg  | aatatcagct | tgctcgaaaag | tttgtcacat  | 1874400 |
| acatctttta  | tatcgaacgc | accggtttca  | cttccaattt | tgcatagaaa  | caccacatgc  | 1874460 |
| aacaggacat  | cgcccagttc | cttgcaaatg  | tttttctggt | cgttcttcat  | cagagcatca  | 1874520 |
| catagttcat  | atacttcttc | tatcgtattg  | ggcgcaaac  | tttcattggt  | ctgcttcctg  | 1874580 |
| tcccacggac  | attttactct | cagttcatcg  | agcacatcga | gcagccgccc  | gaatgcttcc  | 1874640 |
| atctgttcct  | ttctagtatg | catatacatt  | ttttcttatt | ttcggcacac  | aaaattacaa  | 1874700 |
| ataaattgga  | ttttatgata | gaaaatacta  | tttttgtaat | aatagataaa  | aaatatatat  | 1874760 |
| caacttgtag  | ccaaattaac | caacaaaata  | tacacaatta | tgaatacaca  | aagcatttca  | 1874820 |
| gactgtgcaa  | aagcagtatg | gcgtctgctg  | cacggagata | acagaaaatg  | ggagtatcaa  | 1874880 |
| gaactgaaaag | aggcaaccgg | actgcgcgac  | agggatttga | atgccgctat  | cggctggttg  | 1874940 |
| gcttgtgaag  | gaaaaatcca | gtttgatgac  | agtgtaaaag | gacaaaatac  | tgcatatatat | 1875000 |
| attgagttga  | gctattatat | aggatagtag  | caataaaaaa | atgcgttgta  | actccgctgc  | 1875060 |
| tctgacgggtg | tttcaacgca | tttttctgat  | acttcaagat | tttgctttat  | ttcaacttaa  | 1875120 |
| taaacaattc  | accttccact | tcgcttggtt  | caatcttgct | ttctctcaat  | aaccaaccca  | 1875180 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| atccaaggaa  | caaactcttg | tcggctctca | gtttggtagc  | cttcttcagt  | cccttctgag | 1875240 |
| tcattccttc  | atttccattt | agtgtctccc | agatttgtcc  | ggcgatagca  | cctgtctttt | 1875300 |
| cttghtaacat | agttctctac | tttaaaatgt | aatattttac  | ttcttatata  | aaagaagtgt | 1875360 |
| ttgtgtatat  | tgctatgcaa | atgtaacgaa | aaaaaacatg  | aagatgcctt  | tttatggaaa | 1875420 |
| aatatttttga | atatgactgt | tttttactca | aaagaaccca  | tttataggca  | aactaatgac | 1875480 |
| attttatctg  | caaagtgtta | ccttacgccg | acagaaaccg  | ggaagaacag  | catcgaaaaa | 1875540 |
| gctttatttt  | ttgtacaaaa | aaaataagtt | tttgtacaaa  | aaataaaaaat | tcctcccgcg | 1875600 |
| aaaacagaca  | aaactctgcc | tgcttccaaa | agaaagccct  | cctccccctt  | ccgtacaccg | 1875660 |
| gcagtcgcca  | caaaccggca | gtgaaggggg | tgaagggcaa  | aaaacgggat  | ttttttttaa | 1875720 |
| ttttaccttc  | tttttccagg | aatcttccaa | atatgcgagc  | ggcagtttct  | accattctga | 1875780 |
| cacacggacg  | cttggcataa | tactgggctg | tacgtgcttc  | gggagtggaa  | acaaccggct | 1875840 |
| cattcttttg  | cagtcccaac | aagtcggcac | aacgcaaggc  | tcctgtttcc  | tgacggaact | 1875900 |
| tttccgccag  | ttcctgaacc | agcgcataat | tggcagcctt  | actttcacgg  | tcgctcctt  | 1875960 |
| cgagtgcgca  | acgtcccaga | ccagccagca | aaaacattcc  | gcaagcagct  | ccacaagtct | 1876020 |
| cacgcatgcg  | gccaatgcct | cctccaaacg | aagcagacat  | gtgtaaagct  | tgttcctgag | 1876080 |
| taaatccata  | cagatcgcca | tatgcagcaa | cgaccgactg  | tgaacagtta  | taaccctctt | 1876140 |
| taaagaaaagc | catagctttc | tgtatacggt | cttcttttgt  | catatatcaa  | gtacattatt | 1876200 |
| aattgtattt  | ccttccatcc | atgctttcag | attttctacc  | gcctgggtca  | tcaggcgtgc | 1876260 |
| acgcgactca  | cgggtagccc | atgcaatatg | gggagtaatg  | aaacagtttg  | tcaacttcag | 1876320 |
| caacggattg  | cgggtgaag  | cgggttccga | cgaaagtaca  | tccagtcccg  | caccaacag  | 1876380 |
| ctttccgctc  | agcaaagcct | gttccaatgc | cttctcgtct  | atcagtccac  | cacgactggt | 1876440 |
| attgatcaga  | atagccccct | gtttcatcag | cgaaagacga  | aatgaattga  | ccatctcttt | 1876500 |
| gttctccgaa  | gttaacggac | aatgcaagct | gactacgtca  | ctcatagaga  | acagttcatt | 1876560 |
| caatgtcact  | ttctgatatc | ttttcggaag | catctttttc  | ggcttgctgg  | tatacagcag | 1876620 |
| gatatccatt  | cccaaagctt | cggctattcg | tgctgtagcc  | tgtccggtat  | ttccaaaacc | 1876680 |
| gacaatgccc  | attttctttc | cagccaactc | aatcagcgga  | gtattccaat  | agcagaaatc | 1876740 |
| cagttgtgca  | ctccacacac | cgttatgtac | ctctctggca  | taatgatcca  | cccgtgagt  | 1876800 |
| gatgttcaac  | aaatgtgcga | taaccatctg | ggcaaccgac  | atcgtactat  | atgccggaat | 1876860 |
| gttcgttacc  | acgattcccc | gttgacgtgc | cgcattccaga | tcgacgacat  | tgtatcctgt | 1876920 |
| tgccagaact  | cctatatact | tcaacttagg | caacagatcc  | agaaccaatc  | tgtccaatac | 1876980 |
| agttttatta  | gtcagtagca | catctgcatc | ctctgcccga  | cgtaccacat  | cctgtgggga | 1877040 |
| agttcgggtca | tgaacaatca | cttctcccag | ctcctccaac  | tcttcccatc  | tcctttcgcc | 1877100 |
| gggattcagc  | gtataagcat | ccaaaacaac | aatcttcata  | tatctcctca  | tttctttatt | 1877160 |
| attctttgaa  | acggtctccc | catagctgca | ccatcctttc  | cttaagtttg  | gcttccgagg | 1877220 |
| cattttcctg  | cgcatgccag | aggcgtgct  | gctgcacttc  | gtcgggcagg  | aactgctgcc | 1877280 |
| gcacgaaatt  | acctttataa | gcatgggcat | acttgtagtc  | tttgccatat  | cccagctgct | 1877340 |
| tcatcagctt  | agtaggtgca | ttgcgcaa   | gcagcggaac  | cgggaagattc | cctgtctgcc | 1877400 |
| gaaccagttc  | gagtgcgcaa | ttaatccctt | cgtacgccga  | attacttttc  | ggacttgtgg | 1877460 |
| ccagataaac  | cgtagcctca | gccagcgga  | tacgcccttc  | aggccatccg  | atcttcatca | 1877520 |
| cggcatcgaa  | ggcagcattt | gccagaagta | acgcattcgg  | attggcaagt  | ccaatatcct | 1877580 |
| cagaggcaga  | tattaccaga | cgtcgggcaa | tgaagcagg   | gtcttcccca  | ccctctacca | 1877640 |
| tacgggcgag  | ccagtataac | gccccatccg | gatcacttcc  | acggatagac  | ttgataaagg | 1877700 |
| ccgaaatgat  | atcgtagtgc | atttctccat | ctttatcgta  | tgccagcgga  | ttttgctgta | 1877760 |
| aacgctccac  | gactttctcg | tcggtcacca | ctacaggtac  | actgtcatcg  | gcctcaacca | 1877820 |
| ccagctcgag  | tatgttgagc | agtttccggg | catctcctcc  | tgaataacgc  | agcatggcat | 1877880 |
| ccgtttcacg  | caactctacc | tgcttttctt | tcaatatggc  | atccgtgggt  | atggcacggt | 1877940 |
| gcagcagttc  | cagtaagtca | tctttctcga | gtgacttcag  | cacataaagc  | tggaacgcg  | 1878000 |
| aaagcaacgg  | acggatgact | tcgaacgaag | gattctctgt  | ggttgctcct  | atcagcgtaa | 1878060 |



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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| cgacacctgt  | ttcaacagcc  | cccagcaagg | aatcctgctg | cgacttgctg  | aaacgatgta  | 1878120 |
| tttcatcgat  | gaaaagaatc  | ggactctgtt | gcgaaaaaaa | acgattgctc  | catgccttgt  | 1878180 |
| cgattacatc  | gcgcacatcc  | ttcactccc  | acgttacggc | acttaatgta  | taaaaaggag  | 1878240 |
| tttccagacg  | attggctata  | attcttgcca | acgtggtttt | ccccactccc  | ggaggtcccc  | 1878300 |
| ataaaataaa  | agaagagatg  | cgtccggcat | caatcatccg | cctcagcacc  | gcccccttctc | 1878360 |
| ctaccagatg  | tttttgccct  | atgtattcgt | ccagcgtttt | cggacgcata  | cgttcagcca  | 1878420 |
| acggttgagc  | catactatat  | ttcttttgta | atattattat | ctaccttcac  | cttattatca  | 1878480 |
| tcatcctctg  | agaaatgtcc  | cattcccaac | aacagagagt | acgatcaatg  | tacactctgt  | 1878540 |
| ctagcgaaat  | tagtgatttt  | ttttcgatta | gagaaatata | cacgactcat  | taatataaca  | 1878600 |
| acacaatttg  | gaaaagacat  | tccaatctct | ttcggaatgt | cttttccact  | cacatcattt  | 1878660 |
| caactgaatgc | tgaggggctg  | gaattgcacc | caattgctgc | aacatcgtaa  | acaaatcggg  | 1878720 |
| caatccgtgt  | tcacgtataa  | ttttgccatc | tttcaactga | taaatattca  | tggcagttac  | 1878780 |
| cttgacaggt  | ttaccgtag   | caggtattcc | cataaacgga | caggtctgtg  | ttccgctcat  | 1878840 |
| tgtaaaacga  | atcatgacct  | tatcaccttc | cgcaatacat | tcttctgctt  | tccattgaac  | 1878900 |
| atccggcatc  | gtcccccgca  | tcatgttgag | cacggccata | tatccgtcaa  | atccacgcaa  | 1878960 |
| aggctcagaa  | gatgtcggag  | catagaaaat | aacatccggc | gcaataatag  | cttcgccgat  | 1879020 |
| agcaggatcg  | cccgtattaa  | tgaaacgaat | aaattgttcc | atcacctgtt  | tgttcttttc  | 1879080 |
| tgttacagaa  | acttgtttat  | catcagtact | tttcatatac | atttatttta  | tagatacata  | 1879140 |
| tagaattttg  | ataaaattac  | acctcatcca | tcaattgtgc | aagaagttac  | tttttagact  | 1879200 |
| gataagtaacc | tttttctcac  | ttttacagag | aatcaggacg | attcggaaaag | tgtaaaaaaa  | 1879260 |
| aataaaaaata | cgtctttaat  | catttaatga | atctatgtat | taattttgca  | atgtgaattc  | 1879320 |
| aatctaaacc  | tacagaaatg  | ctaagaaaag | aacaacgaaa | ctcaattatc  | gaaatctgcc  | 1879380 |
| ctgtccgtaa  | cgtaattgct  | cgctttggca | ataaatgggc | cttattagtg  | atattgattt  | 1879440 |
| taagcgaaaca | cgagaaaatc  | cgtttcaacg | aactacgtca | gttaattccc  | gatatatcat  | 1879500 |
| cacgggtatt  | gtctggcaca  | ttaaagacac | tagaaaccga | tgcccttggt  | ctccgtacaa  | 1879560 |
| cttatccgac  | tgttcctcca  | aaagtcgaat | atcaactgac | ggaattaggg  | cggctcgctcg | 1879620 |
| tacctatcat  | aaccctaactg | acagaatggg | cacagacaaa | cttgaaaaca  | atagtcacgc  | 1879680 |
| accgaaaaga  | gttcgaggaa  | aagcatcagg | agaatagga  | tctattttcc  | aaaaggaata  | 1879740 |
| tcaactttcg  | tcatgccgtc  | tctgaagaaa | atttttattt | cttatataaa  | aaagctgaat  | 1879800 |
| agaaccaaaaa | gaatctgttt  | ggcaaagaaa | aatttcccaa | acaacagctc  | acaaaagggc  | 1879860 |
| aataaaaaaaa | gcctcttttc  | acaaagaagc | ttttttaagt | tttcaatagg  | tattagtttt  | 1879920 |
| ttttaaggta  | aaaagattgt  | tttcaggata | acgctacaaa | gatgcgggct  | ttttttgaac  | 1879980 |
| taaacaaata  | aaaaactatg  | tcttaaaaca | tgtttattgt | ttttcttcgt  | ttacattctg  | 1880040 |
| tcaagctctc  | gctcttcaat  | agtattacaa | agataaaaaa | tatttcttaa  | aataaaacct  | 1880100 |
| tttcaagctt  | ttttctcacg  | tttgatatac | atattatatt | tcagggaactt | tacaaaaata  | 1880160 |
| taccagaatt  | ctccataaaa  | cagaaattgt | cagtcttttt | cttatttcaca | tctatcatat  | 1880220 |
| atttacactt  | caggcaaaaa  | caaaaaaat  | tcagcaatcc | gacattttttc | ttcctgtctt  | 1880280 |
| ccacagccac  | aacttgtaat  | tcgagaagtt | attttataaa | ttaactacta  | gtatcatctt  | 1880340 |
| tcttttatag  | gtagttcagg  | aaagaatcat | tatttttgca | aacaaaagtg  | taaaacgaaa  | 1880400 |
| acgctatgac  | agaaatgaaa  | gtaacggaaa | gttctgaaaa | gaaaagtctg  | aactttattg  | 1880460 |
| aacaaattgt  | agaaaaagat  | ttgaaggagg | gaaagaacgg | aggaagaata  | cagaccggtt  | 1880520 |
| tcccgctga   | accaaacgga  | tatttacata | taggccacgc | taaggccatc  | tgcatggact  | 1880580 |
| tcggtatcgc  | ccagaaatat  | ggaggtgtat | gcaacttgcg | cttcgacgat  | acaaacccga  | 1880640 |
| ccaaggaaga  | tgtagaatat  | gtagaagcaa | taaaggaaga | cattcagtg   | ctgggatatc  | 1880700 |
| agtggggaca  | cgaatattat  | gcttccgact | acttcagca  | gctgtgggac  | tttgccattc  | 1880760 |
| gccttattaa  | agaaggtaag  | gcttatgttg | acgaacagac | ttcggaagaa  | attgcagccc  | 1880820 |
| agaaaggtag  | tcctacacaa  | cccggagtag | aaagtcctta | ccgtaaccgt  | ccgatagaag  | 1880880 |
| aaagtctggc  | tcttttcgaa  | aagatgaaca | acggtgaaat | agaagaaggt  | aagatggtac  | 1880940 |

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|             |             |            |             |            |            |         |
|-------------|-------------|------------|-------------|------------|------------|---------|
| ttcgcgccaa  | gatagatatg  | gccaacccga | acatgcattt  | ccgcgaccg  | attatctacc | 1881000 |
| gtgtcggtta  | aactcctcat  | caccgtacgg | gagataaatg  | gaaggcttat | ccgatgtacg | 1881060 |
| actttgcaca  | cggacagagc  | gactattttg | aaggtgtaac  | tcactctctg | tgtacactgg | 1881120 |
| aatttgtggt  | tcaccgtccg  | ctgtatgatt | tgttcgtaga  | ctgggtaaaa | gacggaaaag | 1881180 |
| atctcgacga  | caaccgtccc  | catcagtatg | agttcaacaa  | actgaacctc | agctacactt | 1881240 |
| tgatgagtaa  | acgtaacctg  | ctgattctgg | ttaaagaagg  | tctggtaaac | ggttgggatg | 1881300 |
| atcctcgtat  | gccgactatc  | tgcgcatctc | gccgcagagg  | atattctcca | gagtctatcc | 1881360 |
| gcaagttcat  | cgataaaaac  | ggttatacta | cttatgacgc  | gctgaacgac | ttcgccctgc | 1881420 |
| tggaagtg    | tgtccgcgaa  | gacctgaacg | cacgctctac  | acgtgtttca | gctgtgctga | 1881480 |
| atccggtcaa  | gctgattcct  | accaactatc | cggaaggaaa  | ggtcgaagag | atggaagcta | 1881540 |
| tcaacaaccc  | ggaagatccg  | aactcaccta | ctcacatcat  | cgaattcagc | cgtgagttgt | 1881600 |
| ggatggaacg  | cgatgacttc  | atggaagatg | ctccgaagaa  | gttcttccgt | atgaccccg  | 1881660 |
| gacaggaagt  | ccgtctgaag  | aatgcgtaca | tcgtgaagtg  | taccggatgc | aagaaagacg | 1881720 |
| aaaacggaaa  | cgtggtagaa  | gtatatgccg | aatacgatcc  | gaataccaag | agcggcatgc | 1881780 |
| cagaagccaa  | ccgcaagggtg | aaaggtacat | tacactgggt  | aagctgcaat | cattgcttga | 1881840 |
| aagcagaagt  | ccgcttgtag  | gaccgcttgt | ggaaagttga  | aaacccgcgt | gacgaaatgg | 1881900 |
| ctgctatccg  | tgaagcaaag  | aactgctcgg | cactggaagc  | gatgaaggaa | atgatcaatc | 1881960 |
| cggattcact  | gaaagtctctg | aaggaatgtt | atgtagaaaa  | attcctggca | gatgccaac  | 1882020 |
| cactcgacta  | cttgagttc   | caacgtatcg | gatacttcaa  | tgctgataag | gattctactc | 1882080 |
| cggacatct   | ggtattcaac  | cgtaccgtat | cgctgaaaga  | tacctggagc | aaaatcaata | 1882140 |
| aataagcata  | ttataaccatt | tggtataaaa | gccagaaaca  | cagattgctc | aaaaactgta | 1882200 |
| cacatatgaa  | aagatgggga  | catgcatttg | cgtaatctgc  | gtttttat   | atatctcttt | 1882260 |
| ttaaaaaaaa  | catcaaatta  | tgaaggacga | cttgtcttca  | atcttccata | aaccagagtt | 1882320 |
| caaacagttg  | ctggctaaat  | attcggatat | gatagagaat  | catacctcta | tttacctgga | 1882380 |
| acctgacgaa  | atcaccttat  | tggccgaatt | ttacgccagt  | atgggaaata | tcagagcttc | 1882440 |
| tgaagaagta  | gtggactatg  | gcctgtcgct | tcattccggac | aatctagaca | tattgatatt | 1882500 |
| caaattgccac | aacctgattg  | tcaaaggata | taccatcgaa  | gcacaggaag | tactcaactc | 1882560 |
| catagcagat  | acgaacgact  | atgagataag | attattgcag  | gccgaactct | atctggcaca | 1882620 |
| aaaacggaac  | caagaggccg  | acgaactgct | ggaacagctg  | tatcaggacg | agaaagatat | 1882680 |
| agacaccatg  | ctcgacatcg  | ctcacctgta | catggacgac  | cacaaaaaga | aaaacgcata | 1882740 |
| ccactggtta  | cagaaagcca  | gcagccagga | cccggataac  | ctgggcgtat | tggaagagct | 1882800 |
| agcgtcttat  | tacttttagct | ttggcaatcc | ggaagaagct  | gccgacctat | acaaccggct | 1882860 |
| actcgacgag  | gctccttata  | ccatcgattt | ctggcataac  | ctgatacggt | gctatctccg | 1882920 |
| tatgtataag  | ccggaaaagg  | ctatggaagc | agtcgacttt  | gccatggcca | tagacgaaac | 1882980 |
| gaacctgata  | acatgggagc  | tgaagaaata | tgcgctgctg  | ctggaaaatg | aaatagacaa | 1883040 |
| agcattggag  | tgctttttct  | acattgaaaa | gtatactaca  | gaaaagccat | acatccagaa | 1883100 |
| tatcattctg  | tctatctatt  | tccttacgca | aaattatcag  | aaagtactgg | aatatgccga | 1883160 |
| caaaaataacg | aagagtggca  | accttgccga | cttcgaaatg  | gcagctctgt | atcataaaaa | 1883220 |
| aggatactca  | catttgcaac  | tgggaaatgt | ccaaggctgc  | gaagaggata | tcgaacaagg | 1883280 |
| actggcatac  | gataaccata  | acagtgatct | ctacctgcta  | aaaggagaat | tacagcttac | 1883340 |
| agaaggcaaa  | ccggaagacg  | cgcaacaggc | attccactac  | ggccgcctgt | ttgctgaaga | 1883400 |
| tgaacagat   | gccatttctt  | acacaggaaa | tgcttacttc  | catcacaat  | actggcaaca | 1883460 |
| ggcattgagc  | tgctttaagg  | aacaggaaga | acttgctcct  | gaaacaatgc | gtatccatta | 1883520 |
| ttaccatata  | gcctattgtt  | actatcgcat | gggactggaa  | gaggaaatgc | tgacctatct | 1883580 |
| ggtacgagga  | gccatcttct  | ctcccgaatc | actgaaagag  | gaagcacagc | atcatacacc | 1883640 |
| cttcgaagag  | gatgtacatt  | tccttgaact | cggaagggt   | gttttccaga | aaattgaaaa | 1883700 |
| tggaagaaatc | aatcctatga  | agtatctcca | agattaaggg  | tataataaaa | ctgaaagcaa | 1883760 |
| aagaaaagt   | tttctgacaa  | atgtttgggt | tttacattta  | atcactttat | atttgccacg | 1883820 |

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| aacaaagaaa  | taaatcaagt | atgaataata  | atctgactat  | ccgccatcat  | catgctcctg | 1883880 |
| acgtaaaaaat | acggtaggct | gatgtgtcgt  | acagttacag  | aaatagaaaag | gcttgccgta | 1883940 |
| ttgcggtaaag | ctttttttta | ttcgataaatt | taaatttaaat | agaatatgct  | tagaattgcc | 1884000 |
| gtccaatcaa  | aaggccgttt | gtttgaagat  | actatggcct  | tgtttgcaga  | agcagacatc | 1884060 |
| aaactatcta  | cttcgaaacg | taccttgctt  | acgcaagcat  | ccaattttcc  | aattgaagtt | 1884120 |
| ctctttctgc  | gcgatgacga | tattccgcaa  | agtgtggcaa  | gcggagtagc  | cgacttgggt | 1884180 |
| atcgtaggtg  | aaaatgaata | tgtagaacga  | gccgaacgtg  | ctgatatcgt  | ttaccgtctg | 1884240 |
| ggattcagca  | agtgcagatt | atcgctggct  | attcacaagg  | aagaagaata  | caacggacca | 1884300 |
| tcgtggttca  | acggtaagaa | aatcgcgacc  | tcttatcccg  | gtatcctgaa  | aacctatttg | 1884360 |
| aaagagcaag  | gtatcgatgc | cgatatccat  | gtcattaccg  | gatcagtaga  | gatcgctccc | 1884420 |
| ggcataggac  | tttcggatgc | tatatcgtat  | attgtcagtt  | ccggttctac  | gctgatcagc | 1884480 |
| aacaacctga  | aagaagtgga | agtgggtgatg | aaaagtgaag  | cattgctgat  | aggcaatccc | 1884540 |
| aatctgacac  | cggaaaagca | ggaagtactg  | aaagagtttc  | tattccgtat  | agaagccgta | 1884600 |
| aaagctgctg  | aggataagaa | atatgtgctg  | atgaacgctc  | ctactgataa  | ggtaaaagaa | 1884660 |
| atcacagccg  | tcttgccggg | cataaagagt  | ccgacaatca  | tgcctctggc  | aacagaagga | 1884720 |
| tggagcagtg  | tacacacggt | aatcgaccag  | aaatgttttt  | gggaaatcat  | cggcaacta  | 1884780 |
| aaggcactgg  | gagcccaagg | catttttggt  | ctgcctattg  | agaaaatgat  | tttatgattt | 1884840 |
| atgaattaaa  | aatgtctcgc | attatgaata  | tcatacgtta  | ccccgaacgc  | ccgaaatgga | 1884900 |
| aagaactgct  | gaaacgttct | gccctgcaca  | ccgaagatct  | ccgtgaaact  | gtttgtaaaa | 1884960 |
| tactgggaga  | aattcgggca | gaaggtgatc  | gtgctgttat  | ccgtttcgaa  | gagcaattcg | 1885020 |
| acaaagtaaa  | attagattca | ctggaggtta  | cggaaaaaga  | atttgaggaa  | gccgaaaaag | 1885080 |
| cagtcgacgt  | aaaactcaaa | gaggccatta  | tgctggcttt  | gaacaatatc  | cgcacgttcc | 1885140 |
| atgccgcaca  | aaaatttgag | ggaaagaaaag | tagaaacact  | tccggggcgtc | acctgttggc | 1885200 |
| agaaaagctgt | tgccatagag | aaagtaggtc  | tttatgtacc  | gggcggaaca  | gcccccttgt | 1885260 |
| tctctaccgt  | actgatgctt | gccactccgg  | cacaaattgc  | cggatgcaag  | gaaatcatat | 1885320 |
| tgtgtacacc  | tcccgaaccg | gaaggtaaaa  | ttcatccggc  | tatcctgtat  | gcagcacgcg | 1885380 |
| cggctggtgt  | aaaaagagta | ttcaaggccg  | gtggagtaca  | agccattgga  | gccatggcat | 1885440 |
| acggtactga  | cagcattccc | aaagtatata  | agatattcgg  | accgggcaac  | caatatgtca | 1885500 |
| caatagccaa  | acagcaggtt | gccctgcgtg  | atgtagccat  | tgacatgcct  | gccggaccat | 1885560 |
| cggaaagtgg  | ggtacttgcc | gataacacag  | ccaatccggt  | atttgttgcg  | tccgaccttc | 1885620 |
| tctcacaggc  | tgagcatggt | gccgacagtc  | aggccatact  | gataacaacc  | tccgaaacac | 1885680 |
| tgattgacga  | ggtagcggca | gaagtagacc  | ggcaactggc  | tgagcttccc  | cgcaaggctc | 1885740 |
| tcgccgaaaa  | atcacttcag | tcgagtaagc  | ttattctggt  | aaaagaaatg  | caagaagctg | 1885800 |
| tcgacatgat  | caatgaatac | gcacctgaac  | atttaatcat  | cgagacaaaa  | aattacatgg | 1885860 |
| atatagccaa  | tcaggttgct | aatgccggct  | ctgtatttct  | gggctcatac  | tcaccggaaa | 1885920 |
| gtgcggggcga | ctacgcatcg | ggtaccaacc  | acacccttcc  | aaccaacggc  | tatgccaaag | 1885980 |
| cttacagcgg  | tgtcagtctg | gacagcttta  | tacgcaagat  | aaccttccag  | gaaataacgc | 1886040 |
| gcgatgggat  | cgctgccctc | ggaccggcca  | ttcaggtaat  | ggctgccaac  | gaacatcttg | 1886100 |
| atgctcataa  | gaacgccgta | accgtacgac  | ttaatgaaaa  | actctaactg  | acaagaaaag | 1886160 |
| ttatgaaacc  | gttgaaagaa | ttgacacgac  | cgaatatatg  | ggccctgaaa  | ccttactctt | 1886220 |
| cggcacgtga  | tgaatatagc | ggaaaagagg  | cttccgtctt  | tctggatgcc  | aatgaaaatc | 1886280 |
| cgtacaatac  | tcccaacaac | cgataccctg  | atccgctgca  | acgcgaactg  | aaggacatga | 1886340 |
| ttgccttaat  | caaaaaagtc | agtccgaatc  | aaatatTTTT  | aggcaacgga  | agcgacgaag | 1886400 |
| caattgactt  | ggtataccgc | gccttttgcc  | gaccgggtat  | cgacaatggt  | gtcgccatcg | 1886460 |
| atccgactta  | tggcatgtat | caggatatgtg | ccgacgtaaa  | cgacgtagaa  | tatcgcaagg | 1886520 |
| ttttgcttga  | caatacattc | cagttcaagg  | cagacgagct  | gctggctgct  | tcggatgaga | 1886580 |
| ataccaaaact | gatctttctg | tgttcgccca  | acaatccgac  | aggaaataac  | ctgtgccgtg | 1886640 |
| aggaaaattct | tactttgtta | aacaaattcc  | agggactggt  | tatcgtcgat  | gaagcttata | 1886700 |

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| tcgacttttc | cgatgaacct | tctcttatca | gcaaattaaa  | ggaatatccc  | aatctgatta  | 1886760 |
| tcttccagac | cttctcaaaa | gcatgggggt | gcgcagccat  | ccgtctaggt  | atggcatttg  | 1886820 |
| cttctccgga | gataatcggc | atacttagca | aaataaaaata | tccgtataat  | gtcaaccggc  | 1886880 |
| ttacacagca | ggaagctatt | cagatgatgc | ataagcacta  | tgagggtgca  | cgatgggtac  | 1886940 |
| agtccttgct | caatgagcgt | acacgtatga | tcaaagaatt  | tgggaaactg  | ccttgctgtg  | 1887000 |
| tccatatcta | ccccacagat | gctaatttct | ttctgaccgc  | agtaaccaat  | gcaaaggcta  | 1887060 |
| tttacgacta | tctggtaagt | aaggggatca | ttgtccgcaa  | ccgttccggc  | gttaccctat  | 1887120 |
| gtcacgaatg | tttacgcctc | accatcggtg | ccggtcctga  | gaacgatgct  | ttgcttgagg  | 1887180 |
| ctttaaaca  | atataatcca | gcatgatcat | gaaaaagaaa  | gtattgttta  | ttgaccgaga  | 1887240 |
| tggcacattg | gtcatcgaac | ctcccatcga | ctatcagttg  | gatgccttcg  | aaaaactgga  | 1887300 |
| gttttatcct | aaagtattcc | gtaacctgca | tttcatccgc  | cagaagcttg  | actttgaatt  | 1887360 |
| tgtaatgggt | accaaccagg | acggattagg | tacatcttcg  | ttccccgaaa  | acaccttctg  | 1887420 |
| gccatacac  | aatctgggtc | tgaaaacatt | tgccaacgaa  | ggcattacat  | tcgatgaagt  | 1887480 |
| gtttatagac | cgtagcttcc | cagaagacaa | cgctcctacc  | cgaagccac   | gtaccggtat  | 1887540 |
| gctcactcgt | tatttaaata | atgaggagta | tgatttgaac  | ggcagttttg  | tcataggcga  | 1887600 |
| ccgggctacc | gatgtagaat | tggcatataa | cttaggggtg  | aaagctatcc  | tattgcaaaa  | 1887660 |
| ggactacagc | ctgctgacag | acaaaaaatt | acaggactgc  | tgtgtacttg  | ctactaccga  | 1887720 |
| ctgggataag | gtagccgaat | ttctattcgc | cggagaacgg  | attgctgaag  | tacgccgtac  | 1887780 |
| aacgaaagaa | acagatatct | atatccgcct | caacctggat  | ggaaacgtca  | cctgcgaaat  | 1887840 |
| cagtaccgga | ctgggattct | tcgaccacat | gctggaacaa  | atcggcaaac  | atggcggcat  | 1887900 |
| agatctgacc | atccgtgtga | aaggagatct | ggaagtggat  | gaacatcaca  | ccattgaaga  | 1887960 |
| tacggccatt | gctttgggag | aatgtttgta | taaagctttg  | ggcagtaaaa  | gagggtattga | 1888020 |
| aagatacggc | tattgcctgc | ctatggatga | ctgtctgtgt  | cagggttgctc | tcgatttcgg  | 1888080 |
| aggccgtccc | tggctggtat | gggatgcaga | attcaaactg  | gagaagattg  | gcgaaatgcc  | 1888140 |
| taccgaaatg | tttctccatt | tcttcaagtc | gctgagtgat  | gcagcccata  | tgaacttgaa  | 1888200 |
| catcaaggcg | gaaggacaga | acgaacatca | caaaatagaa  | ggtatattca  | aggcgctggc  | 1888260 |
| acgtagtata | aaaatggctg | tcagaaggga | tatttatcat  | tacgaaatac  | cttcaagcaa  | 1888320 |
| aggatgtatt | tagtacgtta | aaccataaaa | gcatcgggcc  | atgaaaaaac  | tgattattct  | 1888380 |
| cattgtcctc | ctgactgggt | ttatgatagg | catcaacctg  | tcgagagata  | aaaccggatt  | 1888440 |
| tcgtacttat | caggacgtat | tggcagaatt | aatcgatgac  | gctccaatgg  | agacctattg  | 1888500 |
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| tgaaggtttt | gtacgtttag | gatactggaa | tcacgaacgg  | ttcgttatcg  | aatgtgccgt  | 1888620 |
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| gcatgctgaa | gaccagcaac | tcttacgcga | ttctttcatc  | ctcagcggtc  | cactgtatga  | 1888740 |
| aaacgggaac | aagatagaag | gatatcgata | ccacaccaag  | tttgtccgca  | atcagaaatt  | 1888800 |
| atgggtttca | tatacgctct | attatcccga | atcgtgtaag  | tctgccctta  | cacgtctggt  | 1888860 |
| tgggcagata | gacagatggg | aaatataaat | cgaacaaaaa  | acatccgaca  | cggaaacaaac | 1888920 |
| gttacagcgt | ctgattccat | gccggatgca | ttattttatt  | acgaatgact  | tactttttac  | 1888980 |
| tgatgctggt | cacgcaacaa | atcggtcact | gtttttaccg  | gattgaaagt  | gctcaacgga  | 1889040 |
| acttctacaa | agacagtgtc | ccaatcgctc | attgaacctt  | tccacaagcc  | cggcaatttc  | 1889100 |
| aaagccttca | ggtctttacc | attcttcgat | ttataagaaa  | tgaatcctgt  | agccttatct  | 1889160 |
| acgtactgca | acaagttgaa | cttattgcct | ttataatcgc  | gtacggcaca  | aaccagatcg  | 1889220 |
| accggattga | agtgagtacc | tttttcgaac | atagctttct  | tttccggatc  | cttcatatca  | 1889280 |
| atctgagaac | tttccagaat | ctgaagtga  | acagttccat  | ccggattata  | agccaggaac  | 1889340 |
| ggaccaccgc | ccggttcacc | cacattcttc | accataccac  | agacgcgcat  | cggacgattc  | 1889400 |
| agtttcttgc | gcaggtaaat | tacaagatct | gcatcctcca  | ggtctttaat  | atcattttcta | 1889460 |
| cggcaacgca | actgctgctg | tacgaaacga | ataatagttt  | caagctgata  | gtggctgtaa  | 1889520 |
| tggccgctat | ccagcagttc | caaataatcg | aatgcctggt  | tctgaagtgt  | aaccaatata  | 1889580 |

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| ccggcaagta  | atttcttata  | ggttaccgta  | tcacctttca  | ggcggtcggg | cactacattg  | 1889640 |
| tcaatattct  | tgataaatat  | gatatacagca | tccagatcat  | tcaaattttc | aatcaaagct  | 1889700 |
| ccatgaccac  | ccggacggaa  | cagcaattta  | ccgttatcac  | ggaacgggtt | gttttccata  | 1889760 |
| tcggctgcaa  | ttgtatctgt  | gcttgccctt  | tgttcagaaa  | aactgatatt | atattctaca  | 1889820 |
| ccatatttct  | tagcatattc  | agcaacttta  | gcgtctacca  | gtttctggaa | taaagcacga  | 1889880 |
| tgttcgcccc  | atacggtaaa  | gtgaacattc  | acctttcctg  | tttttccggc | tgcataaaga  | 1889940 |
| gctccttcta  | ccagatgttc  | ttccagcgga  | gtacgtacgc  | cgtcggcata | acgatggaat  | 1890000 |
| ttcagcaaac  | cttttggaag  | agaaccataa  | tttaatccgg  | cagcctccaa | cagattagaa  | 1890060 |
| acaacagcct  | tgtaattatg  | ttccgacaaa  | agtgcacgca  | tattcttacc | tgtattatcc  | 1890120 |
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| aacatacggc  | ttgcagcccc  | cgaagcaggt  | acaaacttta  | caatcttttt | gtcgggtgtc  | 1890300 |
| ttatacgcac  | cccatgctgc  | cagatacttt  | ttctgatcat  | cagcatcggc | tatcatgata  | 1890360 |
| ccattattgt  | cgaccgatgc  | agcagcagct  | aattgcaaat  | aaggaaatcc | tttttcgaaa  | 1890420 |
| caagccaatt  | gttctgcaat  | ctgttcttcg  | gaaattcctt  | tctttgcgag | taattctttg  | 1890480 |
| tcttcgtgtg  | ttaacatatt  | atgataaatt  | taagtataaa  | atattcattt | acaaatcgat  | 1890540 |
| tacacctcaa  | aagtataaaa  | aaaccattaa  | gtttgttaaca | ataaaagaag | aaaaaaacta  | 1890600 |
| tctttaccgc  | agaagctgtc  | agtaatacct  | ctttttaact  | acctcaaatt | aagaaaagggt | 1890660 |
| ttcatattac  | gaccaacagg  | ttctcaacaa  | aactagaaag  | actatggacg | aacaagtttt  | 1890720 |
| ttttacacca  | gatgaacaca  | aacagttgat  | ttctctatac  | aaacgactac | tacaactatc  | 1890780 |
| tgagagatacc | ttgcaaaaag  | acgactgtag  | caacctgaaa  | aaacatctga | tacaagtcac  | 1890840 |
| gtcagaagga  | agcataccac  | gcaatgcttt  | cggtagaat   | ccaattatca | aagacatgca  | 1890900 |
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| ggttatcctt  | attatgatag  | ccgaccgcgt  | gaacctgatg  | cgtcagataa | aagacagtac  | 1891200 |
| gaacgaagag  | gcacgactgg  | aagtatcgaa  | cgaggctgct  | tacctgtatg | ctccactggc  | 1891260 |
| tcacaaaattg | ggattatata  | agctgaaatc  | ggaactggaa  | gatttgtcac | tgaaatatac  | 1891320 |
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| ccgctatatt  | gatgccttca  | tcgaaccggg  | aaagaaaaag  | ctggaggaaa | gcggactgaa  | 1891440 |
| gttccatata  | aagggaacgta | ccaaatccat  | ccattctatt  | taccagaaaa | tgaagagaca  | 1891500 |
| aggatgtccg  | ttcgaaggcg  | tatacgactt  | gttcgccatc  | cgaattatcc | tcgattctcc  | 1891560 |
| tctcgataaa  | gagaagcagg  | aatgctggca  | ggcatattcc  | atcgtgaccg | atatgtattt  | 1891620 |
| gcctaattccc | aaacgcttgc  | gcgactggct  | gtcagtacct  | aagagcaacg | gttatgaatc  | 1891680 |
| gctgcacatc  | actgtcatgg  | gccctgaggg  | aaaatgggtg  | gaagtacaga | tacgtaccga  | 1891740 |
| acgtatggat  | gaaatagccg  | aaaaagggtc  | tgccgcccac  | tggagatata | aaggcttaaa  | 1891800 |
| gggagaaagt  | ggactcgacg  | aatggctgaa  | ttctatccgt  | gaaacattgg | aaaatgcaga  | 1891860 |
| cagcgacatg  | gaggccatgg  | atcagttcaa  | gctcgaacta  | tacaaggacg | aagtgttcgt  | 1891920 |
| ctttactccc  | aaagggtgact | tatacaaact  | tcctcaagga  | tctaccgtcc | tcgattttgc  | 1891980 |
| ctttgccatt  | cacaccaatc  | tgggatgtca  | ctgtatcggg  | gccaaggtaa | atggaagaaa  | 1892040 |
| tgtccagtta  | agacaaattc  | ttaacagtgg  | agatcaggta  | gagattacga | cttctaccac  | 1892100 |
| gcagactcct  | aaacgtgact  | ggttgaactt  | tgttacgact  | tcgaaagcca | agaccaagat  | 1892160 |
| acgtcaggca  | ctgaaagaaa  | tggtagcccc  | ccagacagaa  | tttgccaaag | aaacactgga  | 1892220 |
| acgcaaattc  | aagaaccgta  | agctggaata  | tgatgaagca  | atcttgatgc | gactcatcaa  | 1892280 |
| gaagctgggc  | tttaagactg  | taaccgattt  | ctatcagagt  | attgccaacg | aaacgctgga  | 1892340 |
| agtgaacgat  | atcatcgacc  | ggtatgttga  | aatgcaacgt  | aaggaaaccg | aacagcgtga  | 1892400 |
| agaagtcagc  | taccgcagtg  | cgaagggtt   | caatatacaa  | cagaacacag | aggggaaaga  | 1892460 |

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|            |             |             |             |            |             |         |
|------------|-------------|-------------|-------------|------------|-------------|---------|
| cttttataaa | gacgatgtgc  | tggtaataga  | ccagaatctg  | aaaggtattg | atttcaacct  | 1892520 |
| ggctaaatgc | tgtaaccccta | tttacgggtga | cgatgtgttt  | ggctttgtaa | ctatatcggg  | 1892580 |
| aggaatcaag | attcacccgtt | gtgactgtcc  | gaatgccaaag | gagctgaaag | cccgtttccc  | 1892640 |
| ttaccgcatt | gtccgtgcgc  | gctgggctgg  | aaagagtcag  | ggaaagcaat | atccgatcac  | 1892700 |
| gctccgtatc | gtgggacatg  | acgatatagg  | cattgtttaca | aacattactt | ccatcatcaa  | 1892760 |
| caaagagAAC | aatattttat  | tgcgatcaat  | cagtattgat  | tctcacgacg | ggttgttttc  | 1892820 |
| gggtatgctg | accgtaatgg  | tagatgatac  | atcgaaactg  | gaatcgctta | tcaagaaaat  | 1892880 |
| aaaaaccgtc | aaaggagtaa  | aacaagtaaa  | ccgtggataa  | aaaatgccac | agttatcatt  | 1892940 |
| tcatcaaaac | gtgcccattg  | tttattcata  | atgtgggcac  | gtttttttat | tcatcgagac  | 1893000 |
| atttttcaaa | agtcatacaa  | tgatatattt  | tccaccccct  | tctcttatag | gagcagaaca  | 1893060 |
| aatgttaata | aacctaatca  | accgatacga  | attacaaaga  | aagtcaatat | ctttagggggc | 1893120 |
| gattaaaaaa | gctgagaaaa  | aaatgaaaaa  | aacgattttt  | acgacattgt | tcttagtagt  | 1893180 |
| ggcagtactg | gtagccattg  | cacaaggtac  | agccgaaatt  | aagtttgaac | aaacgactca  | 1893240 |
| caatttcgga | gccttttccg  | aaaataatcc  | taaagtaact  | tgtaaattca | aattcaccaa  | 1893300 |
| tacaggaaac | gggccactgg  | ttattcatca  | ggcaattgca  | tcttgccgat | gcacagtgcc  | 1893360 |
| acaatatcct | aaagaaccaa  | tcaaggctgg  | tgaaagcgga  | gaaatcactg | ttacttacia  | 1893420 |
| tggtgccgga | aaattccccg  | gtcattttccg | taaatcaatc  | actctacgaa | cgaatgccaa  | 1893480 |
| gcaagaggct | gtccgtcttt  | acattgaagg  | agatatgact  | cccaaaggct | cagaacctca  | 1893540 |
| accgcaacaa | aactaagaca  | ctaaaaaaga  | aagattcata  | ataaaaagca | tccggttatt  | 1893600 |
| tgtttcacga | cgaataaatc  | cggatgcttt  | ttttatgttg  | tttccagaaa | gccctatatc  | 1893660 |
| caccttccat | tttcatagag  | ctgattacga  | catcgaatgc  | agttacccta | aaaaacaata  | 1893720 |
| acggcagtac | ttcacagtac  | cgccgttacc  | tctctgttta  | taaccagagt | aaaaaatgta  | 1893780 |
| aaattgtgaa | ttaaagggct  | aatttaaga   | gcctaaacag  | gtaatatcag | aatatgacac  | 1893840 |
| caagtccgga | tccgacgtta  | ctctgtcctg  | tcacatcgcc  | tgtaagcggt | gccatcttgt  | 1893900 |
| tggtcatata | attataataa  | ccagctacat  | ggaaacccaa  | acgacgatga | ggagaaggat  | 1893960 |
| aaatcttcag | gcccaattca  | ggagatacat  | aaaatcccca  | tccgctatca | aaaatgccgc  | 1894020 |
| cagcaccata | ataggtcgta  | tagcgggtat  | atgcagttcc  | gagtttcaca | ccaacatacg  | 1894080 |
| gcttaacata | tcttccattg  | tacaatgtat  | aagaggttcc  | tacaccaaac | ggcaactggt  | 1894140 |
| atgcagaacg | ctgctgatct  | gttgctcagt  | cttctgtcgg  | agataactga | atcgtctgtc  | 1894200 |
| tccctatata | tttatgattg  | gtatgaaaat  | taatgaaagc  | tcctaccgac | cagcgcgagg  | 1894260 |
| taagatcgta | aaatccttca  | aaattcatac  | cccatccact  | aatcttgtca | gcaaaaccgg  | 1894320 |
| tagatacggg | agcattcatt  | tgccagtcga  | caatgagatg  | tgctttctgt | gaatcccact  | 1894380 |
| gggcataacc | ttgcacggca  | aacattgcca  | aagcgcagaa  | agccaaaact | gctttcttaa  | 1894440 |
| aaatagtata | tcttttcata  | gttatcatct  | ccattatttt  | tgtgttggac | attaatcaaa  | 1894500 |
| taaaattgag | aatgtcctac  | tcttattcag  | tataaattct  | atggatataa | acagactgat  | 1894560 |
| tgaatgcctg | gtccactccg  | ttcaataaca  | actgcatgtt  | tatcctgcta | ttgccatact  | 1894620 |
| ggaaaccaga | tgcactagca  | taccatacaa  | ccggaagctt  | tttttgagtc | ccgtcatcac  | 1894680 |
| tcttatttgt | caggtcgcac  | atttccagaa  | tcaacgtatt  | agtatcgtaa | ctataagtta  | 1894740 |
| ccggatagga | ataataccat  | ccgttccacc  | atgatcccca  | aaagccagta | ctccaccagc  | 1894800 |
| ctgcaaaagg | atcacccag   | taacctccac  | caccggttac  | cacctgagtg | gtttgtgaaa  | 1894860 |
| catacgataa | ctgtacacct  | acatcggcct  | gatctttttg  | ttcaggatca | gtaatccgtt  | 1894920 |
| cgtatcccct | acgattcatc  | tgactttcga  | cctcactgat  | aatcatcttc | gcattctcat  | 1894980 |
| ctttccaata | tgaagcccgt  | actccatttg  | cttccagtat  | actatcagga | aggaaataag  | 1895040 |
| tatgaaagct | gctgaaatcg  | gtattattgt  | cgtggctctgt | atatactacc | agatctgcat  | 1895100 |
| ccagtttacc | catatccggg  | tctttctcgc  | acgacgacat  | aaacaatccc | gccatgcaaa  | 1895160 |
| ccataaacia | aatctttttc  | ataatttcta  | acctcttatt  | aatgataaaa | attacaagga  | 1895220 |
| acgtccttta | aacacattac  | tcttctctat  | cggtaaaata  | accccttcta | atgtcatgag  | 1895280 |
| attagaattg | aaattgggat  | tgatttctac  | cgtagcgtgg  | ttcgttcctt | tcggtaaact  | 1895340 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| gataaaaact  | cgagcagaga  | taccagttcc | catcacattc  | atcgaaatgg  | aaatattttcc | 1895400 |
| cttcttgtca  | gttttcactt  | cataatcgga | tacgctgcca  | tccacagtaa  | ctccacctat  | 1895460 |
| tccgttcggc  | ccacttatag  | gaatattgaa | ggccacttgt  | actactgcat  | tatcgctttt  | 1895520 |
| tacagatacg  | aaattgggat  | ttgaattgac | atatgccata  | tttcatact   | taaagacgac  | 1895580 |
| acggtcagcc  | tccagagtaa  | atgccttttc | attgatggct  | tgcacagctt  | ctacagccaa  | 1895640 |
| caggctatcc  | agctgttctt  | gcaaagcttt | cttttcttca  | cgggacaaat  | tttgctccgt  | 1895700 |
| gctttgtgcc  | tgaacgtgac  | caactacat  | agtcagcgcc  | agtatcataa  | ataaaacata  | 1895760 |
| ctttttcata  | agcttttcat  | tttaaagttc | aactataaaa  | caaatatatt  | ccttttttgc  | 1895820 |
| tgcactctgca | tcatttaaaa  | aagtataaaa | gcgatataaa  | tgaatttttt  | cctctagata  | 1895880 |
| atttgtatat  | ttaagaacct  | gttcgaatga | ttatcctgac  | taatctcaga  | accaagacct  | 1895940 |
| gagatgagca  | taggagtttc  | cgaaaacagg | aagacagatt  | cctcttggtt  | aacctaaaac  | 1896000 |
| atctaattat  | gaacaccata  | accgacatca | ccatattgat  | agcagtcatt  | gcacttgcc   | 1896060 |
| tgtggcccg   | agttttat    | cttctcaaaa | caataaatat  | ccgaaaaaaa  | cggctggaac  | 1896120 |
| atctggaacg  | catgacaaaa  | aacgagctag | acgaaatcag  | cacacaagac  | cttggttatca | 1896180 |
| gtgtattgaa  | aaaaatagga  | tgtcaaccgc | aaataaatag  | tgaagggcat  | gttactttta  | 1896240 |
| aatatcaagg  | agatgacttt  | tatatcgctg | ctgaagaaga  | aaaccgcttt  | atcatgat    | 1896300 |
| ggaatccatg  | gtggggatcg  | ataagcacag | acaatgaagc  | gtttcccggt  | ttgaaagaaa  | 1896360 |
| tcataaatct  | ggtaaatgtc  | aattcgctgg | tcacaaccgt  | atatatggta  | gacgaagatg  | 1896420 |
| aaaagaccgt  | gggactgcat  | tcacgttgcc | atacattctt  | ttccccaat   | gaaggtgagc  | 1896480 |
| tggaagagca  | cctgaaaatg  | ttactcgact | atttcttcga  | cacacacaac  | gcgattaaag  | 1896540 |
| agaatctgaa  | ccaactgggt  | aatgcagccg | ttggcgaaga  | agaaaagaaa  | gaacgggtga  | 1896600 |
| aagtaaagg   | ttttgccgct  | tataaagaaa | ataccgttcc  | tatcaagccc  | caaaaagaat  | 1896660 |
| aagctcgcaa  | aaaatacgt   | actttgcgac | atgaaaaaga  | ttttagaaga  | gaataaagga  | 1896720 |
| attccagcat  | ctttactttt  | aatgctggct | atcattgcag  | gcataatccgt | agctaattctg | 1896780 |
| tattataacc  | agccgctact  | aaacaaaatc | agcgaagatt  | tacacgtttc  | ggaattttacg | 1896840 |
| gccaatctga  | taccgatgac  | tacgcagata | ggatacgcat  | tgggactgct  | tttcattata  | 1896900 |
| ccgctcgggg  | atttatataa  | acggcggaat | ataattgtca  | tttaactttt  | attgctgtct  | 1896960 |
| gtgagtatgt  | caggatttgc  | catggcaagg | aacatccatt  | tcattctgtt  | agcttcattg  | 1897020 |
| ataacaggta  | tttggttcggt | catgccgcag | atttttatcc  | ccattgcagc  | ccaatttctt  | 1897080 |
| cagccagaaa  | aaaaagcaca  | aatgtaggc  | gtactggtga  | gcggactgct  | aaccgggtatt | 1897140 |
| ctcgggtcac  | gagttgtcag  | cggcattgta | ggagaatact  | ggggatggcg  | aacaatcttc  | 1897200 |
| tacatagctt  | ctatcctgat  | gttaatctgt | atatttggtt  | tcattccgtat | attgcccgat  | 1897260 |
| atgccatcca  | actataaagg  | cacttatggt | ggtctgatga  | aatcagtatt  | cacccttgct  | 1897320 |
| aaaaacaatg  | cgaccttacg  | agtggtttca | ttacgggcag  | gcattctgtt  | tggatgtttc  | 1897380 |
| cttaccttat  | gggcatgcct  | ggctttcaag | atgagcgggtg | agccttttta  | cgcaggaaac  | 1897440 |
| aacattattg  | gaatgttggg  | actctgtggt | atagcgggag  | caatgacagc  | ctcttttgtc  | 1897500 |
| ggaaaatttg  | tccgtatatt  | aggtgtaagg | gcgttcaact  | acatcggtatg | cggcattatg  | 1897560 |
| atcttttctg  | ggataattct  | ctacatcttc | caaaatagct  | atattggaat  | tatcacaggc  | 1897620 |
| attatttttaa | tcgatatcgg  | catgcaatgt | gtacaaatca  | gtaaccagac  | ctgtgccctg  | 1897680 |
| tcactcattc  | ctcaagcttc  | gaatcgctg  | aataccattt  | ttatgactac  | ctattttctg  | 1897740 |
| ggaggttcgt  | tcggaacatt  | tctggccggg | actttctggc  | atcaatttgg  | ctgggctgga  | 1897800 |
| gttacagggtg | tcggtatctg  | tctagctgca | acttcgctgc  | tgatcacatt  | atttacaaaa  | 1897860 |
| cattaatcgt  | atcaaaaacc  | atgaatagac | ctcagattta  | tgcaaatgaa  | tggctgaaac  | 1897920 |
| ttcatccata  | tacttcgata  | caaccatcgg | acagctattt  | cgtaaaccctg | tcaaatgaat  | 1897980 |
| tataccgtgc  | ctgtacactg  | gcacttcctg | attctttccg  | caaaaaacta  | agtatgtata  | 1898040 |
| ttgccgccta  | tctggaagat  | cagatatcag | gactgggatt  | gtggcaaagc  | ttcactacag  | 1898100 |
| aacacaagcg  | tctgtacgga  | aagtaccttc | ccttttatgc  | tgtttcgagc  | gatttatattg | 1898160 |
| ctgatgaaat  | caacgaagaa  | gatatccgtt | tcattatctg  | gaatacatgg  | cagaaagttt  | 1898220 |

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|             |            |            |             |            |            |         |
|-------------|------------|------------|-------------|------------|------------|---------|
| cttcgctaca  | tgaacacgcc | tatataaatc | ctaataatcc  | ctctatcaaa | aagcagggcg | 1898280 |
| aaatctttta  | tgccatattg | gaaaaagcct | atgaagaagc  | tcctgaaaac | gaaactctgt | 1898340 |
| cggaatactt  | tagccatccg | gggagtaaga | tggaagcaga  | ccgcaaactg | acatggcttt | 1898400 |
| ttggacacac  | ttatctgaca | gagccatcca | tggtgcccta  | catcgaacag | atagccccta | 1898460 |
| atgaccgatt  | catcattcca | gtaggaccac | tagctttatt  | cttacacgaa | tggatttcac | 1898520 |
| tgttatctac  | ccctgaagca | tggaagaca  | taacagaact  | tttcacacca | gctcccgaag | 1898580 |
| ttcccgaaga  | ggttcgaaac | aaaaacaaag | aaatatatca  | taatttcgtc | catggaacag | 1898640 |
| acggtaaaaa  | aattgtttat | ctgaatggct | acggagaact  | gcgccgattc | ttagtagaag | 1898700 |
| tgctgaaatg  | gcaggatgac | gataaccata | ccttaccaca  | aatgaaagca | catagaaact | 1898760 |
| tcatactgat  | gacagaacca | gaaaagggag | tgctgctggc  | aaaagacatt | tgtgaatata | 1898820 |
| tagccgacaa  | agaaaatcct | ctttataatc | aggagctggc  | acagagaaat | gcttttcgat | 1898880 |
| tacttacgga  | agaaacactc | tgcccacctg | acctgctaac  | atattgcata | caaaacaatt | 1898940 |
| tcataccaga  | tgacagctt  | cctgaaggac | aagaaaaaga  | gctggtacaa | caaaatgccg | 1899000 |
| attttatagc  | ccgccactca | ttactgtatt | attaccgagg  | agattaatcg | gcaaaacaag | 1899060 |
| agcttcaaaa  | aagtgaaaaa | ccctacaaaa | aacagagagg  | tgaacatct  | ctttcaaaat | 1899120 |
| gtatcacctc  | tctgttttat | ataatcccaa | tcagcttttt  | caaaactcaa | ttactaatga | 1899180 |
| ctgacgtgca  | gacaatgtaa | gattttgtgt | aaaatcaatt  | ttttacctgt | cgaacaacc  | 1899240 |
| tttccttcct  | tagtctcttt | tgtaaagcc  | tgataatgac  | tacttggcag | aacctgttct | 1899300 |
| ctgtcagtac  | tgttcaatac | aatcatttct | gttttacctt  | cactagtacg | cgcatacaag | 1899360 |
| tatattcctt  | gttccggaat | atgatacttt | acagttttgt  | tttctgacat | ttgttgttaa | 1899420 |
| gtttttgttt  | gcggtgcaaa | attagaatat | cagtaagaaa  | ttgcaagtag | agaaatagtt | 1899480 |
| aaaaatcagc  | aagcagagtt | attttattga | tttatatcaa  | gattccattc | ttttaaaaga | 1899540 |
| gtttttccat  | gccttttacc | ttctagcaac | aaaaaacgaa  | aagaataaaa | agacacagat | 1899600 |
| acagcatgca  | atcagaaaac | aatcgctaaa | aataaaagca  | aaaaagggga | atacgataga | 1899660 |
| ttaaaatatc  | ataaagaaag | ttccagtcta | ttttgtaccc  | tttcattcaa | atgaattaaa | 1899720 |
| cgaaactcac  | acctgaactt | ataaattata | agtgaggctg  | tttcagcaat | aaaaatgaaa | 1899780 |
| cagcctcact  | ctctatctaa | aggatacaaa | aaaattccac  | ggaaacgcca | acaaaatcaa | 1899840 |
| agttcaatat  | tagaactcac | ttgtaaagtg | gaacttaata  | tgcttaaaat | ccatttgcg  | 1899900 |
| catctgaagt  | acatagccac | tatccgcaag | gaacacatca  | cgaccatcac | gatctttaac | 1899960 |
| catatactgg  | tatttacgtt | tcttgaaggc | ttccagttct  | tccggatcgt | cactttctat | 1900020 |
| ccagcatgcc  | ttatacagac | tgacaggctc | ccaacggcac  | ttagcattgt | attcgttttc | 1900080 |
| caaacgatat  | tgaataacct | caaactgcaa | ctgtcctacc  | gtaccaataa | tctttcggcc | 1900140 |
| attgaactga  | ttgataaaca | actgtgcaac | cccttcgtcc  | atcagctgat | caataccctt | 1900200 |
| attcaactgc  | ttggtcttca | tcggatctgc | attttctata  | tacttgaaca | tttcaggcga | 1900260 |
| gaaactcggc  | agtccttga  | agtgaagtac | ctctccttcc  | gtcaaggtgt | cgccaatctt | 1900320 |
| gaagggtcca  | ttgtccggca | aaccgatgat | atctcctgcc  | caagcctcat | caaccgtagt | 1900380 |
| cttacgctgt  | gccatgaact | gagtcggcga | agaaaaacgc  | atcgtcttgt | tgtgacgtac | 1900440 |
| atgcaaataa  | ggagtattac | gagtaaactt | acccgaacaa  | accttacaaa | aagctacaca | 1900500 |
| cgaacgatgg  | ttagggtcaa | tattggccgt | gatttttaaaa | acaaaacctg | taaacttcgg | 1900560 |
| ttcatcaggc  | ataacaatac | gctcttctgc | ctgcaccgga  | cgaggactcg | gagctatttc | 1900620 |
| aacaaaacaa  | tccagcaact | cctgtacacc | aaagttattt  | aaggcagagc | cgaaaaatac | 1900680 |
| cggtgccagt  | tcacctttca | gataatcatc | tacattaaaa  | gcaggatata | ctccatcaat | 1900740 |
| cagttccagt  | tcgctacgca | gtttctctgc | aagcggcggt  | ccgatatgat | tatccaaatc | 1900800 |
| ttccgtatgg  | atatccacct | ccactttttc | tgttacgacc  | tgtttagaag | gctggaataa | 1900860 |
| attcagcttc  | tgctcatata | tattatatac | tcccttgaag  | cgaggaccac | tttcgatagg | 1900920 |
| ccatgtcaag  | ggacgaacat | tgataaccag | ttcttcttcc  | agttcatcca | gcaaatcgaa | 1900980 |
| cggatctttc  | gcctcacggt | ccatcttggt | gacaaagata  | ataaccggag | tattacgcat | 1901040 |
| acggcaaaact | tccatcagct | tacgtgtctg | cgattccaca  | cccttcgcac | catcaaccac | 1901100 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aatgataaca  | ctatctaccg  | ccgtaagcgt  | acgataagta  | tcttcggcaa  | agtcctgggtg | 1901160 |
| tcccggagta  | tccagaatat  | tgattttgta  | gtcgtggtaa  | tcaaactcca  | tcacagaggt  | 1901220 |
| tgtaacagat  | ataccacgtt  | gcttttcgat  | gtccatccag  | tcggatgtcg  | cagtttttctt | 1901280 |
| aattttattc  | gacttaacag  | ctccagccac  | ctgaatctgt  | ccaccaaaaa  | gcaacagctt  | 1901340 |
| ttcagtcaac  | gaagtcttac  | cggcatccgg  | atgtgcaata  | atcgcaaagt  | tacgtcttct  | 1901400 |
| ttctatttca  | gcgttcattc  | tttattttatc | tattttacctt | ttattatcat  | gctaacaatt  | 1901460 |
| tgtcgataca  | ctctttcagg  | ctgtctaccc  | aataaggaat  | ttctatgcca  | tatatatctt  | 1901520 |
| ttatcttcgt  | tttatcagagt | acagagtaat  | gaggtcgttt  | ggcttttgta  | ggatactctt  | 1901580 |
| ccgtatgcag  | tggcctcagt  | ttacaggtct  | taatatcagc  | cagatgggtga | atcatctgcg  | 1901640 |
| taaaaatcgta | ccaagagcaa  | acaccttcat  | tgctgaaatg  | ataaatatccc | ggtatgatgc  | 1901700 |
| ctttatgaat  | agcagcaaag  | atggcaaccg  | ccagatcacg  | tgcatagggtc | ggagtaccta  | 1901760 |
| tctgatcgaa  | aatcactccc  | aatgaatcct  | tttcccgtcc  | cagacgaagc  | atcgtcttca  | 1901820 |
| caaaaattatt | tccaaaagta  | gaatataacc  | acgctgtacg  | aataatcatc  | gtattggcac  | 1901880 |
| aatattttcat | agcttcttgt  | tcaccggcaa  | gcttggttgt  | tccataaaca  | gaatcgggac  | 1901940 |
| aagtaggctg  | ttcttccgta  | taaggaacat  | gtgcggtacc  | atcaaataca  | taatcagtag  | 1902000 |
| atacctgcac  | aagatatacct | ccacgcgttt  | gaatcgcttt  | tgccagatac  | cccggcgcta  | 1902060 |
| catgattcag  | tttatcacaa  | agttcctgggt | tatcttccgc  | tttatcgact  | gctgtatatg  | 1902120 |
| cagcacaatt  | cacaataata  | tcgatctgat  | gagcagttac  | aaaattcatc  | acagcctggt  | 1902180 |
| cgtcgcagat  | atccagttct  | gcaacatcgg  | taaagaaata  | ggtatattcc  | ttattgactt  | 1902240 |
| ctgcaagcag  | acgcatttca  | tttcctagct  | gtccgtttgc  | cccagtaact  | aaaatattct  | 1902300 |
| tcattattcc  | tttattttga  | cgggaagaag  | atcaatcaaa  | atccagttcc  | ccttgtttat  | 1902360 |
| ccttaatata  | ataccgggca  | agcatagcca  | gcaaatcacc  | tatcactttc  | aatgctttct  | 1902420 |
| gagtttcttc  | tgttatctcc  | tttttctgaa  | gtttcaacat  | caagacccca  | tacatagcat  | 1902480 |
| caaaacatgt  | ttccagttcg  | ggaacatctt  | tatcggtcc   | ctttgcacgt  | aactccacga  | 1902540 |
| taaagggcaa  | agccttataa  | taagccgcac  | tataatatgg  | gaatttagga  | gaagccagca  | 1902600 |
| aacgtaagt   | caaatcgggtc | aaccagacaa  | ttacattttt  | attaatctgt  | atatgccctt  | 1902660 |
| tttccattac  | gccttcgtca  | tgcatcatat  | tgataagatc  | tgcataccat  | tgagtcaatg  | 1902720 |
| cccttttctg  | ttcatccgac  | aacgacggat  | acgggtctac  | gatattcttt  | tttatttttt  | 1902780 |
| ctatatcgaa  | cccattggca  | cgaatcatat  | cctcaacctg  | ccacatatac  | agcagggtatt | 1902840 |
| cggcaatatt  | ctgttggttt  | aattgtttgag | agatatacat  | atatcaagat  | aaagattttc  | 1902900 |
| cggcaatagt  | caatataata  | cctacaatcg  | atgcaataat  | cacaactaca  | ccgataatac  | 1902960 |
| gatttaatat  | ccagataacc  | cgcacattga  | actgcgtacg  | taccttggtc  | acaaaataag  | 1903020 |
| taattccaaa  | ccaccagggtc | aaagcccaa   | tgacgatggc  | aagataacc   | accagctgaa  | 1903080 |
| agcccaacgg  | actaccggc   | attacaaatg  | agaaacgggc  | aaaaagaccg  | ataaacaaga  | 1903140 |
| aaatgatcag  | cggattggaa  | aaagtaacga  | aaaaagctgt  | aataaaaatta | tgaagatagg  | 1903200 |
| taccgcgatt  | ggcggatgta  | ggacgaagg   | attttacagg  | attactacga  | aaagtatata  | 1903260 |
| tacaaaaagc  | cagtagcatg  | atactacca   | ccacctgtag  | aaaggtttg   | tgcttaagta  | 1903320 |
| ttaattcgtc  | catgaaactc  | attccataac  | ctgtttataag | ggcatagcat  | gtatcactta  | 1903380 |
| gtgcagctcc  | caagccggtt  | acaaagccaa  | accagcgccc  | cttggttcagt | gtccgctgaa  | 1903440 |
| tacaaagcac  | gccaaaccgtt | cccagaggag  | ccgagacgat  | gactcctatg  | ataaagcctt  | 1903500 |
| tcactaataa  | atctagtata  | gtaacctgtt  | ctatccaatt  | catactgcaa  | agatgctact  | 1903560 |
| ttttttataa  | agtacctata  | tttcgtttcg  | tttttctttc  | gtacaagaag  | gagtttatgt  | 1903620 |
| aactttgcac  | tgcattattc  | cgtttaataag | attatcattt  | taacaaacat  | aaacaagtgc  | 1903680 |
| tatgattcta  | tttttcagaa  | cacctactaa  | cagtgttaatt | gctaccgaat  | gtagcaaaga  | 1903740 |
| gctgaactct  | gaagacatca  | agaaattatg  | ctggctatac  | agcgacgcta  | ctgtagaaac  | 1903800 |
| ggaagataac  | cttaaaggat  | ggtttatcgg  | tccacgtcgt  | gaaatgatta  | ctccgtggag  | 1903860 |
| tacaaacgct  | gtcgaaatca  | ctcagaatat  | gggattgcaa  | gggattcgcc  | gtatcgagga  | 1903920 |
| atacttccct  | gtaaaaagacg | aaaatgtcga  | ccatgaccg   | atgctgcaac  | gcatgtatca  | 1903980 |

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|             |             |             |             |             |             |         |
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| cggactggat  | caaaaaatat  | tcgatgtaaa  | catcaaacca  | caaccgatta  | tttacattga  | 1904040 |
| gaatttggaa  | gaatacaacg  | agcaggaagg  | acttgcgctc  | tcacgtgaag  | aaatggacta  | 1904100 |
| cctgctgaaa  | gtagaaaaag  | acttgggtag  | aaaactgaca  | gactctgaag  | ttttcggatt  | 1904160 |
| tgcacaaatc  | aactcagaac  | actgtcgcca  | taaaatatct  | ggcggaaacat | tcatcatcga  | 1904220 |
| cggaaaagaa  | atggaatctt  | cacttttcca  | gatgatcaaa  | aaaaccactc  | aggagaatcc  | 1904280 |
| taacaaaatc  | atctctgctt  | acaaagacaa  | tgttgctttt  | gccgaaggtc  | cggttgtaga  | 1904340 |
| acaatttgct  | ccgaaagacc  | actccacttc  | cgattatttc  | attattaaaa  | atatcaagac  | 1904400 |
| ggttatttca  | ctgaaagccg  | agactcacia  | cttcccagaca | actgtcgagc  | cgttcaacgg  | 1904460 |
| tgcactctacc | ggtaccggtg  | gagaaatccg  | cgaccgtatg  | ggcgggtgga  | aaggctcatg  | 1904520 |
| gccgattgca  | ggtacagccg  | tttacatgac  | ttcttatcca  | cggacagacg  | aaggacgcga  | 1904580 |
| atgggaaaac  | attctccccg  | tacgtaaagt  | gttataccag  | actcctgaac  | agattttgat  | 1904640 |
| taaagcctca  | aacggtgcat  | ccgatttcgg  | taacaagttc  | ggtcagccgc  | tgatctgtgg  | 1904700 |
| ttctgtcctg  | actttcgagc  | atcaggaaaa  | cggtgagaaa  | tatgcttacg  | acaaagttat  | 1904760 |
| catgctggct  | ggaggtgtag  | gatatggtac  | gcagcgcgac  | tgtctgaaag  | gtactcccga  | 1904820 |
| agctggcgac  | aagattgttg  | tcatgggtgg  | tgataactac  | cgtatcggtt  | taggtggtgg  | 1904880 |
| ttccgtttct  | tcagtagaaa  | ccggacgtta  | ctcttccggt  | attgaactga  | atgccgtaca  | 1904940 |
| gcgtgccaat  | gctgaaatgc  | agaaacgtgc  | ttacaacgtc  | gttcgtgcat  | tgtgagagga  | 1905000 |
| agatgaaaat  | ccgattgttt  | ctattcacga  | ccacggatct  | gccggtcacg  | taaactgtct  | 1905060 |
| gtctgaattg  | gtagaagatt  | gtggtggctt  | gattcacatg  | gacaaacttc  | ctatcggtga  | 1905120 |
| cgaacttttg  | tctgctaaag  | agattatcgc  | taacgaatct  | caggagcgca  | tgggattgct  | 1905180 |
| gattgacgaa  | aaggccatcg  | aacatgtaca  | gaaaattgcc  | gaccgcgagc  | gttctccgat  | 1905240 |
| gtatgttggt  | ggagaaacaa  | ctggtgatca  | tcgctttgct  | ttcgaacaag  | ctgatggtgt  | 1905300 |
| ccgtccgttc  | gacttggcag  | tagaccagat  | gttcggctca  | tctcccaaga  | cttatatggt  | 1905360 |
| ggacaagacc  | gtagaacgtc  | attacgaaaa  | tgtatcatac  | gatactgcta  | aattaaatga  | 1905420 |
| atatatccgc  | caggtattgc  | aactggaagc  | tgttgcttgt  | aaagactggg  | taaccaacaa  | 1905480 |
| ggtagaccgt  | tccgttacag  | gtaagattgc  | acgccagcag  | tgtcagggcg  | aacttcagtt  | 1905540 |
| gccgttgagc  | gactgtgggtg | tcgttgctct  | cgattaccgt  | ggagaaaaag  | gtatcgctac  | 1905600 |
| tgcattaggt  | catgcacctc  | aggcagcctt  | ggctaattccg | gcagcagggtt | ctgtactcgc  | 1905660 |
| tgtatcagaa  | gctttgacca  | acattgtatg  | ggcaccgatg  | gcagaaggac  | tcgacagcgt  | 1905720 |
| ttctctgtcg  | gccaaactgga | tgtggccttg  | ccgttcacag  | gaaggcgaag  | atgcacgttt  | 1905780 |
| gtacacagcg  | gttaaagcct  | tgtctgattt  | ctgctgtgca  | ctgcaaatca  | acgttccgac  | 1905840 |
| cggaaaagac  | tctttgtcaa  | tgactcagaa  | atatccgaac  | ggagaaaaaa  | tcatcagccc  | 1905900 |
| gggaacagtt  | attgtttctg  | ccggagggtga | agtttctgac  | gtcaagaaag  | tggtttctcc  | 1905960 |
| ggttatgatc  | aacaaggaaa  | aatctacttt  | ctatcacatc  | gacttcagtt  | tcgatgaatt  | 1906020 |
| gagattaggt  | ggttcagcat  | ttgctcagtc  | actgaataaa  | gtaggtgatg  | atgttccgac  | 1906080 |
| tgtacagaat  | ccggaatact  | tccgtgatgc  | attcattgct  | attcaggaac  | tggtagacaa  | 1906140 |
| gaaactgatc  | cttgccggac  | acgatatctc  | tgccggagggt | atgatcacta  | ctcttttggg  | 1906200 |
| aatgtgcttt  | gccaacaccg  | aaggcgggtat | ggaaatcaac  | ctcgacaaga  | ttaagtgtga  | 1906260 |
| cgacatcgtg  | aagattttgt  | ttgcagaaaa  | tccgggtggt  | atcattcagg  | tagccgacaa  | 1906320 |
| gcacaaatcg  | gaagtcaaga  | agattctgga  | agatgctggt  | gtaggttatg  | tcaagattgg  | 1906380 |
| tgttcctaca  | gacgaacgtc  | atattttggt  | aaccaagcac  | gatgctactt  | accagtttgg  | 1906440 |
| tatcgattat  | ctgcgtgatg  | tatggtactc  | tacttcatac  | ttgctcgacc  | gcaagcagag  | 1906500 |
| catgaatggt  | tgcgcaaaga  | aacgtttcga  | aaactacaag  | cagcaaccgc  | tgggaattcgt | 1906560 |
| attcgacaag  | tcgtttaccg  | gtaagctttc  | acagttcggg  | ctggatccgg  | atcgctcgta  | 1906620 |
| accaagtggg  | atcaaagctg  | cgattatccg  | tgaaaaagga  | acaaacgggtg | aacgtgaaat  | 1906680 |
| ggcttacatg  | ctctacctgg  | caggcttcga  | tgtgaaggat  | gtcaccatga  | ccgacttggt  | 1906740 |
| aagcgggaaga | gaaacattgg  | aagacatcaa  | catggtagtt  | tattgtggtg  | gtttctctaa  | 1906800 |
| ctccgatgta  | ttgggttctg  | ccaaagggtg  | ggcaggaagc  | ttcttgttta  | acccgaaagc  | 1906860 |

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| taaagcagcc | ctcgacaact  | tctatgctcg | cgaagatacc | ttgtcactcg | gcgtttgcaa | 1906920 |
| cggctgccag | ttgatgatgg  | aactcggcct | gatcactccg | gaagacaaga | agaaaggcaa | 1906980 |
| gatgctccat | aacgattcac  | acaagttcga | atctgctttc | ttaggcgtaa | ctgttccgat | 1907040 |
| gaaccgcagt | gtaatgttcg  | gctcgttgag | tggatcgaaa | ctgggtatct | gggtagctca | 1907100 |
| cggagaagga | aagttctctc  | tgccttatcc | ggaagatcat | tataatgtag | tattgaaata | 1907160 |
| ttcttatgat | gaatatccag  | gcaacccgaa | cggttctgat | tacagcgtag | caggtattgc | 1907220 |
| ttcacaagac | ggacgtcatt  | tggcgatgat | gcctcacttg | gagcgtgctt | gtttcccatg | 1907280 |
| ggaaaacgct | tactatccat  | tagaccgtaa | ggacagcgac | cagatcactc | cgtggatgga | 1907340 |
| agctttcgtc | aatgcacgca  | aatgggtaga | agctcataag | aaataaagat | acaattcttt | 1907400 |
| cttataaata | gtaaaaaggcc | atcttgaatt | caaatttgag | atggcctttt | ttacgtttat | 1907460 |
| caaaatccga | cgtattctga  | ttttacttat | ccccaacaat | acaattccac | tcgatatttt | 1907520 |
| taagcttcat | accgaaaaag  | ataagcctca | tgcaaaccga | ttaagagcct | aatctaaca  | 1907580 |
| tacaagaaga | aacaaagagg  | gaaaaacatc | aaaggaacct | aaagcagaag | taattagaag | 1907640 |
| gattgaaaaa | aaataaaaac  | taattgtttt | agttatttaa | ctataaaaat | tagtttataa | 1907700 |
| actaaaagtt | ttagttcttt  | gcagtaatca | aatgaaacgg | atatgaaaac | acttaccgcc | 1907760 |
| aaagaagaag | aaatcatggg  | atttttctgg | gagaaaggac | ccatgttcgt | caagcagctg | 1907820 |
| gtggagcttt | acgaagaacc  | acgtccacat | tttaataccc | tatcgaccat | tgtgagaggg | 1907880 |
| ctggaagaga | aaggttattt  | gtcacatacg | gcatttgcca | atacctatca | gtattatgcc | 1907940 |
| atagtatcgg | aagacgaatt  | ccgacggaaa | acgctgcgag | gggttattcg | caaataattc | 1908000 |
| aacaactcat | ttttaggtgc  | cgtttcctca | ctggtgaagg | aagaggatat | ctcggtagag | 1908060 |
| gaactcaaa  | agctcatccg  | tcaggtagaa | gaaggacaac | acgaaaagcc | acaataaaac | 1908120 |
| ctttctactt | atgggatact  | ttttagtcta | tatattcaaa | tcggctgtct | gcctcgccat | 1908180 |
| gttctactta | ttttatcgcc  | tgctgctcag | taaggagact | ttccaccgct | tcaaccggat | 1908240 |
| ggcattgata | gggatcatgc  | tgctttcgtg | tttattgcca | ctgatacaag | ttacggtaaa | 1908300 |
| agagggttct | ccgataaaca  | cacaagtcac | gtcgaatgaa | gatttactat | tgatgtacca | 1908360 |
| atggaacaac | ggagcaacag  | taataggaga | agacacttgt | tcgtttcgct | ggcaggaagg | 1908420 |
| actggtatta | gggtattttg  | caggattact | atccgtcata | acctgccacc | tttggtcact | 1908480 |
| gggacgatg  | ctttacctca  | ttcgccacag | ccgatgtaaa | aagctggacc | acggtgtccg | 1908540 |
| tctggtgata | caccaacgca  | atatagcccc | tttcagctgg | atgcgataca | tcgtaatctc | 1908600 |
| agaaacagac | ctgaaggaaa  | acggacacca | catccttgta | cacgaactgg | cccacatccg | 1908660 |
| atatcatcat | tcatgggacc  | tgctactgac | tgagctttgt | atctgggggc | aatggttcaa | 1908720 |
| tcccgcaatc | tggctactca  | gacaagagtt | acagaacatc | cacgaatatg | aggccgatga | 1908780 |
| ggaagtactc | cgtcagggca  | tcaacgcgaa | agaatatcaa | atgttattaa | taaaaaaagc | 1908840 |
| cgttggcgca | aggctttact  | ctattgccaa | cagctttaat | cacagttcac | ttaaaaaacg | 1908900 |
| tatcactatg | atgattcgaa  | aaaaatccaa | tccatgggca | cgtgctaagt | acctctacgt | 1908960 |
| acttccgttg | gctgctgtca  | cgatggctgc | ctttgcccg  | ccagaaatct | cccagtcatt | 1909020 |
| ggacgagatt | tcaagtgtca  | aagttaatga | tttatcggca | gttataaaaa | aggacgccga | 1909080 |
| taaaaatgtg | tcaactaccg  | cagaaaaggt | tacactgaag | atgaaagtgg | tagatgaaaa | 1909140 |
| aggcaagcct | gtaatgggag  | ctaccgtact | catcgcaaac | accaccaagg | gtacggtaac | 1909200 |
| agacacagac | ggcaatttca  | cgctggaagc | cggaaccgac | caacaacttc | aggtggccta | 1909260 |
| catcggtatg | ggtacggtca  | cgctgtctgt | cgcagactgc | ctgaagaaga | ccgaccagac | 1909320 |
| tatccggctg | acagccgaca  | atactgccct | tcaaaaagaa | ctgaaaggtc | gtgtggaaaa | 1909380 |
| catacaacaa | aacgactctc  | cggttgtaac | gccgaccatt | cagatacatc | agggaaacaa | 1909440 |
| gaatgactac | aacgttcagg  | taaaagcaga | acactcaccg | cttgtcatat | tagacgaaac | 1909500 |
| ggaagtctca | accgaaacaa  | tggaaaagct | caatccggaa | aacattgaat | ctatcaccgt | 1909560 |
| attaaaagac | gtgtcggcta  | cggccaaata | cggtcagaaa | ggaaaatacg | gagtcattct | 1909620 |
| catcaccacc | cgaaaaaaat  | gaataaatga | tactatatca | aatgaaaaaa | ctgagatagg | 1909680 |
| cctacttaca | atctataagt  | tacaacaaaa | aatctcctac | tttaaccttt | gtttttttta | 1909740 |

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| attataggat  | taaaggtagg | agattttttac | ttctaagttt  | caatctataa  | gattttttact | 1909800 |
| tttgcagctc  | aaactaactg | aagcataccg  | taacgatttt  | gtattcaatt  | ttcaccgtat  | 1909860 |
| acttcatttt  | aagacagccc | ctttttat    | tctcccgttt  | tgttttgagg  | actcagcctt  | 1909920 |
| tttcccgcga  | tttgcaaaat | atgaccttcg  | ggataaaaact | aataataatg  | aaacggatta  | 1909980 |
| tcttaattac  | agcgtgctta | ttactatcgt  | ttttctttcc  | gctacaagcc  | caaattcttg  | 1910040 |
| aatacatcaa  | catggagaat | ggactcagca  | gtcgaagagt  | cttatctata  | cagcaggaca  | 1910100 |
| aacaaaacta  | tatttggtat | cttaccata   | aaggactgga  | ccgatacaac  | ggaaaacagt  | 1910160 |
| tcaagcacta  | tctgctccgt | catcagaaga  | cagctatcag  | tttctaccgc  | aatctgaatt  | 1910220 |
| atctctatgc  | agataaagac | agtaacattt  | gggaggctgg  | taaagacggg  | cttatattcc  | 1910280 |
| ggtacgcagc  | acccaaggat | tcttttcaac  | tcgtcttcga  | cttcaagaca  | aagtatcccgc | 1910340 |
| aaatgaagaa  | gactcccatt | tccaacgtat  | atatggatat  | gaagtctaatt | ttctggctgt  | 1910400 |
| gcgcagggtc  | cagacagtat | atatacaatc  | attttacagg  | taaaagtttt  | cagctgggtac | 1910460 |
| ctggcattca  | ggataaatat | gtcagcatca  | ctcaggctga  | aggaaacaaa  | tactatcttg  | 1910520 |
| cttccgaaca  | ccggctatac | gaagtgaac   | tcgtcaacga  | acaattgtca  | tctataaagg  | 1910580 |
| ccatcaaaact | ggaggatgta | tacctcattg  | attacattta  | ttacaacaag  | ccttccaaac  | 1910640 |
| agctggtagt  | caacacactg | ctagacaagc  | tttttatata  | cgacacacaa  | agccagcaaa  | 1910700 |
| tcagcaaacac | gggtaatacc | atgagagata  | tcggcataaa  | caaaattatt  | ccgagtaaaa  | 1910760 |
| aagagaaaaa  | tgtactgctc | attgcaacag  | atggcgatgg  | agtatacaag  | ctagacctca  | 1910820 |
| accggaaaaac | actgggtcat | ttcctacagg  | aagatacccg  | ccgtcccaat  | aagatgaacg  | 1910880 |
| gcagtattgt  | caaagatatc | tacatggata  | atgccaacgc  | aatctggaat  | gtcatctatc  | 1910940 |
| ccaccggaat  | cactatttat | accgaaaaat  | atcccgcgta  | cgaatgggtc  | atgcactcgg  | 1911000 |
| ccaattatac  | aaactcgta  | ataaataact  | gtataaacgc  | catcatagaa  | gattctgaag  | 1911060 |
| gtgactcatg  | gtatgctacg | agtgacggag  | tatgttattt  | tgatgtcagt  | gaaaacaaat  | 1911120 |
| gggttaattt  | ctattcatcg | catacccca   | atgcagacca  | gagcgaaaac  | catatcttta  | 1911180 |
| tttctttgtg  | cgaaagcagt | ccgggtatca  | tcttggcagg  | cggctacatg  | tccggcatct  | 1911240 |
| acaagataga  | caagaaaaaa | cgtgaagtaa  | cattcttcca  | gcagaaagac  | atccggcagg  | 1911300 |
| gagaaggccc  | cgataaatat | atccgtagca  | tttatcgca   | caatgaaggg  | tttatctgga  | 1911360 |
| ttggaggatt  | ctatcgtctg | aagtcctaca  | acctcgctac  | caaagagata  | agcgagtaca  | 1911420 |
| acgtcgggta  | tcctatcact | tatattacc   | agaaagacga  | acattcttta  | tgggtaggaa  | 1911480 |
| ccatcaacgc  | actgtttgtc | ttcgacaagc  | agaagaataa  | ggatcatgcc  | tttgatacaa  | 1911540 |
| atttcgatat  | tcaatgtatc | aatatgggat  | acaatgatcc  | gtcggggaaa  | tattcttatt  | 1911600 |
| tcggaactta  | tggcaatgga | ctcttcatat  | atgataacca  | caccaaacag  | gttaccgcgt  | 1911660 |
| attatgatga  | aaactgcggc | ctcatcagta  | acaacattta  | cagcatcgtg  | cccgaccgga  | 1911720 |
| acggaaatct  | ttatctcggg | acagaaaacg  | gactgtcttt  | tttcgacatc  | aaggccgata  | 1911780 |
| catttaccaa  | ctggaccaaa | gaacagggat  | tactggctgc  | cagcttcaat  | cccaacgcgg  | 1911840 |
| cgatacgtac  | acgcgacggg | cacatgattt  | ttggaagcaa  | tgaaggagtc  | atcgtactgc  | 1911900 |
| ccgacagcat  | ccagttgcc  | aaaacattta  | ccagccagat  | gatattctcc  | gacctgagta  | 1911960 |
| tcatgtaccg  | cactgtacat | ccgggagaaa  | agggctcacc  | gctcacacaa  | ccgctgaacc  | 1912020 |
| agacttctcg  | tatagaactg | gattacgacc  | agaatacatt  | ctcgatgaat  | gtttcatcca  | 1912080 |
| tcaatttcga  | taatccgtcc | aatatcatgt  | acagctggaa  | actggaggga  | ttttacgatc  | 1912140 |
| actggactcc  | tccctcgaga | gacaatctga  | taagatacac  | caacttatca  | ccgggcaatt  | 1912200 |
| acacccttca  | cgtccgtgcc | atcttaattg  | ataaccatca  | ggtgctggaa  | gagcgggaaa  | 1912260 |
| tacagattct  | gataggccga | cctatctgga  | tgacattctg  | ggcattttta  | ttttatgctt  | 1912320 |
| tgattatcgt  | cggcataagc | tatgccatca  | tgcgatacca  | gatgatacgc  | cgcgacaaac  | 1912380 |
| aaatatcgca  | ggccaaaatc | aatttcttca  | tgacagcggc  | acacgacata  | cgtactccgc  | 1912440 |
| tgactctgat  | caaagcgcct | ttgggggaaa  | ttctgaaaaa  | cgagcagtta  | acggaacagg  | 1912500 |
| gaaatgctaa  | cctgaacctt | gccattcaga  | gtacggacaa  | tctttccgaa  | ctggcaaaac  | 1912560 |
| acctcatgaa  | tttccaaaaa | gaagaactgt  | atagttctcg  | cattctggta  | actcgacatg  | 1912620 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aactgaacca  | gtatatacaa  | agctatatgc  | agcaattcaa  | ggcttatgcc  | gagcaaaagg  | 1912680 |
| gtatagattt  | tcagtatcaa  | agcgatttca  | gcagtctgga  | agtatggatc  | gaccagaaca  | 1912740 |
| agattgattc  | tatcctacag  | aacctgttaa  | gcaatgcgtt  | gaaatatacg  | cctaaggggg  | 1912800 |
| aagtgttaacc | atagaagccg  | gccacaacaa  | aagccgctgg  | accctgatta  | taaaagatac  | 1912860 |
| cggcatcggc  | atcccgaag   | aggatcagaa  | aaagttattc  | aaatttctgt  | tccggggaaa  | 1912920 |
| gaatgccacc  | aaccaactga  | taacaggttc  | cgggtgtaggc | atgctgctta  | cataccgatt  | 1912980 |
| aatcaagaac  | catgaaggca  | agatcagctt  | caccagtacg  | gaaaatgtag  | gtaccacgtt  | 1913040 |
| ccagctgagt  | ttccctatcc  | ggagcgaaca  | ctaccagtac  | cgcaacgagg  | aatacaacag  | 1913100 |
| caacgtagct  | ccaatgctgc  | tgcaagatgg  | cattttctct  | gtcatgccgg  | tcgtggaaca  | 1913160 |
| gcctctggta  | actgcccgtc  | ccgacagccc  | gcgcatcctg  | atagtgggaag | ataatgccag  | 1913220 |
| tcttcgcctc  | ttcctgatga  | aaagcctgtc  | ggacacctat  | caggtagagg  | gagcagaaaa  | 1913280 |
| cgggcaggaa  | gccatcgaca  | agataaaaat  | ccagcagccc  | gacctgatca  | tatcggacgt  | 1913340 |
| gatgatgtct  | gtcatggatg  | gagaaacat   | gtgccgcacc  | ctgaaatcgg  | atattgaaac  | 1913400 |
| cagccatatt  | ccgattatac  | tgcttacagc  | tctgggagat  | aaaaaagata  | tcctgcgcgg  | 1913460 |
| tttggaact   | aaagccgaca  | tgtatatgtt  | caagccattc  | gacctgatgg  | tgctgaaggc  | 1913520 |
| aaacattagc  | aacatcctgg  | agaaccgtga  | aatcatatcg  | aagaagctgc  | aacaagcctc  | 1913580 |
| ggtgagccct  | gaagctccaa  | ccgaggagat  | agccatgccg  | accaatctgg  | ataacgaatt  | 1913640 |
| tatgcagaaa  | gtaacgacgc  | tggatcaagga | aaatctggga  | aaagacctta  | cggtagatac  | 1913700 |
| cctctgtgca  | ggaatgaaca  | tgagccgtac  | cagtttttac  | aataagataa  | aggctttgac  | 1913760 |
| aggcatggct  | cccaatgatt  | tcatacggaa  | tatacgcatt  | caggaagcag  | ctactttgct  | 1913820 |
| ccgaagccag  | aaatataccg  | tagccgaagt  | agccgacatg  | atggaatttg  | ccgatccgaa  | 1913880 |
| gtatttcacc  | gatacattca  | agaaatttta  | cggcgtaccg  | cccagcatct  | ataagaaaag  | 1913940 |
| tgaataatga  | acaataataa  | gaaacaatga  | atttttacat  | caaatcattt  | ctgatcttta  | 1914000 |
| cccgaatcgg  | agcctttacc  | attggcgggg  | gatatgccat  | ggtacctctg  | atagaaaatg  | 1914060 |
| aactggtaga  | caagagaaaa  | tggatttcaa  | gagaagattt  | tctcgattta  | atggcatttg  | 1914120 |
| cccaaaccgt  | tcccgggaatt | tttgctgtca  | atattgctat  | ctttatcgga  | tacaaactga  | 1914180 |
| agaaattctg  | gggagcattc  | tggatggctt  | taggtacgat  | tcttccttct  | ttcgtcatca  | 1914240 |
| tgcttgccat  | agccctgttc  | ttccagcagt  | tcaagcatat  | tccggcagta  | gagaatatatt | 1914300 |
| tcaaaggcat  | ccgtccggcc  | gtagtagcat  | tgattgccgc  | accgacattc  | aaaatggcaa  | 1914360 |
| aatcggccaa  | aatcaaccgg  | tataatctct  | ggattccttg  | tgtttctgca  | ttgcttatct  | 1914420 |
| ggctgctcga  | cttttctctt  | atctatgtca  | tcatattaag  | tggagtgggc  | ggctatctgt  | 1914480 |
| acggacgata  | taaagacaaa  | caaaacgtaa  | acgaagaaaa  | taaacagtca  | tgatattctt  | 1914540 |
| acaactattc  | tatacathtt  | tcaagatcgg  | actcttcggt  | ttcggaggag  | gatacgccat  | 1914600 |
| gatctccatg  | attcaaggag  | aagtcgttac  | acgccacgag  | tggctcagtt  | ccacagaatt  | 1914660 |
| taccgatatc  | atcgctatca  | gccagatgac  | tcccggacct  | atcggaatca  | actcggctac  | 1914720 |
| atacgtagga  | tattcggctg  | ttgtaaacgc  | gggatactct  | catgttatcg  | gcatttttagg | 1914780 |
| atcggtcgtc  | gctaccgttt  | cggtagtact  | gccgtcattt  | atcctgatgg  | tattgatcag  | 1914840 |
| taagtctctt  | ttgaaatatc  | agaagcatcc  | gatcatcgct  | tccgtgttca  | agggttttacg | 1914900 |
| tccgggggta  | gtcggactgc  | tggcagccgc  | tgacttggtt  | ctgatgaacg  | gagagaactt  | 1914960 |
| cggtagcttac | aactggcaga  | ttctgacgag  | tatcttactt  | tttgccggaa  | cattcatcgc  | 1915020 |
| ctcctaccgc  | tacaaagtca  | atcccattct  | cttgattgta  | atctgcgggt  | tcatcggctt  | 1915080 |
| tatcacattc  | ggttatatcc  | ttacccaca   | ataatctgaa  | aagattccaa  | gtgtcggcag  | 1915140 |
| atatactttt  | caccaaagcc  | tcagcatgtt  | ttcttccaga  | tatgagattc  | tgggtgaaaag | 1915200 |
| ttcatgccga  | catcttttta  | ttttttgtac  | aaatcctgaa  | attttttgta  | caaaattttcc | 1915260 |
| aaaaacatgc  | cgacgttttt  | tccgactttc  | gccaatatcat | tgggaaagat  | tttaccgtag  | 1915320 |
| ccgaagaaga  | tatttcttat  | gcctgaatcg  | ccagcatttg  | agagatgagc  | aaagattcaa  | 1915380 |
| aggaagaata  | aatctcggaa  | gccgtcccga  | ccgtaagtac  | caaccgggtt  | gcagcctgca  | 1915440 |
| catcgagcat  | cggcaagccc  | ggtttttggt  | ctgttccgga  | acattccaga  | cacaaatacc  | 1915500 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| cgttacgggtt | catcgcggttc | tgtgtccagt  | gacgcaaggt  | ttcatccgaa  | gcatttcaggt | 1915560 |
| aaatacactt  | gtttcctttc  | acggcaggag  | aataaatgcc  | atgcatcgaa  | tcgaagcgaa  | 1915620 |
| tatcttcgtg  | cggaaaaaag  | tgatccatct  | tatgagccag  | tatcaagtcc  | tcagtcaccc  | 1915680 |
| cgcaagtcaa  | tccttctccc  | ttcttcatca  | gccacaatct  | gtcaccaagt  | accagtcctt  | 1915740 |
| gctcaatgtc  | gtgagtagac  | atcaggatag  | cacgctgttc  | ttccgaagca  | agccgatgaa  | 1915800 |
| gcaacgtcat  | gatttcaatg  | cgactgacca  | catcgagaaa  | agcggtcggg  | tcacgcagca  | 1915860 |
| atatcaacgg  | acactcctgc  | accagcgctt  | tggctatcat  | tactttctga  | cgctctccgt  | 1915920 |
| ccgacagttc  | cgccgtatat  | ttcgaagcct  | tgtcgtctat  | gccgacagcc  | cgcaaagcat  | 1915980 |
| ggtcgatttt  | ctcattatct  | tcccggctta  | accgtccgaa  | gaatcccgtg  | tgcggctggc  | 1916040 |
| gtcccaaagc  | cacaagttcc  | cgtaccgaca  | atccccccgc  | ctgctgtctg  | tcggtcagca  | 1916100 |
| caatccctat  | ggcacgcgaa  | cgctccttgg  | gagaataacc  | ggaaagcggt  | ctgccgagca  | 1916160 |
| gaaaaatatc  | tccagccaac  | ggcgactgca  | cggcagccaa  | tgtacgaagg  | agtgtagatt  | 1916220 |
| ttccggcccc  | gtttgtctcc  | agcagacacg  | tcagttctcc  | acggcacaaa  | cgaaaattca  | 1916280 |
| aattgcgggtg | tactacctcc  | tcccgttttc  | catgacgata  | accgatgggtg | aggttcttcc  | 1916340 |
| cttctatgac  | aacagatttc  | gaatccatgc  | tttcaattaa  | aatattgtat  | cttccgctgg  | 1916400 |
| ttgacaatca  | cataaataat  | gaccggagcc  | cctagcagag  | gtgttacggc  | attgagcgga  | 1916460 |
| ataatacccg  | cctcccccg   | caaaatgcaa  | atcagattac  | acaataatgc  | aacggcacta  | 1916520 |
| cctgtaagca  | gggtaaccgg  | catgagtga   | ttatgattcg  | aggtaccag   | catcagtcgt  | 1916580 |
| gccatgtgag  | gcaccgctag  | tccgataaag  | gcaaccggac  | cacaaaaggc  | agtcgtgaca  | 1916640 |
| gcggtaagca  | gaccggtagc  | aagcaacagc  | cagttacgga  | tgcgacgtat  | attgattcct  | 1916700 |
| aaattctccg  | cataacgagt  | accagcagc   | aaagcattaa  | gaggctttat  | caataaaaata | 1916760 |
| gcaaccagca  | gtcccaacaa  | tgtcacaata  | gaaaaaccgg  | gaagctgtgc  | catcgagaca  | 1916820 |
| ccgccaaaagt | ttcccattcc  | ccagattaca  | aaggaatgaa  | ctccttcggc  | cgtagaaaaa  | 1916880 |
| aagttgagca  | aggaaatcac  | cgacgatacg  | acataaccta  | tcataattcc  | ggcaatgagc  | 1916940 |
| aacatcacat  | tattctttat  | cacaaccgac  | aggaacatga  | tgaccgccat  | gaccaatata  | 1917000 |
| gcaccggcaa  | aagcaccggc  | aaccacagag  | aggaaaccgg  | aaagtgcaaa  | ttctccggca  | 1917060 |
| acaatacttc  | ctccccagc   | cagcaagacc  | agcgcgactc  | ctagactggc  | tcccgaactg  | 1917120 |
| attcccaaaa  | tggaagagtc  | ggcaagcgga  | ttgctgaata  | ccgtctgaag  | catcagtcct  | 1917180 |
| gaagcagaaa  | gcgctgtctc  | acaaagcaaa  | gccgtttatac | actgagggtac | gcgtgattcc  | 1917240 |
| cagacgatga  | actgccagct  | ttccttttcc  | acctcgccac  | caaacaagat  | gttttcctaca | 1917300 |
| gccttcagcg  | gaatatccac  | cgaaccgaag  | gccaaagtgg  | ctgccatgag  | caccacaatg  | 1917360 |
| attcctgcga  | gtgcacagcc  | atatatatac  | cccttatttg  | ctttcatgtg  | taccgatttc  | 1917420 |
| tgcttcactc  | cgctaaatta  | gtaaaatatac | tgaggagtata | gtctttcaag  | acaatgggat  | 1917480 |
| gaaagacctt  | taccaaactc  | tccagcagca  | gttcaggatg  | gaatggaact  | tcttcataaa  | 1917540 |
| atggaatacg  | tcccgtattg  | caaccataca  | cctttcgggtt | acggaacgca  | tcaaaattag  | 1917600 |
| catacgagc   | ataatcgctt  | ttcagctccc  | gatacgtttt  | gtctacctgc  | tggttatact  | 1917660 |
| ttatcaacca  | gtaatcgga   | tgttgctcctt | tgtcgaatac  | cgtttcgaaa  | gccaaagcag  | 1917720 |
| ccgaaccact  | ttgcggaata  | tccgcaaaga  | tatagcgtgc  | tccggcatcg  | gcatacactt  | 1917780 |
| tagccatcgt  | actgtttcct  | cccggcacat  | accaggttcc  | tccagtcttc  | agctctgtaa  | 1917840 |
| tgacagtcgg  | cttgggagat  | atttccttta  | cctgatcacg  | aagtgtgaaga | tacttccgct  | 1917900 |
| ccacttcggc  | aaacagcgaa  | tcggcctctt  | tctctttacc  | gaacaacaac  | ccatagaaac  | 1917960 |
| gtacccattc  | ggcacgtccc  | aatgctgaag  | tttccatata  | gtcggcacat  | tccagaatcg  | 1918020 |
| gcacgtttag  | cttttctatc  | cgtccatagc  | ctccactgtt  | ttcatacggc  | gaaagcaaaa  | 1918080 |
| taccatcggy  | atgcatgtcg  | atgacctttt  | cgatgtccgg  | actcatgctg  | ctccctgcat  | 1918140 |
| ttgttatttc  | acctttctga  | catccttcct  | gtatggcagg  | aatgcgtata  | tactgcacat  | 1918200 |
| cgcacacacc  | ttttacgtga  | tccagagcct  | ccagttcctg  | caaaagagca  | caatgcaccg  | 1918260 |
| acgagtaaac  | cagtgcacgg  | gtcagaggta  | cgtgtatcac  | cgccccctca  | ggaagagata  | 1918320 |
| ttgcacttgt  | atccgccttg  | tcgaccagca  | ggtaagtacg  | gagtatcttc  | agtgtatccc  | 1918380 |

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|            |             |             |             |             |             |         |
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| acggattccg | caacgtaacc  | tttgataacc  | ggctgacttt  | cacaatctgc  | aagttctcgg  | 1918440 |
| cataacgcag | ccgaagcgta  | tctccctcct  | cctgcaaaaa  | agaggtcttg  | ctctttccac  | 1918500 |
| tgcacgcgga | aaacagcaag  | accataagta  | ctatatgggc  | agatagtatg  | tattttcttc  | 1918560 |
| aaacgttctt | tgtcataaca  | ataactaaat  | tcaatttaac  | aaaacacgac  | aggggcgga   | 1918620 |
| aaaactcccc | catttcccta  | cctgaaatat  | gattttctca  | atcagtttac  | attcttataa  | 1918680 |
| ccttttcctc | gaaggcataa  | gcgcgatatc  | gttttgacgg  | tcttctgact  | tactccagct  | 1918740 |
| tgttatgcct | tcccgccttt  | cctgtgactt  | tcaggaaacg  | gcagtggctt  | gaagtggtaa  | 1918800 |
| acaagcctcc | tcaaggagct  | tacagcagcg  | ggactgtccg  | ggactttcac  | ccgattccct  | 1918860 |
| tttcatccgc | agcttcgcac  | taccaatcgg  | gaagcctgac  | ggaacaaaac  | tatgacaaat  | 1918920 |
| atatgcaata | acttgataca  | acacaacaaa  | acgtgaacta  | aatccaaat   | ttatttggtta | 1918980 |
| actttgcaca | cattcattaa  | aaacatctat  | aggcatgatt  | acagcagaaa  | acattttact  | 1919040 |
| tgtcggctcc | gttttaaatct | ttacgagtat  | ccttatcagt  | aaaaccggct  | atcgtttcgg  | 1919100 |
| tattcctacc | ttgctcttat  | tccttctggg  | gggaatggcc  | ttcggcagtg  | acggattagg  | 1919160 |
| tatccagttc | aacagtgcct  | ccgatgctca  | gttcacgga   | atgatggcac  | tcagcattat  | 1919220 |
| tctgttttcc | ggaggaatgg  | ataccgcgta  | ctctgatatc  | aagcctgtac  | tgaacaagg   | 1919280 |
| tattctccta | tctaccgtag  | gagtactggg  | cacgactctg  | ctgacaggat  | tgtttattta  | 1919340 |
| ttttctatcc | aatcatacac  | aagccaatat  | cgaacttaca  | ttgctgggat  | ccttgctgct  | 1919400 |
| tgccgctacc | atgtcatcta  | ccgactcggc  | ttcgggtgtc  | agtctgctgc  | gctctcagcg  | 1919460 |
| aatgaatcta | aagtataatc  | tccgtccgat  | gctggaactg  | gaaagtggaa  | gtaacgaccc  | 1919520 |
| catggcatat | atgtgacca   | tcgtactgat  | tcaggttatc  | ggaagcggaa  | gtaattttga  | 1919580 |
| tattgtcatt | attctgaagg  | acttgttctt  | gcagttcctt  | ttcggaggag  | tattgggata  | 1919640 |
| tgttttcgga | aagttctctg  | tatggcttat  | caacaagata  | gagctttcca  | atagttccct  | 1919700 |
| ctacccgatt | ttgctactca  | gtatcatctt  | tattactttc  | acactgacag  | acttgggtgaa | 1919760 |
| agggaacgga | tatctggccg  | tatacattgc  | cggaaatgatt | gtggggaatg  | cccgccttgc  | 1919820 |
| ctaccggaag | gaaacgaata  | cgttcatgaa  | cggactgacg  | tggctgttcc  | agattatcat  | 1919880 |
| gttctctcac | ctgggactct  | tggttaatcc  | acacgaaatg  | attgacatcg  | cagtaactgc  | 1919940 |
| cttactcatc | ggtattttca  | taattctgat  | agcacgaccg  | gtaagtgtat  | ttttatgcct  | 1920000 |
| gcttcccttc | aaaggaatca  | gcaacaaagc  | acgcatcttt  | atttcatggg  | taggattaag  | 1920060 |
| aggagccgtt | cccatcattt  | ttgcaacgta  | tcctgtcatt  | gcccagatac  | ccggttccaa  | 1920120 |
| ccagttgttc | aacaccgtgt  | tcttcatcac  | tctgctgtca  | ctcatcatac  | aaggatgac   | 1920180 |
| aatctcgaaa | atggcacgct  | ggctcaagct  | ggacttaccg  | gaagaaaaag  | aaggaaatga  | 1920240 |
| attcgggtga | gaacttccag  | aagagatcga  | tacgcacctg  | aacgacatca  | cactaaccga  | 1920300 |
| agatatgctg | actgtcggaa  | accgactggc  | agatatgaac  | attcccaaag  | gaacactggt  | 1920360 |
| catgctcatt | aagcgcggaa  | acgagtttat  | tattccgaac  | ggacagattg  | aactgcacgc  | 1920420 |
| cggcgacaaa | ctgctgggta  | tgtcagagaa  | gaaataaaag  | taaggttttc  | agcactttgt  | 1920480 |
| ttccatttat | ttattaaatt  | tgggatacaa  | cttttaaatct | caaactttat  | ggaaacatat  | 1920540 |
| cttttctggg | taatcccat   | cgcactctgtc | gtggcactca  | ttttcgccgg  | tcttttttac  | 1920600 |
| agacagatga | tgcgggaaag  | cgaagggacc  | cctgaaatgc  | aaaaaatagc  | agcacatgta  | 1920660 |
| cgcaggggtg | ccatgtcgta  | tttaaaacag  | caatacaaaa  | ttgtcacatt  | agtattttatc | 1920720 |
| gggctcgta  | ttctgtttgc  | catcatggca  | tacggattca  | acttgcaaaa  | ccattgggtt  | 1920780 |
| ccggttgctt | tccttacagg  | aggtttcttt  | tccggattat  | ccggctacct  | aggaatgaaa  | 1920840 |
| actgccacct | atgcttctgc  | acgaacggcc  | aacgccgccc  | gccattcact  | gaacgggtgga | 1920900 |
| ttacggattg | ctttccgaag  | cgggtgctgtc | atgggactgg  | tcgttggtgg  | cttggggctg  | 1920960 |
| ttcgatattt | ctttctggta  | cctgctgctg  | gaacatttta  | ttcctgccga  | taccatgaac  | 1921020 |
| cctacagcca | aactatgcat  | tattacaacc  | accatgctga  | cctttgggat  | gggagcatcg  | 1921080 |
| acacaagctc | tatttgcccg  | cgtaggagga  | ggtatctata  | cgaaagctgc  | ggatgtggga  | 1921140 |
| gctgatctgg | taggaaaggt  | agaagccggg  | attcctgaag  | acgatcctcg  | caatccggca  | 1921200 |
| acaatagccg | acaatgtagg  | cgataacgtg  | ggtgatgtcg  | caggaaatggg | agccgactta  | 1921260 |

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|            |             |            |             |             |             |         |
|------------|-------------|------------|-------------|-------------|-------------|---------|
| tacgagtcgt | attgtggttc  | cattctggcc | acggccgcat  | tgggagcggc  | tgcctttatc  | 1921320 |
| ggaaccggcg | ataccgtcat  | gcagttcaag | gccgtcattg  | caccgatgct  | gattgcagcc  | 1921380 |
| ataggaatca | ttctctccat  | tatcggcata | tttgctgtcc  | gcaccaagga  | aaatgcaagt  | 1921440 |
| atgaaagatt | tgctcaaggc  | tctctccacc | ggtacgacat  | tgagttctgt  | cctcatcata  | 1921500 |
| gcaggcacct | tcttgatatt  | atgggtactc | aatattacca  | actgggtcaa  | tattgctttt  | 1921560 |
| tctgtggtag | taggacttgt  | tggtggaatc | atcatcggac  | aatctaccga  | atattatacc  | 1921620 |
| tctcaatcgt | acaagccgac  | tcagaaactt | tcggaaagtg  | gcaaaaccgg  | tccggcaacc  | 1921680 |
| gtcatcatat | caggaatagg  | cttaggcatt | atctctacca  | ccattcccgt  | cattgctgtt  | 1921740 |
| gtagccggta | tcatcctctc  | ctactggctg | gcctcaggat  | tcgatttttag | caatatcagc  | 1921800 |
| atgggattgt | acggcatcgg  | tattgctgcc | gtcggaaatg  | tttccacctt  | aggtattacg  | 1921860 |
| ctggcaaccg | acgcttacgg  | cccgatagcc | gacaacgctg  | gaggaaatgc  | cgagatgagt  | 1921920 |
| ggtctgggaa | aggacgtacg  | ccatcgcacc | gatgcactcg  | attcattagg  | aaatactaca  | 1921980 |
| gccgccacag | gaaaaggatt  | tgccatcggc | tcggctgtct  | taacgggact  | tgccttattg  | 1922040 |
| gcctcataca | ttgaagaaat  | acgtattgga | ctggaacgta  | ttggcacaac  | taccctcgaa  | 1922100 |
| ctgccgggtg | gaaactctac  | aaccatcggg | agtgaagttt  | tcaccgactt  | tatgatgtat  | 1922160 |
| tacgatgtaa | ccttgatgaa  | ccccaaagtt | ctctcgggaa  | tgttcatagg  | tagcatgatg  | 1922220 |
| gctttcctgt | tttgtggtct  | gaccatgaat | gcagtaggac  | gtgccgctgc  | cagcatggta  | 1922280 |
| gaagaagtcc | gtcggcagtt  | ccgtgagata | aaaggtatac  | tggaaggaaa  | agctgaaccc  | 1922340 |
| gactatgccc | gttgtgtaca  | gatttcacc  | cgaggggcac  | aacgtgaaat  | ggtattcccc  | 1922400 |
| tccttacttg | ccatcatcgc  | tcccgtcata | acaggattgc  | ttttcgggtg  | tccgggggtg  | 1922460 |
| ataggcctgc | tggtaggcgg  | actggcatcc | ggtttcgtac  | ttgctatttt  | catggcaaat  | 1922520 |
| gcaggaggag | catgggataa  | tgcaagaaa  | tatgtagaag  | aaggaaactt  | tggcggtaag  | 1922580 |
| ggaagtgaag | tacaccatgc  | cacggtagta | ggtgataccg  | taggcgatcc  | gtttaaagat  | 1922640 |
| acctccggtc | ctagcctaaa  | tatcctcatc | aaactcatga  | gcattggtgc  | tattgtcatg  | 1922700 |
| gcaggctcga | ccgtttcgtg  | gagtcctttc | tgacaaaagt  | tacctgataa  | agaaatttta  | 1922760 |
| taccctgaat | agcccttcac  | gcccttcaca | ttcttcataa  | aataaagatg  | gataaggcat  | 1922820 |
| gaagggttgt | tattagtttc  | ttttaaaact | gtttcttttg  | caaataaaga  | agtcaaatgc  | 1922880 |
| tttgaatgca | aataaaaatta | aactaccttt | gcagcttcaa  | atcactaaaa  | attattttta  | 1922940 |
| atgaagaagc | ttttattaat  | tagcgcagcg | acgctaactg  | tttcaacttc  | aacttttgca  | 1923000 |
| ggagattatt | taacgaatac  | caatcagcat | gctgctttct  | tacgcatggc  | agcgcgagg   | 1923060 |
| gcttcgattg | acgtagacgg  | agtatatagc | aatccggccg  | gactggcttt  | cttacctaag  | 1923120 |
| aacggatttc | atttatcact  | taccggacaa | agtgccctatc | agacacgtga  | gatagctgct  | 1923180 |
| acctccggac | tgtggacatt  | agatggacag | gaaacaacac  | aaaactataa  | gggaacagcc  | 1923240 |
| tcggcacctt | ttattccttc  | tttccatggg | gtgtacaaag  | aggacaaatg  | ggctattttcg | 1923300 |
| gccagctttg | ccgtaacggg  | tggcggagga | aaagcctctt  | tcgacaatgg  | actgcctatg  | 1923360 |
| ttcaatgcmc | tggctatcgg  | catgctgtac | caacagcaaa  | ttacaccgga  | caaatataca  | 1923420 |
| atcaatacgg | ctatggatgg  | caaacaatac | atctacgggtg | tacagttagg  | cttaagttac  | 1923480 |
| cgaatcaatg | actggctcgg  | tgtttttgca | ggggggcgta  | tgaactatgt  | gaaaagcgga  | 1923540 |
| tacgaagggt | acctgaccgc  | aacctttaaa | aaggacattc  | ctcaaatggg  | aggtatggat  | 1923600 |
| attgccaatc | tggccttaga  | ctgcgaccaa | agcggatggg  | gtattacacc  | tattatcggg  | 1923660 |
| atagatgcta | aactcggaaa  | gtggaatttc | ggagctaaat  | atgaatttat  | cacaaactta  | 1923720 |
| aacattgaaa | accagactca  | taagctggaa | gcgcccgaag  | ctgttcgggc  | tgagatatta  | 1923780 |
| aagccctatg | ccaacggaga  | gcaaactccc | agtgcatac   | ctgccatgtt  | gagcgtagcg  | 1923840 |
| gccggatatg | aaatactacc  | gaacttgctg | gcttctgtag  | aatatcactt  | ctttgatgac  | 1923900 |
| aaacatgccg | gtatgctgaa  | cgaccgccag | aaaacactga  | cacatggaac  | acatgaatac  | 1923960 |
| ctggctggtc | tggaatggga  | tatcatcaag | gaactaacca  | taagtggagg  | tttccagaag  | 1924020 |
| acaagctacg | gacttagcga  | tgattttcag | acagacacca  | gcttttactg  | tagttcctac  | 1924080 |
| tcgttgggat | tcggtgcacg  | catcaatttc | aatgcggcat  | ggagcatcga  | tgttgcgtac  | 1924140 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ttctggacca  | attacgacga  | ctatgccaa   | acgctggcaa  | gctataacag  | taccagcatg  | 1924200 |
| aaaggaacag  | acgtatacag  | ccgtaccaac  | aaagtattcg  | gattgagtct  | gaactataat  | 1924260 |
| ttctaatacg  | atagctagga  | tatatcattt  | tgtacataaa  | tccaataactt | cggtaaattt  | 1924320 |
| ttaccgataa  | attaaaatta  | aacatagaat  | cggcataatc  | cggttcaaaa  | ttatattcaa  | 1924380 |
| gagatcattg  | aaatactgtc  | aagaataaat  | cgtcaaggag  | taagaaaagg  | gatgaaaaag  | 1924440 |
| atatgctaaa  | cagctgaaaa  | tcaacagaaa  | aagtatttca  | taattcactg  | atTTTTtagta | 1924500 |
| aattagaagt  | acttcaccac  | ttttaattat  | gactaaagaa  | tcactcctta  | tgcaatacca  | 1924560 |
| atccgagtg   | agaaacgctc  | tcgaatcagc  | tgtaaataata | agcaaattctt | ttcagaaaagt | 1924620 |
| attcatggat  | gcaatgaaat  | tattcatggc  | tatacctgac  | cgcatacaatt | tcctacaaat  | 1924680 |
| gggacgggat  | ggatgtttct  | cggaaacagac | ataccgcaac  | aatttttgaga | acgacggcctt | 1924740 |
| tgactgggtt  | tccttcaatg  | aagccatcat  | cagggaacac  | cttaaagggtg | gtcgaagggc  | 1924800 |
| gatagccgtt  | gatccgtctt  | tcattccaaa  | atcaggcagc  | aaaacgccgt  | ggattggcta  | 1924860 |
| tttctgggtc  | ggttgtgccg  | gtgaatacaa  | acgtggactg  | gaaataaccg  | gtattggagt  | 1924920 |
| tatagacgtt  | gacaaccatg  | aatgtatgac  | tttgggtctt  | gtacagacac  | ctgacaacgc  | 1924980 |
| aacgctggaa  | agctgtgaga  | agaatcttgt  | tgactggtac  | agctcttacc  | ttatcagcat  | 1925040 |
| acaggaacag  | ctgaaacgta  | tttctggcac  | agtcgtgtgt  | gatgcgttct  | tttcaaaggc  | 1925100 |
| aactttcatc  | aaaccattgt  | acgataacgg  | tttccacgta  | ataagccggt  | tcaggaatga  | 1925160 |
| tgccgtattg  | ttttatccca  | ccttagaaaa  | taggacagga  | aaacgcggac  | gtccaaaatt  | 1925220 |
| acatgacgag  | aaaattgact  | ttgaaaatct  | ggacatcaca  | agatgtaccg  | agtacaaagt  | 1925280 |
| gaacaagggg  | aaactttacg  | gactgaaagc  | atactccaaa  | gcactcaaac  | gctttgtgag  | 1925340 |
| cctggctgta  | tggtacccca  | tggtatggaag | aacggacaaa  | tggcagctgt  | atTTTctctac | 1925400 |
| aaacgaaata  | cagaacgcac  | aggatgtcct  | ggacttttac  | agaacacggt  | tccaactcga  | 1925460 |
| attctgcttt  | cgggatgcc   | agcaacatgc  | cggaaatagca | aactgtcagt  | ctacagactt  | 1925520 |
| caggaaaactg | gcattccact  | ttaatgcatc  | acttgacgag  | ataaacctcg  | ccaaggctgc  | 1925580 |
| ctgtaagaag  | atgggaataa  | aatattccat  | atcatcatgc  | aagtcagtca  | tacacaatgc  | 1925640 |
| ttacatgctt  | gaacgattta  | tttgctgtgc  | tggtattgaa  | ccaaacacgc  | aattaattga  | 1925700 |
| caaacttttc  | aaagaactca  | ttttattttac | tgccagagcc  | gcttaggctg  | ggctaatttt  | 1925760 |
| taacgaacta  | ttgtaaattct | gtagctgcat  | taaatattcc  | atTTTggatat | tttatataaa  | 1925820 |
| ataacatata  | cagacaaaat  | aatctccaca  | tttttacagc  | agtcacattt  | ttttcttaac  | 1925880 |
| tttgctgctgc | aactcaaagc  | aagattacaa  | acaactttta  | acaaaaatat  | tgagattatg  | 1925940 |
| atgactattg  | acaaattcaa  | cTTTgccgga  | aaaaaggcaa  | tcgttcgcgt  | tgacttcaac  | 1926000 |
| gtacctttga  | acgaagaagg  | taaaattact  | gacgatactc  | gtatccgtgg  | tgctctgcct  | 1926060 |
| actctgaaga  | aaatcttggc  | agacggtggt  | gctttgatta  | tcatgtcaca  | catgggtaag  | 1926120 |
| ccaaaaggta  | aagtaaagc   | taaatattct  | ttgagccaga  | ttgtagacgc  | tggtgctgct  | 1926180 |
| gctctgggta  | ctcctgttaa  | attcgtccca  | gactgtgcaa  | aagctcagga  | cgctgctgct  | 1926240 |
| gcattgaaac  | cgggtgaagt  | attgttgctc  | gaaaaccttc  | gtttctatcc  | tgaagaagaa  | 1926300 |
| ggcaaacctg  | taggtatcga  | aaaagaagat  | cctgcatacg  | aagatgctaa  | gaaagaaatg  | 1926360 |
| aaagctcgtc  | agaaagaatt  | tgctaaaact  | ttggcttctt  | acgcagactg  | ctatgtaatg  | 1926420 |
| gatgctttcg  | gtactgtc    | ccgtaa      | gcttctacag  | ctgttatcgc  | tgattacttc  | 1926480 |
| gatgcagacc  | acaagatgtt  | gggttacctg  | atggaaaaag  | aagtaaaagc  | tgtagacaac  | 1926540 |
| gttttgaaag  | atatcaaagc  | tccgttcaact | gctatcatgg  | gtggttctaa  | agtttctact  | 1926600 |
| aagatcggt   | tcacgaaaa   | cttgatggac  | aaagtagaca  | acctgattct  | ttgtgggtgg  | 1926660 |
| atggcattta  | catttgctaa  | agctcagggt  | ggtcacatcg  | gtaactcatt  | ggtagaagat  | 1926720 |
| gacaaactgg  | atctggctct  | ggatatcatc  | gctaaagcta  | aagctaaggg  | tgTTaacttg  | 1926780 |
| gttttggtt   | gcgactgtat  | tgctgctgat  | aaatttgcaa  | acgatgccaa  | tactcagggt  | 1926840 |
| tgcgacgaca  | agaatattcc  | tgacggatgg  | atgggattgg  | atgcagggtcc | taagactcgc  | 1926900 |
| gaagaattca  | aacaagcaat  | caagggtgct  | aagactatcc  | tgtggaacgg  | tcctgccggt  | 1926960 |
| gtattcgaat  | tcgacaactt  | cgctggtggt  | tctaaggcaa  | tcgctgaagc  | tatagcagaa  | 1927020 |

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|            |             |             |            |             |            |         |
|------------|-------------|-------------|------------|-------------|------------|---------|
| gcaactaaag | aaggtgcctt  | ctcactgatt  | ggtggtggtg | actctgtagc  | ttgtatcaac | 1927080 |
| aagttcggta | tggctgatca  | ggtttcttac  | atctctactg | gtggtggtgc  | tttgctggaa | 1927140 |
| gctatcgaag | gaaaagttct  | tccgggtatt  | gctgctatcc | gtggcgacaa  | ataatctagg | 1927200 |
| ctaaaattcc | tacattataa  | gagtttatac  | aaggctgttt | caaagacaaa  | aaatttgaaa | 1927260 |
| cagccttttt | tatttttttag | acactgtttt  | atcctgcttt | attcccccta  | gtcttacggt | 1927320 |
| aagccaaggt | atttctcctg  | ttaccttcta  | ctccggtaca | tacaagaaca  | ccgctatttc | 1927380 |
| ccaaagcaga | agtcactcct  | tcacgtgcat  | tctaaagagc | tttttaggct  | ttctcttgaa | 1927440 |
| ttcatttcat | ggataactgt  | tcctccttac  | atgtatatcc | taaaaggatt  | atccatctaa | 1927500 |
| attgcggtta | tctgtgcaac  | atgaacctat  | ctcctcttaa | aggtaaactg  | ataaaaataa | 1927560 |
| tgcagctatt | aaaccataatc | tccctaataa  | gacaaattag | cgctgcatga  | ggcagaggaa | 1927620 |
| aaaacaagaa | ctccttctat  | acctgccctc  | acgcagcata | taaaaggagt  | tcttaaatat | 1927680 |
| taatagtaaa | aatcaaacct  | tatcccagga  | atgagatcag | cacaccggct  | gcgacagccg | 1927740 |
| aaccgataac | acccgaaata  | ttacttgcca  | tacaatactg | aagcacatgg  | ttcttcggat | 1927800 |
| cgtacttcag | ggcaatttca  | tttgccacac  | gacttgccat | aggcacagca  | ctcagtccgg | 1927860 |
| tagcaccaat | cagcggatta  | atcttcttct  | tggtaaagag | attgacaacc  | tttacaacaa | 1927920 |
| agataccgcc | tgatatagac  | aatgcaaaag  | caaggaaacc | accaattacg  | ataccgatgg | 1927980 |
| tagtccagtt | caggaacgca  | tctgtcgtca  | tggttgacc  | taccgaaata  | cccaggaaaa | 1928040 |
| tcgttgctgc | attcatgata  | ctattggaag  | cagcatcgaa | caaacgggat  | gtattggtac | 1928100 |
| cgatttcctt | taccaggtta  | ccgaacatca  | gcataccgat | caaaggtaca  | gcactcggaa | 1928160 |
| caaacaaagc | tacaatagtt  | gtaactacga  | tagggaacaa | gatcttcaga  | acacgcaagt | 1928220 |
| tcttgatttc | tgtcttcgaa  | ggatatttct  | tctcctgttc | cttcataattg | atggaaagtt | 1928280 |
| ccttcttggt | acaccagata  | cgaactacca  | gcggaatgat | aaccggaacc  | agcgccatgt | 1928340 |
| acgaataagc | cgcaatagcg  | ataggacca   | gcaagtgagg | agccagcttg  | atcgtagtaa | 1928400 |
| agatggcagt | cggaccgtcg  | gcaccaccga  | tgataccag  | tgaagcagct  | tctttcggag | 1928460 |
| tgaagcccat | cagaatggca  | accagcaaca  | cggcaaagat | acccaactgt  | gcagccgcac | 1928520 |
| caaatataga | aagacgaagg  | ttacgcaaca  | tcggaccaaa | gtcgggtcaac | gcacctacac | 1928580 |
| ccataaagat | gataggagga  | aggaatcccg  | tcttgattaa | catataatag  | atgaagttca | 1928640 |
| tcaagcccag | gtcgtgagca  | atttcatgca  | acggcatttc | ccagatgttc  | ttcatcactc | 1928700 |
| cattcaccat | caccatgcc   | ttttcatcgg  | cctgaatcac | tcccatatcg  | ccaccgggga | 1928760 |
| agttggcaag | caataccccc  | aaagctatcg  | gtaccagcaa | cagcgggttc  | tactgtttct | 1928820 |
| tgataccag  | ataaaggagt  | ataaaggcaa  | tggcatacat | gatgagaaac  | cgcggttcgg | 1928880 |
| caactatgtt | gctgaacgca  | gtcatatcat  | ataatcttgc | aaatatatct  | tccattataa | 1928940 |
| tatcttcatt | aatacatcat  | cttctgatac  | agcatcacc  | gaattagcac  | aaatagcagt | 1929000 |
| gatcgttccg | ctaaactcgg  | cacgtattgc  | attgtacgtc | ttcatggctt  | ccacataaca | 1929060 |
| aataacatca | ccctgattaa  | ccttgcgcc   | caccttcaac | ggagtttctt  | gagcgttctt | 1929120 |
| ggtcaggaag | aacttacctt  | ccagcgggtga | aaggacttcc | ttgccttcgc  | ctgccggagc | 1929180 |
| cgcagctgcc | tgtccgtcgg  | aaacaccagc  | ctgagcacca | tgcaagggtg  | ccgatttgac | 1929240 |
| atcgccaaag | gctactgtca  | cacgatacgg  | ctgtccgttg | acgtcgaccg  | tcaggatctt | 1929300 |
| ggtctgatcg | tttgccatgt  | gtacttcttc  | cttggctgca | cgacgtttct  | ttacgtcttc | 1929360 |
| caagaaatca | gcttttgctt  | tgccactctt  | gtaagcttca | tattgagccg  | ggtgcatagc | 1929420 |
| atactcgaac | aattcttcgt  | cgtcctgtcc  | ggtatcccat | ttcttttccc  | acatcatctg | 1929480 |
| acggtatttc | tccagctgat  | ccggataatt  | atcctgcggg | ttgccggtaa  | agaacttacg | 1929540 |
| accttcgcgt | tcggcctttt  | caacaatttc  | aggagccagc | ttgccaggca  | actgtcctgc | 1929600 |
| cttaccacga | atcatatccc  | agatatcatc  | ggcaatcata | ccccagcggt  | ccttaccttt | 1929660 |
| ctccatctgg | ataacattca  | tcatggcaag  | gttctttaca | tactggctga  | acggagtaac | 1929720 |
| caagcacgga | taaccgacac  | gtggccatac  | gtaagaaact | tcgttgaaca  | gcttgatgag | 1929780 |
| caattcatcc | tgtgtcatga  | acggcaagtt  | acgttttgcc | ttatacttat  | tgatagactc | 1929840 |
| caagttggtt | tccagatcgg  | ccatcaagct  | acccatcata | ccaccgggca  | gtcccggacc | 1929900 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| aatcagcaag  | gaattcatca | gacggttacg  | cggactgatg  | tacaatccca  | ggaaatcatc  | 1929960 |
| cataaattcc  | tgaataagtg | aacgcacctt  | catgtaagca  | tgcataattga | tttcaggaac  | 1930020 |
| cttgaaccg   | gcacccctca | gcattgcctg  | cacactgatg  | acatcggcat  | gtcctgtacc  | 1930080 |
| ccatgacaga  | ggttccatac | caacatctac  | ataatcgcaa  | ccagccctac  | atacttccag  | 1930140 |
| aatagaagcc  | atgttgaagc | ccggtccggc  | atgagagtga  | tactgaatgg  | tgatgtcttt  | 1930200 |
| cttaattctgc | ttgataccgg | ctacgatttt  | gcctaaaaaa  | accggacgtc  | cgataacctgc | 1930260 |
| catatcttta  | atacagattt | cgtcacatcc  | ggcttcaatc  | agtttcttag  | ccatatccag  | 1930320 |
| gtagtattct  | accgtatgta | ctggtagta   | ggtgatacac  | aagcaacatt  | gtgaaatcat  | 1930380 |
| tccggcatcg  | tgtgcatagc | cgatagaagg  | aataatattg  | cgaacatcat  | tcagtccaca  | 1930440 |
| gaatgtacga  | gtgatatccg | taccctgtgc  | cttctttact  | ttgtaaaaca  | atttacgtac  | 1930500 |
| gtcggcagg   | accggactca | ttcgaaacc   | gttcaacgca  | cggtcgagca  | tgtgtgtctg  | 1930560 |
| aattcctgct  | tcgtggaacg | gtttcgtcca  | ctcacgtaca  | gctttatttg  | ggttttctcc  | 1930620 |
| aaaaagcagg  | ttaacttggt | caaaaccgcc  | cccatttggt  | tcaacacgag  | cgaaacaccc  | 1930680 |
| catttcgata  | atggccgggg | ccacctttac  | caactggtct  | acgcgaggca  | catattttcc  | 1930740 |
| tgcgctctgc  | cacatatcac | gaaagaccag  | actaaatttt  | acttcttttt  | ccattgtgca  | 1930800 |
| agtaatgtgt  | ttttcttaaa | acagaatcat  | ttcaattttt  | caatctttat  | cacctgacct  | 1930860 |
| ttaccggcag  | tcaagatatc | cacagcagct  | ttgatagcat  | ccattgctcc  | agcatccgta  | 1930920 |
| gaagggtccg  | ttgagacagg | ctttttcttc  | ggagcttctt  | caggagctat  | tttattcact  | 1930980 |
| acagaaatga  | gaaactgact | tagccagata  | acaatcagaa  | gaatcaagaa  | gacggtacac  | 1931040 |
| attccgacga  | ccatcaacaa | taatcctatt  | ccgatgttct  | ccataataat  | attttaatta  | 1931100 |
| agttataata  | taaaaacact | ctccagaata  | cgaaattcta  | aagagtgtct  | caaaattaca  | 1931160 |
| gattcaaatt  | acaattcgta | aatatcccct  | attaaataat  | gtaaatttat  | cagaataaaa  | 1931220 |
| tatcctgaag  | aggtttacga | gtcttctccg  | gaatgttttg  | ggaatcggca  | taaccagcg   | 1931280 |
| gaatcaaagc  | tatcggttcc | caattttcgg  | ataatcccag  | tatttccctg  | caacggggaa  | 1931340 |
| catcgaagtt  | gcataccag  | catgaaccga  | gtccctgctc  | tgtcgcagcc  | agacacagg   | 1931400 |
| gttctactgc  | aatagctaca | tctacatcgg  | tatgatcctt  | atcatccagt  | ttgcggtgcc  | 1931460 |
| atgccgcac   | gtggttaccg | cacgctacaa  | tgatacaagg  | taccgtcttg  | atccactcgc  | 1931520 |
| gaggataagt  | cgatttcaca | gcataccagca | ggttcttctc  | ggtcacaacc  | gcaaacttcc  | 1931580 |
| acggctggaa  | gttcaactgc | gacggtgcca  | gacgcacaca  | ttccaatata  | taatccagtt  | 1931640 |
| tactttgttc  | tatcgggcgc | tctacatagc  | ttctcaccga  | atgacgtgct  | tttaccaatt  | 1931700 |
| ccagaaaatt  | catctttcca | actattttta  | gtattactat  | cagcaaagg   | acagaaagtt  | 1931760 |
| cttcccatag  | aaaaacatcc | gcttcccttt  | ttgtccattc  | ctcatctgca  | aacaaccgtc  | 1931820 |
| gtgccgtgac  | gcataccgta | gaacctgacc  | aaaaactcca  | gtcccacaat  | gttgatggaa  | 1931880 |
| cgtaccgggt  | catactgccg | gcagtaaaag  | acgtcacacg  | aacatttccg  | tgaaattctg  | 1931940 |
| acgtttattc  | ccggacggta | acgcatgcgc  | gctatactga  | aaaaggcctc  | ccctcctatc  | 1932000 |
| ggctggtaaa  | gttctgcaga | gaaataagga  | tgagcgtcc   | acgatgtcgg  | cacatactcg  | 1932060 |
| gctttgatac  | gcgaacggag | cctgctctcc  | gcctcccctt  | cggagatgg   | ctgctggaaa  | 1932120 |
| tactcacgca  | agggaaactt | aaagttacca  | cccttcacac  | ttgcctgagg  | tcctatcagg  | 1932180 |
| taacgatgcc  | tgaatttcca | tccgtcactg  | cctctgttcc  | ggtagtgag   | ttcgtatatt  | 1932240 |
| cccgaataat  | tcaagaagga | cagtacatcg  | caggaagctc  | ccagattcaa  | gctcacacga  | 1932300 |
| tcggcttttc  | tcaaatgatc | cttcgaacgg  | aactcgggtg  | ccgcagaaag  | gctccaccga  | 1932360 |
| ggagcaactt  | tatgactaac | tttcacgcca  | gtccatgtag  | caaaatcctc  | cgattgggca  | 1932420 |
| tatactctac  | gtacgggcaa | taacatcagt  | atcaccaaaa  | agaaaccccc  | aaagggtattt | 1932480 |
| tgtaacttgt  | tcttcatacc | agttgtctat  | caagggttaac | tcaggatcaa  | caaaactttc  | 1932540 |
| tttttctatc  | atccaccggt | ttggctacat  | ccagatgggt  | agtcagcctc  | taaattacta  | 1932600 |
| tttttactcc  | acccgaacaa | ataaaatgcc  | tacactctga  | aaaagtctcg  | tccttccttt  | 1932660 |
| ggcaactctc  | cggcaaagcc | tttggaatat  | ttgtacaaat  | tctaaaatct  | tttgtacaaa  | 1932720 |
| tttcaaaaaa  | aacgtcccga | cgttttttct  | ggtttccgcc  | cacgttttca  | ttcatttctg  | 1932780 |

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| cccggaatg  | aatccagcct | cctcatacag | ccggcaaaca | agcgcttttt | ccttctaaaa  | 1932840 |
| ggacattatt | cactcattta | ttatatcttt | gcacgaccaa | aaacaagaaa | tgaaatgatg  | 1932900 |
| aagaaactag | ctattttcga | cctcgacgga | acgttgctca | acacgatagc | cgacctcgca  | 1932960 |
| ggagccacca | actacgcgtt | acgcgaatgt | ggatacccca | cacacgatac | agatgcctac  | 1933020 |
| cgctactttg | taggaaacgg | tatcaacaag | ctttttgaac | gtgccctgcc | ggaaagtga   | 1933080 |
| cgcagtgaag | ccaacgtcca | gaaaatacgt | tccctgtttg | ttccttatta | taacgtacac  | 1933140 |
| aacgctgacc | ttagccgtcc | ctatccgggt | atcgtcaacg | tgctggatac | gttacagcaa  | 1933200 |
| agaggcatga | tgctggctgt | tgcttccaac | aagtatcagg | aggcgacct  | caaactgatc  | 1933260 |
| aagcaatatt | ttccggaaat | agactttgtg | cagatattcg | gacagcgaga | aggagtacct  | 1933320 |
| gccaaacccg | atccgactgt | ggtattcgag | attattgaaa | agactggggg | aaagaaagaa  | 1933380 |
| gaagtgggtt | atctgggaga | ttcatgtgta | gacatgcaaa | ccggaataaa | tgccggtgtg  | 1933440 |
| acaaccatag | gagtaagctg | gggattccgt | ccacgtacgg | aactggaggc | ttatcatccc  | 1933500 |
| gacttcatag | ccgaccgcac | cgaagatatt | ctgaaatttt | tgaccgcata | aaaaaaaaagc | 1933560 |
| gccacaggtc | ttgtacgttt | ccaccaagc  | ggaacctgaa | taacctgtgg | cgcattaaaa  | 1933620 |
| aactttatca | gatagaaagc | tcacgagca  | cttttatcaa | cgacttatcc | aacggcttgt  | 1933680 |
| ctttcttgat | agcttccgtg | aacggaacat | atacaatctt | gtcattgcgg | ataccaatca  | 1933740 |
| tcacgttacg | ctggtcttcc | ttcaatgctt | cgatagctcc | cacgcccaga | cggcttgcca  | 1933800 |
| gaatacggtc | gtaagcactt | ggagaaccac | ctcgtgcaa  | atgtcctaag | atggttacac  | 1933860 |
| gtacatcgta | ctgcggatac | tcgttcttca | cgcgttcagc | ataatacata | gcaccgccat  | 1933920 |
| ttttcggagc | ttccgataca | attacgatac | tactgttctt | cgacttacgg | aaaccacggc  | 1933980 |
| cgataaactt | ctcaagctgg | tcgacatctg | tctggtcttc | ggggataatg | gcagcttccg  | 1934040 |
| cacccgaagc | aatcgcactg | ttctgtgcca | ggaaaccggc | atcacgtccc | ataacttcca  | 1934100 |
| caaagaaaat | acggtcgtgc | gaagtagccg | tatcacgaat | cttatccaca | cactccacaa  | 1934160 |
| ttgtatttag | tgctgtatca | tatccgatag | tagaatcggt | gccgtacaag | tcgttgctga  | 1934220 |
| tggttcccgg | caaaccgata | cacggtacat | catattcatt | ggcaaatata | cgtgctccgg  | 1934280 |
| tcagtgaacc | gtttccacca | atgataacca | aggcgtcgat | acctgcggct | accatattgt  | 1934340 |
| catacgcaac | cttacgtcct | tcgggagtc  | taaagtcctt | tgaacgtgcc | gttttcaaga  | 1934400 |
| tagtacctcc | tcgctgaata | atactactta | catcctgcgt | cgtgagctcc | ttaatctcat  | 1934460 |
| tccgaatcaa | accttcatac | cctctgtaga | tgccctttac | cgtataaccg | ttgcaaatag  | 1934520 |
| cactacgtgt | cacagcacga | attgctgcat | tcattcctga | cgcatacact | cctgatgtca  | 1934580 |
| ggataccaat | acacttaatc | tgtttcataa | agttcgcttc | ttgaatttta | caattcataa  | 1934640 |
| ataccataaa | acggtacccc | aaaagtagaa | catttccaga | aaacaaaata | atctgcacgt  | 1934700 |
| ataaatatat | ctaaaaaagc | ccgattggca | ataaacggaa | cacagcattt | acaacagAAC  | 1934760 |
| cttttcttgt | gtaaaccaga | gattgctaaa | cttgcagact | gctttcaagg | tattattcgc  | 1934820 |
| agtagcctga | acgtatggca | gcagattgtg | ggacgaaaag | actcaaaaca | atcttaatcg  | 1934880 |
| gccgacagct | tgacagcttt | cgtaacgtgc | aatacacctg | cgtattcggc | agcgaatcct  | 1934940 |
| tcgtccgact | ttcccatatc | ctttacttcc | agcacggcat | gcacgggtgt | accatttttc  | 1935000 |
| tgtcccttgg | tcagttcatc | gtactgtttt | tcaagctcac | cgcttttgtc | tatcacccaa  | 1935060 |
| tagtcggctg | tatctccgtc | ggcaacgaac | gaatagacct | catgaccgat | tatgagccgt  | 1935120 |
| ccttccactc | gcttcgtctg | catttccgaa | acgttttgcc | ggccctgctc | tacgaggctt  | 1935180 |
| tccgttgtcc | tagaataagt | atatgacacc | ccttctctct | caaggggtta | ggtctgttcc  | 1935240 |
| gacaaacttt | ttatctgtag | cgtatcagaa | aaaggtacgg | tctgatgatt | gcctatgctt  | 1935300 |
| ctgcccgaaa | gaataagcat | ccctttttcc | tctttccacg | attcatattg | aagcgtagcc  | 1935360 |
| atattgatgg | aagacgcctt | acctccggga | gcaagcacia | atccctgctg | catttcttcc  | 1935420 |
| atgcccgga  | caggctctac | ccatgcacct | tctatattta | ctccgttgca | agccgacagc  | 1935480 |
| aggcacaagc | ttcctaacat | cattgcgttt | actttgacag | tattcttcat | aacattctta  | 1935540 |
| ttatttagat | cagaaaatga | ataaaaatgc | aagatattaa | gaattaatga | aagtcacaac  | 1935600 |
| aacgagccgg | acaatgaata | caagcaggca | gattattgaa | taaatttaac | tttttctcgt  | 1935660 |

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| gcaggatttta | taacaatcag  | ccattttaaag | agtaaaaaag  | aaaacttttaa | tattcaacta  | 1935720 |
| aagcaaaaata | atcatgaaaa  | ctcttttttc  | tttccgcaaa  | ggattgatga  | tagcagcagc  | 1935780 |
| tataaccagt  | attatcggat  | tacagtcgtg  | tttggacgat  | gacgacaaca  | attactatca  | 1935840 |
| attaaatgtt  | cccaacgcac  | tggttacagt  | aaaaaccgat  | acggacaata  | cattctatct  | 1935900 |
| gcaactggat  | gacagtacca  | cgttactacc  | ggtaaattat  | agctcatctc  | ccttcggaga  | 1935960 |
| taaggaggta  | cgtgctatag  | ccaacatcga  | agaagtaaag  | gaaccgagtg  | gagcgtatac  | 1936020 |
| aaaagctgta  | caaatcaact  | ggatagacag  | catcctgacc  | aaaccgatag  | ctcctgatct  | 1936080 |
| gggcgaagaa  | aacgaccaga  | catatggtac  | cgatccggta  | gaaattgtta  | acgactgggt  | 1936140 |
| aaacattgct  | gaagacggat  | acttgacctt  | acgttttcgt  | acggtgtggg  | gaaactcgct  | 1936200 |
| acaggcacac  | tatgtcaatc  | tgctgaaaag  | taacaatccg  | gaaaatccgt  | acgaagtggg  | 1936260 |
| attcagacac  | aatgcatttg  | gtgacacatc  | tggaagctat  | ggtgatgctc  | tggttgcat   | 1936320 |
| caagctggac  | ggactacccg  | atacagaagg  | taagacggct  | aagctgacct  | tgaatggca   | 1936380 |
| gtcattcagc  | ggcgaaaaat  | caacgacatt  | caactattgt  | acacgtaagt  | cgacggcttc  | 1936440 |
| acaagccccg  | gctatcacat  | cggtcagaag  | cagttatccg  | ctaaaatagc  | aagctcatta  | 1936500 |
| ttattttatat | agtctgaaac  | cgacagtaac  | gtcctggcaa  | catgttatcg  | attcaacatg  | 1936560 |
| tttgccggga  | ttttttgctg  | tcaaaggcaa  | aaagaatgcc  | ggatgtttcg  | gcaaaagcaa  | 1936620 |
| gaaacatccg  | gcataaatac  | taaccacat   | tagcgtgaag  | gaagtactcc  | taaacaatat  | 1936680 |
| aacgcataac  | aaattacaaa  | tattcgaact  | ctacagtatt  | gcgtacatcg  | gcagaagacg  | 1936740 |
| atgatacata  | agctttgaat  | ttaccgggct  | caaccacca   | ttgatgtttg  | ctgtcgtcga  | 1936800 |
| agaattgcaa  | gtcttcgggc  | ttgatggtga  | aagtaatttc  | tttttcctca  | cccggctgaa  | 1936860 |
| gttccacttt  | ctggaatccc  | ttcagttctt  | tcagcggacg  | aagcaaagaa  | catttttcat  | 1936920 |
| caccaatata  | caattgaacg  | gtttcctttc  | cagcaacagc  | tccggtattc  | ttgaccttca  | 1936980 |
| ccgataaccga | cagggtttct  | ccggccttca  | tctgcttagc  | cgacaggaca  | ggtttgctgt  | 1937040 |
| acttgtaagt  | agtgtaactc  | agtccatagc  | caaaggggaa  | gagcgggtta  | atcttcttgg  | 1937100 |
| tatcatacca  | gcgataacct  | accagaatat  | cttctttgta  | ttcctgcttg  | atgctgtcgc  | 1937160 |
| ccggatagct  | catttcgccca | tagaaatgtg  | ccggacaatc  | tttcaatttt  | gccggatatg  | 1937220 |
| agaaaggaag  | ttttccgctg  | gggtttacct  | ttccgggtcaa | gacatcggcc  | agtgcacgc   | 1937280 |
| cacctatcga  | gcccagatac  | cacgactgta  | caatggaagg  | tacttctttt  | accacgggca  | 1937340 |
| tttcgacagc  | attaccactt  | acgatgacgg  | ctaccagatt  | tttattggct  | ttcagcagct  | 1937400 |
| cttcaatcag  | ttcgtttctga | ccgaaaggca  | atccgaaagt  | cagacgggtca | cctccttcac  | 1937460 |
| agtccctgaaa | atgattttta  | ttcagtcctc  | cgataaagat  | aaccaaatcc  | gcctgcgccg  | 1937520 |
| cctttgctac  | agcatcattc  | cgcaatgagt  | ccattgtagc  | ctgaggaatc  | ttttcctcgc  | 1937580 |
| gtccatacat  | cggacgaccg  | gctgcatacc  | cttgtgcata  | cacaatgcgg  | tcgccaaaat  | 1937640 |
| atttcttcag  | tccgtccagc  | ggagagatca  | ccttctttac  | cttcagttcg  | gatgaacctc  | 1937700 |
| ctccctgcat  | cagggttgct  | gttgcatat   | ctcccacaac  | cagtactttt  | ttatagctat  | 1937760 |
| cgggagaaaag | aggcaataaa  | ggcattttct  | ttttctgcgc  | ctcgtttttc  | aaaagcacia  | 1937820 |
| taccttccgt  | tgccacccga  | taagcagcct  | gctcgtgagc  | ttcattttgtc | attgagccaa  | 1937880 |
| aagggtttctg | acggttcatc  | gaagtacgga  | aatcaatcg   | caatacgcgg  | gctgccttat  | 1937940 |
| cgttgaccac  | gtccattgga  | atttttcctt  | cctttaccat  | cttcaggtaa  | ttctttccca  | 1938000 |
| gataatagtc  | atcgtaacca  | aattcagatt  | ccgaagtcag  | accgttagta  | tatgaaccca  | 1938060 |
| tttcgatatc  | cagtccatac  | atagcagctt  | cgtacgtatc  | gtgctgcagct | cccagtcgg   | 1938120 |
| ttatcacgca  | tccgtcgaac  | ccccattcac  | ctttcagaat  | ttcattgttc  | aggagcttat  | 1938180 |
| gatgagcagc  | atgcatgccca | cgtaccttat  | tatatgctcc  | catgatactc  | cagacgccgc  | 1938240 |
| cacgctgcac  | agccgcctta  | aatgccggca  | gataaatctc  | gtacagcgca  | cggctgcgtaa | 1938300 |
| cctgcacatc  | aatatgtccg  | cgccagagtt  | cctgattatt  | caaggcataa  | tgtttcacgc  | 1938360 |
| aggcagcaac  | tccgtttttc  | tgtactccct  | gaatataagg  | tacacacatt  | tcggaagcca  | 1938420 |
| gataaggatc  | ctctcccata  | tattcaaagt  | tacggccatt  | gagaggcgta  | cgatagatgt  | 1938480 |
| tcacacccgg  | tcccaacagc  | acatccttct  | tacggtaacg  | ggcttcttcg  | ccgatagcct  | 1938540 |

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| aagccgtaca  | actgtcgctt | gtccatccgg | catatcccca | gtcgttccag  | ttgatttcgg  | 1938660 |
| cacgaactcc  | atgaggacca | tactcatcc  | atagttcagg | aattcccaga  | cgaggacagc  | 1938720 |
| ccggcgagct  | gaatttacct | tgagcataac | tcaatcgggt | cttttcctcc  | agagtcatac  | 1938780 |
| gcttcaaggc  | atcctgaact | ctcagttcca | gcggttgctt | gtcgtccaga  | taaactggaa  | 1938840 |
| tttctgctgc  | atcctgagcc | tttacaggag | caaagcagc  | cgtagcagt   | cctataatca  | 1938900 |
| aaaaggctct  | tttcataata | tctatatctt | agtttaaaca | aaatccaatt  | agtgtcattc  | 1938960 |
| tgaacaatc   | tctacaacgg | catcttccag | accttcggcc | acagccttca  | ggcgagcagc  | 1939020 |
| tccggccttt  | ccggcatttt | gcagaacaac | cagacacttg | ccattgaaag  | ccttacgttt  | 1939080 |
| attatccttg  | aaacgttcca | tcgaagtctg | acttccattg | tcaacacctg  | ctataaaaaag | 1939140 |
| attaccctct  | acttcaaaat | gtaccagatt | atccgcgaga | ggacacaaat  | taccttctgc  | 1939200 |
| atccacaatt  | tctaccgtta | caaaactcaa | gtcctttcca | tccgcattca  | acgtattccg  | 1939260 |
| atcaggggtc  | agacgaatct | ttttcggttc | tccggcagtc | cgaatctctt  | tttcacctac  | 1939320 |
| aacctttccg  | tctttccgtg | ccacaacctt | cacactacc  | ggttcatact  | tcacacgcca  | 1939380 |
| gacaacatgc  | agatggtttt | catcttttag | ctttacacct | tgtgacttcc  | cgttcacaaa  | 1939440 |
| cagttctacc  | tcgtctgcct | gattgtaata | gcaccacata | tctacatcct  | gaccagccgt  | 1939500 |
| ccagttccaa  | tgcgggaaaa | gatgcaagac | ctgcttggtt | ctccattccg  | actggtataa  | 1939560 |
| ataatagaca  | tccttcggga | aacctgccaa | gtcaataatt | ccaaaataag  | agcttcgggc  | 1939620 |
| aggccatcca  | taaggagtag | gtcaccgat  | ataatcgaat | ccagtccata  | catactgccc  | 1939680 |
| gctgataaaa  | tcattcttct | ttgtcagcaa | caaattctct | tcgtgtgtgt  | ttccccacgg  | 1939740 |
| agcatgacag  | ttgtcgtacg | aagagcaggc | aaacgtagca | tcgtagaaaag | gtttgtccca  | 1939800 |
| gcgttccggc  | cagataaaca | tctcgtcact | cggcatccgg | taatatccac  | gcgtcatcaa  | 1939860 |
| ggccgaattg  | ctttccgtta | tgataaacgg | cttgccggga | aagttacggg  | gaacgtcagg  | 1939920 |
| aatattgaca  | ttgtgatagt | tataaccgat | aatatccaaa | gcttcggaac  | ggaacagatg  | 1939980 |
| attcgccgga  | ttcggttcgt | tacagccagc | agtgaccgga | cgagtaggat  | ccagcgcctt  | 1940040 |
| tacaaaatca  | gccaattttt | tagtcagcaa | ggaatttaca | ctcacctccc  | cttctttcgc  | 1940100 |
| cagcatatcg  | gccgaatgtc | cgaagttcaa | aatcagattc | gcctcttcca  | acgaaagtgt  | 1940160 |
| atcagcctgt  | gcatactacc | attgttccaa | gacctcattg | ccgatactcc  | acatgaatac  | 1940220 |
| agacggatga  | ttacggtcac | gaagaataaa | atcgtgcaaa | tcccgttcat  | gccactcatt  | 1940280 |
| gaaatacagc  | gaataatcgt | aagccgtctt | ctttttgcgc | cacatatcaa  | aagcctcatc  | 1940340 |
| catcacgata  | aagcccatgc | ggtcgcacaa | gtcgagccac | tcgggagccg  | gaggattatg  | 1940400 |
| agaacaacga  | ataccggtac | atcccatctc | cttcaacatc | tgcaactgcc  | gttccatggc  | 1940460 |
| acgtacgtta  | acagctgctc | ccaagcatcc | taagtcgtga | tgcatgcaaa  | caccgtttat  | 1940520 |
| ttttgtcggc  | ttaccgttca | agacaaatcc | ttttgtagca | tcgaaagaga  | acgtacggat  | 1940580 |
| accacacagga | gttatataac | ggtccacaca | ctgtccgcct | tccatcacct  | cagtcaccaa  | 1940640 |
| agaatagaga  | taaggatgct | ccacatccca | taactgagga | gaggttaactt | gcagcttttg  | 1940700 |
| agcaatcttc  | accgactttt | cggcaactac | atttgccgga | gattctacct  | gagcgacttc  | 1940760 |
| ttttccttca  | gcatactttc | aaacagaacg | tacagttaca | tcagcattct  | ccttgccctgt | 1940820 |
| attctccaag  | gtcgtaacca | gattcaagga | agcaccctgt | ccgtcaacct  | ttgccgtcgt  | 1940880 |
| gacatacgta  | ccccattctg | ccacacatac | atctcctgtc | ttcagcaacc  | acacattacg  | 1940940 |
| atagatgccg  | cagccagagt | accagcgaga | attaggttgt | tccgcattat  | ctacacgtac  | 1941000 |
| ggctattaca  | ttcttttctc | cccatttcag | atagggagtc | aaatcataac  | tgaacgaaat  | 1941060 |
| atatccatag  | gggcgttttc | ccaaacaagt | accattaatg | aaaacttccg  | aattcatata  | 1941120 |
| cactccgtcg  | aactcgatac | ggaaatgttt | tcctttatcc | ttgttctccg  | ctacgaaagt  | 1941180 |
| tttccgatac  | catccgacac | ctcccggtaa | agctcctcca | cctgtaccgg  | aaggattatc  | 1941240 |
| ctgactgaag  | tcaccctcaa | tagcccagtc | gtgcggcaag | ttcaactttc  | tccagcccga  | 1941300 |
| atcgacaaat  | tccggtcgtg | cagccagtga | atcatccgcc | aaggagaaaa  | gccacccatc  | 1941360 |
| attaaagctc  | agtctttccc | gcgactcaga | agagagagag | ctgcacgccc  | ccagaaagag  | 1941420 |

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|             |            |            |            |            |            |         |
|-------------|------------|------------|------------|------------|------------|---------|
| catgcagcat  | actcccataa | taacagtttg | agttaactta | cgattcatct | tttacaactg | 1941480 |
| aatagtttgt  | gatgttccgt | tatatttcac | gacaatacct | ttggcattca | tatcaaaagg | 1941540 |
| tttcgggctg  | tcagcggttc | cctgaatgat | ttcgaacgta | cgctctttca | gcataccgtc | 1941600 |
| gaactctccc  | ttccgatctc | cgataactaa | ctgcttcttt | gcctcattgt | aagccatcgg | 1941660 |
| aatcatggta  | tacttaccct | gctcgtagtt | atagttcaca | ccttcaccc  | catacaagg  | 1941720 |
| aaatgccgca  | tcggcaccct | gataaacata | caatttgata | taatcggctt | tcttttcac  | 1941780 |
| cgtatactga  | atctccggtc | cgaaaggaac | aattgagcca | gcgcgaacga | acaacggaat | 1941840 |
| acgttcgtaa  | ggagcatcta | cagctttctt | ttctccacca | gcctggaact | taccctgata | 1941900 |
| gaaatcgta   | catcctgccg | atttcgggaa | ataaacctca | cgacttctgt | cgccgtaatg | 1941960 |
| ataaacggga  | gaaaccataa | acgacggacc | gaacataaac | tggtcgccta | tattgtttac | 1942020 |
| gtttgtatca  | ttcgtaaagt | ccattaccag | cggacgcata | atcgtataat | cgtaaacca  | 1942080 |
| cgtcatacct  | gccaaagaat | agatatacgg | catcagacga | taacggagtt | tggataata  | 1942140 |
| aacaaccgag  | ttgtaagccg | gatgaccttc | gggagcgatt | tcccaaattt | cacggaacgg | 1942200 |
| atattgtccg  | tgcgcacgat | acaacggaca | gaatgtctca | aactgatacc | agcgcgcatt | 1942260 |
| cagttcacgc  | cattccttgt | aatcggcatt | ttcgtttttc | gttgcatctc | actgctgttg | 1942320 |
| tccggctaca  | taacgattct | cgacacagaa | cccaccaata | tccatggtcc | agtaaggaat | 1942380 |
| gccacttatc  | gcataattca | gtccagccgt | aatctgagct | ttcatatcct | cccaacgggt | 1942440 |
| agcaatatca  | ccgctccatg | tagctgtaga | atagcgtgc  | aatccggcaa | atccggaacg | 1942500 |
| agtcaacaag  | aacacacgct | tattgttatc | cactccacgc | tgaccatcat | aaatagcttc | 1942560 |
| cgcattcatc  | agtgcatagg | cattgaagta | ttcggttgaa | ggtcccaaag | ccgtaggtcc | 1942620 |
| acacaagtcc  | ttgcgatatt | gcatgtcgg  | acaatctcgg | atgtttgggt | cgctggcatc | 1942680 |
| catccaccaa  | gcatcaattc | ccaacggata | ataatgatca | tacatctgct | tccagaacaa | 1942740 |
| cttgcggtgca | tcggcatcgt | aagcatcgta | gaaaccataa | tggtaaccgg | gacctaccca | 1942800 |
| gtccttcagg  | ctatctttaa | cagactgctg | atagatccat | ccgttcttat | caaattcttt | 1942860 |
| gtagtgctcg  | gtagtaacat | agaacttcgg | ccatacggaa | accatcatcc | gaccatgcat | 1942920 |
| tgcataaatg  | gaatcgacca | ttgctttcgg | atcagggaaa | cgtttcttat | cgaactcatg | 1942980 |
| acttccccac  | gcattttccg | tccaatgcaa | ccagtcgagc | acgatattat | caataggaat | 1943040 |
| attccggctg  | cggaaacctt | tcaaagcccc | caacatttca | tctgaattat | tatatttttc | 1943100 |
| acgactctgc  | cagaatccca | tagcccattt | aggcatgata | ggcgcctttc | cggtaacgt  | 1943160 |
| acgataaccg  | ctgattacat | catccatata | atcgccggct | ataaaataat | aatcaagctg | 1943220 |
| cttgggtcatt | tcgctccacc | acgactgctt | gccctgctct | ttcggatcta | ccggactcaa | 1943280 |
| cacacgcaag  | ccagagtaag | aaacggctcc | atccggcacc | cattcgactt | tgataagcac | 1943340 |
| cttttttcca  | gcttcagat  | taattgaaaa | cttatagctg | ttcggattcc | atgccgtacg | 1943400 |
| ccaacgttct  | ggaacaacca | acttattatc | aatatagacc | ttagtataac | ccgcataata | 1943460 |
| taagatgaac  | ttaaactcac | ccgtctgcga | gggtcgaatc | attccctcat | aagtaacttt | 1943520 |
| cgtccccatg  | aacgggaaat | tttcgggcag | atttaccacc | ttcgacaagt | cttctcgttt | 1943580 |
| caagtgtcga  | aaataaagcg | aatcttccc  | gcgtactagt | gtttccgctc | ccgacttttc | 1943640 |
| atcaggcaca  | tatgtaccgg | tcaatgctcc | ttccttacc  | tccttatcat | aaagcttaaa | 1943700 |
| gacttttccc  | agctgagagt | aatcattcgg | attacaaaa  | cgacacagag | aataactgtc | 1943760 |
| gagcagaaca  | ccataattct | tggtcgaaac | gataaaagga | acagaaacct | ttgtattata | 1943820 |
| ctggaaaagc  | tcttcattct | ttcctttata | attgaactct | tccgactgat | gctgtcccaa | 1943880 |
| tccataaaaa  | gcctcatcat | ccggagactc | aaacacctga | cggatagaat | atccctttgt | 1943940 |
| accctccacc  | tcgataggag | tgaatgtttt | tcctccacct | ttatttttct | gaagaatcat | 1944000 |
| tttgccattc  | tcatccgtaa | accagacttc | accggtagaa | ctcaagacaa | aagccttgac | 1944060 |
| ctcttttgta  | gaaacagtga | tagtatctcc | ctgttgagaa | acggtaaacg | gtgtttgttt | 1944120 |
| ttcctgaggt  | acgataatca | agctctttga | atcggaacac | ttgctgtcgg | gagtagcaga | 1944180 |
| tacatgaatt  | aacttgtctc | ccataacctg | aaagcggacc | aggcgagcat | tctgctctcc | 1944240 |
| tttctgctga  | accttcacaa | ttacgccatt | atctgtctgt | tcatacacct | tcccggagca | 1944300 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| ggaaccgaaa  | ataagtcctg | ccagcaaaca | gtaagaaatg | tttttcataa  | tcataaccta  | 1944360 |
| tatctaaagt  | taaacatcaa | taatacacat | tgttcttgta | ggcaaattta  | agcattttcac | 1944420 |
| taagaaacaa  | ctatttgaga | tgttttacaa | aagggagatt | tttaaatacta | cgggttaatc  | 1944480 |
| aaatgtttct  | gtttagggtg | tgatttggtg | tttcccatcc | ttttcctgat  | atgcagaagg  | 1944540 |
| caaaacacca  | aattcttcct | taaaataacg | actgaaatat | tttgatttgt  | taaagcctac  | 1944600 |
| ctgaaaagct  | atctccgaaa | catggagctg | actgtcgcgc | aacaattgtg  | ctgcccgcct  | 1944660 |
| caaacggatg  | acacgtataa | attctatcgg | agtctttccc | gttatctgca  | acaacttttt  | 1944720 |
| atataagtgc  | acacgactca | ttcccagttc | ccggctcagt | tcttctaccg  | acaagtcact  | 1944780 |
| gcgggaaata  | ttatcttcca | catacttgat | agccttttct | atcagcttct  | catccaaaga  | 1944840 |
| agtgatgaca  | atctcactag | gagcaggatc | aatggttccc | ttcgaagtat  | tataacggct  | 1944900 |
| cagttcaatc  | agcttccgga | tacgcaaagc | caaaatcgtc | atgttgaacg  | gtttcgtcac  | 1944960 |
| atagtcatcc  | gcaccgatac | tcaatccttc | caccttcgat | tccgtagcct  | gttttgctga  | 1945020 |
| aagcaatatt  | accggaatat | gagctgtacg | cttatcctgc | tttatcagtt  | tacacaattc  | 1945080 |
| atttccatcc  | atttccggca | tcatgatata | actgaccacc | agatcaggca  | tttcctcaca  | 1945140 |
| attctgcaag  | aagttccagg | cctcctttcc | attcgaagca | agtttcaccc  | gatactgtaa  | 1945200 |
| ccccagactc  | gattccataa | acgtacggaa | atcagcatta | tcatctacca  | ccagcaagag  | 1945260 |
| cggaactga   | cttctgtcaa | cttcatccac | atgctgtccg | gatgattcag  | acagcaaacc  | 1945320 |
| aggtagtggc  | atcgtattaa | taggatgata | ttgtatgtcg | acatgcttga  | caggtatatg  | 1945380 |
| taccacaaag  | acagctcctt | taccaatatt | atcgaaaaca | gtcacgtcgc  | caccatgcaa  | 1945440 |
| cgtcacaaag  | tcttttacca | gactaagtcc | gatacccgta | cctcctgtat  | tttctcccg   | 1945500 |
| ttccttattc  | tctgtctgat | aaaaacgatc | gaaaatatgc | tccttctcct  | catcactcac  | 1945560 |
| tccaataccc  | gtatcggcca | cctttatctc | aatcacttcg | ttttcctcct  | gaagatgttc  | 1945620 |
| cagcatgaca  | gtcacccttc | caccttccgg | agtgaactta | aacgcattgg  | caagcagatt  | 1945680 |
| catcacaaatc | ttgcccatct | tgtcggcatc | gaaagccatg | gtaaaatgat  | ccacactcga  | 1945740 |
| gaaaaacgag  | aaatgtatct | gcttcttgtc | tgccatcaga | aggaacgaat  | cgcagacacc  | 1945800 |
| ctgaatgtag  | gaaataatat | ctccttcaga | aagcgacaga | tgatgtgaac  | tcatttcccc  | 1945860 |
| cttgcggaag  | tcgagcaact | ggttgactag | catcaacaac | cgatgtgcat  | tccgatacat  | 1945920 |
| cagctgaaga  | cgcactcttc | ggctttcgtc | attatctgct | tctttcagca  | tctgttcaag  | 1945980 |
| cggcgcaata  | atcaacgtca | gcggagtacg | caactcgtga | ctgatattgg  | tgaagaaacg  | 1946040 |
| gaatttcata  | ttgttcacct | cttcgttctt | cgctacctcc | agttcaatct  | gatgcaaacg  | 1946100 |
| gaaccgttct  | ctttcacgct | tcaatatccg | gcgacgagcc | aggaacaata  | aaccgacacc  | 1946160 |
| tgccagcaca  | tatagtacgt | atgccacca  | tgacatccag | aacggaggaa  | ggacctctat  | 1946220 |
| ctcaagctga  | gaaatctcct | tgcttacata | tccgtcgtta | ttgacagcct  | tcacactcaa  | 1946280 |
| gacataattt  | ccaggagcca | gattggtaaa | agttacatta | tgactccct   | ccggtaacga  | 1946340 |
| caaccactct  | ttgttaaaac | ctttaagctg | atacatgtag | cgagtctttt  | ccggtagaaa  | 1946400 |
| aaagtattcg  | gaagccaaaa | atatggtaaa | gatattctgc | ttgtactcca  | aagtcaactt  | 1946460 |
| acccatccgg  | ttaagagttt | cggaagcaa  | cacatgtcca | tctacattct  | cgcctacctg  | 1946520 |
| aacttccttg  | ttgaacaaaa | acagatgtgt | aaacaatact | ttgggaagct  | gcttggttga  | 1946580 |
| atgcacattt  | tccggagtga | aaacattgat | gccatacaat | ccgccgacca  | ggatggcatt  | 1946640 |
| attattcaat  | cgccggatag | aacggatatt | aaaatcacta | ttttgcaagc  | catccttgct  | 1946700 |
| attatatata  | tgaggaataa | acagatattt | tccaccttta | tccttcttta  | tacgcaaata  | 1946760 |
| aataagctga  | cgtgctgaag | taatccacat | atccccgttc | gcactcttcg  | ttataaccagc | 1946820 |
| aataatacct  | ccgttatctg | gcataataat | gtgggaaggg | cccttcagtt  | ttcttgtctt  | 1946880 |
| catatcgtag  | atattgagtc | caccacgggt | tgcaatccaa | attaatcccc  | gactatcctt  | 1946940 |
| aaaaatctga  | taaatctcat | tatgagcaag | cctcctacta | tcagtctcac  | gcaatattgt  | 1947000 |
| ctttatctta  | cggctttcca | aatcgaagat | ggcaactccc | tgactagctg  | tacctataac  | 1947060 |
| caaatcatct  | tcatcgggtc | aacacaagga | agccacatga | taatcatcca  | gcccagcctt  | 1947120 |
| tttcaagtcg  | attgtttcga | aggtatcgcc | cgatgaatgt | aaacactgta  | taccagcatc  | 1947180 |



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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| cagaaaacca  | atccatatat  | tcccttttacg | gtcttctctgt | aatgcccata  | tcttattgct | 1947240 |
| taccaactga  | cctccttcac  | cagcttttaa  | ggaacgcacc  | cgattccctt  | cgatgcaata | 1947300 |
| caagccacca  | ttgaatgtcc  | ccacccaaag  | tttcccgtcg  | ctagccttca  | ggagtgcgac | 1947360 |
| aactggcgct  | tcacccagtt  | caaaatgctt  | ctctaccgga  | cggagagaaa  | aattccatag | 1947420 |
| caatactcca  | ttatcggtcg  | taccagacca  | tgcctgtctt  | tctccttcgg  | cctctatact | 1947480 |
| cgttacatcg  | cccacataat  | caatatcaaa  | cttaaaaata  | ctttcgccat  | aataagagat | 1947540 |
| tcccttttta  | tatgtaccgg  | cccatacaat  | tccatccctg  | tcggtataaa  | gagtgtacac | 1947600 |
| tgtattatgc  | gacaatcctc  | tgtctgtatc  | tttatctgcc  | accacagatc  | tgatcttcca | 1947660 |
| agtggatttt  | tccagaatat  | cgattccgct  | ataatctttc  | cccattccaga | ttcttcccct | 1947720 |
| ggcatcctgc  | gtaatgggtat | ggacaaaatc  | ggaacgattc  | ttccaacgag  | ccgtaacttc | 1947780 |
| ttcggttccat | tttcccgtct  | gcaagtcgta  | tgcccataca  | ccttcaatac  | catatatcca | 1947840 |
| gatacagtct  | tctctatcca  | caaacagaga  | aaagtctata  | cgcacctgtg  | gcatccttg  | 1947900 |
| ctgtacgtcc  | ttctttatcc  | acttgacatt  | cagtttatca  | cgatcaatgc  | agaccagcaa | 1947960 |
| ccctgtatcg  | tataacagta  | atataccgtc  | tttactctct  | gccatatccg  | aaacgtctga | 1948020 |
| aggtggaaaa  | ttatatctct  | gacaagaaac  | ataacctatt  | tccttttgtc  | gattatagcg | 1948080 |
| atagcatccc  | tcgcccacga  | catatatcca  | gacatttctt  | gcagaatcga  | caaaaacatt | 1948140 |
| accaggatta  | cccttgctac  | ctaacgaagt  | catgaaggga  | gtcaaattccg | actgaaaaac | 1948200 |
| ttcttttgcc  | ttatcgaaca  | acacatatcc  | tttggccgtt  | ttaatccaga  | acattccatc | 1948260 |
| gggtgttct   | acaatatctt  | cgatataatt  | atcaggaaga  | gaattcggat  | tattctcctg | 1948320 |
| atgagtaaa   | actttaaatg  | tatagccgtc  | gtaacaattc  | aatccggcca  | gcgtaccaa  | 1948380 |
| ccacatcagt  | ccttcactat  | ccttgtaaat  | gcaacgaact  | gaattgttcg  | ataatccgtc | 1948440 |
| tgagacctcc  | agatgcttga  | acataagtga  | ttgcgcatgg  | agaccaagca  | atagaaaaaa | 1948500 |
| caaggccagc  | aaagtatata  | tccttctcat  | atcatataac  | gttttctaaa  | gcaaagaaaa | 1948560 |
| tgaagtttga  | ctaaacaagc  | aagaatctct  | ttttcttttt  | ctactccata  | cgcaacagaa | 1948620 |
| tggacaaaat  | agatgattct  | acagcctaaa  | tacctacca   | attgattatc  | atttgctgaa | 1948680 |
| aaagtaatac  | aaaaattgtc  | agaaataaat  | aaaaatttgt  | ccagaacatt  | ctgttctttt | 1948740 |
| tgtataaata  | taaaatatgc  | ctagcaactt  | tttcttacag  | gcacaagcac  | tttcaccaa  | 1948800 |
| aacattacac  | gacaagttgt  | gtcttttctg  | agcctattta  | tcgaacaacg  | tataacggat | 1948860 |
| agcaacccgc  | atactatccg  | acaatcacca  | aaatatcccg  | atcaacaaat  | ctttctttca | 1948920 |
| gtgcttgga   | ttgcaactat  | acatatttct  | tcaaaaatat  | cattccacca  | tgaaacaagt | 1948980 |
| ctcaataaat  | cacttttaac  | acgtgtatgt  | ttctaacttt  | aatataatca  | aggaaatgaa | 1949040 |
| ttgcaaagag  | aaagaatttt  | cctatgacac  | attctagtca  | tcaaaacgaa  | acaaaaaaca | 1949100 |
| tttcatgtac  | tataatgaaa  | catttccttt  | ttcatcacat  | caatctttgc  | attagctttg | 1949160 |
| taatcgtctt  | taacaacatc  | agattatgaa  | aacacatagg  | aaactttttt  | tcgtcttgct | 1949220 |
| gactgcttca  | gcaggaatca  | tacacgtcca  | acatgtattc  | aatcttacta  | cagctagtga | 1949280 |
| ggaacagcgg  | ctagatgact  | taattgctca  | aatgaccctc  | gatgagaaa   | tcgatgcctt | 1949340 |
| aggaaacaat  | accaggttc   | ctcggctcgg  | catacaaggt  | tcaggcagtg  | tagaaggatt | 1949400 |
| gcatggagt   | gttttaggag  | gacctaccta  | tggagaaaga  | ctcaacacac  | caacgacggt | 1949460 |
| ctttccacaa  | tcctacggac  | tgggagagac  | atgggatacc  | gacctgctgt  | atcgcgtagc | 1949520 |
| cacttacatc  | agcatagaga  | accgttatct  | ttttcaaaat  | gccaattacc  | ggaaaagcgg | 1949580 |
| tctggtcatg  | tggactccca  | atgtggattt  | aggtcgagat  | cctcgctggg  | gacgaacgga | 1949640 |
| agaatgctac  | ggtgaagacg  | cctttctcac  | atcaagactt  | gctgtagctt  | ttatcaaagg | 1949700 |
| tattcagggg  | gatcatccta  | aatactggag  | aaatgctgca  | ctaataaaac  | atttcttgct | 1949760 |
| gaacagcaat  | gaatacgggc  | gctcatcctc  | atcgtccaac  | tattccgata  | agttattccg | 1949820 |
| cgaatattat  | tcctatcctt  | tctataaagg  | agtgaccgag  | ggaggatcac  | aagcgcta   | 1949880 |
| gacggcatac  | aatgcctaca  | acggcattcc  | ctgtatcatg  | catcccgtac  | tgctgtatgt | 1949940 |
| cgtgatgaaa  | gaatggggac  | tgaatggtac  | cttgataacc  | gacggaggag  | ctttccgcct | 1950000 |
| cttgctgagc  | gatcacaac   | gtttcgacaa  | cgaccgggct  | gaagctgctg  | ccgcatgtat | 1950060 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| caaggccggc  | attaccaaat  | ttctagatga  | ctacaaagat  | gcggtatacg | atgcggttacg | 1950120 |
| ccgaaagctg  | atcagtgaag  | aagatattga  | aaaagccata  | cggggcaatc | tcaggatttc  | 1950180 |
| tctcaaaacta | ggcttgctcg  | atgatgcagc  | cgacaatcct  | tatgcagcta | tcggtgtgac  | 1950240 |
| ggataccggt  | gctccatgga  | gcaaacctgc  | gacaaaagaa  | ctggtacgtg | aagcaacacg  | 1950300 |
| caaatcgggt  | gtcctgctta  | aaaacaataa  | ccacctgctc  | ccgctcgaca | agcagaaaat  | 1950360 |
| aaaaaagatt  | gccgtcatcg  | gtcaacgggc  | taccgaggtt  | ttacaggact | ggtattcttg  | 1950420 |
| caagcctttc  | tatacagtaa  | acgtactcga  | tgccatccgg  | gaagaagccg | gaaatgatat  | 1950480 |
| tgaagtacgt  | tatgtagcga  | ccaatcgaat  | ggacagcgcc  | cgtaccgttg | ctgcatgggc  | 1950540 |
| cgatgtagcc  | atcgtgtgtg  | tcggcaatca  | tcctacctgc  | aatgccgggt | gggaacaagc  | 1950600 |
| ccctgtggta  | agtgaaggaa  | aagaagccgt  | agaccgacag  | tccatccagt | tggatcagga  | 1950660 |
| agatttgctc  | ttgcaagtag  | ctcaggccaa  | tcctaatacc  | atcggagtg  | tgatcagcag  | 1950720 |
| cttcccgtat  | gccaccaacc  | gtgccaacca  | acgagttccg  | gcactgcttc | atcttacaca  | 1950780 |
| atgtagtga   | gaattgggac  | atgctgtcag  | cgatgtgctc  | ttcggacatt | ataatccggc  | 1950840 |
| aggcagacta  | actcaaactt  | gggtaaaaga  | catcaccgac  | ctgccgcaca | tgatggatta  | 1950900 |
| tgacatcaca  | cacggacgca  | cttatatgta  | tttcaaagga  | caaccactct | atcctttcgg  | 1950960 |
| ctatggattg  | agttatacca  | cattcaatta  | ttcacaaata  | gcagtcaacg | accgtttccat | 1951020 |
| tgaacaaggc  | gatactctaa  | aagtcagatt  | taacctgaag  | aataccggca | actgggacgg  | 1951080 |
| cgatgaagt   | gtacagcttt  | acatatctgc  | acgtaaacgt  | tcagaacaag | atcctgtcaa  | 1951140 |
| acaattgaaa  | gctttccgcc  | gcgttccgac  | tcgtaaagga  | gaaacacaga | aagtagaatt  | 1951200 |
| ggaagtccc   | tacaccgaac  | tgcaaactcg  | ggatgaaaaa  | caacataagt | tcctccttcc  | 1951260 |
| cgacagagat  | atggtactgg  | aaataggtac  | ttctcctca   | gatatacgct | tacggacctc  | 1951320 |
| attccgcacc  | aaagaataaa  | aacaaaagac  | atcttcaaaa  | tgaaagtgca | tcccaacgtt  | 1951380 |
| ggtacaaccg  | acctttaagg  | atgcactttt  | atctttattca | taacactggg | aaataatata  | 1951440 |
| tcatcccagt  | agaaagaata  | aacggacttc  | agtccagaac  | ttctttatta | tctcatataca | 1951500 |
| aatctattct  | tccacgtaac  | cacacacact  | tcatcgggac  | tacactttcc | catgctcctt  | 1951560 |
| ccattgacaa  | ataattcggc  | ttctccgcaa  | ttgctgaatg  | cctgaatctc | cgtcagtga   | 1951620 |
| tccgttcgg   | tccgacaacg  | tttgaggca   | atatgcaaca  | ccttctcctt | cctgttccag  | 1951680 |
| ttagctttat  | aaaaatagaa  | agcctccttc  | ctgatacgcc  | ggtcatacgt | taccagccct  | 1951740 |
| ttatcatttc  | gcccaaaagt  | aattttctcc  | cgacgtccag  | ccaccgagaa | atcgaacatg  | 1951800 |
| caccaaaccga | acttacacca  | caaaaacgg   | cgggctcctt  | gttaaagaac | taccctctgc  | 1951860 |
| ccaaagactc  | cactttcatt  | gcagccgatt  | tcattacaac  | cgcaccctc  | aatagcagca  | 1951920 |
| atatgcccc   | tctaaccttc  | catctgttct  | cattagtttc  | agttttta   | catattctta  | 1951980 |
| atagctgttc  | tatcgggtcc  | cttctcaaca  | aagatagttt  | ttctatcaac | ggaaacatat  | 1952040 |
| caaacgcccc  | caaagtaa    | aaatgaaaca  | tttgaatacc  | ctatttaaaa | catttcaact  | 1952100 |
| cgtgcaagaa  | aacaaaataa  | ccgacaaaaa  | acatcaaaat  | catatatctt | tgtaagcgaa  | 1952160 |
| gtcaggcaaaa | cgacttccga  | actttttaac  | tttaatgaat  | tatgcgaaac | attggtatct  | 1952220 |
| tactttgctc  | cttagcttgt  | tctatatg    | aaacatttgc  | tcagggctac | aagaatccgg  | 1952280 |
| tcattcccgg  | atttcatccc  | gaccccagcg  | tatgcaaggc  | tggcgatgac | tattatctag  | 1952340 |
| taaacagcag  | ttttcaatat  | ttccctggtg  | ttcctctttt  | tcatagcaaa | gatttggtga  | 1952400 |
| actgggaaca  | gataggcaac  | tgtctgacac  | gaaaatccca  | attaagcttg | aaaggtgcca  | 1952460 |
| acgggggaag  | cggtatcttt  | gctcctacca  | tccgttacaa  | cgacggagtg | ttctatatga  | 1952520 |
| ttacaaccaa  | catatcgggg  | aaaggttaact | tcttagttca  | tacaaccgat | cccaaaggag  | 1952580 |
| aatggtcgg   | acctgtatgg  | ctggaacaag  | gaggcatcga  | ccgctcctta | tacttcgaaa  | 1952640 |
| acggcaaatg  | ctacatgggtc | agcaaccccg  | acggttatat  | caatctgtgc | gaaatagacc  | 1952700 |
| cgatgaccgg  | aaagcagctt  | accccatccc  | aaaagatatg  | gaacggaact | ggtggacgtt  | 1952760 |
| tccccgaagg  | accgcatctc  | tataagaaag  | acggatggta  | ctacctgctc | atttcggaag  | 1952820 |
| gaggaacgga  | aatagcacat  | agcatcacca  | tcgcacgcag  | ccgtacatc  | gacggacctt  | 1952880 |
| atctgggttaa | tccagccaat  | ccgattctga  | cacatgcctg  | tcaggcagca | gaaaacaatc  | 1952940 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| cgattcaagg  | tacaggtcat  | gccgatctgg | tagaggggtgc | cgacgggttca | tgggtggatgg | 1953000 |
| tctgcctcgc  | ctaccgtgtc  | atgccgggaa | gtcatcatac  | cttaggacgt  | gaaactttct  | 1953060 |
| tagcacctgt  | acgctgggac  | gaaaacgcat | ggccggctgt  | caacggaaac  | ggcgtcatcc  | 1953120 |
| aactggacat  | gaatgttccg  | acgcttccac | ttcaggctgc  | gaaagaaaag  | cccgaacca   | 1953180 |
| tcactttcga  | gaacaaaaag  | ttatctcccg | aatggatgta  | cctgcaaaat  | cccgcacatgc | 1953240 |
| agaattacga  | attcaaaaac  | ggtaatctcc | gtctgaaagc  | aacacctgtt  | tcgttgaacg  | 1953300 |
| accaaaaagag | tccgactttt  | gtcgctatcc | ggcaggaaca  | tttcaacatg  | gaagctgcaa  | 1953360 |
| cttcgctgaa  | actgaaagac  | gcgcaagcaa | acgatgaggc  | aggtatcagt  | gtatacatgg  | 1953420 |
| aatatcactc  | acactacgac  | ctgtttgtac | gtcagaacaa  | agacaaaagc  | cagtcggtcg  | 1953480 |
| ttctccgcta  | taaactgggt  | gaactgaatc | acatcgaaaa  | agagctacca  | ctcagcggca  | 1953540 |
| aaggaaacgt  | cgaactacaa  | gtaaaatcgg | atattaatth  | ctattacttc  | ggttacacgg  | 1953600 |
| aaaacggtac  | gtaccacgaa  | ttaggaaaaa | tgaacacacg  | ctacctgagc  | agcgaaacag  | 1953660 |
| caggaggatt  | taccggcgct  | gtgcttggac | tgtatgccgt  | atcagcttcc  | aacgagtcga  | 1953720 |
| aagcatacgc  | cgacttccaa  | tacatgaaat | ataaaggaga  | atagacatga  | gtaaacgata  | 1953780 |
| cgcattccatt | ataataagta  | tcttctgtct | tcttttcacc  | ctacaagcac  | aagcacaaaa  | 1953840 |
| aaagataaaa  | atagcctgtg  | taggcaacag | catcacggaa  | ggattcctgc  | tacggaatcc  | 1953900 |
| ctcggaaagaa | agctatccgg  | ctgtgcttca | gaaattatta  | ggcgataagt  | atgaagtaga  | 1953960 |
| aaacttttga  | gtgacagctc  | atacattgag | tatgaaggga  | gatttgccgt  | acatgaagac  | 1954020 |
| ccaacgtttt  | caagaagcac  | tggatttcct | gcccgcacac  | gtcaccatca  | agctcggtac  | 1954080 |
| caacgactcc  | aagccgcaga  | actggcagca | tcatgcatcg  | ttcaaggagg  | acttaaacct  | 1954140 |
| gctgatagac  | aaatttcagg  | cacttgccct | acatcctcgt  | atttatctct  | gcctgcctat  | 1954200 |
| tccctccaat  | cacaaggaat  | ggggcatcaa | cgacagcatc  | atcgatcatg  | gcattattcc  | 1954260 |
| ctatatattag | gaggttgctg  | ccgaaagaaa | cttgccgggtc | atcgacctgc  | atacagcgat  | 1954320 |
| gcgtccctat  | tatccgcaac  | tttatgtcga | tgccgtacat  | cccgcataaat | atggagcagc  | 1954380 |
| cattattgct  | gaaaccttgt  | acaaatatct | taccggagaa  | gaagcttatc  | cggccccggg  | 1954440 |
| acgcagcgac  | cagaccttat  | ggtacgacga | acctgccgcc  | cagtgggaag  | aaacgcttcc  | 1954500 |
| gttaggcaac  | ggcagactgg  | ggatgatgcc | cgacggagcc  | atcggaagag  | agcatatcgt  | 1954560 |
| cttgaatgaa  | atcagcatgt  | ggagcggatc | ggaagcaaat  | tacctgaatc  | ccgatgcctc  | 1954620 |
| caaaaagtctg | cccgaatcc   | gccggctgct | gttcgaagga  | aagaacaaaag | aggcacaaga  | 1954680 |
| actgatgtat  | accagtttctg | tgcctaagaa | accggaaaaa  | ggaggaacgt  | acggcacctt  | 1954740 |
| tcaaatgctg  | gcagacctat  | acttagaaca | ccaatacgga  | aacctatgaa  | aagatacggg  | 1954800 |
| ttctcattac  | cgccgctggc  | tggatttgag | caagggcata  | gcctatacaa  | ctttctcccg  | 1954860 |
| cggaaacggtg | cgttatgtac  | gcgaatatgt | ggtttcacgc  | gataaggatg  | tcatcctgat  | 1954920 |
| acacctgaaa  | gcagatgttc  | ccggctccat | ccattttcaag | atgaacttga  | gccgaccaga  | 1954980 |
| aagaggcaac  | gtacgcaaac  | tgacagaagg | gaaactggaa  | ctatccgggt  | gtctggacag  | 1955040 |
| tggttcctcg  | caagccgggtg | tccgctatgc | tgccattgcc  | ggagtaacat  | gcaaaggcaa  | 1955100 |
| gcaggtacag  | cagtccaccg  | atgagcagtc | tatcgacata  | cagcatgcag  | acgaagcatg  | 1955160 |
| gatcggtgta  | tcggcaaaga  | cctcgtatct | ggctggagaa  | atctacacaa  | cagaagccga  | 1955220 |
| ccgtctgctc  | agcgaagcat  | tggaaagcaa | tctctccgac  | gctgtagcgg  | aagcagtcag  | 1955280 |
| cagctatcag  | gccttattca  | accgtgccgg | tatctgcctg  | cccgcagaacg | aagccgtttc  | 1955340 |
| acagcttact  | accgaccaga  | gaatagaaaa | attccagcag  | caggacgacc  | cctcactagc  | 1955400 |
| tgtcttttac  | tataactacg  | gacgctacct | gctgataagc  | agtacacgcc  | cgggaagctt  | 1955460 |
| acctcccaac  | ttgcagggac  | tttgggccaa | tgagccggca  | actccctgga  | acggcgacta  | 1955520 |
| tcacaccaat  | atcaatgtac  | agatgaatca | ctggcccgtg  | gagcaagcca  | acctatcgga  | 1955580 |
| actgtgcatg  | ccattggtcg  | atctggtcaa | acggctgggt  | gccagcggag  | aagaaagtgc  | 1955640 |
| aaaagctttc  | tacggcccg   | aagccaaagg | ctgggttctg  | cacatgatga  | ctaatgtgtg  | 1955700 |
| gggctatacc  | gcaccgggag  | aacatccgtc | atggggagca  | acaaataaccg | gaggagcatg  | 1955760 |
| gctctgcgca  | cacttgtggg  | aacattatct | ttttagcggg  | gacccaaaat  | atctggcaga  | 1955820 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
| tatttatccc  | atcatgaagg  | gtgcctccga  | atctttctac | tcgactatgg  | taaaagagcc  | 1955880 |
| caaacacggc  | tggctgggtca | cagctccgac  | ttcttcgccc | gagaacgctt  | tctacttgcc  | 1955940 |
| cggcaaaagat | cgtacaccca  | tcagcgtttg  | tatggggccg | acaatggaca  | tccaactcgt  | 1956000 |
| acgcgaactt  | tataccaacg  | tgatagaagc  | ttcacacatc | ctgcataccg  | atacagctta  | 1956060 |
| tgccgaggcc  | ttgcaagaag  | ctatccggct  | attgcctcct | catcagatca  | gtaaaaaggg  | 1956120 |
| atacctgatg  | gagtggctgg  | aggattatga  | ggaaaccgac | atccatcacc  | gccatgtatc  | 1956180 |
| tcatctatat  | ggtctgcatc  | caggtaatca  | gatttcgggt | cttaaaacgc  | ccgaactggc  | 1956240 |
| agaagcctgc  | cggaagaccc  | tgaaccgacg  | tggagatgaa | ggtacgggat  | ggagccgtgc  | 1956300 |
| atggaagatc  | aacttctggg  | cgcgactggg  | tgacggaaat | cgtgcatata  | agttattccg  | 1956360 |
| cagtctgctt  | tatccggcat  | atacagctca  | aaatcctacc | cagcacggca  | gcggtacgtt  | 1956420 |
| ccccaatctc  | ttctgctcac  | acccgccttt  | tcagatggac | ggcaactggg  | gaggtacatc  | 1956480 |
| gggaatcaac  | gaaatgctgt  | tgcaaagtca  | ggatggcttc | atccacttgc  | tcccgccct   | 1956540 |
| acccgactcc  | tgggaaaacg  | gtaattttta  | cggactgaaa | gtaagagggtg | gtgccacggt  | 1956600 |
| agacctcgta  | tggaaagatg  | gaaaaccggt  | acaggcaacc | atcaccggag  | gatggcaaag  | 1956660 |
| cgacctgaag  | ttgaaatgcc  | ctaaagggtgt | caaaaaggta | cttctcaacg  | gtacaccttg  | 1956720 |
| tcaagcagac  | gaattcatct  | cgttccatgc  | aaagcagga  | gaacaagtca  | cattttttatt | 1956780 |
| tgaataacga  | aaaaagaatt  | tacaataatt  | ttaaacagaa | tcatccatga  | aaaaatttaa  | 1956840 |
| gaaactggca  | ctggcatcgg  | ttttatgtac  | cgggtgatgc | ctgacagcag  | gaggacaaaa  | 1956900 |
| gcctgctcct  | gccattcctt  | ccgatccggg  | aatcgaggca | catattcagg  | aatggctgaa  | 1956960 |
| gaaaatgaca  | ctcgaagaga  | aagtcggaca  | gatgtgtgaa | atcaccatcg  | atgtggtaag  | 1957020 |
| cgatttcgaa  | gcaagcaaga  | aaaacggatt  | tacactgaat | cctgccatgc  | tcgataccgt  | 1957080 |
| aataggcaaa  | tacaaagtcg  | gctcattgct  | gaatgttccg | ctaagtatgg  | cacagaaaaa  | 1957140 |
| agaaaaatgg  | gctgaagcca  | tcaagcagat  | tcaggataaa | tcgatgaagg  | aaatcgggat  | 1957200 |
| tccttgatc   | tacggtgtcg  | accagattca  | cggacaacc  | tacacgctcg  | atggaaccat  | 1957260 |
| gttcccgcag  | ggagtgaata  | tgggagctgc  | tttcaaccga | gaactgaccg  | aaaaggctgc  | 1957320 |
| atcgatttca  | gcttacgaaa  | ccaaagcttg  | ctgcattccc | tggacgtatg  | caccggtagt  | 1957380 |
| cgacctggga  | cgtgaccgcg  | gctggctcg   | tatgtgggag | aactacgggtg | aagactgcta  | 1957440 |
| tgtaaatg    | gaaatgggta  | aggcttccgt  | cagaggtttt | caaggaagcg  | acccgaacca  | 1957500 |
| tatcggtgaa  | tacaacgtgg  | ctgcctgcat  | gaagcactac | atgggttacg  | gtgttcccgt  | 1957560 |
| atcaggcaag  | gaccgtacgc  | cgtcgtctat  | ttcacagagt | gatatgcg    | aaaagcactt  | 1957620 |
| tgccccattc  | cttgacgcaa  | tccgtcagg   | agcgtgagc  | ataatggtca  | attcgagtgt  | 1957680 |
| aaacaacggc  | atgcctttcc  | atgccaaccg  | tgaactgctg | accgaatggc  | tgaaggaaga  | 1957740 |
| cctgaactgg  | gacggcctga  | tcgtgaccga  | ctgggcggac | atcaataacc  | tgtgtacgcg  | 1957800 |
| cgaccacatt  | gcagcaacca  | agaaggaggc  | catcaagatt | gccatcaatg  | ccggtatcga  | 1957860 |
| catgtcgatg  | gtgccttacg  | aagtgaactt  | ctgcgactac | ctgaaggaa   | tgggttcagga | 1957920 |
| aggcgaagt   | ccgatgagcc  | gcacgatga   | tgccgtagcc | cgcgtattgc  | gcctgaaata  | 1957980 |
| tcgcttgggg  | ctgttcgacc  | atccgtactg  | gaacatcaag | aaatacgaca  | agtttggttc  | 1958040 |
| gagggagttt  | gctgccgctg  | ctcttcaggc  | tgccgaagaa | tcggaagtgc  | tgtgtaagaa  | 1958100 |
| cgaaggcaac  | atcctaccgc  | ttgccaagg   | tacaaaaatc | ctgcttgccg  | gtccgaatgc  | 1958160 |
| caactcgatg  | cgtgcctca   | acggaggctg  | gtcgtacagc | tggcagggac  | atctggctga  | 1958220 |
| tcagtgtgcc  | ggtgcctaca  | atactattta  | cgaggcattg | tgcaacaagt  | acggcaaaga  | 1958280 |
| gaacatcatc  | tacgaaccgg  | gcgtgacct   | tgctccttac | aagaacgaca  | actggtggga  | 1958340 |
| agagaaccag  | ccggaaatcg  | agaagtccgt  | ggctgcggct | gccggtgctg  | acgtgattat  | 1958400 |
| cgctgcatc   | ggagagaact  | cgtactgca   | aactccgggt | aacctgagcg  | acctgaccct  | 1958460 |
| gtcggaaaac  | cagcgtaatc  | tggtaaaggc  | actggctgct | accggaaagc  | ccgtcatcct  | 1958520 |
| cgtgttgaat  | gaaggccgtc  | cgcgcatcat  | caacgacatc | gttccgctgg  | caaaggctgt  | 1958580 |
| agtcgacgtg  | atgttaccca  | gcaactacgg  | tggcgacgcg | cttgccaacc  | tgcttgccgg  | 1958640 |
| agatgccaac  | ttcagcggaa  | agctgccttt  | cacctatcct | aagtatgtta  | acgcccttgc  | 1958700 |

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|             |            |            |             |             |             |         |
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| tgccgttatg  | gacgtgcagt | gggaattcgg | tttcggactg  | agttacacta  | cctacagcta  | 1958820 |
| ctcgaacctg  | aaagtcgaca | agccgtcgtt | tactgccgac  | gacgtattga  | cagtaagtgt  | 1958880 |
| tgacgtgacc  | aacaccggaa | aggtgaccgg | aaaagaaagt  | gtcctgcttt  | attccaaaga  | 1958940 |
| tctggttgca  | agcagcactc | ccgacaatat | ccgcctgcgc  | aacttcgaaa  | aggtagcact  | 1959000 |
| caatccgggt  | gagaccaaga | ccgtgacgat | gaagctgaag  | ggaagtgacc  | ttgcctttgt  | 1959060 |
| aggttacgac  | ggcaagtggc | gcctggaaaa | aggtgatttc  | aaactgaagt  | gcggcgacca  | 1959120 |
| gtggacagac  | atccagtga  | gtgaaacaaa | ggtctgggat  | acacctaacc  | gctaattctac | 1959180 |
| gaataaggaa  | tttcttccaa | aaattcataa | gtctagaaaa  | cctccccgc   | ctgccgcaag  | 1959240 |
| aattaaattc  | attccacggt | aaaggcgggg | gattttttgt  | acaaattatt  | tttttatttg  | 1959300 |
| tacaaatttt  | cagaaaacat | cgagagaaat | aaaatcaaat  | acgccgacct  | ttcccgttcc  | 1959360 |
| aaagccttat  | atctttat   | tatagacatt | attcatgctt  | ttttgccctt  | cacgcccttc  | 1959420 |
| acaaaaagca  | ataacggtgt | attctaacat | tccctgattc  | catttcgatt  | gtcacattct  | 1959480 |
| tcctaaaagg  | aaagagtaca | tctttctaaa | tatcctatta  | ctgaactctc  | aagaaaaggc  | 1959540 |
| ccaatttcta  | gtaaaatcat | tgtactaata | agtttcacaa  | gcaattacat  | attgtaaaaa  | 1959600 |
| tataacaggt  | aaatcatctg | attatccaat | atatagctat  | atttgtgctt  | agatagtaaa  | 1959660 |
| aaaacattcc  | tataaaaatc | aaagaaacca | acgttatatt  | taatcatctc  | ttaacccttt  | 1959720 |
| ttccatctat  | gaaaaaacaa | aagcttgacg | tgattattct  | gcttatcatc  | ggcatactgc  | 1959780 |
| cgtagactgc  | acaaaacgaa | agctcctcct | cctcgcaaaa  | gggaattcaa  | aaaataacat  | 1959840 |
| ctgtacggca  | tccattcctc | atgtcgtttt | ccattggccc  | caatttcaat  | accggcggaa  | 1959900 |
| gcgaacatcc  | ggaatatttc | ggctcacgtg | cagatgttgc  | taccagttc   | gactggcgaa  | 1959960 |
| tgtccgtcgg  | attagcacgc | cactggaatg | cttatctgga  | tatcggactg  | agttttttca  | 1960020 |
| aaatccagac  | tgatgatttg | acgaccaaca | tcgctcaagc  | cttaggcgat  | aaattgtttc  | 1960080 |
| ccggattgag  | cagaataaaa | ccttccgcaa | gtataggtat  | cggttatacg  | gcagaaatgg  | 1960140 |
| gcagatggca  | gttgatgcc  | agagtcggta | taggacgcat  | gagtgccgga  | ggctctgaaa  | 1960200 |
| agactcaaac  | catcgaagaa | acaacataca | aacttaagat  | aagccgctcg  | tctacattcc  | 1960260 |
| tcaaccccg   | aatagcggca | ggctatcgta | cctccaactt  | gtgcagtttt  | atcttagaca  | 1960320 |
| tcagttatcg  | ctgtccgcta | caaccttgta | aagcgaccta  | taccgtcgca  | gaacccgatc  | 1960380 |
| tgcttctgt   | gacagaaacc | gtaagttccc | gctcatgggc  | aaatgatctt  | agcgtttctg  | 1960440 |
| tggttattca  | gttgcatatg | ggattgggta | agaaaaaata  | aaagcaaaaa  | ttttccccag  | 1960500 |
| ccggaccaca  | atccagctgg | ggaaaactat | aaccagaaac  | cggaaagata  | attaaaagaa  | 1960560 |
| gtaactactt  | aattatcctt | ggtatattct | tcgatgtcac  | gaatggcctc  | ctttgcttta  | 1960620 |
| cgccggacac  | gaatacaatg | taaaatacct | ccgacagctc  | ccaaaacaaa  | gccaacactt  | 1960680 |
| cctccgtagc  | atatcatttc | gcctccaact | ttcgataaac  | tttcaaacat  | aaaccaaaaca | 1960740 |
| atccagcaca  | aagcaaacgg | aatgccgaaa | taaagccact  | tcaaattcag  | ttggttcata  | 1960800 |
| cgtaaccaacg | ctttactgat | atccagcaaa | ttgcctgccg  | atatacaatc  | tagactaact  | 1960860 |
| cccttggtgac | tatatcgctg | ataaaatccg | gctataatta  | aaaagacaga  | agtaaagagg  | 1960920 |
| cagaaaatcc  | acgaatatcc | catcagcaag | aaaaatgtat  | tacaataaac  | aagtgcaaaag | 1960980 |
| actatcaaaa  | aatacatgaa | cttcttcttc | cggttgatat  | aggaaacctt  | gtcctgtgta  | 1961040 |
| gaatgtctga  | ttaacttctc | actaacaatt | atttcttttg  | caagcttatc  | cttcagcaac  | 1961100 |
| tgaatctgct  | gcttcatctc | gtctaactca | aatttatctg  | tataattttc  | catgatagta  | 1961160 |
| cattttaatg  | gttcgacatt | tttttcaatt | cctccttgat  | acgatacaaa  | cgtacagata  | 1961220 |
| cgttcttggt  | agatattccg | acaatggctc | ctatttcttc  | gtagctcatg  | ttttccaacc  | 1961280 |
| ataacaaaac  | gatagcacga | tcgaaaggat | tcaaccgggtg | aatacgggtcg | tagagcagac  | 1961340 |
| gaatctgtcg  | ggaactttca | tccttatctt | caaacagatt  | gatgtccata  | gtcagaggaa  | 1961400 |
| caacagccc   | ccttttcttt | ttccgttcgc | atgaaataca  | agtattaaaa  | ctcactttcc  | 1961460 |
| aaatccatgt  | attgacgttg | ctgagattct | tgaaagaatc  | atatcccttc  | caaagattga  | 1961520 |
| taagtacttc  | ctgaaagaga | tcgctcactt | catcggaaatc | tttcgagaac  | ataaaacaca  | 1961580 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| ctgtataaat  | ggtactttta  | tgttccttta  | ccatttgcgc | aaatgctgta  | tctaataattt | 1961640 |
| ccatatcgta  | tgaattttatt | ttttaacat   | tagacgccta | tactatcaca  | aaaactacac  | 1961700 |
| aaaagtagat  | acttttttaa  | gaagatataa  | aaaaacagct | tttaagaaag  | aatttggtcc  | 1961760 |
| gaatatcata  | gcccgccttc  | agcaaagcct  | ataacgatat | cattacaatt  | tattatatga  | 1961820 |
| agaaaaaaga  | aaagaatctg  | ctctgtcaaa  | aaaataaaac | tttatcggt   | aaatattaca  | 1961880 |
| gctccattga  | actcctctat  | cagacctttt  | acccttagaa | acagaaaaac  | tacacaaaaa  | 1961940 |
| aaatccctgt  | aaaacattga  | ttttacaggg  | attagcttaa | aaatttgcg   | agagacaggg  | 1962000 |
| attcgaaccc  | cgggtacctc  | gcagtacaac  | ggttttcaag | accgccgcaa  | tcgaccactc  | 1962060 |
| tgccacctct  | ccaaaactct  | tttcaggagc  | gctttctttc | aaaagcgatg  | caaagggtacg | 1962120 |
| gatttttttt  | taatattgcaa | attttaaaaca | acataatttt | aattcaggct  | atattattcc  | 1962180 |
| tttaaaaaat  | gtacatttgc  | atatcattat  | agatagagaa | aaatagtaat  | tttatcagta  | 1962240 |
| ttaaaaatac  | gtcaccgaat  | ggaaagcatt  | atcgcaaaac | ccgaaagaga  | gcaaattcatt | 1962300 |
| gctctgataa  | aaagagaagt  | agttccggca  | atcggctgta | cagaacctat  | cgccgttgca  | 1962360 |
| ttatgcgttg  | ctaaagctac  | agaaactctt  | ggctgtcgcc | ccgaacacat  | caagggtattt | 1962420 |
| ctgagtgcta  | atatcctgaa  | aaatgccatg  | ggagtgggca | tcccaggaac  | agacatgatt  | 1962480 |
| ggtcttccta  | ttgccgttgc  | actaggagct  | ctgataggca | aatcagaata  | tgaactggaa  | 1962540 |
| gtactgaaag  | acagtaaccc  | aacggctgtt  | gaagaaggaa | aaaagatgat  | cgattcgcaa  | 1962600 |
| tgcattgaca  | tcgcgttaaa  | agaaaacatc  | gaggagaaat | tatatatcga  | aacgatctgt  | 1962660 |
| acccatggca  | atgattcggc  | aactgccatc  | atcagcggcg | gacatacaaa  | ctttgtatat  | 1962720 |
| gtaagtcgta  | atcaagatgt  | catcttagac  | aaaagaactc | ctcaggcatc  | tgaagcacag  | 1962780 |
| gctgctccgg  | tggaactgac  | cttacgtaaa  | gttttcgatt | ttgccactac  | ggccccactg  | 1962840 |
| gatgaaatac  | aattcattct  | cgaagccaga  | cgcttgaaca | aaagtgtctg  | cgaacgttct  | 1962900 |
| tttcagggaa  | aatacgggtca | tgaattaggc  | aagatgctga | gaaacagcaa  | gactgagaaa  | 1962960 |
| aacattatgg  | gtaacaatac  | cttcacacat  | atcttgtcgt | acacttctgc  | tgcttgcgat  | 1963020 |
| gcccgcattg  | caggtgccat  | gattccagta  | atgagtaatt | caggcagcgg  | aaaccaaggt  | 1963080 |
| atagctgcta  | cattgcctgt  | cgtagtctat  | gcagaggaca | accataattc  | tgaagaagaa  | 1963140 |
| ctgacaagag  | ctcttatact  | cagccacctg  | acagccatct | acatcaagca  | aagtttagga  | 1963200 |
| cgtctgtcgg  | cactatgcgg  | ctgtgtggta  | gcagcaactg | gtagcagttg  | cggtattaca  | 1963260 |
| taccttatgg  | gcggaggata  | ccagcaggta  | atgtatgccg | tacagaatat  | gattgccaca  | 1963320 |
| ctgaccggca  | tgatctgcga  | cgggtccaaa  | cctagctgtg | cacttaaaact | gaccagtggg  | 1963380 |
| gtgtcgactg  | ccgtcatgtc  | tgccatcatg  | gcaatggaac | aaaaatgcgt  | cacctcggtg  | 1963440 |
| gaaggatatca | tcgaggaaaa  | cgtaaatcag  | agtatccgca | acctgaccaa  | gatcggttcg  | 1963500 |
| gaaggatatga | atgaaaccga  | caagatggta  | ctcgacatca | tgactcacia  | acattgtgac  | 1963560 |
| tgaccagtga  | tgtaaaaacg  | ataaagaaac  | ggctgttttt | cgcaaaagat  | aacggatttt  | 1963620 |
| ttacgagaaa  | acagccgttt  | ttcattttact | ttgcgccgtt | atgaaaacga  | atacgaatac  | 1963680 |
| acaatatctg  | gaaaagctga  | tatccgaagg  | ggaacatata | catcaggatt  | ttaaattttgc | 1963740 |
| gatatccgac  | gcaaggaaaa  | tagccaaaag  | tctgtctgca | tttgccaata  | cagaaggcgg  | 1963800 |
| aagattactg  | gtcggagtca  | aagacaacgg  | gaaaatagcc | ggtgtacggg  | cggaagaaga  | 1963860 |
| gttatatatg  | atagaagcag  | ctgccaattt  | atactgccgt | ccggaggtag  | agctcgatac  | 1963920 |
| ccgcatttat  | catgtggatg  | gaaaggacgt  | attggaagta | caggtaaacc  | aaagccagca  | 1963980 |
| gaagccgatt  | tacgcatttg  | atgaagaaaa  | tcgtccatgg | gcttacgtcc  | gcatcaagga  | 1964040 |
| cgaaaacatt  | ctagctaacc  | cgattcattt  | gaacatctgg | aagcacgacc  | gtgcagaaaa  | 1964100 |
| agacgttgct  | atgacctata  | cccagcggga  | acagcaggta | ttgacgattc  | tgcaacagca  | 1964160 |
| tgctcccctt  | accctgggac  | aatgcagccg  | ccttaccat  | atgagccgga  | aacagatcag  | 1964220 |
| ccgcctgctt  | gccgacttta  | tccgcttcgg  | tctggtagag | caacgcttcg  | tggaacatac  | 1964280 |
| attttatttt  | cagcttaaa   | acagcgaata  | aaaaagaacg | aacaaaaaga  | ttttctatct  | 1964340 |
| ttgtacgcaa  | ataaacaatt  | tatataatta  | tgagcatatt | ttctaaaata  | ttcggaagaa  | 1964400 |
| aacaagcctc  | ggaaaccgac  | gaaactgtac  | gtgtaggagg | aatggaagat  | ttcatgacgc  | 1964460 |

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|-------------|-------------|------------|-------------|------------|-------------|---------|
| ttatacgcgt  | atactatcag  | tcggtcatgg | cagcacaact  | cggcattagc | aatatcaact  | 1964520 |
| ttctgcccga  | catggcagta  | ttcaaacgca | cgcttaagat  | tcctacccaa | aacaacaagt  | 1964580 |
| taggaattgc  | cgaacgttcg  | aagtgtaaaa | agatgttgag  | cgatatctat | ggcctggacg  | 1964640 |
| atatattctt  | caaagaaata  | gacaattcca | ttaagaagaa  | ctgtaagaat | gtgaacgata  | 1964700 |
| tcaagaatta  | tctcttcatt  | ttccaaggat | tcagccagga  | cctgatgatg | gtaatcggca  | 1964760 |
| acctgatgca  | atggaaattc  | cgtatgccgg | gagtatttaa  | gaaaatgttg | cgcagcatga  | 1964820 |
| cggaaaagac  | cattcacgat  | atcctgacga | aaacagactg  | gaaggatgac | ggtgtgacga  | 1964880 |
| agacttgta   | caacatccgc  | atttacctgc | atacattagg  | ctattctgaa | agctggatga  | 1964940 |
| ctgaatatgt  | ttacaacatc  | gtgctgctgg | ccaaaaaaga  | acctaagcct | aaagcctgat  | 1965000 |
| tgacaattcc  | atggatacag  | aaaagattat | tccgcctgta  | gaagctcacc | cgctggagcc  | 1965060 |
| ctttctccct  | gctaacgccg  | tgttgctgat | gctgggtagt  | ttcccaccgc | aaaagaagcg  | 1965120 |
| ttggagcatg  | gacttcttct  | accctaacct | gcaaaacgat  | atgtggcgca | ttttcggaat  | 1965180 |
| aatctttttt  | tccgacaagg  | accactttct | gcatcccgcg  | aaaaaggcgt | tcgacaagga  | 1965240 |
| acgtatcata  | caattcctga  | acgaaaaggg | aattgctctg  | tatgataccg | cctcagccgt  | 1965300 |
| acggcggttg  | caggacaacg  | cttcagacaa | gtttctggat  | atagtagaac | cgactgatat  | 1965360 |
| cgatcttctg  | ctgaaacagc  | ttcccaactg | ccgggcaatt  | gtaacgaccg | gacagaaggc  | 1965420 |
| aacagataca  | ttacgacaac  | aaatagacgt | agcagagcct  | cctatcggag | gaaaatctcc  | 1965480 |
| cttcgaatac  | gccgatcgta  | cactttatct | gtaccggatg  | ccgtcgtcca | gccgtgccta  | 1965540 |
| tccactgaag  | attgaaaaaa  | aagcagaaac | atataaactc  | atattcaaag | acttaggttt  | 1965600 |
| aatataggaa  | agaacgtcta  | tatttttatc | gaaaagcatt  | tgcagatata | gaaaattata  | 1965660 |
| gtacctttgc  | aaccgcaaac  | acgggaatag | ctcagttggt  | agagcatcgg | tctccaaaac  | 1965720 |
| cgagtgtcgg  | gagttcgagt  | ctctcttccc | gtgccgagat  | aaaaagctgt | aactcaaaaa  | 1965780 |
| gttgacagctt | ttgttcgttt  | ataagccaaa | cagaagtcgg  | acaatcgaat | ttctttcaac  | 1965840 |
| tacatttgct  | aaacagacaa  | ggcgaagtat | cttcaagcaa  | gccgaacctt | atattttttt  | 1965900 |
| tgtacaaaaa  | aataaaatgt  | tttgtacaaa | ttttcagaaa  | agaccgagag | gtttttctact | 1965960 |
| aatcatctcc  | aagaaaatca  | tgacacttct | ttttgtttct  | tgaattttaa | agcacatcca  | 1966020 |
| cattccttac  | cgcccaaccc  | agcaagaaaa | aagcatgttt  | cctatcggaa | taaaaataaa  | 1966080 |
| gagaggctat  | cctgactatc  | cagaacagcc | tcccttcaaa  | ggtaaaaatt | atctcaaatt  | 1966140 |
| acttcaagcg  | agccaaagtt  | tctttgatac | ggcgcataga  | ttccacgatg | ttttcgctcg  | 1966200 |
| aagtagcgta  | actcatagcg  | atgcattcag | gagcaccaaa  | tgaagtacca | cccacacatg  | 1966260 |
| ccacatgacc  | gacttcgagc  | aaatacattg | ccaggctcgt  | tgcattattg | attacacggt  | 1966320 |
| cgccatcctt  | cttgccgaag  | aaagaatcgc | atttcgggaa  | caaatagaaa | gctccctgcg  | 1966380 |
| gaacattcac  | ttcgaatcca  | ggaatttcct | tcgccagttt  | cacaatcagg | tcacgacgac  | 1966440 |
| gttcgaaagc  | ctgacgcatt  | tcttctaccg | gagcctgagt  | acctgtatag | gcagcttcag  | 1966500 |
| cagctttctg  | agaaactgag  | caaggtccag | aagtatattg  | tccctgcaat | ttattttacgc | 1966560 |
| ctttcacaa   | ccattccgga  | ccagcgatga | aaccaatacg  | ccaacctgtc | atagcatagg  | 1966620 |
| cttttgatac  | accgttttaca | atgactacac | ggtccttaat  | ttctgcaaac | tgagcgatgc  | 1966680 |
| tctggtgttt  | tccgatgtaa  | ttgatgtgtt | catatatatt  | gtcggcaatt | acaatgacac  | 1966740 |
| gttcgtgctt  | agccagaacc  | tctgccagac | ccttcaactc  | ttcctgagaa | tatacagaac  | 1966800 |
| ctgtcggggt  | ggacggagaa  | caaagaatca | gcgcacatgt  | cttcggagta | atagcagcct  | 1966860 |
| cgagtgtcgc  | cggagtgttt  | ttgaagtcct | gttcgatacc  | ggcacgtacg | ataaccggag  | 1966920 |
| ttccttcggc  | caacttcacc  | atttcgggat | agcttaccca  | gtaaggagca | ggcacgataa  | 1966980 |
| cttcgtcacc  | cttattaatc  | aaagccagaa | tcgtgttgca  | aacagactgc | tttgcaccgt  | 1967040 |
| ttgcacagct  | aatctgagca  | gcagtatatt | ccaaaccggt  | ttcgtttttt | agtttagcaa  | 1967100 |
| cgatcgcatt  | gcgcaaagct  | ggatatccgg | ctacggggaga | ataacgagaa | tagttttcat  | 1967160 |
| cgatagcttt  | cttggcagct  | tctttaatgt | gatcggggagt | attgaaatcg | ggttcgccga  | 1967220 |
| cacttaaatt  | gattacatca  | acacctgtgt | ccttaagtgc  | actacttttt | tgtgacatag  | 1967280 |
| ccaatgtcgc  | cgaaggtgac  | aagctattta | aacgatctga  | aagttgattc | attgcctttg  | 1967340 |

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|            |            |            |            |            |            |         |
|------------|------------|------------|------------|------------|------------|---------|
| ttttatttag | ttcataat   | tatgcaa    | aaatcgt    | cttttaa    | gaaaaag    | 1967400 |
| ttgcttact  | tctgtcat   | agcaggcg   | gcaagtaa   | gaaaagatt  | ataaagtc   | 1967460 |
| gatacagcg  | catggcac   | atcagtgc   | tcttctgt   | agactcg    | acctctata  | 1967520 |
| cgtctgcgg  | aagcaact   | ttgatttt   | gtgaatcg   | agctgtc    | cccacaaaa  | 1967580 |
| gcaagactc  | tacgcaag   | ataatcag   | ccatcatc   | gttgtgc    | aacatattc  | 1967640 |
| ccagcgaa   | gatgataa   | cctatcac   | ccataatg   | cagattacc  | atacggcta  | 1967700 |
| gatctttct  | cgtcacata  | ccataaagg  | ccatgacag  | aaaagttc   | gccgtaaca  | 1967760 |
| agaaaagta  | tgctataga  | ctcatgg    | aaataagg   | aataaatg   | agtgttac   | 1967820 |
| cgttcaata  | agagtatg   | ataaacaga  | cagtagcgg  | gctgaaag   | attttatt   | 1967880 |
| tccgggcag  | caaatacc   | accagtcca  | gttctgca   | gatcagtac  | cagaatgcc  | 1967940 |
| tcgaattct  | cataatcat  | gacagcagg  | tgtacgatt  | tgctacata  | atagaaaca  | 1968000 |
| agcctgta   | gaccaagg   | agtgtcat   | atgtatac   | actacgc    | aaagctgt   | 1968060 |
| gaacagcct  | ggaggcata  | gtcttaata  | aattattcg  | ttccatcat  | aaacttg    | 1968120 |
| atttattaaa | atgcaacg   | tgtcccata  | ggtcttttt  | cgtatgcag  | taacgttc   | 1968180 |
| tatattttat | cggagta    | tcgatagg   | cattttctac | aatctccag  | ccgtaagct  | 1968240 |
| ccagtccgac | acgcttcac  | ggattattg  | taagcagac  | cattttatg  | atgccgat   | 1968300 |
| cacgtaaa   | ctgagcac   | acaccatag  | cacgttcac  | tgctgatgt  | cccagacag  | 1968360 |
| tattggcgt  | aaccgtat   | ataccttct  | cctgcaact  | atatgcctt  | attttttcc  | 1968420 |
| tcagacca   | gccgcgac   | tcctgaatc  | gataaata   | ggctccctg  | ccttctttat | 1968480 |
| caatcatct  | catgcctta  | tgaagctgt  | caccgcag   | acagcgcaa  | gagccgaag  | 1968540 |
| tatctcccg  | agcacacg   | gaatgtac   | gtaccagt   | cgcttcac   | ggttcaa    | 1968600 |
| cgccctta   | caaggcaac  | tgttccag   | cgttacttt  | ctgacgga   | ggtatcag   | 1968660 |
| ggaaaatgt  | gaattcgg   | ggcatatcc  | cttctact   | tttttctac  | agcgattc   | 1968720 |
| gcttcaa    | ataagcaat  | aaatctgca  | ttgaaatc   | tttcaatcc  | tattcatcg  | 1968780 |
| ccattttac  | aagttccg   | aggcgggca  | tcgttccg   | ttcgttcata | acttccat   | 1968840 |
| atgcaccag  | cggataca   | cctgccagt  | tagccaa    | gatgcaag   | tccgtatgt  | 1968900 |
| cggcacgac  | caatacgcc  | ttatcctgt  | catacagcg  | attaatgt   | ccgggacgt  | 1968960 |
| cgaatgttt  | cgggtctgg  | gcaggatcg  | caagtgcag  | aatcgtag   | gcacgatcg  | 1969020 |
| cagccgaa   | gcccgtag   | catccttcc  | gtttatca   | cgtaacgg   | aacggagtt  | 1969080 |
| ctaacattg  | tgtattgtt  | gcaacctg   | gtggcagg   | aagttcttt  | caacgtgata | 1969140 |
| aagtaatag  | agcacagag  | actcctctg  | catgcttca  | cataaagtt  | actttttcg  | 1969200 |
| gagtaatca  | ctccgcag   | ataattaa   | cgccttcgt  | ttcacgat   | tcatcgtcg  | 1969260 |
| caacgacta  | gaattcac   | ctgcgaaa   | cttcgattg  | ttcttcaac  | gtatcca    | 1969320 |
| tgatcttgc  | catagtgt   | ttattgtaa  | tataattgt  | gatttctt   | ttgttctat  | 1969380 |
| atactttgat | tgtttttg   | aatcagtc   | aaatcttt   | ccagccga   | ccggtatcg  | 1969440 |
| cagatattc  | gataaagca  | taatccggc  | ggtatcaca  | taccaacag  | caagttcag  | 1969500 |
| cagcgattg  | cgaacagg   | cttatgtgt  | ttaaccgac  | ggaagggata | attgttcag  | 1969560 |
| aagttcagc  | aaacagcat  | tttggtatt  | gacagctc   | cgataacag  | ctccatctt  | 1969620 |
| ttattgatt  | cggcaatcg  | gtcatcatg  | ttgttgttg  | taaatatct  | aacataatt  | 1969680 |
| ggcattcc   | tcaggcgg   | attctccag  | tataccgt   | agtcacgg   | gatctcttc  | 1969740 |
| agtatttcta | tatctttct  | gtattcggg  | gtatgaatg  | tgacttcct  | cttgaacag  | 1969800 |
| tgtctggact | gacgtatt   | aaacaactg  | cggaagaa   | cagcatata  | atctatatta | 1969860 |
| aacaccacc  | aatctttat  | cgatttata  | gtaaagaa   | ctcccaatg  | tgccagtac  | 1969920 |
| atagtactc  | tccacgtac  | caaaacaata | ttcatttc   | cgctcttgg  | tacacgagt  | 1969980 |
| gctccggag  | cgatgatata | ataaatcac  | aaaatcaata | ccgaaataac | aaccggcatt | 1970040 |
| cctagtccac | cttttcga   | aatggcccc  | aaaggagct  | cgataaagaa | gaatataata | 1970100 |
| catgccaat  | acagcgta   | cttcttatg  | cagtcgga   | ggtgtgaac  | gatattatta | 1970160 |
| tcggtatct  | tggtaaagg  | actcttcata | tcccagtc   | aagccagtga | actcatccg  | 1970220 |



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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| ttaccggtcg  | ttgtcaatac  | cttcagtttt | tcctgagaag  | tcattggagtt | atagatacta  | 1970280 |
| tctgtattaa  | taacagaaac  | cctctcttct | ttcatttttg  | tagaatccgc  | cggagtcaaa  | 1970340 |
| accggagttc  | ggtaggtagt  | agacataata | tcggaataca  | tcgaccgtcc  | cacactatcg  | 1970400 |
| gcataaacag  | tcagtgaatc  | tattgcgacc | gatatctcat  | gcataattctt | gatatcggaa  | 1970460 |
| cgacggtcca  | agaaactgcc  | gtctaccata | ttaaactctg  | aactgaactt  | tatcagcgta  | 1970520 |
| tgcttctctt  | tgaatgtttc  | ccgacgatac | ggtacattac  | gtgaaatgac  | agactgcgat  | 1970580 |
| ttcaagttct  | cgaattgttc  | tccattatac | aaatgaagaa  | acaaatgttg  | cttatcggct  | 1970640 |
| gtcagttcca  | gtttaccttc  | tgccgcccac | atgatatggg  | catttttcaa  | gccatccgag  | 1970700 |
| aaattataga  | taagcacatc  | cttcagcata | cctgtcttac  | ggtctttctg  | cttcacataa  | 1970760 |
| atgttatatc  | catcgatata  | actataaaa  | acaccttcgg  | gtatatctac  | ttcgggagat  | 1970820 |
| ttctgcttca  | tagaaaccag  | taaagtccat | aattgtttct  | gtgcccttgg  | tccgataata  | 1970880 |
| ttctgaaaga  | agaatgacat  | acctcccaga | aaaacacaga  | acagaacgac  | cggccggata  | 1970940 |
| atacgcaaca  | gtggaattcc  | cgccgctttc | attgacaaca  | attcatatcg  | ctctccgaaa  | 1971000 |
| ttaccaaaa   | tcataaatgc  | tgccagcagg | atagctagag  | gaagagataa  | aggaatcaaa  | 1971060 |
| gtcagaccag  | aatagaaaaa  | gaactgtgca | agtacattta  | tttccaaccc  | cttccctacc  | 1971120 |
| agttcatcta  | catatctcca  | taagaactgc | atcatgaaga  | taaataaaca  | gatgaaaaaa  | 1971180 |
| gttcctgcaa  | agagcaataa  | aaagctcttc | agcacaaaata | tatcaagttt  | ttttatgcgt  | 1971240 |
| agcattccct  | atattatcat  | tatagcgcac | aaaagtagca  | taaaaaatgg  | agaggagaac  | 1971300 |
| gatgttttat  | attatttttg  | gaattacacc | ccacatattc  | ttctcagaat  | ttctatttga  | 1971360 |
| gaatcccata  | aatttttagt  | atcttcttcc | tcttcaggaa  | cagtaaaatc  | agtaacttcc  | 1971420 |
| aaggaatgg   | ctttcgtcag  | ctcattataa | tgtattttta  | attcgaaata  | cgtccgtggc  | 1971480 |
| tcttcgtcct  | cccaatggaa  | acgaataaaa | gattcggtag  | gcaaattaag  | gacctccgca  | 1971540 |
| ttgcgagttt  | cggttttccc  | ccatttgaac | gtataagtct  | tatccacttt  | cgacacatta  | 1971600 |
| tcagcaaaacc | atctttgcaa  | accagaagga | gtactgatag  | ctcccaaag   | aatagttcca  | 1971660 |
| gaagcaggat  | ttaaaggata  | ttcgatacgt | atcttctttt  | tcatagattt  | catttcttta  | 1971720 |
| caatttttaag | atattaagca  | atacttcggt | aaattttttac | cgataaatta  | aaattaaaca  | 1971780 |
| tagaatcggc  | ataatccggt  | tcaaaattat | attcaagaga  | tcattgaaat  | actgtcaaga  | 1971840 |
| ataaatcgtc  | aaggagtaag  | aaaagggatg | aaaaagatat  | gctaaacagc  | tgaaaatcaa  | 1971900 |
| cagaaaaagt  | atttcataat  | tactgtattt | ttagtaaaatt | agaagtactt  | caccactttt  | 1971960 |
| aattatgact  | aaagaatcac  | tccttatgca | ataccaatcc  | gagtgcagaa  | acgctctcga  | 1972020 |
| atcagctgta  | aatataagca  | aatcttttca | gaaagtattc  | atggatgcaa  | tgaaattatt  | 1972080 |
| catggctata  | cctgaccgca  | tcaatttcct | acaaatggga  | cggataggat  | gtttctcggg  | 1972140 |
| acagacatac  | cgcaacaatt  | ttgagaacga | cggctttgac  | tggttttcct  | tcaatgaagc  | 1972200 |
| catcatcagg  | gaacacctta  | aagggtggtc | caaggcgata  | gccgttgatc  | cgtctttcat  | 1972260 |
| tccaaaatca  | ggcagcaaaa  | cgccgtggat | tggctatttc  | tggtccggtt  | gtgccggtga  | 1972320 |
| atacaaacgt  | ggactggaaa  | taaccggtat | tggagttata  | gacgttgaca  | accatgaatg  | 1972380 |
| tatgactttg  | ggctctgtac  | agacacctga | caacgcaacg  | ctggaaagct  | gtgagaagaa  | 1972440 |
| tcttggtgac  | tggtacagct  | cttaccttat | cagcatacag  | gaacagctga  | aacgtatttc  | 1972500 |
| tggcacagtc  | gtgtgtgatg  | cgttcttttc | aaaggcaact  | ttcatcaaac  | cattgtacga  | 1972560 |
| taacggtttc  | cacgtaataa  | gccgtttcag | gaatgatgcc  | gtattgtttt  | atcccacctt  | 1972620 |
| agaaaaatagg | acagggaaaac | gcggacgtcc | aaaattacat  | gacgagaaaa  | ttgactttga  | 1972680 |
| aaatctggac  | atcacaagat  | gtaccgagta | caaagtgaac  | aagggtaaac  | tttacggact  | 1972740 |
| gaaagcatac  | tccaaagcac  | tcaaacgctt | tgtgagcctg  | gctgtatggg  | accccatgga  | 1972800 |
| tggagaagacg | gacaaatggc  | agctgtattt | ctctacaaac  | gaaatacaga  | acgcacagga  | 1972860 |
| tgtcctggac  | ttttacagaa  | cacgtttcca | actcgaattc  | tgctttcggg  | atgccaagca  | 1972920 |
| acatgccgga  | atagcaaact  | gtcagtctac | agacttcagg  | aaactggcat  | tccactttta  | 1972980 |
| tgcatacactt | gcagcgataa  | acctcgccaa | ggctgcctgt  | aagaagatgg  | gaataaaaata | 1973040 |
| ttccatatca  | tcatagaagt  | cagtcataca | caatgcttac  | atgcttgaac  | gattttatttg | 1973100 |

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|              |             |            |             |             |              |         |
|--------------|-------------|------------|-------------|-------------|--------------|---------|
| cgtgtctggg   | attgaaccaa  | acacgcaatt | aattgacaaa  | cttttcaaag  | aactcatttt   | 1973160 |
| atttactgcc   | agagccgctt  | aggctgggct | aatttttaac  | gaactattga  | ttaagataac   | 1973220 |
| ggcgacaaaa   | taaaccattt  | ttttgtatac | tacataatga  | atcgtatttt  | tttactaatc   | 1973280 |
| aaccttagaa   | tatcttcaac  | agaaaaataa | aaatagagta  | aaacgaaaaa  | aaactgtgtt   | 1973340 |
| atgtattgca   | caattaaaaa  | acttaactta | cctttgcacc  | cgcaaacgaa  | aaacaaatgg   | 1973400 |
| cgggatatagct | cagctgggta  | gagcgcatga | ttcataatca  | tgagggtccc  | ggttcaatcc   | 1973460 |
| cgggtcccg    | tacgagaaaa  | atttgcaaca | atatttttat  | aaaatgatgg  | cgggatatagct | 1973520 |
| cagctgggta   | gagcgcatga  | ttcataatca | tgagggtccc  | ggttcaatcc  | cgggtcccg    | 1973580 |
| tacaaaagttt  | aaaagcttag  | atataaggca | tttgggaggc  | ttccactcct  | gggtgtcttt   | 1973640 |
| tttgtttata   | taacctttgc  | tgatcttaca | ttagcctgaa  | aaggtaagat  | aaaaatttcc   | 1973700 |
| gaacaacatg   | ctcagcacag  | gatatacgac | aaaagggata  | atcgacccat  | cggtgactat   | 1973760 |
| ccctttcttc   | acaaattaga  | aagattat   | agagggtgtt  | ttggggtagg  | tactatttat   | 1973820 |
| taaatctctt   | tcggcaatag  | aacgtaagaa | aactcaaaag  | aaatctgaac  | aactatgtta   | 1973880 |
| aaatcaaaaa   | gtcaaaaaaca | acatccctat | ataatcctct  | catttgatat  | catcataagc   | 1973940 |
| tgcaatagct   | ttttcaaaac  | gtccatttac | atcctcgaaa  | gaatacagcc  | cgtcagcatt   | 1974000 |
| caacttcaag   | cccttcaact  | gtaactgata | gaccatagga  | gaatgatcta  | aatcaagcat   | 1974060 |
| ttcaatattt   | ctcaattgct  | cgggtgtctg | atacaccaga  | tttatagcaa  | caaactcatt   | 1974120 |
| ccccgattta   | tctatccatt  | tctcgaaaac | cagcttactg  | ccgatagggtg | tcttcttttc   | 1974180 |
| tatggaagaa   | ggcaattcat  | aatcctcaac | ttccaatgca  | gcattcacac  | ttgcaatatt   | 1974240 |
| cgaatcgtgt   | ccgcataaga  | aagtaaactt | acgcacatcg  | gaattaagtt  | catcattcat   | 1974300 |
| atagaccagc   | aacgggtgag  | ccacattata | tgcaacaaca  | ggtgcggtaa  | acaatacatc   | 1974360 |
| tccgtacaca   | tcctttatac  | gggcaatttt | ctcccaatcc  | gaaatagaga  | tatcgtgacc   | 1974420 |
| gaatgcagct   | ttctgtgcat  | ctgcttcctc | ataatactgt  | aagatgaaag  | catcggaagc   | 1974480 |
| cgaattggca   | agcttcaagg  | cacccttcat | ggcagggtcc  | tctcccttct  | tcaggataat   | 1974540 |
| ctgtgtatca   | taatcatcga  | aagcacaagt | ttctccagac  | ttacaggcag  | gagagtcctt   | 1974600 |
| caagtcaagt   | acatcagcga  | taatgcggta | tgaatcttca  | agccctcat   | taatacctcg   | 1974660 |
| tatccctttc   | ttgcctccca  | ttgcggcgat | ctgattcatg  | gcgtcggaac  | aaaatgcctc   | 1974720 |
| acttaccttc   | gtcagacgag  | ggaaaaagac | tggtatccatc | ttactgggag  | cataccgatg   | 1974780 |
| gcgaatagca   | acattgggcta | ccggcataaa | accgatgaa   | aaatactgag  | cagtcgctat   | 1974840 |
| ggtacgttgc   | atactattag  | cgtaaaaatt | cacttcatcg  | gcattgggca  | cataattttc   | 1974900 |
| ggtaaacagt   | ccttactgta  | ccagccattt | acgaaagaat  | tgtcccatca  | tggtttccag   | 1974960 |
| caccccgcca   | cgcaatgtca  | gttacttgga | agcggcactc  | cagtttgtcc  | agcgatgagg   | 1975020 |
| agtcagtta    | cccaaagtac  | ttccattatc | cgacaaggga  | gaacggatat  | tatgccgact   | 1975080 |
| caatataacc   | acttccctta  | aggtatactt | ttccttaaat  | tcaggagagc  | gtttggtttg   | 1975140 |
| tgcccacaca   | aacgatgggc  | acacaaacat | taagagcaac  | aatgacaaat  | tagttacact   | 1975200 |
| tctcatatca   | ttaatat     | aaaagtcac  | agtttcaaac  | ctgtcggaaa  | cgtacatttc   | 1975260 |
| catcaatcag   | aacttaatct  | gcaaacgcgt | ttcaataagt  | cctaattttg  | tattcggcgt   | 1975320 |
| attgatacgg   | tctgtgttag  | ttgtgtacga | accacgtaca  | cgccagatca  | tatacttatt   | 1975380 |
| gatataatag   | ttgaatgtag  | ccgaccagtc | attcagtcta  | cctcccagca  | cctcagcctt   | 1975440 |
| atgatcggac   | atatccgtat  | agttgtacga | aagaacaacc  | tccatagaac  | ccggatcagg   | 1975500 |
| agttgcaata   | ccaccatcca  | agttggcata | cttataattc  | ttacctttta  | ccaatgcacg   | 1975560 |
| gattgtacca   | taagcaccac  | tcgccttgta | acaaggtttg  | tccttcgggt  | tcacattcac   | 1975620 |
| gtaaaagtac   | tgcgtttcca  | gtcctacacg | tcctattgca  | gcagtcagtt  | caggagtaaa   | 1975680 |
| tttatacaac   | atcttagcat  | catcaataac | agcttcctgc  | gcaacaactt  | tcgcgattcg   | 1975740 |
| tgtagggaaa   | gtagtcgaca  | aggtatacga | atgatgactc  | agttccttat  | ccgaactata   | 1975800 |
| acgaggtgtt   | tcaaacgctc  | ctgaaaggcc | cacatggaag  | atctttcccg  | gctcgcaaaa   | 1975860 |
| cggcttataa   | accagtcgag  | tcatcatacc | cacaccttgg  | tttcccagct  | tgtcagaagt   | 1975920 |
| catcttcatg   | gcatccgatt  | ccgtaaaaga | gctcagtgtg  | cccaagaatt  | tactccgtgt   | 1975980 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atgctgatac  | atcaagccaa  | tcatacgtga  | attattgaaa  | gcctgggttac | ttgccgggttc | 1976040 |
| ctccattgaa  | atthttgaaag | aagagcttgt  | cgcactctgc  | aagccaaact  | gatggatgaa  | 1976100 |
| atagccggca  | cgcaaaaagt  | cggcagcttc  | cttatcaaaa  | ttatattgaa  | caaacacatc  | 1976160 |
| cttcatgttc  | acctttccgt  | atgcatatcc  | catatccacc  | tttgctttcc  | acgcgccata  | 1976220 |
| cgatgcactg  | aagcccactc  | gcatatcggg  | aatagcaaat  | ccatcattaa  | atttatcatc  | 1976280 |
| ctgtccgtcg  | gctttaaaaa  | ggcctccgtc  | gagcaatata  | cgtccggaag  | gtttaatctc  | 1976340 |
| cagtttctct  | tcctgtgctt  | tcgcaccaca  | gatcatagtt  | aagcctaaag  | tcaataaaag  | 1976400 |
| taatcgtttc  | atagtatcaa  | attatagtta  | acctattcgt  | tttacagggt  | ggatttttaca | 1976460 |
| aggttaataa  | gtctagttht  | gttttgtgat  | ttttagaaat  | tcaaggattt  | acagggttgag | 1976520 |
| agcattagtt  | tttgaagtca  | ctttttgcca  | cttgtccctt  | acttaccagt  | tcagcaaatt  | 1976580 |
| ctttcttagc  | cttctccagc  | tgcttcataa  | agttttcatt  | cgcattgcaga | cgagccacaa  | 1976640 |
| ccgcactggc  | taccagtcgg  | gcagcatcca  | catcactctg  | gaagtgatac  | ccacagatta  | 1976700 |
| cacgactttg  | tcccatttcg  | tatccgcgtt  | tcaagatttc  | atthttgtctg | tccacattga  | 1976760 |
| tttcggcaag  | aacaagtgc   | gtagcccatc  | cgatagctgt  | gtggccagaa  | ggatacgaac  | 1976820 |
| catttgtaga  | aagtcctgc   | tgctgtctctg | gattacatgt  | catttcattg  | taaaatgcaa  | 1976880 |
| acggacgcac  | acgcatataa  | tgcacttttcg | cctcacgagt  | tgccagatca  | ccggcatcct  | 1976940 |
| cacgcatacc  | caatactagc  | ttatagattt  | cgggagtagt  | agttgccgaa  | atacgtacgc  | 1977000 |
| cgaaagcttc  | cgaaaacgca  | ttgggcactc  | cgtcaccatt  | tacacgagca  | tcttctgccg  | 1977060 |
| cctgatcacc  | acgaggagta  | tttctctgca  | actttcccca  | tttatactga  | gcctcatcgt  | 1977120 |
| tcataaacia  | aatagagccg  | ggttggtggcg | gagccggaag  | aagattcaga  | ctacttgcca  | 1977180 |
| cttcatctgc  | acgcaagaaa  | tacaagtccg  | gatttgttct  | tacatcttta  | atthtttctt  | 1977240 |
| gagcaaaaagt | tgcaactgct  | actaaagaca  | aacatgcaac  | gaaaagactt  | ctthttaatca | 1977300 |
| taattcttta  | aagtttaaaa  | aggttataga  | ttthtttgatt | tcgatgctgc  | aaatgtatgc  | 1977360 |
| caaggctccc  | agacaaaaag  | ttgcaaaaaga | ttatthtcggc | ttacagctta  | atgcaactth  | 1977420 |
| atacaaacat  | ctgtaaataa  | acgaattaca  | acaagcaata  | aggthttaaat | aaaataagcc  | 1977480 |
| gttctgttg   | cagtgaactg  | caatccacac  | ataaaatata  | ccaaggacaa  | aaaataatat  | 1977540 |
| tctgtaacga  | acctcgcacc  | ttacatagca  | agcgatttcg  | aaacacagat  | tgacagccga  | 1977600 |
| tggaacaaca  | gcaaaaccct  | gtatcttacg  | caacaagggt  | attctgggttc | ctcaaaaaaac | 1977660 |
| aaaaagagtc  | atatctcact  | cccctacaga  | aagctcgata  | caactcttht  | acacagtctg  | 1977720 |
| acagattctg  | cctgcctgaa  | ggctgggttat | gcccctaccg  | gacccaacct  | attctatcag  | 1977780 |
| acgcaagata  | taatagacca  | tactggtagg  | attagccttg  | acataatccc  | tcagccactc  | 1977840 |
| atgattcgtt  | ttcaatttat  | tatttaccag  | tcgactgatg  | accggattca  | gattthccata | 1977900 |
| aatacacaa   | attccgggaa  | tatgcagacg  | tttgacttht  | ggacaagcaa  | tcagcaaagc  | 1977960 |
| caatacttht  | gcaggctgat  | taccgaaatt  | agaaaaatcg  | agtaccccac  | tcagaattth  | 1978020 |
| cttatccgtc  | ttcaccatat  | tttcataaaa  | agccgtaacc  | tgctthttcga | tagactccgt  | 1978080 |
| aacccgacgc  | gtacattctg  | caatctccag  | gctcagaccg  | gtatcaaact  | ttcgggtaat  | 1978140 |
| ccgttcttca  | ttthtcttht  | ccaccgggtt  | gcgtatggaa  | gcatattccc  | ccatcaacga  | 1978200 |
| agcaatctct  | tccttaatga  | gcacctgcga  | aacatgacag  | tccaccggat  | acagcacctt  | 1978260 |
| cagcaattth  | acacgttcca  | gtccttgcat  | ttctctthtg  | atatgttcca  | gctccgccag  | 1978320 |
| cagagcatcg  | gtcactccat  | ccgaatccat  | ccgacgaagc  | ctthtctgtt  | tctcaaggat  | 1978380 |
| atattcatcc  | acagctctca  | gcgcacgtc   | cgtaaagata  | taccgataac  | attcatcgag  | 1978440 |
| gcatgcaata  | tccgcctcca  | gtgcggacaa  | ctccttgacc  | ttcagattat  | ccgtaagcgt  | 1978500 |
| atgcatcttg  | cgaaacaggc  | aaccattcac  | cttatctata  | cataccgtat  | ctthccatata | 1978560 |
| gtgccagtaa  | agcgctatcc  | gattcttcag  | accagcaatt  | gtctgaatcc  | actthtctgtt | 1978620 |
| thtctctacc  | tgcgccacaa  | tattctccag  | attgtctgtt  | gccagtgcc   | tacgagattc  | 1978680 |
| ttccagcaac  | gactccttht  | caaagacatc  | atactcgcct  | accgcctgca  | tctgccttht  | 1978740 |
| cagatacttg  | gaaagtccca  | atgcaatatc  | ccggttctth  | ttcataatct  | gctccgacag  | 1978800 |
| agatctgatc  | tgthtgcga   | caccgggagc  | atgtacatct  | ataccgccga  | ataattctct  | 1978860 |

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|             |             |             |             |             |              |         |
|-------------|-------------|-------------|-------------|-------------|--------------|---------|
| caaacggtcg  | acttcctttc  | catcgttttc  | gccggtaaag  | cgagccatgg  | aagacaaact   | 1978920 |
| ttccagcctg  | acaccgatat  | catccaagtg  | cattttttact | gctttttctt  | tactgcgctt   | 1978980 |
| ccttctgaaa  | tactccatga  | caataatcag  | catgacaaat  | acgacaaaag  | aaacgacaag   | 1979040 |
| caacagaagc  | tgaaggctcg  | gcaccgacga  | ttccatgtct  | accatttggg  | ctgaagtctt   | 1979100 |
| ggaaaatgcc  | cccattttca  | tgacaccaat  | attggaacc   | agatacaatg  | tatcgttcat   | 1979160 |
| caccaaagaa  | gccttcgggt  | taaaacgtat  | atcgtggaaa  | tacctgccac  | gttccgtgat   | 1979220 |
| cccctccttg  | cccacaacat  | atttcaccag  | accatattcc  | ggcaaggcat  | agagcaaaga   | 1979280 |
| atcattttacc | ctcaacagtt  | tgttatatcc  | tttcagcgat  | atggaatcat  | tgtatttctt   | 1979340 |
| gcacaccagc  | cgggtgattcg | tgagaatcat  | cagcaaaggc  | ttatgccctc  | ctgtcaccga   | 1979400 |
| gatgtcacgg  | ataaacgtat  | gacgttccgt  | ccccttaatt  | ggctgataag  | catcgccctc   | 1979460 |
| actataaaat  | accccatcgt  | tgagcgtaga  | aacatacaag  | tcgccggcac  | gaggagccag   | 1979520 |
| ataaaaagca  | gtaatatact  | tattgtgcaa  | gtcgtctacc  | agcatagatt  | ttccgtcagc   | 1979580 |
| gtctatccgc  | accagatcat  | cttgaatgcc  | cagataaatg  | caactgcctt  | ctgcctcctt   | 1979640 |
| cttcaagcaa  | gcagccgtta  | tcttggtagg  | cgactggtag  | agcacctgag  | aagaagcaaa   | 1979700 |
| caaaacgttg  | cttatgtatc  | tccgctttat  | cttgatacgc  | ttcagaacct  | gcttggtgct   | 1979760 |
| gatataatac  | agataccgcc  | cgtctgccat  | catacccgat  | accacttccc  | cttcaggaat   | 1979820 |
| atccaatatt  | ttaaaagcca  | cattgtcgcc  | cgtacgttgg  | caatacaact  | catttcctgga  | 1979880 |
| gtttacataa  | taaatattgg  | taccatcggc  | gcacgatgcc  | acaattttctc | cattggcatt   | 1979940 |
| gaagataccc  | agatgaagcg  | gaatattcca  | caaggcattc  | tcagtaacca  | gaaccgtaaa   | 1980000 |
| gccgtccacc  | ttgtcggtag  | caatgacatt  | gttgacgaac  | tgcggtactt  | ttcgccctcag  | 1980060 |
| cggtagccgac | aaaaacgatt  | tcaggtcgtc  | actgagcaac  | aatgatttgt  | catcgagaaa   | 1980120 |
| ataatgaatg  | cttcccagct  | tataataaat  | acgaggcgaa  | aacttcagat  | ctacttcatg   | 1980180 |
| cagcacattc  | cctttcacat  | cctccacata  | cagttttctt  | cttgccagca  | gataaacctt   | 1980240 |
| gttatcgtag  | accgaaaccg  | tgtatacagg  | ctctcctgca  | tgcgacaaaag | aaactttttcc  | 1980300 |
| atcagtcaga  | cttattctga  | ccagcccctc  | ctgtgtagca  | cacaacaggc  | acttttgggtcc | 1980360 |
| ataccgccga  | atattgttca  | caatgaacgg  | cttgcccga   | tgagcagttt  | cactatcctc   | 1980420 |
| cgacggataa  | accagcttca  | gttccttccc  | tcccagcgca  | ggcatggagt  | aaagcccctg   | 1980480 |
| acttggtgca  | acgtaaagcg  | attttccaac  | gagaagtata  | tcgtataaccg | aataattagt   | 1980540 |
| gcctttgttt  | ggaatagcac  | aaatttctc   | caaagaagtt  | tcttcttcat  | tcaacttcca   | 1980600 |
| tttctgcaag  | ccggaattac  | gtatccctac  | ccagcataat  | tttccgtccg  | ccagtaccga   | 1980660 |
| gtcggtcacg  | accttataaa  | tacgatcggc  | accaatatta  | taactttgaa  | aactgcgctg   | 1980720 |
| cttcatgtac  | catatatcac  | cagcttcgct  | tccgatccag  | aaagcagagt  | caccatcggc   | 1980780 |
| cgagatagaa  | gaaagacgtt  | cgttgaaata  | taactccgtt  | tcaccagac   | ttccggtttt   | 1980840 |
| ttcctgtctca | ttacaaccga  | aaaagactga  | cgccatacac  | aagaaagcaa  | tataaaagaa   | 1980900 |
| accgtttttc  | atatcattat  | cgttttggtat | gcttgcaaca  | aaaagggttaa | cgacaacata   | 1980960 |
| atatatgtcc  | gggagtagcc  | cttaaaagcc  | caccgggaac  | cagaatcagc  | tgggtccatct  | 1981020 |
| gcctcagttc  | ttccggcaga  | gaccagactc  | attctcatag  | ctttatctgt  | ttaatagttg   | 1981080 |
| aataacaaaa  | aaacagtata  | aatgttttg   | aaaattcttt  | ccaatccttc  | catggaaaaa   | 1981140 |
| gaaaaaactt  | ctccccatcc  | gaaaaaaaat  | cctcaggaaa  | ccatacacia  | aacataacga   | 1981200 |
| tatcttttca  | gattttgtac  | aaaacatgat  | gtcttttgta  | caaaatctta  | gaaaatttgt   | 1981260 |
| acaaaaacag  | aaaaaagaag  | cagacaaatt  | atcacactta  | tgcagagggt  | ttcagctccc   | 1981320 |
| ccctgcataa  | gtcttttctt  | ttcagcagca  | aagacagccg  | gaaacttcta  | tacatctatt   | 1981380 |
| tcttctggaa  | gcaaatccgc  | ctgaatattg  | ttcatgctcc  | cccacaaact  | ataccgtgct   | 1981440 |
| tcagggttca  | tccgctccaa  | cgagcgcagc  | acttccttca  | tatccgaacg  | atgagaatcc   | 1981500 |
| ttttcatacy  | gacaattctt  | aatttgcttg  | cgataccccc  | tgagttgtgc  | catttctatc   | 1981560 |
| aggtcggctt  | catgtaccag  | acacatcgga  | cggatgatcg  | tcagtgcgaa  | cttccgcatac  | 1981620 |
| accagacgcy  | gcggcatggt  | actgaacgcc  | ccctgaaacg  | tcagtgtcat  | cagcagcggt   | 1981680 |
| tccagaatgt  | catccatgtg  | atgtcccaag  | gctatcttgt  | tgcatacctg  | ctccttggtc   | 1981740 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| accgtaaaga  | gcgcccttccg | acgattccag | gaacaaagaa | agcacggcga  | cttgcggggtg | 1981800 |
| tctgtcgacg  | gatcgaaaga  | cgtttcgtaa | cgcacaaacg | gcacgcccag  | cccttcggca  | 1981860 |
| tacgcacgca  | ggtagtccat  | atccgattcg | tatgcgatat | tcgtcatcac  | cacatgtgcg  | 1981920 |
| gcaaccaccg  | aaaaacgagg  | cttgtagata | cgcgaaacgg | gagccagcaa  | ctccagcaat  | 1981980 |
| gccagtgagt  | cctttcctcc  | cgacagtccc | accagtatct | tatcgccatc  | ttctatcagt  | 1982040 |
| ccatactgca  | taaccctttt  | attgaaacgc | ttctcaatgc | gtcgcatcaa  | cttgtcttct  | 1982100 |
| tcagtcaatt  | ttcccataca  | ttcattaaat | caaaaacggg | gataaaatta  | cacgaaaaga  | 1982160 |
| acgattcccc  | aaagattttg  | aaaaatagaa | taccgaaata | gacaaaattt  | cgaagaaact  | 1982220 |
| tcgtactttt  | gaaaatgaca  | tattgaaaca | acacgaaaaa | tatcatgaac  | aagaaatata  | 1982280 |
| ccctagccct  | tatcggttta  | tgctgcatgg | gaagcgcttc | tgcacaatcg  | cttacccaag  | 1982340 |
| ccaaagaatg  | gtttctggaa  | ggaaagtctg | ccgaagccaa | acccgttttc  | cagaaactgg  | 1982400 |
| taaaacaggc  | accgtcgaac  | gccaattata | atttctggta | cggagcatgt  | tgctacgaaa  | 1982460 |
| cgggagagct  | gcaggaagca  | ctaccttctc | tggaaaaaag | tgcagcccg   | aagggtcatca | 1982520 |
| acgcttactt  | gtatttaggc  | aaactatatt | attcgatgta | ccgtttcgac  | gaagcgacag  | 1982580 |
| aaaatctgga  | agaacatata  | gactggctgg | aaaagaaaaa | gcgtgatacg  | tccgaggccg  | 1982640 |
| aaaaagaact  | ggaccgctgc  | cgtcaggctg | cccgatgct  | gcgcggtacg  | gaaaatgtag  | 1982700 |
| ccgtaataga  | cagcttcgtc  | gtagacaaga | acgactttct | ttctgcctat  | aaattaagca  | 1982760 |
| aggaatcggg  | aacaatctcg  | aaaaccgaag | acggttccgg | cacttccttt  | gtaaatgaac  | 1982820 |
| tgggagataa  | aatgattttc  | acccaagctt | ctgccgatga | tggagaaact  | catttgtatt  | 1982880 |
| cacgcaccaa  | gctgattgac  | aaatgggagg | atgcacaacc | attggaagg   | ctgagcgaaa  | 1982940 |
| ccggacacaa  | ccagaactat  | ccgttcattg | cttcggacgg | cattacactt  | tattttggtg  | 1983000 |
| cggagagtg   | cgaaagcatg  | ggaggatatg | atatttttgt | aaccgcgtac  | gactcagacg  | 1983060 |
| acaacagtta  | tctccgccc   | gacaacatcg | gtatgccgtt | caactcgcct  | tacaacgact  | 1983120 |
| acatgtatgc  | gctggacgac  | ctgaacaatc | tggtatggtt | tgcttccgac  | cgttatcagc  | 1983180 |
| cggagaggaaa | agtctgcgta  | tatgtattcg | ttccgaacga | aaccaagcag  | gtatacgatt  | 1983240 |
| atgaaaatac  | cgaccgcgag  | acgattatcg | acgtagccag | tctgagagaa  | ataaagaaaa  | 1983300 |
| cctggagcga  | cgacaataag  | gtacgcattg | caaacagca  | tctggctcag  | gtgatgtacg  | 1983360 |
| gcgagaatac  | ggaaaagaag  | aaaggagatt | tccgtttcgt | agtagacgac  | aacgcgggtt  | 1983420 |
| accataccct  | gtccgacttc  | cgttccaagg | aagcacgcca | gatgtatgct  | tctctcctgc  | 1983480 |
| aaaaagaaaa  | agaccttgcc  | tcgctggaag | catcgctgga | aaatctgcgt  | acggcctatc  | 1983540 |
| agcagagcaa  | caaggcagga  | aaagaaaaac | ttactcccgg | cattctcgac  | aaagaaaaaac | 1983600 |
| gcaccaacga  | actgcgtcat  | gaactggaag | agctgacttt | ctctgtacgt  | aatgccgaac  | 1983660 |
| tgaaagcact  | gaaacagtaa  | acaagcattg | acataaccaa | tacgaactat  | atggaaatac  | 1983720 |
| tgattatcat  | tgacttatc   | gtacgagggc | ttctgtctct | tgccgtagaa  | gtctttctcg  | 1983780 |
| ttcccggcat  | tacccttgca  | ggtattgcat | cgggggtcag | tctgtctctac | gccatctact  | 1983840 |
| acgcgtttca  | tgctgtaggc  | acgcaggcag | gattcattac | acttgccgtt  | gttgacgtcg  | 1983900 |
| gaataatcgg  | tgttaccatc  | tggttcattg | gttccaagac | cgtagaccgc  | ctgtcgctca  | 1983960 |
| agaaaacact  | cgactacaag  | cctgagcccc | tgaaaggaac | aaacattcag  | gtgggagaca  | 1984020 |
| caggtagctc  | gctgacacgc  | cttacactga | taggaaacgc | agaaataaac  | ggacacattg  | 1984080 |
| tcgaggtaca  | gtcggccgac  | ggattcatcg | aagaacggac | ttccgtacgc  | gtaaccgcta  | 1984140 |
| tagacaacag  | caccgtgtat  | gtagtacgct | gcaaccagca | gtaatcttta  | accttaataa  | 1984200 |
| ccctttttat  | ctatgattga  | ttcgatttat | ctcccgttca | ttctggctat  | tggaagcggc  | 1984260 |
| atcctactgg  | ccgtattttt  | ccactatgtg | cctttctttc | tgtggctttc  | agccaaagtt  | 1984320 |
| tcgggagctac | gtatctcgct  | cgttcagctt | tttctgatgc | gtatacgtaa  | tgttccgcct  | 1984380 |
| tacgttatcg  | taccggctat  | gatagaagcc | cacaaggcag | gactgagcac  | cattaccgcg  | 1984440 |
| gatgaactgg  | aagcccacta  | tatggcaggc | ggacatgtag | aaaaggtagt  | acacgcactg  | 1984500 |
| gtatcggcct  | caaaagccaa  | tatcgacctg | tcattccaga | tggctacggg  | catcgacctt  | 1984560 |
| gccggagcgc  | atgtattcga  | agccgtgcag | atgtctgtca | acccgaaagt  | catcgacaca  | 1984620 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| cctcccgtaa  | cggcagttgc | caaagatggg  | atccagctca  | ttgccaaggc  | acgtgtaacc  | 1984680 |
| gtacgcgcca  | acatccgcca | gctgggtggg  | ggtgccggcg  | aagacactgt  | tctggcacgt  | 1984740 |
| gtaggcgaag  | gtatcgtttc | atccatcggt  | tcgtctgaaa  | accacaagtc  | ggtactcgaa  | 1984800 |
| aaccccgaact | ccatatccaa | gctgggtactg | cgtaaggggac | tggatgcagg  | tacagctttc  | 1984860 |
| gaaattctgt  | ccatcgatat | tgccgacatc  | gacatcggcc  | gcaacatcgg  | agcctccttg  | 1984920 |
| caaatagatc  | aggcaaatgc | cgataaaaaat | atcgcacagg  | caaaagccga  | ggaacgccgc  | 1984980 |
| gccatggcgg  | ttgccctgga | gcaagaaatg  | aaagccaagg  | cagaagaagc  | ccgcgccaac  | 1985040 |
| gtgatacagg  | cagaagccga | agttccaaaa  | gcaatggcag  | aagccttccg  | caacggcaat  | 1985100 |
| ctgggtatca  | tggactatta | ccggatgaaa  | aacattcagg  | cagataccga  | tatgcgcagc  | 1985160 |
| agcattgcac  | gtcccgcagc | aaatcctgcg  | ggacatgagc  | ctatcggcaa  | ataaagcctc  | 1985220 |
| aacattttatc | gtgaaactca | actgactaaa  | caaaaaaata  | acaatcttat  | gaaaaagtat  | 1985280 |
| tttccaccct  | cagaactaat | tataaacgaa  | gatggctctg  | tatttcacct  | ccatgtgaaa  | 1985340 |
| ccggaacacc  | tggccgataa | agtaattctc  | gtgggcgacc  | ccggacgagt  | agctcttgta  | 1985400 |
| gcttctcact  | tcgagagcag | agaatgtgaa  | gtagaaagcc  | gtgagtttcg  | tactgtaacc  | 1985460 |
| ggtatgtata  | aaggaaaaag | aattaccgtt  | acgtctaccg  | gaatagggtt  | tgacaacata  | 1985520 |
| gatatcgtga  | tgaacgaact | cgatgcgctg  | gcaaacatca  | atttccagac  | gcgtgaagaa  | 1985580 |
| aacgatactt  | tccgccagct | ggaactggta  | cgcacatcgta | cttgtgggtg  | cttacagcct  | 1985640 |
| tatacccctg  | taggaacttt | catctgttcc  | gaggtttcgg  | taggattcga  | cggcctcctg  | 1985700 |
| aactttttacg | caggcagaaa | tgccgtatgc  | gacttgccga  | tggaacgcgc  | acttctgaac  | 1985760 |
| cacttgggat  | ggagtggcaa | tctttgtgca  | ccggcacctt  | atgtaatcca  | tgccgacaag  | 1985820 |
| gaactggtag  | aacgtattgc | tggagcggat  | atggtacggg  | gtgtcacggg  | agcctgtggc  | 1985880 |
| ggattcttcg  | gtccacaagg | cagacagctc  | cgtattccac  | ttgccgacc   | tcaccagaac  | 1985940 |
| gaaaaatag   | aaaacttcga | atatcagggg  | catcgcatca  | cgaacttcga  | aatggaaagt  | 1986000 |
| tcggcgctgg  | caggtctggc | acgtctgcaa  | gggcacaagg  | ctactaccgt  | ctgcatggtg  | 1986060 |
| atagccaacc  | gtgtggctaa | agaagccaat  | acgggttaca  | agaatcagat  | agacgacctg  | 1986120 |
| ataaagattg  | tgctggaacg | tatctgatag  | tcccagtgta  | tagtaaactg  | cctgaaaccc  | 1986180 |
| ttcctatcat  | cttacagaag | gaacggcttc  | aggcatcggt  | aattcatcgc  | ttcgggagat  | 1986240 |
| caaatacaaaa | gtccgatggg | atgctgtcag  | gctatcgttc  | agaaacgact  | tcagcttttcg | 1986300 |
| cctgattttat | ttcgaatgca | atacaacaac  | cattcgagta  | aaacagaaat  | aacacagaag  | 1986360 |
| aaagtttcct  | cgctctaata | agaagaatca  | gtaaaagacg  | taacttctga  | aaccaacaat  | 1986420 |
| tatcattcaa  | aaaagaaaaa | tagtcgtaaa  | agatcaaaca  | ctcataccat  | agaaggacaa  | 1986480 |
| tctagctacc  | tcctgtaaca | tttaaagcga  | tattatcatt  | tttatggaag  | caagtttcaa  | 1986540 |
| gcaagacaat  | aaactaaaca | aagcagaacg  | ttatcaaaca  | tttcttacac  | aattcactcc  | 1986600 |
| gctcatagaa  | ggagaaaaga | acgaaatcag  | tgtactggcc  | aataacctgcg | ccgctctgaa  | 1986660 |
| ggaagcattc  | gactttttct | gggtgggctt  | ttatctggta  | cacaacagcg  | aacttcactt  | 1986720 |
| gggaccggtt  | cagggaagtg | tagcctgcta  | tcgtatcaaa  | aaaggacgcg  | gagtatgcgg  | 1986780 |
| caccgcctgg  | tcggaagcac | agacgcaggt  | cgtacccgat  | gtagaccaat  | ttccgggaca  | 1986840 |
| cattgcatgc  | agttccctct | cccgtctcga  | aatcgttgtc  | ccgataatca  | ccaacggaga  | 1986900 |
| agtaaaagg   | gtgctcgaca | tcgacagcga  | ccagctgaat  | acatttgatg  | aaaccgaccg  | 1986960 |
| gatttatctc  | gaaaaagtag | tcgccctcct  | catccgagag  | ctttacttcc  | cgcaataata  | 1987020 |
| tcgtccaaac  | ttttccggaa | ataagccgaa  | aaagccgtat  | ctttgtgcga  | tttaaaaagc  | 1987080 |
| aagaaaaatat | cgtgaatata | caacaaacag  | aagatactat  | ttgtgccatt  | gctaccgctc  | 1987140 |
| aaggcggagc  | catcggcacg | attcgcgttt  | cgggtgctca  | ggctatcacc  | atcaccgacc  | 1987200 |
| gtattttttac | ccctgcctcg | ggcaagccac  | tggcagagcg  | taaaccctat  | actctgactt  | 1987260 |
| tcgggtcacat | tctttccccc | gaaggagaag  | taatagacga  | agtgtgtggtc | agccttttcc  | 1987320 |
| gggcccctca  | ttcttatacc | ggtgaaaact  | ccgtagagat  | atcctgccac  | ggctcgtctt  | 1987380 |
| acatcctgca  | acaggtcatg | caactcctga  | tcaagaatgg  | atgtcgcgca  | gccggaccgg  | 1987440 |
| gtgaatatata | ccagcgtgcc | tttctgaacg  | gcaagatgga  | cttgagccag  | gcagaagccg  | 1987500 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| tagccgacct  | gattgcctca  | acctctgccg  | ctacacaccg | catggctatg  | aaccagatgc  | 1987560 |
| gtggaggatt  | cagtcgcgaa  | ctgtctgcct  | tgagagaaaa | gctgcttcac  | ctgactttctc | 1987620 |
| tcatggagct  | ggagctggat  | ttcagtgacc  | acgaagaact | ggagtttgcc  | gaccgttcgg  | 1987680 |
| aactggaaga  | aatagcccg   | cagatagagc  | aagtcacag  | tcatctggtc  | gacaccttca  | 1987740 |
| gtgtcggcaa  | cgcatataaa  | aacggcgtac  | cagttgccat | cgtgggagaa  | accaatgcgg  | 1987800 |
| gtaaatcgac  | tttgcgtaat  | gcgctactaa  | atgaagaacg | agctatcgta  | agtgacattc  | 1987860 |
| acggcaccac  | gcgcgatgtc  | atcgaagaca  | ccatgaattt | aggtggcatc  | accttccgct  | 1987920 |
| ttatcgatac  | agccgggatc  | cgtgacacga  | ccgataccat | cgaaaacttg  | ggtatcgaac  | 1987980 |
| gcagttttca  | gaaactggag  | caagcaaaca  | ttgtgctttg | ggtgatcgat  | gctactttgtg | 1988040 |
| ctgaggaaca  | atatcgtgaa  | ctggctgaaa  | agattccttc | ccgatgtgag  | ggcaagcatc  | 1988100 |
| tggtgattgt  | tttaaataaa  | tcggatctct  | tgcttccgga | taacgcttat  | tcttcaagca  | 1988160 |
| gtgattctat  | gaatcaggat  | attatcggtg  | gacagactgg | tactcccaac  | gttacggggc  | 1988220 |
| tggagtcgac  | ttcctctacc  | catcggatgt  | ttccgaacct | gcccgaagat  | acttgtgtta  | 1988280 |
| tcttgctttc  | cgccaaacaa  | aaagagggtg  | tttctcaact | tcagaagcaa  | ttggtggact  | 1988340 |
| ttgctgccct  | acccgacctt  | tcacaaaatg  | atgtggtggt | aagcaatatc  | cgtcactacg  | 1988400 |
| aagcgttgag  | ccgtgcactg  | gagagtattc  | atcgggtaca | agacggtctg  | gccatgcac   | 1988460 |
| tctccggtga  | cttggtgagt  | caagatttac  | gtgaatgtct | tttccacctg  | gctgagatcg  | 1988520 |
| tgggcggaga  | aatcaccact  | gacgaggtgt  | tgggaaatat | atttaagcat  | ttctgcatcg  | 1988580 |
| gaaaatagga  | acaaaaagca  | ggatataaag  | aaaccataag | caaacagcaa  | agaaaccagc  | 1988640 |
| aagaagcaac  | agaaatacag  | gacaatccaa  | aaaatagcac | aggaaacctt  | ttattttact  | 1988700 |
| tttgccgttt  | ttttacgata  | tttttggtgt  | agatttggtg | ctggaaaaga  | atcaagcaac  | 1988760 |
| aaaagcaaca  | acagaaatgg  | aaaaatcaaa  | agaaccaatc | agactccgac  | aaaggaaaat  | 1988820 |
| gccgacagga  | atcacgtccc  | tgtacctcga  | catttacacc | aacggaagga  | ggagctacga  | 1988880 |
| gtacctaaag  | ctgtacctcg  | taccagagaa  | gacaaaagca | gacagggaca  | agaaccgaga  | 1988940 |
| gacgctgcgt  | ctggcagaaa  | caatcaaggc  | gaaaagactg | gtagagtcc   | acaacggaga  | 1989000 |
| atacggactg  | aaggacgcac  | agcttgaaga  | aaccaatttc | tgggactatt  | acaaggacat  | 1989060 |
| gtgcgaaaaa  | cgagaggag   | aagaaacaag  | agggaaactg | ggaaactggg  | actcggcaat  | 1989120 |
| gaagcacctc  | cagaaatacg  | acccgaaaat  | agaacagcgc | acgttcaagg  | acatcacgcc  | 1989180 |
| aaaatggata  | gaaggattca  | gagagtacct  | gttgaacaag | gcgtacgcat  | tcggaaacga  | 1989240 |
| cgaacggaac  | agagtgaagg  | atgcaaggct  | gtccaacaat | tcctgcattt  | catacttcaa  | 1989300 |
| caaattgcgt  | gcatgcatca  | accacgcata  | cgacaacgga | attatcagaa  | caaaccact   | 1989360 |
| ccgagggata  | gaatcaatcc  | atgcggaaga  | aggcacgaga | atgtacctta  | caatcgagga  | 1989420 |
| gctgcagaag  | ctggcagata  | caccatgcga  | gaaggaaagc | gtgagaaagg  | cgttcctctt  | 1989480 |
| ttcctgccta  | acaggactgc  | gaaggagcga  | catccagaaa | atgaaatgga  | gtgaggtaca  | 1989540 |
| gcagcagggg  | gaattcacga  | gaatcatctt  | caagcagaag | aagaccaaag  | gacaggagta  | 1989600 |
| cctcgacatt  | acaccacagg  | cagcagagct  | gatgggagaa | cggggcaaac  | cgacagacaa  | 1989660 |
| cgtgttcgag  | gacttcggct  | cacccagccc  | gacaaacgag | tgcatcaagc  | gatgggtact  | 1989720 |
| gcgtgcagga  | atccagaagg  | agataacctt  | ccattgcgga | cggcacacgt  | tcgcaaccat  | 1989780 |
| gatgctggac  | atcggaacgg  | acatctacac  | cgtgagcaag | ctgctcggac  | accgagagtt  | 1989840 |
| gagcacgacc  | cagatctatg  | caaaggatcat | ggacaaaaac | aagcaaaaatg | cggttgcagc  | 1989900 |
| tatccccaat  | atattcaaaa  | agaaggatta  | agccgtgttt | tgccacgtgt  | gcccttggtt  | 1989960 |
| tctttgagtg  | gaggaaacat  | acctccacgg  | aaagaaaatc | gattgtaggc  | gatatttgcc  | 1990020 |
| taaaataacg  | gatatttacc  | tgctacgtac  | cagctacggc | gtaccaacta  | cgggtgcgct  | 1990080 |
| tttttttggtg | ccgttttacag | gagcatctat  | atttgaaaac | atagccccag  | aaccagtaag  | 1990140 |
| cagccaagac  | gcagaaatcc  | cataatcgga  | aaccagaaac | ccgagccatt  | cggctctggaa | 1990200 |
| catgtcgtg   | ctcaaattct  | tttccaagaa  | gttcagattc | caacgattga  | tgccgtacct  | 1990260 |
| atcggtaaac  | gtttttttgc  | cacgaataac  | accctgcgcc | tttagcatat  | acagagcctc  | 1990320 |
| gaagaaccga  | gagattatct  | tttgacttcc  | ttcattttgc | atagctcatc  | ggattttttt  | 1990380 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| tgcgcatcac  | gaacacgagc | atacaccgtc | tcattgctgc  | gggaaagacg  | gacagcccac  | 1990440 |
| acttcctcaa  | ggtttgagaa | atcgattttt | tttgccccag  | aaagagcctg  | ctggaaatca  | 1990500 |
| tgagctcg    | caggggtcat | aacaggaatg | aaccgctcca  | gctcatagat  | tcggtcaaca  | 1990560 |
| tgactgcgga  | cagcagagcg | aacggaatca | aacctaccat  | caagcatgtc  | gccctcacct  | 1990620 |
| gtcaagaacc  | agcgagcggt | tatttctggg | aaagccttca  | cgacagccag  | aacaggaaca  | 1990680 |
| ataccgaaat  | ttacaccttt | gaggagtttc | ccgagggtact | ggggactcca  | accataagc   | 1990740 |
| gcacaaaact  | cggctgcac  | gcctccagtt | ttatactgga  | ttatttgaag  | aagacgttca  | 1990800 |
| ttcattgctt  | tacaaacttt | ttaccatttt | catcagcagt  | tccacctcga  | ggataaagca  | 1990860 |
| cgaagaaga   | accagagata | atttttatat | aactactttc  | agacctgttt  | acaacctcac  | 1990920 |
| cgttttcatt  | gtactcataa | aaccaaagca | atggatctga  | gagagaagaa  | ggacgagtaa  | 1990980 |
| ccgagaagaa  | acaatcatcg | gacactttga | atttttcgtc  | gttgaaataa  | gaaacaacca  | 1991040 |
| gagcattacc  | atgagcaaca | aattcacctt | caagaacaga  | aaccatattt  | ttaggttcag  | 1991100 |
| agaaaggaga  | aaacgtgagc | tcttccgttt | cagtcgtatt  | cgtgacaggc  | tgatagaccg  | 1991160 |
| aaaacacaaa  | gtgaccattc | aaaacagaca | aaacctcgct  | gaccacaggg  | tcaattttctg | 1991220 |
| attcagaagg  | cacatcgctc | ccagaacaag | ataaaaacat  | tacaggcaac  | aaaaacagat  | 1991280 |
| acaaaaattt  | tttcattttg | attagtattt | agggatttta  | catgtttttac | caaagagaga  | 1991340 |
| gcttacacgg  | catctgcaga | gattgcacga | ccgcccgtct  | gggcatccac  | ttttttaaga  | 1991400 |
| tcctcaattt  | gagaccgaag | catggaaatg | agttcatcca  | cctgccggtc  | tcgagcagca  | 1991460 |
| aggctttccg  | cttgagcctt | tacaacagcc | caaacagaag  | catcaaccac  | cacctccgaa  | 1991520 |
| tgagacgacg  | gatctggaga | accagacgcc | ccagaaaatt  | cactgaacgg  | attattcagg  | 1991580 |
| aacatattac  | cctcaccagt | aagaaccac  | gttgatgata  | agtttttatc  | aagtgagcaa  | 1991640 |
| accttcccaa  | taaaggattc | agaaacaacc | tttgacagaag | acatgacttg  | cgacatgtat  | 1991700 |
| gaagaagaat  | aaccaaggcg | agcagccaaa | tcattctggc  | tctcaaccaa  | atcattaaaa  | 1991760 |
| atcaaccaat  | ttacaacctt | acgaagtcca | gaatatacgt  | tcataactat  | tccaatttat  | 1991820 |
| tttaagcaaa  | gtaacaaaat | cgaagggaag | agtaaaataa  | atcgccctttt | atcttgcatt  | 1991880 |
| aaagggaaga  | tttacttacc | tttgccctcg | gcattgaggg  | aaaaccaggt  | gtaaagatac  | 1991940 |
| gataatttaa  | tcaaaatcga | aataaactga | acagaaaaat  | aaaataaatc  | gaaataagat  | 1992000 |
| gaaagcaaca  | atcagagtcg | acatgaacaa | agcgatggca  | gcagccgaag  | caatagcgga  | 1992060 |
| caacaggcga  | atcgcaagag | acctcgagca | gacctacagc  | aacgaatggg  | aaacccgaga  | 1992120 |
| atttgactat  | gacgaggaag | acgaaatgga | cgagcttctg  | agcagtattg  | agtaccagct  | 1992180 |
| taacagcgca  | ggaataaata | cagacgagta | cataatcgaa  | caggaataac  | ttaaaaacga  | 1992240 |
| aatatgatgg  | aacaaagaaa | gctaaaaaca | ccatgccagc  | aggaacgaga  | gaaccgtgag  | 1992300 |
| aatgcacttc  | ttctcgagta | caacgaactg | atgtccgtcc  | acgggcagaa  | ggcaacagcg  | 1992360 |
| gtcaacaccc  | tgctcatgaa | caagtacggg | attcattcag  | tgagtacaat  | ctacgcaatg  | 1992420 |
| ctacgcagag  | cgaacaaaag | acaacaggag | gaaacaaaca  | atgaaagcaa  | ctgaaatctg  | 1992480 |
| gaaaaacctg  | ctgctgatag | ttttggcagc | gttcgcagtt  | tttgattttt  | gtctcatcgt  | 1992540 |
| cggagaagac  | acagaaggga | catccatcgg | ttattttttc  | atgatcaaga  | tgctcgcaat  | 1992600 |
| tttcgcagcc  | atcggtattt | acaccatcgg | gaaggtgtgc  | aaggaaaagg  | agctttttccc | 1992660 |
| gaagtgggtc  | atcgacattt | tgaacaagca | ggaggaacaa  | gtatgagtct  | ggacgaactg  | 1992720 |
| aagggaacagc | tcgacagaat | agaacgagcc | tccatgattg  | cagcaaagag  | gattctgaac  | 1992780 |
| atcgaggagg  | tggcgtttct | tacaggtttc | aagaagaaca  | ccatctacga  | gatgaccagc  | 1992840 |
| aaaggtttga  | taccgcactc | aaaacaggct | ggaagattat  | tcttcagcaa  | ggacgagata  | 1992900 |
| gagggctggc  | tgatgagcaa | cagaaccgcc | acacagcagg  | aactggaatc  | caaggcagcc  | 1992960 |
| acatacatcg  | caacacgcag | ataacagaaa | gcaacgggga  | aagcagtaag  | acccacacaaa | 1993020 |
| aataaacaga  | aatggaacaa | caaatacttc | aagtgcagca  | ggcagagatg  | ctgcaagcaa  | 1993080 |
| tcaaccgcag  | tgaggtggac | attcaagtag | caacagcaaa  | gcagtaccca  | cgagacatcc  | 1993140 |
| accgctcgct  | gaacaacatc | cagacaatcg | caacctagag  | cgagaagacg  | gcacaggact  | 1993200 |
| gcttctacgc  | actcaagaag | ggaggagacg | tcatagaggg  | agtttcagtc  | agactggcag  | 1993260 |



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|             |             |            |            |             |            |         |
|-------------|-------------|------------|------------|-------------|------------|---------|
| aaatcatagc  | agggcaatgg  | ggtaacctcc | gagtacagac | cagaatcatc  | ggtaacgacg | 1993320 |
| ggaagaccat  | tacagcacag  | ggaatctgcc | acgacctcga | gacgaacttt  | gcaaccagcg | 1993380 |
| tggaagtga   | gcgcagaatc  | accgacaaga | acggtaagac | ctacagcgag  | gacatgcagg | 1993440 |
| tcgtgacagg  | aaacgcagcc  | agcgcaatcg | cattcagaaa | cgcagtcttg  | aaggtagtgc | 1993500 |
| cgaaagccat  | cacggacaac  | gtgatacagg | aaatcaagag | ggtcgcaatc  | ggcaaatcga | 1993560 |
| aggatatcga  | gacaagcaga  | aagaacctcg | tcgagtattt | cggaaagctc  | ggagtttcca | 1993620 |
| aggcgcagat  | tctggcatac  | ctgcaggat  | cacgcatgga | ggacataacc  | gcagaaatgg | 1993680 |
| tattccaact  | ccgaggactg  | gcgaacgcac | tcaaggaagg | aacaaccacc  | ctgcaggaga | 1993740 |
| acttcacgga  | cacccagagc  | gagagcaaga | gcacgcgtga | caaggtagcg  | cagaaatcgg | 1993800 |
| aggatgccaa  | gaagaaggca  | gaagcagccg | tagcagcagc | cacaaaacca  | gcagacagca | 1993860 |
| aacctgctga  | caataaaccg  | caggaagtgc | cagcgaacgt | agaccagag   | acaggagaaa | 1993920 |
| tcattaacaa  | ataacaaaga  | acatggaaac | aatcattcaa | atcaagcagg  | aaaacctgca | 1993980 |
| agagctttat  | aagacactga  | ccaattacc  | gaccatttca | aaggaacagg  | taatacacga | 1994040 |
| gatgcacaag  | gcgttcggag  | agaaagcatt | cagaccacat | gatgtacgag  | aacgagttaa | 1994100 |
| aacattttgag | gacgcttgcc  | gtgaacttgg | agaaggacac | aagttcttga  | acgagtggga | 1994160 |
| ttcttggctg  | ggtagctgtt  | catcagacct | cgcagcattc | ctcaaactcc  | gcatcatctg | 1994220 |
| cgcagcattg  | aacgaaggat  | gggagcctaa | attcacggag | aacgaagaac  | gatggtatcc | 1994280 |
| ttggttctgg  | cttttaacac  | aggacgaaat | aaacgaaatg | aaagaagagg  | ataagaccaa | 1994340 |
| aaggcaactc  | agaatgataa  | caggcgaatt | cagaactgaa | tttgcggtc   | tcgtgtgtgc | 1994400 |
| gtcttcgcat  | tacgccccct  | cgattacgta | tacgagcatc | ggctctcggc  | tttgctttca | 1994460 |
| gaacgaagcg  | ttagcgaaat  | acgcaggaac | acagtttata | gacattttga  | aagacttttt | 1994520 |
| attaatcaga  | aaataagaac  | agaaatggat | ttgaacaaag | caacagaagc  | cataattgca | 1994580 |
| tggcaggaag  | agaaagaaga  | ccacagaagc | gttctggtga | tagcaattga  | agaatcagaa | 1994640 |
| cctaacaacg  | gtgcacagca  | gaccaacgca | aaggtctgca | tacatggaaa  | caaggaaaca | 1994700 |
| atgaccaaac  | tgatgaaaca  | ctttctcaaa | acaggacaat | catttgagat  | gcaggacatc | 1994760 |
| ctgctgcaca  | cttttttaga  | atcgtagctc | gacatgatca | acgaccagaa  | gaagaaaacc | 1994820 |
| aataacaaca  | acgaaaacaa  | agaggaggaa | taaacaatgg | caacaacaat  | cataagacca | 1994880 |
| gcaaccagag  | aagaatggct  | tgaagtacga | aaagcaggaa | tcggttcaag  | cgaggtagca | 1994940 |
| acaatcgtag  | ggctcaacc   | ttgggagaca | ccataccagc | tgtggagaag  | aaagctcgga | 1995000 |
| atggacgagc  | cgaacagga   | aacattcgcc | atgaaagcag | gacactacct  | cgaagacgca | 1995060 |
| gtgtcccagt  | tctggcagga  | cgagacagga | cgagaggcca | tcaaacgaag  | cgcaggcgac | 1995120 |
| tggatcatac  | aggacgcaga  | gaagacattc | ctgcaggttt | ccccagaccg  | aacattctgg | 1995180 |
| ctggcaggaa  | agaccaagag  | caacgacaac | aaaggtattc | tggaatgcaa  | gaccacgcag | 1995240 |
| atgtcaatcg  | accagacga   | cataccgaag | caactggtct | gccagctcca  | gtaccagctc | 1995300 |
| ggggtcgcag  | gactgacaga  | aggaagcctc | gcatggttga | gctcgggcag  | ggagttcgga | 1995360 |
| tacaaggata  | tccagcttgt  | cccagacttt | tacgcatggc | tggaggaaga  | ggtaaccaag | 1995420 |
| ttctggacag  | acaacgtcct  | cggaggagtt | gagccatcag | cagtcagcgt  | aaaggacgtc | 1995480 |
| ctgctcaagt  | acaacaccag  | cgtaggcgga | aagacaaagg | aagtgaccga  | cgagatgttc | 1995540 |
| aacgcatacc  | aagacttgaa  | gcaggtcaag | gcagagctcg | cacagatgga  | agagcgcaaa | 1995600 |
| gaagagctgg  | agaccaagct  | gaaggcagcg | ttcgaagacg | cagaagcaat  | tacatacggt | 1995660 |
| ggagacatca  | tcgccacatg  | gaagacatca | aaaccatcag | agaagctcga  | cagcaaagca | 1995720 |
| ttgaaggctg  | cgcacccaga  | gctggtaaaa | gagttcacgg | tacagacagc  | aggcacaaga | 1995780 |
| cgattcctgc  | taaaataaga  | aacggaggta | acaaatgatt | cagatcagca  | atcaagacag | 1995840 |
| ggacttcata  | gttcgggtaca | tcgaggagat | gaaccagaac | agaaggaacg  | agacaaaccg | 1995900 |
| agactacaac  | ctgcagagaa  | tggcgaacaa | catcgcaaaa | gaactcaagc  | ggaaaaaaag | 1995960 |
| tacggacaga  | aagtgattgt  | attgcaatca | ttgtgttacc | tttgagcgac  | tgaataacag | 1996020 |
| aacacaacag  | agatggaaac  | aagaaattca | acaccgaaca | aggggtgggca | tacgaaagga | 1996080 |
| agccccgacg  | agctgtatgc  | gtagtcgacc | cttcacgcgt | gttttttcat  | aaagcgacta | 1996140 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| acagacagca  | atgataacat  | tacgaagcaa  | tcaaggagaa | gcgatagaca  | aggcgataga  | 1996200 |
| atacttcaac  | cagaagaagc  | cgaagccgtc  | gctgatagtc | ctgccgacag  | cttggggaaa  | 1996260 |
| gagtattctg  | acagcctttg  | ttgccaagaa  | caccaacgac | aagctgctgg  | tcatacagcc  | 1996320 |
| aagcaaggag  | ctcctcgagc  | agaactacgc  | caaatacacg | accctgtgcg  | agggattctc  | 1996380 |
| ctttaacgca  | ggcattttatt | cagccagctt  | caacagacgg | gaaatttgcc  | agataacata  | 1996440 |
| cgccaccatc  | ggaagcatca  | agaacctcgg  | ggagacattc | aagagatacg  | gattcacgaa  | 1996500 |
| aatgctgatt  | gatgaggctc  | acctttacc   | cagagaagca | gacagcatgc  | tgggcaagtt  | 1996560 |
| cctcaaggat  | tctggcataa  | cacacgtcct  | cggcataaca | gccaccccaa  | tcaagctaca  | 1996620 |
| gacgaaccga  | gacatggacg  | gatgcactta  | ttcaaagctg | gtcatgctta  | ccagcaggag  | 1996680 |
| caagaaaagg  | aactttttca  | aagacatcat  | ccatgtagga | caggtacagg  | aaatggctcg  | 1996740 |
| ccttggattc  | tggagcaggc  | tgcagtacca  | gagcgcagac | tttgactcga  | ccctgctaaa  | 1996800 |
| attcaacacc  | agcaaaagcg  | agtacaccga  | agagagcgta | cagctggcat  | acgaagcaaa  | 1996860 |
| cggaggagcg  | agccagatag  | tacaggcggt  | gaaccagaac | caagacagga  | aacacattct  | 1996920 |
| ggtctttgtc  | ccgagcggtc  | tggacgcaga  | acagctggca | gccaaatacc  | cgaacagcgc  | 1996980 |
| atacgttcac  | ggacagcaag  | acaaaagaga  | gcgagcagag | accatccaga  | agttcaagac  | 1997040 |
| tggagaaaata | cgggccttgt  | tcaacgtgcg  | agtattgagc | acaggattcg  | actttacagg  | 1997100 |
| catcgactgc  | atcatcctcg  | gcataagcac  | cgccagcatt | gccctttact  | accagatcat  | 1997160 |
| cggacgagca  | acacgaatag  | acccgaacaa  | gcaggacgca | ctaactcgctg | accttggagg  | 1997220 |
| gaacgtgaag  | cagttcggaa  | gggtcgagga  | tatcagattt | gagaagggaa  | agatgtggcg  | 1997280 |
| aatgttcgga  | tctggaggaa  | agctgctgag  | cggaaatccg | atatccgaaa  | taggtagcta  | 1997340 |
| cacgaaggag  | gacacagacc  | gagtggacaa  | cggctcctat | ttcaagaaaa  | tcgaaatcat  | 1997400 |
| gccttttggc  | aaatacaagg  | gacagaagat  | agacagcatc | ccgagcgact  | accgcagggtg | 1997460 |
| gatgattcgc  | tcattcagct  | ggaacagcag  | aaacgaagac | ctgcgacaat  | cgattatagc  | 1997520 |
| aacactttta  | aaaagaaaat  | tatgtcaaga  | ccgaaaagca | aaatagcaga  | atacttccca  | 1997580 |
| catttcgcaa  | aaggaggagg  | aaccattttac | atactggaga | gcaaatatgg  | caacgatgga  | 1997640 |
| tacgccttct  | ggtttaaggt  | tctggagctg  | ctttgcgata | cggagggaca  | ggtttacgat  | 1997700 |
| tgaagaacc   | cagctaactg  | ggagtttttg  | acagcgaaaa | cccagtgtag  | aagcgaacag  | 1997760 |
| gcaaaagaaa  | ttcttgcaac  | attggcttca  | ttggaagcca | ttgaccaga   | gctttggaat  | 1997820 |
| caacgacagg  | tcataatgggt | gcaaaatttg  | gtaaacaatt | tatcgccact  | atacagcaga  | 1997880 |
| cgaagcagca  | gctccccaca  | gagaccagac  | ctcgaatgtg | atagcagcaa  | aaaaccagat  | 1997940 |
| gaagcggaat  | attgcgaaca  | gaaaccagac  | gttaacgggc | aaaatgatga  | caaaaaccca  | 1998000 |
| caaagtaaa   | taaaggagag  | taaagaagag  | aaaagtaaa  | attctatcgc  | caaaacgcca  | 1998060 |
| cgttttgact  | gcgagcgaat  | cgttgaactt  | tggaatgaga | ttatcaagaa  | gccagctgtc  | 1998120 |
| gccaaagtga  | cagacgacag  | gcgaaagaag  | gtcaaagcaa | gaatcgagga  | atggaaggcg  | 1998180 |
| aagacacaag  | aagaagccga  | agccaaggct  | cgtgagattt | tcacgaggat  | ttcagaatcc  | 1998240 |
| gacttcttga  | gcggaaggac  | aggaagctgg  | aacgcaacgt | ttgactggct  | gttcagcaac  | 1998300 |
| gacaagaact  | ggctcaaggt  | catggaagg   | aactacgaca | accgaacatc  | ccacaagccc  | 1998360 |
| aataaagccc  | caaattgcgg  | agattcaaga  | ctgggtgcag | gagaatacat  | cactgaagac  | 1998420 |
| ggaaggcgca  | cctacggcac  | aggaaaggca  | acaataccag | catacgacc   | accgagacca  | 1998480 |
| agcgaaaagat | attcatggga  | cgcaggatct  | gaaaactgga | tactacaatg  | agaatgaatt  | 1998540 |
| ttgagaaaata | cggaattgaa  | gtcccataca  | ggaagacttc | tggaaacgtg  | aaggttttct  | 1998600 |
| gccctcaatg  | cagaagccaa  | cgccacgaca  | aaagagatag | aagtctttcc  | gtaaaccttg  | 1998660 |
| caacagggat  | gttcaaatgc  | cattactgcg  | gtttccaagg | atgctgcagca | gaacaggacg  | 1998720 |
| aacaggaaaa  | gcaaaaagtgg | atggaacagc  | aatcatggta | cagaccagta  | ccgattaaga  | 1998780 |
| aacagaagcc  | agagtacaag  | aaaccgaccc  | atacaggaaa | cagccagatg  | agccagaaag  | 1998840 |
| cactggcatg  | gttcgcagga  | agaggaatct  | cggaaaagac | gctacgggag  | atgaagggtca | 1998900 |
| cagagggaca  | ggaatggatg  | ccacagaaga  | acggaaaagc | caacacggtg  | cagttcaact  | 1998960 |
| actacaagga  | cggagtcttg  | gttaacacca  | agttcagaac | aggcgacaag  | tgcttcaagc  | 1999020 |

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|             |            |             |             |             |            |         |
|-------------|------------|-------------|-------------|-------------|------------|---------|
| tgtgctcggg  | agcagaactc | ctcccctaca  | acatcgacgc  | aatcaaggga  | acaaaggagt | 1999080 |
| gcatcattac  | cgaaggagaa | atggacgcat  | tgagcttctg  | ggagataggc  | agacacgacg | 1999140 |
| tggtcagcgt  | accaaacggg | gcgaacgcaa  | acctctccta  | cctcgacgac  | tacatagaaa | 1999200 |
| catactttga  | cgacaaggaa | acaatctaca  | tcgccagcga  | tacagacaca  | aagggaacaa | 1999260 |
| tgcttcgaga  | cgagctcatg | cgcaggtttg  | gagcggaaag  | atgcagggtg  | ctggagtacg | 1999320 |
| gagaaggatg  | caaggacgca | aacgaacacc  | tccagaagta  | cggaaagcag  | tcccttcttg | 1999380 |
| aatgcttgca  | gaacgcacca | gaaacaaagc  | tggaaggaat  | attcacggtg  | tcagactttg | 1999440 |
| aacagagcct  | tgatgcgata | ttcgaacacg  | ggctgcagca  | gggagtaaca  | ataggacacc | 1999500 |
| cgaactttga  | caagctgtgc | agtttttgaga | caaaacgatt  | gtgcatcgtg  | acaggaatcc | 1999560 |
| cagccagcgg  | aaagtccgaa | ttcatcgacg  | aaatagcgga  | acggctgaac  | atcagatacg | 1999620 |
| ggtggcgttt  | cgcatacttc | agcccagaga  | acgcacccct  | cgagtaccac  | gccagcaagc | 1999680 |
| tgatagagaa  | gttcaactga | aaacacttct  | ccaagcaata  | cctcggtatg  | ggagagtaca | 1999740 |
| agcacgtaaa  | gaaccacatc | gagaataact  | tcttttttat  | cagcccaaag  | gaagacttca | 1999800 |
| agctggaaac  | aattctggat | cgtgcgaaat  | tcctcgtcag  | aagaaaagga  | atcaaggcac | 1999860 |
| tggtcataga  | cccgtacaac | agactggaga  | gcgaacaggg  | aaacagaagc  | gagacgctat | 1999920 |
| acatcagcca  | aacgctcgac | aagctgacga  | actttgcgca  | gagaaacgac  | attctgatta | 1999980 |
| tcctcatggc  | gcacccaacc | aagctgccaa  | agaacaagga  | cggagtattt  | gaagtaccga | 2000040 |
| ccctgtatga  | tatcagcggg | tcggcaaaact | ttttcaataa  | ggcagatttc  | ggaatcgtcg | 2000100 |
| tgacccgaga  | ccgaatcaac | aacacgacag  | aggtgcacgt  | tcagaagggtg | aagttcaagc | 2000160 |
| acctcggaga  | atgcggaaca | gcaatcttca  | aatacaactt  | gaacaacgga  | agatacgtcc | 2000220 |
| catacaacgg  | aagcaacgag | gtcgactggg  | acaacaccaa  | ccacctgctc  | gaaatggaaa | 2000280 |
| caaaaaagat  | acagcaggct | atggaggaat  | cgagacttga  | cttcggagaa  | acaacaccag | 2000340 |
| aggacgatat  | gccgtttctg | ccagcagcat  | cagaagactg  | cccattttta  | caggattaga | 2000400 |
| aaataacagg  | gaaaccgaca | acatacaaca  | aaatgaacaa  | aaaaagagtt  | tacatcagcc | 2000460 |
| tgccgattac  | aggatatgaa | ttgcaggaac  | ggaaagaata  | cgcaaaaaga  | accgcatcaa | 2000520 |
| aggttcaaga  | gtacctaac  | gaacaaggag  | caaaagactt  | cgaagtgata  | acaccgtttg | 2000580 |
| acatctgccc  | agaagaagga | ctgacctacg  | cacaatacat  | ggcgaggggac | atcgaggttc | 2000640 |
| tgatggaatc  | ccacctcgtg | ttcctgtgcg  | aaggctggta  | tcaaagcaca  | gggtgcagga | 2000700 |
| ttgaacgatt  | catcgcagag | aggatggaaa  | tccccataat  | cagagaagca  | caccattttc | 2000760 |
| caaccttaag  | agagccgata | ttcaaatgac  | agcaggaaaa  | gcaaaggagt  | caagatggaa | 2000820 |
| agaatagccg  | acaaccagat | atgcgtaaag  | ataagcgtga  | gcagcgacac  | cagaaaaacc | 2000880 |
| attgaagaag  | tggtttatta | caggaacagg  | ctgccgatgg  | cgattgtgga  | gaaatggcgg | 2000940 |
| tggtatttcg  | agtacctcgc | agccagagtg  | aagggttagac | accatacag   | gagagtggag | 2001000 |
| ctggtggtcg  | tacaccagac | ccttctccaa  | gggcaggaat  | acatcgagaa  | gaagaccgca | 2001060 |
| gacctcctgc  | gagcgaagcg | gtctcaattg  | aagcgaatcc  | agaacgagac  | catccacgac | 2001120 |
| gatgacctct  | tcggatacaa | gaaagagcag  | cgttcctgca  | agatagaaaag | cctgcaggaa | 2001180 |
| cagataaaaa  | ggctggagcg | tggagagggtg | gactttttacg | tgccaccgac  | ctacatcaac | 2001240 |
| cgaataaaagg | aatggattta | aacagataac  | agaaatgatt  | tgaagcctat  | gaacaaaata | 2001300 |
| acatttgaaa  | aggcaaaagt | aattctcgat  | gagattgata  | gagccaaaag  | cacacttgaa | 2001360 |
| aaaatcagta  | aaacagacag | catttactac  | aaaacccag   | atatggacgg  | aggatatata | 2001420 |
| gaggggaaat  | ttgtagcgtt | ttacaacaga  | gataacaaag  | aattaaagca  | ggctttaacc | 2001480 |
| gagttcttca  | acaggaagat | aagcgagatg  | gaacaagaat  | ttgaagcatt  | ataatcaacg | 2001540 |
| aatatgaaaa  | caaagaccta | cgttttaaca  | ttatcgaaat  | ttttcccaaa  | gacacataaa | 2001600 |
| agagctgggg  | aagaaaccga | atttgagcta  | aagttcgtgt  | tcggagggtac | actggataaa | 2001660 |
| aagcacacta  | tacgggcgaa | ttacaacctc  | tggaatatac  | gaatagaaga  | agtacaggca | 2001720 |
| ggaagggtcg  | ttttatcggt | aaggcagtgg  | acgggcatgc  | catacaggag  | caaacaaata | 2001780 |
| gagattgcaa  | ggctaacagc | agagaacgga  | ataggaattc  | agaaacttaa  | aatgattgat | 2001840 |
| ttattcagac  | cgacaacgat | aaatggacgc  | aaagttgaat  | taccagagtt  | ggcagcaaac | 2001900 |

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|             |            |             |             |             |            |         |
|-------------|------------|-------------|-------------|-------------|------------|---------|
| gacggattga  | catacaacga | ctgggtagaa  | tggttcagaa  | agtacaactt  | aagagaacca | 2001960 |
| ttggctatca  | tacactttac | aagttttaga  | tattaacaaa  | acaggaatca  | gaaatggaaa | 2002020 |
| caaacaacta  | cgaagcata  | aaggaaaagc  | tgaaaaagct  | gagtgccctt  | gcggaacgag | 2002080 |
| gggtaaacgg  | agaagccgag | aacgcaaaac  | gagcaatcga  | gaggatctgt  | gccagtagc  | 2002140 |
| gcatcaagct  | cgaggacata | ctggattcta  | acacggtaaa  | gacatacagg  | tttaagattg | 2002200 |
| gacgtggaaa  | gctggacatt | aggctgttcg  | tccaatgcta  | tgcaagatt   | acaggcgaga | 2002260 |
| aagccatgaa  | gtacaagcag | tacacaaggg  | acaccattac  | aaccgagctg  | accccgttac | 2002320 |
| aggcagccga  | actgaacagc | ctgttccaat  | ggcacaagga  | gaacttcaag  | aaggaaatgg | 2002380 |
| agcagatcca  | gaaagacctc | atggacgcat  | acgtatcgaa  | acatcgata   | tacagagata | 2002440 |
| aatcggaaga  | tgaggacgaa | gaggaacagg  | aagagcttac  | cccagaggaa  | atgcatcggt | 2002500 |
| tgtttaagat  | gatgcaattg | aggggaacgt  | tcagcgacag  | aacataccag  | aaacaacttg | 2002560 |
| aaacaaagaa  | cgattaaaaa | acatacagaa  | atggaagtag  | gatacgaga   | cagaatcaaa | 2002620 |
| agagagcttg  | cacatttgga | gagaacggct  | gtaacaaaga  | agcagcgcat  | caaagcccta | 2002680 |
| aagaggataa  | acgaaatcaa | gcgagagtag  | ctgcagatga  | tggacgagga  | gaagaaggag | 2002740 |
| aatgaatgca  | tcctccagat | tacggaacgc  | aaatgctccg  | agaaaatcca  | gccagaaatc | 2002800 |
| aaggctcggga | aacgatacct | catcaagggc  | agggaaaagc  | tggcagacgg  | aacggaagtg | 2002860 |
| gttggtctgg  | tcaactggga | acgctccaag  | acagaaaaga  | agctcaagac  | catgcatgac | 2002920 |
| aatgcgaagc  | gtttctcgtg | gagaaccgtg  | accgaggagc  | aggcaaaaga  | ggaatttctg | 2002980 |
| aaggaggaa   | caaagagagg | agcagccgaa  | ctccttcatt  | gtttcaactt  | cgaggaacac | 2003040 |
| atgcagattg  | cgtttgtacc | gctcatcatc  | atccattgct  | catgggctga  | ttgcgacaag | 2003100 |
| gttctccaaa  | tggcagcaaa | gctgcggata  | agcgaaacaa  | agaagctggg  | acgagccgtg | 2003160 |
| aaggagctga  | aacaggctta | ctacgacgag  | ctgaagaaag  | acctcgacta  | caaacatttg | 2003220 |
| aaacaggttt  | cagaccaagc | ggaagagttc  | atgaatacgt  | gcgcaaaaaga | cttcatgatt | 2003280 |
| atggagttca  | cgattcgagg | ggaaatactg  | aaggtttacc  | cagacgaccc  | gtacatcgac | 2003340 |
| atgagggtct  | acgcatttgc | aagcgtcctg  | ctttgcgatt  | actacgtgaa  | gcacagccac | 2003400 |
| gaatgcgata  | agatgatagc | agccagactg  | catcgagag   | agaccagac   | aatgacaaac | 2003460 |
| ccgaagatag  | attcactcag | aacctgcatg  | gatgcataca  | caggaacggg  | ggaaatcaat | 2003520 |
| ctcaagcaaa  | acgtggagct | ttgcgtcaga  | gtatttgcga  | acaacctcaa  | aaaaataaac | 2003580 |
| ttcacgctgg  | atcacgagca | aagaatcgga  | attcagcaat  | aaccaacaat  | ataaattttt | 2003640 |
| tacaaacatg  | gaaattacag | gaagaataat  | cgcagcgtgc  | gaggtaaaaag | gcggaatctc | 2003700 |
| gcagagaaca  | ggaaatgcat | ggaaatcaca  | ggaattcgtg  | ctggagacac  | aggagcagta | 2003760 |
| cccgaagaag  | tgcgtgttta | acgtgttcgg  | agaagataag  | ctgaacgcat  | tcaacatcca | 2003820 |
| gataggcgaa  | accctcaaag | tgcagattga  | catcgatgca  | agggagtaca  | acggacgatg | 2003880 |
| gttcaacagc  | atcacggcat | ggaaggtgga  | gagaccacag  | gcgcaggcac  | aggctccagc | 2003940 |
| cccacagcag  | ccagcgtacc | aacagccagc  | accgcaacct  | gcataccagc  | cagcagcgac | 2004000 |
| gacgaatgac  | aaagacgacc | tcccgttctg  | accagaccgg  | aggacgtgaa  | caaccgaagg | 2004060 |
| aggaggatgc  | atatatgcac | ctccccttct  | tgcgttttat  | gaataatcga  | aaataaagcc | 2004120 |
| atatgacagc  | gaaaaaagaa | aaacagggtac | aaatacccac  | gaaagcaaag  | aaaagccagc | 2004180 |
| agaagcaaaa  | taacgcacca | aaatacgacc  | tttttacggc  | tttatgcaga  | agcgacctaa | 2004240 |
| aggtggaatg  | cgtgaaggaa | atgagattcc  | acccgaaaag  | gatgtggagg  | tttgactacg | 2004300 |
| caatcccaga  | acacaggata | gccatcgaag  | tggaaggcgg  | tgtctggact  | ggaggaagac | 2004360 |
| acaccagacc  | gaaaggattc | ctcggggaca  | tcgagaagta  | caacacggca  | accgtaattg | 2004420 |
| gctggagact  | gctccgaaca | acaccagaag  | aactgggtatc | aaagaagacc  | gtagacatga | 2004480 |
| taaaaaccat  | catttctggc | gagttttcgc  | acgaaaacag  | ctgaaaacag  | ccaaaaaagt | 2004540 |
| gattgcaata  | caatcatttt | gagtattttt  | gtgcaataac  | aaaacccta   | acagcgaaaa | 2004600 |
| gaaatggcaa  | aacagcgaaa | agaaatgcac  | gaaacagacc  | cgatagtaga  | cttcggagac | 2004660 |
| atcggaact   | ttgatgtacc | agacatcgat  | gcgtcccttg  | tcagctttat  | cccagcagat | 2004720 |
| gaagccgagg  | agaccagata | cacgaaccca  | aaggcagtc   | agcaggaaac  | ggaacaggtg | 2004780 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| atgtttgaca  | acgcatggga  | aatggcgaag | ggaataacca | tagaccgagg  | acagcgtgtc  | 2004840 |
| gatgcgttcg  | tttctggaaa  | cttcatattc | ggggacttca | tcgaagcatt  | tctggcaaca  | 2004900 |
| aggaacgcca  | gagcaaagga  | aatgacgata | tccacccttt | cactgaacca  | gaacaacatc  | 2004960 |
| gattcactgg  | cagaactgat  | gcgctacaat | tacatcgga  | agctgaacct  | cgctcgtttcg | 2005020 |
| gtttacttct  | ggggcaacga  | acggcactcg | ttgattccat | acgcctacag  | ggaactggac  | 2005080 |
| gtggacgacc  | gattccaact  | ggctgtagcg | gatatccaca | ccaagaccgt  | gcacttcgag  | 2005140 |
| accgagggag  | gaaagaaaat  | cgtcattcat | ggcagcgcaa | accttcgtag  | ttcgggcaac  | 2005200 |
| atcgagcagt  | tcacgctgga  | ggagaaccca | gacctgtacg | atcttctacga | ggaaaaattc  | 2005260 |
| aagctcctca  | tagcgaaata  | cgggactata | cgccacgcaa | tcagagcaaa  | ccaagcgtgg  | 2005320 |
| gactacatca  | acaggaaaca  | attcaagtaa | ccaaccagaa | aggaggtaaa  | tatggcaagt  | 2005380 |
| ggaagcgaaa  | gtcacagcag  | cgaagcaag  | ataaagggct | caaccgcagc  | aaaggggctg  | 2005440 |
| ctctcctcct  | acgcaggagc  | gtggaatccg | agcatgaaca | ctccgttctg  | aacagagaga  | 2005500 |
| tagcaccaga  | cagccccaca  | aaggacaatg | agccgaatgt | ggggcgttta  | cgattgaatt  | 2005560 |
| tataaccaat  | acccaatatt  | acacaggatg | gaaacgatat | tcattgattt  | ggggcttata  | 2005620 |
| caccccaatg  | acgggcagct  | ggaaggactg | ccgaagaacc | cgaggttcat  | cagagacaac  | 2005680 |
| aaatacaaga  | agttagtcca  | gagcatcaag | gacgaccag  | aaatgctgga  | gcttcgagaa  | 2005740 |
| ttgctcgtgt  | acgacacagg  | cgacccttca | ctccagtaca | tcacgtcgg   | tggaaatatg  | 2005800 |
| cgctacaggg  | caataaaaaga | gctcggctac | accgaagcac | catgcaaggt  | cattcctaca  | 2005860 |
| ggattctcca  | tcgagaaaat  | gcgtcgcac  | gtgctgaagg | acaactccag  | cttcggggaa  | 2005920 |
| atggacttcg  | aagcactcat  | caacgaatgg | agcatggagg | aaatcgaatc  | tgacagccatc | 2005980 |
| gatgtgccag  | acattgaaga  | accagaaatc | gaggaggaag | cgaaggacga  | caactacgat  | 2006040 |
| gttgaagcga  | acacaccaga  | agaaccgaaa | gcaagactgg | gagacatcta  | catgctcggg  | 2006100 |
| gaacacaggc  | tgatatgcgg  | agacagcacg | aaggacaagt | acgtcgaagc  | cgatgatgtg  | 2006160 |
| ggcgaaaatg  | cagaccttct  | gcttacagat | ccaccgtaca | acgtgaacta  | tgaaggagga  | 2006220 |
| acagggctga  | aaatccagaa  | cgacaacatg | gaggactccg | tattcttgaa  | tttctccac   | 2006280 |
| gatgcattcc  | agaccgcaa   | caggaacatg | agagaagggg | cagccttcta  | catctggcac  | 2006340 |
| gcagacagcg  | aaggttacia  | ctttagaaca | gcgtccagac | tgggtgggctg | gaaggtgcgc  | 2006400 |
| caatgcctca  | tatggaacaa  | gaacgccctc | gtgctgggca | gacaggacta  | ccagtggaaa  | 2006460 |
| cacgaaccgt  | gcctgtacgg  | atggaaggaa | ggagcagcgc | actatttcgt  | agacaagcgc  | 2006520 |
| aaccttacca  | cggctcatcga | gcagcagctg | aagaagctgg | aggacatgac  | aaaggacgaa  | 2006580 |
| atgaaggaac  | tgctcaagca  | gatccagaac | gaaatgcctg | tgtcggtaat  | tgactgcgac  | 2006640 |
| aagccgtcca  | agaacgaaga  | ccaccaacc  | atgaagccag | taccgctcat  | aggacagcag  | 2006700 |
| atgctgaact  | ccaccagaag  | aggagatatc | gtcctcgacc | ttttcggggg  | tagcggaaaca | 2006760 |
| acgctcatcg  | cagcagaaca  | gctcggtcga | aagtgccgaa | tgggtggaata | cgaccccaag  | 2006820 |
| tatgtggatg  | ttatcatcaa  | gcgatgggag | aaaatgactg | gagacaaagc  | agaattacta  | 2006880 |
| acaaacatcg  | atgatggaac  | agcagacaat | gaagaaaaga | atgacggaag  | cacagctcaa  | 2006940 |
| taacatcaaa  | gggcacgaat  | tcaagaaggg | acaaagcgg  | aaccccaaaag | ggagaccgaa  | 2007000 |
| gaaccgaata  | aacaagctgc  | tggcagaaat | gctccccaga | agccgaatga  | agacgctcaa  | 2007060 |
| acaggagctg  | acacacgagg  | aatcaacac  | catcgagaag | caggtgctac  | agctcgagct  | 2007120 |
| gtcggacttg  | cagcttatcg  | ccaaagcaga | ccagacacca | gcgtacctca  | aaacgctggc  | 2007180 |
| tatggcgata  | atcatcgaca  | tgaagaacgg | aaagaccacg | accgtggaca  | agctgcgaga  | 2007240 |
| caggcagtac  | ggatctgtta  | agcagaacct | cgaggtgcag | ggagaattga  | gcttcagcca  | 2007300 |
| gctcctaattg | gaaacaggaa  | tgatagacga | gaatggagaa | ttgacagact  | atgatgaagg  | 2007360 |
| cgcacaggaa  | tagcccgtgt  | ttttcgatgt | gtgcgctttt | ttcgtccgag  | aagagtaaac  | 2007420 |
| gtacaccaga  | acaaaaaaac  | agcgagaaat | cgaaaaaacg | gataaaataa  | ctcaatatgc  | 2007480 |
| gaaactacga  | aaaggaacaa  | ctggcaatga | agcgactgat | gcagctctgg  | agacaggact  | 2007540 |
| ggaacagatt  | cgttcgggat  | gcgctcgggg | tcaagctgga | cagcgaacag  | caggaaatcc  | 2007600 |
| tgcactccgt  | tcaattcaat  | ccaagaacga | gtgtagccag | cgaacagcc   | agagggaaaag | 2007660 |

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|             |             |            |             |            |            |         |
|-------------|-------------|------------|-------------|------------|------------|---------|
| acttcgtggc  | agcgtgtgct  | gcatgtcct  | tcctgtacct  | tacgccccga | tggaacagca | 2007720 |
| gaggggaaat  | ggtcgcaaac  | acaaaggtcg | cattgacagc  | accaacggac | aggcaggtaa | 2007780 |
| agaacatcat  | gatgcccga   | atatcacgcc | tgtggaacag  | ggcaaaagcc | agaggactcc | 2007840 |
| agcttacagg  | gaaactgaac  | tcatacgaca | tcagaacgga  | aaacgacgaa | tggttcttga | 2007900 |
| caggattcaa  | ggcagacgag  | cacaaccatg | aagcgtggtc  | tggattccat | gcagtgaaca | 2007960 |
| cgatgtttgt  | tgtgaccgaa  | gcgtctggta | tcagcgatga  | cacgttcgca | gcgattgaag | 2008020 |
| gaaaccttca  | aggaaactcc  | cgtattctca | tcgttttcaa  | cccgaacacg | accgtaggat | 2008080 |
| acgcagcaaa  | gagccagaag  | ggggaacgat | ggaacaaatt  | cagactgaac | agccttacag | 2008140 |
| caccgaacgt  | ggtgcagcgg  | aaacaggtca | tatcgggaca  | ggtggactac | gaatgggtgc | 2008200 |
| aggacaagct  | cgagaactgg  | tgcatgagga | tatcgggaaga | cgaagcaagc | gaagagaacg | 2008260 |
| acgacttctg  | ctttgaagga  | caatggtaca | gaccagaaga  | cctgttcaga | atcaaggtgc | 2008320 |
| tgggaaaatt  | cccgaagggt  | tcggaggacg | tgctgatacc  | acagcagtgg | atggaaatgg | 2008380 |
| caatggaacg  | atggaaacag  | gcgaatatga | ccgagaacga  | ctacaggata | aagaaagaaa | 2008440 |
| tagacattct  | cggtgtcgat  | atcgaggtga | tgggacgaga  | cagctcgtgc | ttcgtccgaa | 2008500 |
| gacgtggatt  | ctatgtgcag  | aaaataatct | ccagaaacag  | cggaggacag | gctgaccaca | 2008560 |
| tgagggacgc  | aggcgatatc  | atggcgttac | gcaggcagaa  | ccccgaaatg | tacgtaagca | 2008620 |
| tagacaccat  | cggagaaggt  | gcagccgtat | tctccagatg  | cgtcgagcag | gaagacaacc | 2008680 |
| cttcatacat  | tatcagctgc  | aaatattccg | aaggagcgaa  | aaactcgagc | agggaactga | 2008740 |
| ccgacataac  | ggggcagtac  | aggttcacga | atatgagagc  | gtacctgttc | tggtgcgtcc | 2008800 |
| gagattggct  | caacccgaaa  | aacggattca | acgccatgct  | accaccagac | gagggactcc | 2008860 |
| tgaggaagc   | gaccgaaata  | cgctggcttt | tcagatccga  | cgggaaaatc | atcatagagc | 2008920 |
| caaaggacga  | catcaagaaa  | agactgggac | gttctcccga  | taaattcgat | tactggcgca | 2008980 |
| acaccttcta  | tcctatcgaa  | aagcagaaga | acaagataga  | cctcggaagg | attgccaaag | 2009040 |
| caataagacg  | ataacctcaa  | aaaacaacga | ttatgacaat  | tgaagaaatc | ctaaacagca | 2009100 |
| cagaactcag  | catcgagcag  | aaaatagccc | tgctgaaaga  | gaaaacgatt | acaatcccaa | 2009160 |
| cgtggggagg  | tgttcgaggt  | cttgaatccc | agtacaaccc  | caaaaaacac | ccagtgatga | 2009220 |
| acaaggcgaa  | atacccagac  | atcatcacgg | atgaaggcgt  | gcagccagta | accagaataa | 2009280 |
| ccgtagacct  | gcagagactg  | gcagtaaagc | gaatgacgga  | actggtggca | ggaatcccgt | 2009340 |
| tcaagcgagt  | gtacagccca  | gaaaacgaac | agcagaagga  | aatcgccaca | ttcatggagc | 2009400 |
| agatatccca  | gaaaaaccgc  | atcgattcat | tcaatatcga  | gcgattgaac | atgctgtatg | 2009460 |
| caggggtgca  | ggtcatgacc  | ctttggtatg | ccgtggaaca  | ggacaacgaa | atgtacggat | 2009520 |
| tcaagagcaa  | gctcaagttc  | agatgcagga | acttctcccc  | tatgctcgga | gacgacctgt | 2009580 |
| atccgctctt  | cgatgaatac  | ggggacatga | ccgcaatgtc  | catcggatac | cagaggaagg | 2009640 |
| tcggaaaagaa | gacaatccag  | ttcttcgatg | cctacacagc  | cacgagacac | atcaagtaca | 2009700 |
| gcaaccagac  | aggcagctgg  | caggagattg | aaaacgacga  | catcagcaaa | atcggcaaaa | 2009760 |
| ttccatgcat  | atacgtgtac  | cgtccgacac | cgatatggga  | ggattcatca | cggatcgtgg | 2009820 |
| aggaaaatcga | gtggtcgttg  | agccgaaacg | ggaactatct  | gcgtgagaat | tcgaagccat | 2009880 |
| tgtttgccct  | ttttgcagat  | gagattgtgg | actacggaaa  | cgagaaatcg | ccaaataagg | 2009940 |
| aattcaagag  | catcctccag  | ttcccgaag  | gaagcaacgc  | aggatacatc | acgtgggaac | 2010000 |
| atgctacaga  | tgcgctaaaa  | ttccacgtgg | acacattgag  | gagcttggtc | tttaccagc  | 2010060 |
| tccagctgcc  | agactggaac  | tacgagaaga | tgagccaaca  | ggcgatgtct | ggagagagca | 2010120 |
| ggaagcagat  | gttcacatgat | gcgcagctaa | aggtcaagga  | cgagagcgga | cgcctgcttg | 2010180 |
| aagggctgga  | caggggaagt  | aacgttatcc | gagagtccct  | caagctggca | ctcccagaaa | 2010240 |
| aatactgggt  | agacatcgag  | cgactcaagg | tcaagaacga  | aataaccccg | ttccagattg | 2010300 |
| gagacgacaa  | ggaaaccatc  | gagaacctgc | tgctggctaa  | tggcaacaaa | ccgctgatga | 2010360 |
| gccagaggga  | cagcatcgaa  | gcctacggaa | agagcgatga  | cgtggagaag | accatgctcg | 2010420 |
| agatagcgga  | tgagaacaaa  | gccgacctgt | tcgaaccaac  | ggtatagacc | gccagacgca | 2010480 |
| cagaaacggc  | tcaaatttga  | actttaacac | agaagacgga  | ggatttatat | ggcagcacga | 2010540 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
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| gattgtgcct  | tatcatatga | ctggcatgat  | aaagcgcacg  | atggaagttt | aatcctttgc  | 2010660 |
| aggtgtccac  | acaaacagca | gggaggaaag  | ttctgtatct  | tcctttcaga | ccgtgcatgt  | 2010720 |
| gaaaaattcg  | ttcaaagaac | agaaggagga  | acagatggcg  | gacaagtaca | atgacaagac  | 2010780 |
| aaagaagtac  | gacgagctac | actccaagag  | actcgccagc  | attgaacgca | aaatcaaggc  | 2010840 |
| agcatacaaa  | aaggctgcgg | aggatgcgtc  | gaagctggcg  | acagctcctc | atttaagctc  | 2010900 |
| gaagaagacg  | tacaagctcg | atgattaccc  | acaggcaaag  | aagcaagcgg | acaagatcct  | 2010960 |
| cgaggagctg  | cagcagagcg | tggagacaat  | catcgtcaac  | ggcatagaat | cggaaatggac | 2011020 |
| gctcgccaac  | aacaagaata | acgagctgtc  | ccagattgta  | ttcggggaca | acgtgggaag  | 2011080 |
| cctttcagac  | gagatgtacc | agcgggtactt | cagcaacaac  | catgaagcat | tacaggcggtt | 2011140 |
| cattgctgaga | aaacaagcag | gactgaacct  | gtcagacagg  | gtatggaaat | acactggagc  | 2011200 |
| attcaaggac  | gagatagaga | ccgcaataga  | cctcggcatt  | cgttctggga | aatccgctgc  | 2011260 |
| cgaaatttca  | agagatgtgc | gttcatacct  | tcagaaccca  | gacaagctat | tcagaaaagt  | 2011320 |
| caaggacgaa  | tacggtaaac | tccatctttc  | aaaggctgcc  | aaagcgtacc | accctggggc  | 2011380 |
| tggcgtgtac  | aggagcagct | acatgaacgc  | cagacgactg  | gcagtgaccg | aaacgaacat  | 2011440 |
| tgcatacagg  | acatctgact | acatgcgcca  | gcagcagctg  | gacttcatcg | tcggaattcg  | 2011500 |
| catcgtattg  | agcaacaacc | acaactgcaa  | aggagtctct  | gcagggatgt | tcttcgatat  | 2011560 |
| ctgcgacagc  | ctacagggaa | actaccccaa  | ggacttcaag  | ttcacgggat | ggcatccaca  | 2011620 |
| ttgcagatgc  | cacgtagaaa | ccattctgaa  | aacgccagaa  | gagctggaga | tggacacaga  | 2011680 |
| gaggattctg  | gcaggaaggc | agaccacgaa  | cacctcgaag  | aacaaaatca | aggacgtacc  | 2011740 |
| gaaagcattc  | aaggaatggg | taaaggacaa  | tgaggacagg  | attctggcag | ctggggacaa  | 2011800 |
| actcccgtat  | ttcctgcgtg | ataaccagca  | aacgtaccag  | aggattctcg | gaatccagcc  | 2011860 |
| agagactccg  | attgcgccta | cagcaacggc  | actggagaaa  | gcagccatca | gacatgcagc  | 2011920 |
| cagaacccca  | gaacagcaga | aggctatcat  | agacgcattg  | aacaaacgta | aggagcagta  | 2011980 |
| cgcagtcatt  | gagaaggaag | gaaagcaaat  | ggacgcattg  | ttcaaggaca | tcagcgatgt  | 2012040 |
| ggacacaaaa  | gccctcgaga | aggctctgaa  | gaagtacgac  | ctaaagaccg | tcaagacgga  | 2012100 |
| agctgcaaa   | ctgaagaaga | taaaggacga  | gctcgagtcc  | tgcgaatgga | tagagaaccc  | 2012160 |
| gatggagatg  | gcgaaatcgt | tctcggcaaa  | ggcagtacgg  | gaaaccgaaa | aggacttcgt  | 2012220 |
| gttcagaatg  | gatctgtggc | agaagaagta  | caagtacgga  | aagttcacgg | atgcaccgct  | 2012280 |
| ggaacatcag  | aaggcaaaac | tgcaatggga  | gcttacagac  | gagatagcag | caggaaaata  | 2012340 |
| caagcatcca  | gatttagcaa | tgaaggcatt  | gcagaagaag  | ctggacgacg | tacaagacaa  | 2012400 |
| gctggaattc  | gaggaattcg | ctgccgtaca  | ggaggaattc  | aaacaattcc | agaagctgca  | 2012460 |
| taaatcctcc  | gttcttgaca | agcaaatcaa  | ggaactggac  | aacgcaatca | aggctcacga  | 2012520 |
| caagaactcc  | gtaaagaagg | cgatatcaga  | actcgaggag  | accagaaga  | agctggaagc  | 2012580 |
| aacagtcaag  | aaagcgaaac | cagcaccgaa  | ggtaaacctc  | aaatcgccaa | acaagaacgt  | 2012640 |
| aagcatccag  | agcaacgaga | acacagtcaa  | taactttatt  | gctggaggaa | acaaaccata  | 2012700 |
| ctcaagatac  | agcaaggaag | caacagacta  | cgatcatcgca | aacagcaatg | ttgtaagaaa  | 2012760 |
| cacattcatg  | gaatttgcca | agacgaagga  | aggtctcgtc  | ttcgaaaaag | cagagattga  | 2012820 |
| agcactggca  | aaagcaacca | gcaaggaaat  | gctggacgca  | gaggttcgta | aattgagaaa  | 2012880 |
| caaatactgg  | agaaatacca | gcgaagtaag  | gaaggtttca  | gaacttggtg | atgaggttta  | 2012940 |
| caaagaatgc  | gaaatgcagg | cacgttccgt  | gaacaacttt  | acataccaat | gggattatga  | 2013000 |
| aatccgccag  | ttccagagag | gaaaggctgt  | aaagtcttat  | cacggacaca | cgaaagccga  | 2013060 |
| aatcaaggaa  | agagcggaat | ccgtagaaag  | atttattgca  | tgtgcaccga | aatggaaggg  | 2013120 |
| aggagataca  | ttcagaggaa | tgagcctgtc  | gaacgaagaa  | ctggaagcgt | tgataaagga  | 2013180 |
| catgaaggat  | ggacagggag | acatgctcgg  | aacagcttca  | tggagttcac | tccagaagggt | 2013240 |
| atcgcaaggga | ttcgcatcca | gacacctcgg  | agaatttgat  | gtaaacggaa | acgagaaaac  | 2013300 |
| cgtccgagta  | ctgctaaaag | caaagagcca  | caaacgagca  | acgcccataa | tgcacctgtc  | 2013360 |
| ggaattctcg  | tacgaagcgg | aatcctgttc  | gtcgcaatat  | gagcgatgga | agttcgtcaa  | 2013420 |

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| gatgacgaaa  | aaaatcatca | atggcgatga | attcacgatt  | atcgaggctg | aaccagttta | 2013480 |
| agccagatat  | tctggaagga | cagcatccaa | aaagaacgac  | gcctcgctct | ttggagcgac | 2013540 |
| atcggaataa  | tggcaaagaa | gctcgaacat | tatggcacgg  | aggtcaagcg | gaatatccaa | 2013600 |
| gaaatccgca  | ggctttcgtg | ccaattgcat | atgctcgta   | gaaagcccag | acttaacaag | 2013660 |
| caagagaatg  | gaggactgct | gggcatcccc | accattatcg  | accacaact  | tctcagactc | 2013720 |
| ccagaagaga  | gaagcacgac | tattcaagaa | ctgggaagga  | cactcggtct | cacctttgta | 2013780 |
| aaaacggcat  | tttgccaaaa | gatccttttt | catacgatac  | gtattttgag | ttaataaatc | 2013840 |
| aagttttgcc  | acgtgttcga | ttttccaaac | gaagtgaagc  | aatcatgcct | actcgggaga | 2013900 |
| gttaagacgt  | agggcatttg | tggagctttt | cggttttcgg  | attagctcct | cacgtgtaat | 2013960 |
| aacgcacttt  | tccccgaaat | agggattgcc | gtccgctggt  | ttcttgttcc | agagcgtgcg | 2014020 |
| aagggcaaca  | ccaagctgct | gcggagagaa | cagctcgtag  | attgcagcca | gagaaccgaa | 2014080 |
| gtagaacgtc  | atgctggtgt | cgccatcaat | aggcgggtgc  | gggaaagcaa | cccgatagat | 2014140 |
| gtattcctgt  | ttttccattt | ttcatttttt | tttgataccg  | ccaccaccg  | agggacaggc | 2014200 |
| gacgagtata  | cgtaagtata | cgatattctt | ttctttactc  | tcctatactt | tgcgggtttt | 2014260 |
| tgtttacgga  | aaacccgttc | agctggagtt | tccgcaacgg  | aaaacccgtt | cagctggagt | 2014320 |
| ttcagaccat  | gaaaacaaaa | gaacaacaaa | gaaaccataa  | aagccagttt | ttgcaaagtt | 2014380 |
| acgagaaaaa  | gccgaaaccg | aagaaaataa | caaaagggtat | tttattgaat | aaaatcccct | 2014440 |
| gccaacgtc   | agaaggataa | gttatggctt | tttaccatgc  | aataaatgga | gtttccgtcg | 2014500 |
| cagaaatcca  | gctcaacggg | atttttgtca | acagaaacc   | cactgaacgg | gaacactgca | 2014560 |
| aaacaatcaa  | atgaattttt | ccacattggg | gaagtttttc  | agaacctttg | ccctcaaaag | 2014620 |
| agcctcctgc  | ttctccccgt | cgcaaacacg | accgtcggaa  | ggattcttga | agcgatacgt | 2014680 |
| cgtgtagcga  | gctacaggcg | gaagaccctg | tctccagctt  | tcaacagatg | cgaacacaga | 2014740 |
| gaccgaagtc  | ccatattttc | cgtgatgcct | tgggatgttg  | tagtgaaatt | ttgcaatcat | 2014800 |
| atttttttta  | tttagcgtaa | aacgaaattt | taagaccacg  | acggagcttg | caaacgcaaa | 2014860 |
| cgctctccat  | gctactgaag | gcacggtcaa | ggaacttggt  | cagcagatcc | acgccaatca | 2014920 |
| aagcgaccag  | accagcaaca | ccgaccagct | tgtaaatgct  | atgaccagca | gcatcgatgc | 2014980 |
| cgtacacttt  | caaacggaaa | ttacgattga | taaccgaagt  | tgagtaattg | aggattgaac | 2015040 |
| actttttcat  | aaggcacagg | atttaaaatt | tgattgaaac  | gaaatcgaag | cgaatgatgg | 2015100 |
| cagaaaccaa  | atcttccaaa | cagcggaat  | cacgtttaat  | acgaccgaac | tgataagaat | 2015160 |
| aaacttcgtc  | gccattagtg | cgagccatag | aaatcacgta  | agtaaaacca | tcaacacgag | 2015220 |
| taacgggttac | aggataacct | tcagttacat | tgtccaagat  | tgctgcgaaa | tttgaaatca | 2015280 |
| aactaaccat  | atttaaaatt | tttagaattc | aacattagcg  | ttttaaccac | aatgcaaagt | 2015340 |
| tagggaaata  | tatcgaatat | acttacttta | tcttgctaaa  | gattgctaac | tttcaacgga | 2015400 |
| ttctgcaata  | tttctgccag | atagcccaa  | aaccacttg   | tacaggcaat | aaaaacattt | 2015460 |
| atcgtgcgtg  | aataaataaa | aaaagtgatt | gccaaacaac  | cattttaaga | aaaatcccat | 2015520 |
| atctttgcat  | atcaactttt | tagtttaatc | aaatttcac   | gagatgagac | agcaaatatt | 2015580 |
| agacgcactg  | aaagccaaat | tcacgggggt | cagcgacgca  | attctcggta | ggattgccga | 2015640 |
| caaattgagc  | aagactatca | ccaacgctga | acagattgca  | accgcagtag | agggggtaac | 2015700 |
| cttccagcaa  | gttcttgaat | cgtacggaga | cagccgagca  | accgaagccc | agcagacagc | 2015760 |
| agtccgtaac  | tacgaaacaa | agcacggatt | gaaggacggg  | gtcaagattg | accagcagcc | 2015820 |
| accgaaggag  | gacaaacacg | aagacgttcc | gtcttgggcg  | cagagcatac | tggatgcgaa | 2015880 |
| caagaaattg  | aacgaacgtc | tggacaagat | ggactcggaa  | agaacgacaa | catcaagaaa | 2015940 |
| acagcagctg  | gacgcaatca | tcgacaagct | gccagattcc  | tacaagaacg | catacaagcg | 2016000 |
| catcagcgtg  | gaaagcatga | cagaggaaga | attcaattcg  | cttgtgggag | aaatcaacac | 2016060 |
| agaagttgaa  | ggcatcatgg | cagacgtcaa | tgccaaaggc  | gcagttttcg | gaagaccagc | 2016120 |
| cagaacaact  | ggcggaggaa | gtaacgacgg | caaactcaca  | gaagagcagt | taaattgcat | 2016180 |
| ttcgacaaga  | acaggctcaa | caaaagaagg | acagccgttt  | taagtttaac | aattaaaacc | 2016240 |
| aaagcaacat  | gggaatgacc | gtaagaagag | tgaaggacac  | cagaaccaag | aaggtgttca | 2016300 |



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| actacatccc  | agaaggagcg | gttctcagcc | agccagacaa | cggaatctgc  | cacgtcgtaa  | 2016420 |
| aaatcgcaca  | ggtaatagcg | gaagtgcagc | catctggaac | agaaatcaag  | attgcgaaga  | 2016480 |
| attcgtgctt  | caaggtcgga | gacttcgtga | tgccagaggt | gggcgcaaaa  | gcctacgcaa  | 2016540 |
| tcactgcaat  | cgactacagc | aacagcgagt | acgacaccgt | aacaatcgga  | acaaccctcg  | 2016600 |
| gcaagaaaat  | cgagaaggga | gcgttcacgc | cagaagcagc | agctcaatca  | gcagacacga  | 2016660 |
| cttcagcatt  | gaagtaccag | ccattgtcga | tggtcggcac | aggaaagcct  | ttcaaagcag  | 2016720 |
| gcgacaacgt  | ggacacagac | gcatggatca | tcggagttac | aacaggcaac  | ccactgcctg  | 2016780 |
| cattcatcga  | gctgaaggga | attattaact | attaacaaaa | ggagaattta  | tgccaacaat  | 2016840 |
| tacaggaaca  | ctcatacagg | gcttgaccca | gcagatggta | caagcccgtc  | tgaacacagc  | 2016900 |
| agacgcaaca  | ccgttcttgt | ttggtacgca | cttcccagtg | aagaaggtaa  | acggattcat  | 2016960 |
| ctggagaacc  | ctgcagaacc | aaatcgagaa | aaagaacgtg | gcagcagacc  | tgcattcaga  | 2017020 |
| caactcgtca  | atccagagaa | agagacgtcc | aatcttcgaa | agcgcaagag  | gagacatccc  | 2017080 |
| gttcatcagc  | atttcacgag | aatgacccg  | tagcgaaatc | aaggactacc  | agacagccct  | 2017140 |
| tgcattcgca  | ccagacgcag | acgcaacagc | cctcgtggag | tactggggta  | acgacgttga  | 2017200 |
| cttctgcttc  | aacggtttgc | agagcgagct | ggaattcatc | gcatggaaac  | tggtttcaaa  | 2017260 |
| cgctggtaaa  | ctggcgttta | caaccacaac | aaacgcaacc | tacgcaaattg | aattcgacct  | 2017320 |
| cgactacgac  | gtagacgcag | agaagaaggt | aaaaacaacc | acagactggg  | ctaacaatatc | 2017380 |
| aagtgccgac  | attatcgagc | acttggcgaa | aatcatcaag | gaagccaagg  | ctatgaatct  | 2017440 |
| caaccggaaa  | tttgcgttta | tcaacctcga | cgagctgtac | aagatttggt  | cagcagaaca  | 2017500 |
| gatcatcaag  | gcttggtcaa | gctacatcgc | aaatgcggta | ggttcagccc  | agacaccaga  | 2017560 |
| cctcgctgca  | gtcaacacaa | tgctggcaaa | acaggcatgg | ctcaacggca  | tacagctccg  | 2017620 |
| agttatcgac  | cagaccatca | cccagagagt | cgcagacgga | acaacaacat  | ctgcaaacc   | 2017680 |
| attcgagaac  | gcacgccttg | tcctttcaga | gaccgaaatt | ctgggctcaa  | cccagtacga  | 2017740 |
| catcctgcag  | gagaacaacg | aatcaatcat | tcgtgcggaa | cgttcgcata  | ccgtcatcaa  | 2017800 |
| gaagtacgga  | acagcagaac | cgcagtcaga | ggttacaatc | ggacaggcag  | acgcagtccc  | 2017860 |
| agtatttgat  | accgcatacc | gcaacgtgta | cgtccgtacc | gatgcacagg  | agtgggaata  | 2017920 |
| aacgcagtag  | tgatggcaaa | gattatcgaa | catctgaaaa | gctccaacgc  | ctaccagtg   | 2017980 |
| ccgtctccag  | tattttctgg | agcagcacta | cgatgggatg | ttgaccttca  | agcggaatatg | 2018040 |
| acaaaggaca  | cgctcaaaag | caagggatac | aacctgtgcc | gagccgaggt  | tctggaatgg  | 2018100 |
| ctggcaaaaag | ccccgaacat | ttcgcaggga | ggacagaact | acagcttcag  | tgaagaagaa  | 2018160 |
| cgtaagcagt  | tcagaaacga | agcgcaatcc | atacgaatag | aattcgggga  | gaacgaagga  | 2018220 |
| gcaaagaaga  | cattatacgg | atacaaaggc | tcaagattat | gataatacca  | aacggaacgc  | 2018280 |
| tggaattcaa  | gacgaaacag | gttcgaggtg | cagaccgaa  | cacaggctac  | cctctcccac  | 2018340 |
| cagaggagac  | atggggagag | cctgtaccgt | gccaatacta | ccagaacagc  | aggaacatgc  | 2018400 |
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| aggcacaagg  | cgaatcaatg | agactgacaa | gcgacgacgg | cacgatcgtc  | ggagaattct  | 2018520 |
| cggctgtttc  | gattgaggag | ttgagagctg | taggacaaac | gaaaatcgtg  | atttgacatg  | 2018580 |
| gctattaaac  | aaacgacacc | acagaacatc | gtgaatgcat | acctcgacca  | agagatacag  | 2018640 |
| cgaagagaa   | aggctttgct | gtacaatctc | gcatacgtcg | gggaaatgtg  | tatcaacgaa  | 2018700 |
| gccagaagca  | cgacgaaggc | agcaaacaac | tacaaagacc | agacaggaaa  | cctccgaagc  | 2018760 |
| tcggctcggt  | acgttctggt | tcataacggc | aggatagtc  | agtcctccag  | cttcaagagc  | 2018820 |
| gtcctaatac  | gacagcaggg | agcaacagag | ggaagcggat | atgcaaagca  | actcgccaag  | 2018880 |
| aaatacagac  | aagggattgt | gctgattctg | gtcgcaggaa | tgaactatgc  | cgtaacacgtc | 2018940 |
| cagaacaaag  | gatacgacgt | tctgacgagc | gcagaactga | tgccagagag  | acttgtagcg  | 2019000 |
| aggataatga  | aacagcttgg | aattacaaaa | tgacaaagac | aggaaaacag  | atagaacagg  | 2019060 |
| atttggtgat  | gatgctcagc | gacagcatcc | tcggactttc | cattacagga  | aaggtatacc  | 2019120 |
| gaaaagggca  | gagaccacga | gactcgaagc | tggaagacgc | tgctcgtgatt | ttcacttctg  | 2019180 |

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|             |             |             |             |             |             |         |
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| acttctatgg  | gaacggacaa  | cttctggagg  | acgggaacag  | gacatcagag  | ctggaggaga  | 2019300 |
| gagcgcagcg  | atgggtcgac  | ggattgacct  | gcgacctgtc  | gaactacaag  | ttcaagctgc  | 2019360 |
| gacagaccat  | cacgacagac  | cacgaaccag  | agattcatca  | acattttgtg  | gtggtgattc  | 2019420 |
| tcgaatacga  | ttactacgca  | gacgacactg  | atgaaaaccc  | gattatctgc  | tcggaggacg  | 2019480 |
| gagacgaaat  | aaacatatct  | ccgatgcagc  | tgaagacaga  | acaaccgcac  | gcagtggaag  | 2019540 |
| tccgcacaac  | aaaagttaa   | ccattaaaca  | tcaacgaata  | tggcagtatt  | atcatggggt  | 2019600 |
| aaatgtttgc  | tcgagcacac  | gccatccgta  | gacggagcac  | cagcaccaga  | aggtccgtgg  | 2019660 |
| acggcactcg  | acacaccgaa  | ggaagactcc  | accgtgctga  | ccccaacagc  | aggaacggag  | 2019720 |
| acagtagcaa  | ccgaagaagg  | tggagacgtc  | gtggacgtta  | tgtacggaaa  | gaatacatac  | 2019780 |
| gagttcgcac  | tcgacatctt  | cgtgaagaaa  | ggaaagaccc  | gtccgtttga  | ggacaacgat  | 2019840 |
| ggtatcggtg  | agggagaaca  | cgcaatccgt  | ctgacccag   | aagacgaaga  | atgcgaagga  | 2019900 |
| atccagattg  | acagatgcaa  | gatccgtgtt  | gaagagagct  | acaataccaa  | ggacgggtatt | 2019960 |
| ctcctgcatc  | acgtttgcaa  | atgcctcaag  | ccgaagacag  | gcaacaccat  | caagccgtac  | 2020020 |
| accaaggaag  | cctaacagct  | tacttttcca  | tttctgaccc  | gaaggggtgg  | cgtaacaaac  | 2020080 |
| caccccagata | cagcagaggtg | gagcagcggg  | agctcgtcgg  | cttcatgagc  | cgaaggctgc  | 2020140 |
| aggttcgagt  | cctgccctcg  | caacaacgaa  | aaaacgcctg  | tgtgcgctcg  | ttttttccga  | 2020200 |
| gtaagggaaa  | cggacgctgg  | aaaggagaaa  | agccagcaca  | ggcgaaatat  | gctataaata  | 2020260 |
| acaacgatta  | tgaacaaaac  | gatagaacaa  | caggtctccg  | ataccatcct  | tcagcagccg  | 2020320 |
| accgagatac  | aggtcgggtg  | gaagaaatac  | agcgtagctc  | caccatcgat  | agctacgctg  | 2020380 |
| attcttgttt  | caaaggaaat  | cagcaagctc  | ccgaagatac  | aggtcgataa  | ggacgaggac  | 2020440 |
| gttctggcaa  | ccagcctgtc  | aatggcaaag  | gactgcggta  | tcacgcgacg  | aatcgacgag  | 2020500 |
| acactgatcc  | tcggagcaaa  | gaactgcaag  | gacaagacca  | tccatgtcca  | gacaaagaag  | 2020560 |
| accagacgaa  | tcctgtgggg  | actgatacct  | gtaacatggg  | attcatacga  | ggaacagacc  | 2020620 |
| cagaacacgg  | tggacgagct  | ggcaaaggaa  | ctcctcgaac  | agatgacacc  | gagggagata  | 2020680 |
| aacaacacca  | tcgcacgaat  | cctacagggc  | atgcagatag  | gtgatttttt  | cggagttacc  | 2020740 |
| actttccttc  | tcgaggtaaa  | tctgaccaag  | aggacgaaag  | tggaaatgacc | gacagcatct  | 2020800 |
| gggcagtcgt  | ggcagggaca  | gcaaagacat  | tcgggcttac  | attcgattac  | gtactgcacg  | 2020860 |
| agattagcta  | cacaaactgc  | atccttttac  | gggcatccct  | cccacacctac | gaaagcaaga  | 2020920 |
| agaaggacga  | gaagaaaaag  | gatgaggagg  | tcacaaaggc  | agacgacccc  | agcaacaaag  | 2020980 |
| aacgagtatc  | caaactaata  | gcatcattca  | aataatggca  | gacggaagaa  | tttcatatag  | 2021040 |
| cgtagggctg  | gacaatacca  | agctgaggac  | ggatgcagcg  | gaaacacgca  | acatccttca  | 2021100 |
| aggcatcagc  | tcgtccgcaa  | ttcaagaggg  | acagcgcag   | gaggaatcat  | tcagcaatat  | 2021160 |
| cgggaaaacc  | attgctggag  | cattatccgc  | agcagcagcc  | atgtccttct  | tgaaccagat  | 2021220 |
| aaagaacgtg  | agagcggaaa  | tccagtctct  | ggaaatttctg | ttcacgacac  | tgcttggttc  | 2021280 |
| gcaggcaaaa  | gcccagtcct  | tgttcgggga  | aatccgaaaa  | tttgccgtgg  | aaaccccgat  | 2021340 |
| gatgctgaaa  | gaccttgcaa  | gcggagcaca  | gaccatgctc  | ggattcggaa  | tcgcagcaga  | 2021400 |
| agagataatg  | ccgattttga  | aggcaatcgg  | agacgtgagc  | atgggagatt  | ctcagagatt  | 2021460 |
| ccagagctta  | acactttcgt  | tctcccaagc  | aaccgcagca  | ggaaagctga  | tgggaggaga  | 2021520 |
| cctgctccag  | atgattaatg  | caggattcaa  | cccactcgca  | cagatagcgg  | aaagaacagg  | 2021580 |
| caaaagcatt  | gcaaccctaa  | aggacgaaat  | gagcgaaggc  | aagatatcag  | ccgacatgct  | 2021640 |
| aaagcaagcg  | ttcattgatg  | caacgtccga  | gggaggtaaa  | ttcaacggga  | tgctcgagca  | 2021700 |
| gcagagcaaaa | ggtataaacg  | gggcaatctc  | aaacctgttc  | ggagcaatcg  | acgacatgta  | 2021760 |
| caacgacatc  | ggagaaaagc  | tcgagaaaacc | gttcgtggac  | atgaccctgc  | tggcaactga  | 2021820 |
| actcgtgaag  | cattacgagg  | aaatagccaa  | ggttctggct  | gttgtcgtgg  | ctgcatacgg  | 2021880 |
| aacatacaag  | gcagcactta  | tcgcagtggg  | agcctaccaa  | aaaggacttg  | caatatgggg  | 2021940 |
| acaggtgcag  | gctttccttt  | cactcacgaa  | gagcataaag  | agcgcaaagg  | acgcaatgct  | 2022000 |
| cctgctgaac  | atggtaacca  | aagcgaacc   | aatcggactc  | cttctgtcag  | ccgtggcagc  | 2022060 |

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|             |             |             |            |             |            |         |
|-------------|-------------|-------------|------------|-------------|------------|---------|
| agcagctaca  | gcattcgc    | tattctccga  | ttcggcagac | gaagcagcag  | aatcgctaaa | 2022120 |
| caaggaagcc  | gaagaagcag  | aggagttcaa  | caggcgtgta | tcagaaagt   | caggtaaagc | 2022180 |
| ccaatccgaa  | tacgcaaagc  | tgcagaagga  | atacaaagcc | tgcaagacg   | aacaccagaa | 2022240 |
| gaccgaatgg  | ataaggaaca  | gccagtccaa  | gtttaaggaa | ctggggatat  | cggtaaattc | 2022300 |
| agtcaacact  | gcggaagacg  | tattcatcaa  | gaacaccaa  | ctcatgctgg  | aagcattcaa | 2022360 |
| gaaaagagcc  | gaagctgcag  | catggcagtc  | caaagttgaa | gatgaatac   | caaagagagt | 2022420 |
| ggaacgccag  | ctccagctgg  | aacagcagaa  | agacaaaatt | caagctggaa  | gcaaggtgta | 2022480 |
| cggttcatcc  | catacaaccg  | aaggaggaaa  | cgaatacgtc | aataaccaag  | gcgaatgggt | 2022540 |
| gtacacggaa  | cagggagcag  | ccagagctag  | ggcagccata | gatcagagca  | taaagaacga | 2022600 |
| cccagtaatc  | gcagccatag  | atgccaagat  | agaccaatac | agcaagaagg  | tagccaccct | 2022660 |
| atcaaccgaa  | atggagagcc  | tgtatgaaaa  | agcaggaaac | gaccagaac   | tgacggacga | 2022720 |
| acagaaaaag  | gctgcccaga  | aagctgccga  | ggaacaacag | aaactggcag  | atgcccacgc | 2022780 |
| aaaaagagag  | gagcagatac  | gagccaatat  | cgagagcgag | aaggagctga  | taaggaaagg | 2022840 |
| cgaactggac  | atccagcagg  | caaagataaa  | cgctatggag | gaaggcgtgg  | ataaagaact | 2022900 |
| ggcacagaac  | aagctcaact  | acgaccgcct  | catggcagag | aacgaaaagc  | gcaggaacga | 2022960 |
| gatgctcaag  | acactcgagg  | acaccaaggt  | tctggaatgg | aagcagaaga  | accctaaagc | 2023020 |
| gaccgacgaa  | caggaaatca  | agtacagagc  | gtctttgaac | ctcactgcag  | ccgacctgtc | 2023080 |
| ctcctcccag  | agagcgcagc  | tcgacgagtt  | cgacgcatt  | gcagccgaag  | ccttcgaaca | 2023140 |
| ggcaaaccag  | aaatcgctgg  | acaagatgct  | gcaggacgtg | atgacatac   | agcagaagcg | 2023200 |
| agcgcagggt  | acagagcagt  | acgccaagat  | gaggagagac | ctcgaatact  | cccatgacga | 2023260 |
| gactggagcg  | agaacaggaa  | aaagagaagg  | agtcagccaa | ggaaacctcg  | atgaactcga | 2023320 |
| cagacagagg  | gacgaagccc  | ttcttgccat  | cgacgaggag | ttcgcaagca  | gacaggaatc | 2023380 |
| ctaccaagca  | tggatggaca  | gcacgcgaaa  | catgacactc | gagcagctga  | accaagttct | 2023440 |
| cgaacaggca  | aaacagggaac | tggactcaat  | gaagaaggac | ggtactggag  | gtacagccct | 2023500 |
| tgacacaggca | agagcaaagg  | tagccaacac  | acagaaggca | atctcaaagg  | cttctgcaaa | 2023560 |
| gaaggattta  | tcgccagaca  | aacgcacgct  | gaaagactgg | aaagaacttt  | atgacgtcct | 2023620 |
| gcaggaaggc  | gtgaagggat  | tcgaggaaat  | cggagacgct | gtaggaggaa  | cagctggaga | 2023680 |
| aatgatgaag  | gcagctggac  | agattgcaac  | aggtgcactt | tccatgataa  | acggaatcat | 2023740 |
| gacactgggt  | cagagttcaa  | cagcagggaat | gcaggcaaca | gcaacagcag  | gagcagcagc | 2023800 |
| catgagtacc  | gtggagaagg  | catcgggttat | tctggcggta | atttccgcag  | cactccagat | 2023860 |
| agccaccgca  | atcgcaggga  | tgttcaacca  | agacgaccag | aaacaggagg  | aaatcgaagc | 2023920 |
| cctgcaggga  | agaatagacc  | agctgcaatg  | ggagcttgat | aacgcagatg  | ttgtgcgttt | 2023980 |
| acgggaaaat  | gcattcagcg  | caatcgacaa  | ggtaaggga  | tcactcgcag  | ccacaagagc | 2024040 |
| ggagctgttg  | aagacgaaca  | ttgcgacgaa  | gaactggcaa | ggaatcatcg  | gagcgatata | 2024100 |
| cggaaacggta | cgcacaaaaca | atgagcttct  | aacagaatct | gcgaagaagg  | tagccgacgc | 2024160 |
| atacgcagac  | atagcatact  | cggcaaaca   | ggcactcgga | caggaaagat  | acgacaatgc | 2024220 |
| ccgtgaggat  | ctggagaaca  | tcgccaagca  | gcagctgctg | atgcaggagc  | aaatcagaca | 2024280 |
| ggaacaggac  | aagaaagact  | ccgaccaagg  | agcaatacag | gactaccaga  | acaaaatcga | 2024340 |
| ggaactcggg  | aaccaagccg  | tggaaatcat  | aaacacgatg | gtcgaggaca  | tcatcggagg | 2024400 |
| ttcggcagcc  | gacatagcgc  | aacagctcgg  | agacgcattc | ttcgaagcgt  | tccagaacgg | 2024460 |
| agaggatgca  | gccaaagcat  | ggggagacac  | cgtgaacgat | atagtggcag  | acatcatgaa | 2024520 |
| gcggatgctt  | atacagaaat  | ttctcgaaga  | gccactcggg | gagatttttcg | acaagtacaa | 2024580 |
| acagaaaatgg | tttccaaacg  | gtatcggagc  | aaacgccata | gacagcgtcc  | tcagttcact | 2024640 |
| gggagacttc  | cagaacgacc  | tccagaacgt  | aggcgacaca | ttcatggaca  | tgtgggagca | 2024700 |
| aatgccagag  | gatttcaaga  | acctgctcgc  | ccctgttgag | gacgcagcaa  | gggaagcatc | 2024760 |
| tgagaaaggc  | atagcgactg  | catcgcagga  | aagcgtggat | gagctcaacg  | gacgagcaac | 2024820 |
| agcgatacag  | ggacacacct  | actccatcat  | ggagaacacc | aaacttctgg  | tagccaacac | 2024880 |
| caatgcgatt  | ctggaaagcg  | tgatgaacat  | cgacaggaa  | acggactcca  | tgaacgaaag | 2024940 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| aatccagagc  | atggagggaa  | acgtgcagga  | gttgaaggat  | acagtaaacg | acatcgccct  | 2025000 |
| aaaaggcata  | aaaatgaaat  | gatatggaac  | agaacgaatt  | catacagaac | atacggaagc  | 2025060 |
| aatggctggc  | agtcaaggct  | ggagcagcga  | tggactgcga  | agccaagaac | ctcccgaatc  | 2025120 |
| tggcgaaggc  | atacagggag  | tgcgcaatgt  | tcagaggaga  | tgaaccgta  | cagcagctgg  | 2025180 |
| cagagctcat  | gaaatcagcg  | aaagggttcag | agttctgctt  | gaagtacaac | ttcccgaaca  | 2025240 |
| ttgcctcctt  | gcgttttttc  | aaaccgcaga  | accagcaag   | gtacggggtg | tacatcgacg  | 2025300 |
| gtggatcgg   | caagatgaag  | aaccagaac   | aaggaacaat  | cattctggca | ggaagaatcg  | 2025360 |
| cagccaccat  | agacatcgat  | gacaacagca  | agagatacga  | aatcattctg | atgcacgggg  | 2025420 |
| caaaggctgt  | catcaacgcc  | agatactgg   | cggctgcttc  | agtaaagaca | ggacagggat  | 2025480 |
| gcattgccgt  | acgcaacgca  | actgaaaacg  | caatcatatt  | atgagaacag | gaacgctgta  | 2025540 |
| catagacggg  | aacgacgcat  | accgccagtt  | cggggtgtat  | gtggtggacg | gaggatatga  | 2025600 |
| tgatatcgta  | gcgatgccac  | ctatcaagca  | accgcagacg  | aacgactggc | aagaagagga  | 2025660 |
| cggaatagaa  | gccgacctca  | cagaaccagt  | cctcgacgca  | agggagatat | cggtaagtt   | 2025720 |
| cgcaattgca  | ggcatgttca  | acaggtacga  | ggaattcgtg  | gctttactgg | cagacggagc  | 2025780 |
| ataccatata  | ttcaattttg  | ccgagataca  | gaggacatac  | aagctgagac | ttgtcagctg  | 2025840 |
| tccaacgaag  | gacgacgtca  | gaaggctcgg  | agtgattaca  | ctcaagctcg | ctgacgactt  | 2025900 |
| cccgatgttt  | gagtaccagt  | acagcgaacc  | agaaacgaac  | atagcccaa  | aagacgacta  | 2025960 |
| ctacatcgac  | aacgtggatg  | tggcggagta  | cggggtgagg  | attctggaag | gaacgaggaa  | 2026020 |
| ggaaattact  | gcaatcccag  | aagtgaagaa  | gaacctcgag  | atagaatcgg | actacacagc  | 2026080 |
| agggaaagaca | tacgacctta  | acatcgtgac  | tttcaaaagc  | atggacgcaa | agataaactg  | 2026140 |
| ccttattcac  | gcagagaatc  | tggaacagct  | atggaggaat  | tacgacgcac | tgctttataa  | 2026200 |
| tttgattcaa  | ccagaagaaa  | gggagctgta  | ttcaaaggag  | ctggagcaca | cgttcttctt  | 2026260 |
| ttactacaag  | tcctgcaagg  | ttacctcatt  | cagcccgaag  | gacagctggc | tccagttcac  | 2026320 |
| gctaacgcta  | acgctgacag  | gaaacatcag  | actatctgca  | gacggagatt | ttgttctggc  | 2026380 |
| agcagagaac  | ggagacatca  | tcattacaga  | ggacggagta  | tacgcaatag | acatgacacc  | 2026440 |
| agacagattc  | agctaccgga  | gcgtcagact  | catcaacgat  | agaaaaacgc | ttcggttcac  | 2026500 |
| tggttcggga  | ggtttcagat  | ttaacaatta  | aaacaaaagc  | tcataagaa  | agtaaaagta  | 2026560 |
| tcagaattac  | agctgtacga  | gagcttgaag  | gggctctaca  | cgcttgaggt | gacaaaagaa  | 2026620 |
| aacaggagcg  | tcaaggtttc  | cctcgaattc  | atagagacga  | agaccaccga | agccgttctc  | 2026680 |
| aatgcagaaa  | aagccacaga  | ggaagcgtac  | aaatccattt  | ctgctgcaac | acaggcgacc  | 2026740 |
| aacaccgcaa  | acaacgctgc  | gcaaacagcc  | atcgaatcaa  | ccaagaactg | cgagaaggca  | 2026800 |
| accgctgaat  | ccatcaagg   | tacagaagag  | acacaggtgg  | ctaaacaggc | aacagtagaa  | 2026860 |
| gctacacagg  | ctgccaacac  | agcgacgcag  | aatgcacagg  | ctgccacgaa | gcaggctaca  | 2026920 |
| caggctgcca  | caaatgcaaa  | caacgcagca  | acacaggcac  | agaccagtac | gcagcaggca  | 2026980 |
| atccaatcga  | tgcagcagca  | gacgaacgaa  | acgctcgaac  | aggcagagca | ggacatccag  | 2027040 |
| cagaacatcg  | acaagaacaa  | ccaagcaaca  | gaagaagcgg  | tggaagcagc | aaacgcagcc  | 2027100 |
| acggaagcag  | cacagaacgc  | aacggttcag  | attacggaag  | cattcacgaa | cctcatatcc  | 2027160 |
| acagggtcgg  | cagttcaagc  | tccaacattc  | ctaacgatag  | gaaacaaaga | accgaactac  | 2027220 |
| atcaaggcta  | cgctcgcccc  | agagaacacg  | atggagaaca  | tcattctcat | gtcagacaac  | 2027280 |
| cgagccgtag  | acgttgactt  | agacggaaag  | ctgacgattg  | tggcaaaagg | ggtcagcagg  | 2027340 |
| attcatgtaa  | tcccagacgat | gaacacaaa   | ctggcgaaga  | caatccttgt | acagggtggga | 2027400 |
| gatccgacaa  | tgagactcgg  | ggacaccaga  | gcacaaatga  | ggttcacttc | aacaggagca  | 2027460 |
| ataagattca  | attaaagttt  | aacattaaaa  | cagaagaaaa  | atggcactat | cagaagcaca  | 2027520 |
| ggaacaaatc  | ctgcaggaaa  | ttatcgaagc  | attccagaac  | ggaaagcgat | tgagcgaact  | 2027580 |
| accagaggtc  | ggagacacaa  | acccgtataa  | cttgatgggtg | gaagttctcg | aaaaaggaga  | 2027640 |
| gagcaaacga  | gcaaccctcg  | catcgctcct  | gccatacatg  | gaggacgaat | gcagctacgg  | 2027700 |
| tgtggaattt  | gacacgacgg  | taagcacgcc  | aacatgtaca  | cgaatcgga  | acatgaacct  | 2027760 |
| ccacaagaca  | ctgccagtac  | aaagcctcat  | gaagggatgc  | acgctgggag | acgacggaca  | 2027820 |

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|             |            |            |             |             |             |         |
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| acaggtaatg  | gttgaacttc | cgctttacta | cagaaaattc  | gaaaccgaag  | gaacaaaacg  | 2027940 |
| cagggtgcg   | atttcccttc | tcccactccc | tggctaccac  | caagtaccac  | gcaaatacgt  | 2028000 |
| gagtgcatac  | gaagctacac | tggatagaac | aggcatgaaa  | ctggcatccg  | tcgtgaacat  | 2028060 |
| ggcagcccag  | taccgaggag | gaaacaacaa | cgaagcgtac  | gacggaacat  | gccgaacatt  | 2028120 |
| cctcggacga  | ccagtaacac | aaacaagcag | aaccaacttc  | cgaaagtacg  | ccagagcgag  | 2028180 |
| aggtgctgta  | ggaaagaacg | gatgcggatg | gaactgcatg  | acctacgaca  | tccagaagga  | 2028240 |
| catctactgg  | ctgtttgttg | tgggaatttg | aacattgaac  | acacaggctg  | gatacaacgc  | 2028300 |
| acagcttaca  | gcagaaggat | acagacaagg | cggctctgga  | gaaggagtaa  | cctccgtagg  | 2028360 |
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| caacggaaac  | taccggtggg | tgccttgctg | aacaaccgac  | gcactgggca  | acggaacagg  | 2028480 |
| acagggtgaa  | tacagccagc | aagacaccga | cacaggcgca  | tggctcgacc  | aattcgtgcc  | 2028540 |
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| cgaagaccca  | gcacaattta | ctgattctgg | ctacgacgga  | tacagcctcg  | tgggactgga  | 2028720 |
| agcacgaaac  | gaaagctacg | tgaaggaggt | tatcttcgga  | gaagggtggc  | aaatcatgcc  | 2028780 |
| ttcagtatgc  | agcggagcag | gctcaaccac | ataccactgc  | gactaccact  | acaccaacat  | 2028840 |
| accgacgacc  | accaccctgc | gtggtgtcca | gttcgatggt  | tcttcgttta  | gcggttcgta  | 2028900 |
| tgcgggtctc  | gtgtatgcga | cttcgattaa | cgccccctcg  | gctacgatta  | cgaacgtcgg  | 2028960 |
| ctctcggctt  | tgttttttac | cgtaaagcga | gcgcacgacc  | ctaaacgggt  | gcgagagacc  | 2029020 |
| ccttgtgggt  | ctccaccctt | atagcagaag | gaaggaacaa  | caataacgaa  | taaaaggctg  | 2029080 |
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| tcgtgtatgc  | gaattcgaat | aacaccccct | cgaatacgaa  | tacgaacatc  | ggctctcagc  | 2029200 |
| tatactttca  | gaaggggaaa | cccttcaaca | acaagaagga  | acgacaacc   | tgccccttgg  | 2029260 |
| caaaaaacat  | aaaactcaag | aacggagtcg | gtaggagaaa  | tccgaagacc  | ccaattaatg  | 2029320 |
| aaagcaaacy  | atgaaaagaa | taggcaacct | tacgaaaaaa  | taatcagcat  | cgagaacttg  | 2029380 |
| aatctggctg  | acgaaaaagc | ccgaaagggg | aagacgcatt  | catacggagt  | gcaacttcac  | 2029440 |
| gacaaaaaca  | gggaagccaa | cattgctgca | ttacacgagg  | ttctcaagag  | aagagagtac  | 2029500 |
| aagacatccg  | agtactgcat | cttcacgatc | caagaaccga  | aagagagact  | tattttacaga | 2029560 |
| cttccatatt  | tcccagacag | aatagtccac | cacgcagtga  | tgaacatcct  | cgagggcatc  | 2029620 |
| tgggtgtcga  | tattcacgca | ggacacattc | agctgcatca  | aggaacgagg  | aatcaacagg  | 2029680 |
| tgcattggaac | gggtggatga | agcgttgaag | gacaaggaag  | gaacacgtta  | ttgtttaaaa  | 2029740 |
| ctggacattc  | ggaaatttta | tccaagcatc | gaccacgagg  | tcatagaaaag | gataatccga  | 2029800 |
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| gaccattggg  | tcaaggaaca | gaagagagtg | cggattattt  | tcagatatgc  | cgacgacatg  | 2029980 |
| gtcactactg  | ctaaaacaaa | ggacgaactg | cacaagctgt  | tcgaggagat  | acgccagtac  | 2030040 |
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| aaccgatacy  | acaagacagg | acgaggtctt | gattttgtag  | gattcgtttt  | ctaccatagg  | 2030160 |
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| ggcaaatatt  | agcgaaaaac | caaatgcgtt | tgaaccagta  | ggaaatgggt  | catttccttta | 2030400 |
| cagattcaac  | attcaagaag | taacaactga | acagcagaca  | gaggttcaga  | cgtttagagg  | 2030460 |
| cgagggaaca  | gaagtccaag | aaccacgtac | atcatggaat  | tgcgacgaag  | ttaccgttta  | 2030520 |
| tccaccagtg  | acagccaaca | gcactactga | agccgtgata  | gccacaaaat  | gggatgcaag  | 2030580 |
| ttacgaaaag  | aagctcatca | atgagtacaa | tgcagcgaaa  | cttgagactga | ttggaggaag  | 2030640 |
| cacgacatca  | gccgaagcca | aggcagtcac | tgagaaatac  | aaagcatttc  | ttgttgagcg  | 2030700 |

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| caggtatcca  | taacggacgt | cctcaacagc | gagattgaag  | ttatcgacta  | cctccccgac  | 2030880 |
| atcaagacac  | cacacgggga | gggtcgatac | ctcgttcatt  | tcagacaggt  | agacaacgga  | 2030940 |
| gcagaaggta  | aattcttcac | gaattcgagc | tcgataaaaa  | gcgtgctcca  | gcagataaga  | 2031000 |
| ccagaggatt  | tcccgttcat | aacgacaata | aaagccatga  | ggtgcggaac  | gggaaagatg  | 2031060 |
| tacaaattca  | catgacccga | aataaggcgg | tttctgcctt  | cgttttgtgc  | cgtttgaaca  | 2031120 |
| aatgcacatc  | cagaagacaa | aaagggttta | cagggaaaat  | ctgatataaa  | taacagcaat  | 2031180 |
| atgaagatat  | ataaccagca | aggaagaatc | ttatacgaag  | ggcaggctga  | ggacaacagc  | 2031240 |
| tatgcttcag  | acgcaatcat | ggacgacaat | agcctaacc   | tgtacatcaa  | gacgacagaa  | 2031300 |
| ccactggagc  | tgccagtcgg | ggcttattgc | acgttcgaga  | accagaagta  | cacgctgatg  | 2031360 |
| cgaccagaga  | gcttcaagaa | aaacaacagc | aggaacttct  | cgtacaccgt  | gacaatggaa  | 2031420 |
| agcgaagctg  | cgaaggcgaa | gatctggaaa | ttcagaaatc  | cagtagacgg  | acgtctccag  | 2031480 |
| ttttcgctga  | cagcaaaacc | aatcgaacac | ctccagatgg  | tgggtggaaa  | cttgaaccgc  | 2031540 |
| agggacggag  | gatggagcgt | cggacaatgc | atcgacgatg  | tggagcatac  | catcacgtat  | 2031600 |
| gaccataact  | acattatcga | cgcactggta | gcgcaggcaa  | ccgaattcaa  | cacggagtac  | 2031660 |
| gagttcaagg  | gaaaggtcgt | caatcttcgg | aaggtggaat  | acaacaagaa  | caaccctctc  | 2031720 |
| ccattgagct  | acggacgagg | aaacggattc | aagactgggg  | tcggtcgttc  | caaccagaac  | 2031780 |
| gaaaacatgc  | ctggtgaaat | cctattcgta | caaggcggtg  | caaagaacat  | agacccgagc  | 2031840 |
| caatacggac  | ataaagagct | gctcctgcca | gaaggaggag  | agatagcgta  | cgacggtcag  | 2031900 |
| tacttcgagg  | atgaagaagg | attcaacgaa | aagaccgcac  | gccactacat  | cgtatcagaa  | 2031960 |
| gaccgcctgt  | caatccgaag | agacgacgga | gtgctgagta  | cgctggcaga  | agacagtctg  | 2032020 |
| gactgctcag  | aggtttacc  | gaagagagaa | ggactggtgt  | ccgaggttat  | cacggtggat  | 2032080 |
| gcagagaaga  | acttctacga | tttcacggac | tcacgcatac  | catcgacgct  | gaactttgaa  | 2032140 |
| gaccacctca  | tagaaggcga | aaagatgacc | gtcatctttc  | agagcggaat  | gctggcagggt | 2032200 |
| cgggagttcg  | aggtcaagta | ttaccacgac | gcacaggacg  | ggaaacttgg  | gcgaagattc  | 2032260 |
| gagatagtac  | cgcaggagat | tgatggcgag | accatgccaa  | acgaaacggt  | caaaccctca  | 2032320 |
| aaagacgaca  | agtatgcagt | attcaactgc | accctccag   | aagagtacat  | aaacgacaag  | 2032380 |
| gagcataagc  | agggagctga | atgggacatg | ttcagaacag  | ccgtgaaata  | caagtacgaa  | 2032440 |
| aacgaagacc  | agaaattcac | gttactggc  | acactggacg  | ggatatgggtc | gaagaaggac  | 2032500 |
| tgggtaaaca  | taggaggaag | gattatcctc | ggagggtaca  | tcagattttc  | agacaaccag  | 2032560 |
| ttccagaagg  | aaggagtga  | cgtaaggatt | acggctgtaa  | agaagtacat  | caacaatcca  | 2032620 |
| cactccccag  | aaatcacgct | gtccaacagc | acggtcacag  | gctcggttac  | aggaacgctg  | 2032680 |
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| acgaagcgaa  | gattcagaga | cgcacaggaa | accagcgaaa  | tgctccgtgc  | gttgatagat  | 2032800 |
| agctccgtcg  | attcgctgac | acagcagttc | acggaaggaa  | taacacctat  | aagcatacag  | 2032860 |
| accatgcagc  | tgctcgtagg | agacgagagc | ctgcagttca  | gatacgtaaa  | ctcggacaag  | 2032920 |
| aaccacacagc | ctgtaggaga | cggcataacc | tacgacacag  | aatgaagca   | gatccatgca  | 2032980 |
| ccagagcgaa  | tcgtccagca | catgacactg | ggcatatcga  | cgataagctc  | aagccacaag  | 2033040 |
| gagagcgaat  | acaagtcttg | gagggtagcc | gaatacaaca  | gcgcagttct  | tgaggatgca  | 2033100 |
| gacaagaaat  | actacctgta | cataaaagca | gcggagaacg  | ggactggctc  | ctacacgctg  | 2033160 |
| agcgaaaagg  | ctctggactt | caaggaaggg | acgacataca  | acctgctgggt | cggagttttg  | 2033220 |
| aacagcgaat  | atgacggagt | gcgcagcttt | gccacccttt  | acggattttac | cgagattctc  | 2033280 |
| ccatcaagga  | taaccacgga | caaaatagtt | tctggggacg  | ggacatccta  | cttcgacatg  | 2033340 |
| cagaacaacg  | caatgaagct | gggagacgct | atggacttca  | acagcgacgg  | gacaaagaga  | 2033400 |
| ctgaagctga  | agggaaacgt | cgtccagtcg | gagagcgag   | actttatcga  | tatcggaagt  | 2033460 |
| ttccgtgggg  | agtataactc | aaaaaccaca | tacttcctcg  | gggacaccgt  | gacatacacg  | 2033520 |
| ccttctggga  | aaaaaacatc | gacctacaag | agcatatcag  | agcagccgtt  | tacaggcata  | 2033580 |

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|            |            |             |             |             |             |         |
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| gcccctacca | acgaattata | ctggtctttg  | acagcagctg  | gaggagaaga  | cggaacaagc  | 2033640 |
| atatcaatca | agggacaac  | caatggacac  | tacacgaaca  | agaacgcatt  | cgtggcagca  | 2033700 |
| gggcatacgt | ctggaacttt | cctaatacgac | atgaaggagg  | acgaatcccc  | agtatcatac  | 2033760 |
| cactgggtag | caaagagaag | cggaagtaca  | tggtgttact  | cgcaggcaga  | actcggagac  | 2033820 |
| ggatacatgg | acgcagaagg | atacctgtgg  | gtcgcagagg  | agaacggatg  | gaaaaacgtc  | 2033880 |
| ggcaagatca | agggagaaga | cggacatgac  | ggaacagacg  | gaaaggacgg  | ggaatacacg  | 2033940 |
| gagtaccgat | ttgcaaggaa | cggaagtaca  | acaacccttc  | ctaccatcag  | caagacatcc  | 2034000 |
| cctacaccga | gcggatggtc | gcttactatg  | ccagcaacag  | gactgggggtg | gtacactttg  | 2034060 |
| gcaaccaagg | caagaaaaac | cgcagcaggg  | gcactcgtag  | aaaactgggtg | tacacctttc  | 2034120 |
| agaatcacgc | catacgacgg | acaggacgga  | catgacggac  | agcagggcaa  | aagtccagca  | 2034180 |
| gccatctatc | gtggaacata | cgacgcaagc  | aaaacctact  | acggaaacga  | gttcagactg  | 2034240 |
| gacgtggtca | aatacggaa  | cacatactac  | attgcacaga  | taacagcagg  | aacattctcc  | 2034300 |
| aatgtcgtgc | cgaccaacac | aagcaaatgg  | aacgccttcg  | gtgcgagctt  | tgacagcgtg  | 2034360 |
| gcgacaaacc | tcctgcttgc | agagaacgca  | aatgtaggtg  | gatggatatt  | cagaaacgga  | 2034420 |
| gttctggaga | gcgaaaacgg | atcatcatgg  | ttgaacggaa  | aaacagggca  | ggctcgcctt  | 2034480 |
| cgaggaacga | tgcagctttc | cacagcttac  | aaaggagtaa  | ccaccgacgc  | aaacatatcc  | 2034540 |
| tacatgccag | caataacaag | cagtaagtcc  | gtaggactga  | cagccgaaaa  | aactgacata  | 2034600 |
| ggaaagggtt | gtagatttta | caactcatca  | gcaaaaggag  | gaggaacatg  | gactattttac | 2034660 |
| atttacgaag | atgttacatg | cacacaggac  | gctgacggaa  | atacgtacac  | cacaagatac  | 2034720 |
| aaatatacag | gatatagggt | cgcaccaaaa  | gagtccatag  | aattttacatg | ttttgagaga  | 2034780 |
| cagccaccaa | attcatacga | aaaaagctac  | agcctatcat  | ggcagtgtac  | aaaccgattt  | 2034840 |
| acggtcaatg | aatggcaaca | ggaatcatgc  | aaaggacgct  | accacgaat   | actggcaatg  | 2034900 |
| ggaaaaatta | caggaacgag | caatacagca  | tatctttctg  | gagaattcca  | cgacggaaga  | 2034960 |
| agcatatctt | cagtgttcag | tgtttcgagg  | tcgggaaaag  | gggaatatac  | ggttttcattc | 2035020 |
| gcaagcggaa | ctttaccgag | cggatatttt  | gtattcgtgg  | tcggaagctc  | ccctattttac | 2035080 |
| ggaggaagcc | aaccgaacaa | ggcgtccatc  | gactcgaagg  | gaactacctc  | gtttgtcgtt  | 2035140 |
| tcaatttccg | acgacgattc | cagaaacgac  | ggtagcgtag  | actttataat  | attctcgcca  | 2035200 |
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| cattttccat | atctttgtaa | gcaacgaaac  | ataaaagagc  | aaaccaatga  | acgatatttt  | 2035320 |
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| caacaggaag | agcaacgcac | gcattgcgga  | agctaacgca  | ttcgagatac  | agaggaaggc  | 2035440 |
| aatcatcgag | gattacaacc | gagtacaggg  | agaggtcgag  | gttttgaaga  | agaaggtgga  | 2035500 |
| cgagctttat | aacaaaatcc | atgatatgga  | atgtgagcga  | ctcgacctta  | tcaaggagaa  | 2035560 |
| caacgagctg | aagctgaaac | tgaaggaagc  | agagaaacac  | atgtgcattc  | aaccagatga  | 2035620 |
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| agaatatctc | gaagaccacc | cagacgcaat  | tctgacagag  | gaagacatga  | tgaaagaaat  | 2035740 |
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| aggacggact | gctgcacatc | atttgcagca  | gccttcttgt  | cggctcttttg | acccttttta  | 2035860 |
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| gcatttttat | aggatgcctt | taaaatggag  | gataaaatat  | gatagtacta  | cttgacaacg  | 2036040 |
| gacacggtaa | agacaccgca | ggcaaacgct  | ctccagacgg  | aagacttctg  | gaatacgcac  | 2036100 |
| acgcaagaga | aattacaaaa | cgcattggagc | aggcactgaa  | agcacaggga  | tacgacgtac  | 2036160 |
| gtctgattgt | tccagaagag | aatgacatca  | gcctgcagga  | aagatgcaac  | agagtgaaca  | 2036220 |
| gaatatgcga | ccagtacggg | acaaagaacg  | tcattctcgt  | ttcagttcac  | tgcaatgcag  | 2036280 |
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| agaccaaggc | tgacgagctg | gcgacatgca  | tctacaaggc  | agcagagaaa  | gaagggctca  | 2036400 |
| aaataaggaa | ggacgaaacc | gacggagacc  | cagacaagga  | aggacacctg  | tacatcctca  | 2036460 |

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| tggaattcct  | gctgaccgaa  | aacgggaaac  | aggtcataac  | ccgagtgaat  | gtaaacggaa  | 2036580 |
| tcatacgaata | catcaaaacc  | cagaagtcac  | gaagcagctt  | atagcctttt  | ttgcaatcct  | 2036640 |
| cctgcttaca  | ggatgtgcag  | caggaagaaa  | agctggacag  | cagaccgcat  | cgaaggacag  | 2036700 |
| cacacgggtc  | gaagtgcagaa | tcgagaagat  | catcaaaacc  | gacaccgtat  | acatagacat  | 2036760 |
| cccgaagata  | gtcgagaaga  | acgtgaccaa  | ggaagaccac  | tccttcctcg  | aaaacgaata  | 2036820 |
| cgccaagtca  | gaagccagca  | tcgacagcac  | aggcatgctt  | catcattcac  | tgagagacaaa | 2036880 |
| agcccagaag  | aaaccagtcc  | ccgtcaagac  | agagagcgag  | agacgggaca  | gcatcatcta  | 2036940 |
| caagaacagg  | gaagtgaagg  | tgagaaaacc  | aatctacata  | gaaaaggagc  | ttacttgggt  | 2037000 |
| acagcaggcg  | cagatctacg  | gattcagagt  | gatggtcgcc  | atagctgcac  | tttgggcatt  | 2037060 |
| gataaagtac  | aggaagaaaa  | taaccacatt  | cgtaagaaaa  | atcattttaac | cataaataat  | 2037120 |
| tgatagcacg  | tgcaaggaag  | cggagtcggt  | gagaaacgac  | cccgtttttt  | tgtttttggt  | 2037180 |
| gtagatttgt  | tgctcaagaa  | aaaacacaaa  | acacaaaaag  | cctttgtaaa  | tcaatgaata  | 2037240 |
| ccaacacgtt  | acactacttt  | ctgtgtggga  | aaatgagttt  | ctgcatcggc  | aagtaactat  | 2037300 |
| ctgattatca  | atgagttaaa  | ttgattataa  | tcgattgata  | tggtcgctctt | tacggggcgc  | 2037360 |
| cttttttggt  | gctctactgt  | caatattagt  | cattttataag | cctttgcacat | catctttttg  | 2037420 |
| taccgttttt  | gtaccacgaa  | gcaaaattct  | ggcattttac  | gctggacaga  | ttgtggagtg  | 2037480 |
| agtttacgcc  | attttacaga  | attttacggg  | attatacaga  | ttattgggtg  | aaataaagcg  | 2037540 |
| aaataaaatg  | aaaagtagaa  | ttgaaattaa  | aagaatttgt  | gcctggtgcg  | gtaaagaatt  | 2037600 |
| tattgcctac  | aaaacgacga  | caaattgttg  | ttcccataag  | tgtggaaacg  | cattatataa  | 2037660 |
| gaaacgtaag  | cgtgatgcag  | caataattgc  | caataataat  | ttaactgaaa  | aaattgtttac | 2037720 |
| agaaaaacct  | attgagaaga  | ttaaagacaa  | accttttctg  | actattacag  | aaactgcaat  | 2037780 |
| ttatcttgga  | gtaacaagac  | caacaatata  | tggttacctt  | aaacgaggcg  | atctaaaagc  | 2037840 |
| aacacgtata  | ggaactaaat  | ttctttttaag | caaagatgac  | ataaacaata  | tgtttaataca | 2037900 |
| tcctgcagat  | tttaagttgc  | cacctaagga  | aaaacaagca  | atcacagaat  | tttatactac  | 2037960 |
| agctgaaatt  | atagaaaaat  | tcaatgttag  | cgaatcatgg  | atatttgtga  | tggttaagaa  | 2038020 |
| aaataaaatt  | cccaaaacgt  | tcaatcgggg  | taagacttac  | tgagtaaaaa  | agcatgttga  | 2038080 |
| tgcttatttt  | tcctcgaagg  | ctccagatgc  | agacattcca  | gaatggtata  | gtgtgcaaga  | 2038140 |
| agtacaggac  | aaatttcaaa  | tgagtcttaa  | tgctatatac  | tccttttggtt | ataaaaaatgt | 2038200 |
| cattccgaaa  | aagaagggtg  | gtattactgt  | atactattca  | aaaaagcact  | tcgatatagc  | 2038260 |
| aaagggaata  | cgtcaggctg  | aagaacccaa  | atactataca  | gttcgagaag  | ctatggaaaa  | 2038320 |
| attcaaaaata | acaagagacc  | agctatacca  | ttataccaag  | tatcatcaaa  | ttcccaagat  | 2038380 |
| taaaaaggga  | aaatatactc  | ttatatccaa  | acctgagctc  | gataatttgt  | ttgaagatcc  | 2038440 |
| tatcattgaa  | taatcccggt  | ataagttatt  | tcccgggtgtg | agtattcacc  | aagaaaacac  | 2038500 |
| cagtttaatt  | tgtaccgata  | ataataattt  | atcaaccaa   | aacattaatc  | ttatggcact  | 2038560 |
| tacatgtact  | aacgtaacat  | tgagacaaa   | agttatcagt  | aacggcagaa  | tttctctcta  | 2038620 |
| cctggactat  | tatccggcta  | ttcgcaatcc  | gtacacaatg  | aaaatgagcc  | gcagggaata  | 2038680 |
| tcttggcatt  | tatatctatg  | cccgtcctaa  | aatgagatt   | gaacgtgatt  | tcaacaacga  | 2038740 |
| gatgctgagt  | aaggctgaag  | ccattcgttg  | tatcagagta  | caggcaatcg  | ttaatgagga  | 2038800 |
| gtttggattt  | cttgacaaac  | acaaaatgaa  | agctgacttc  | cttgccattt  | ttcgtgagaa  | 2038860 |
| agcaaaaactg | aagtatcaca  | aatgggactg  | cgtttaccag  | cattttgaaa  | agtttgtaaa  | 2038920 |
| cggctattgt  | actttcggcg  | atgtaacggg  | agagctttgc  | cagaagttaa  | ggcagtatct  | 2038980 |
| actgaactgt  | aaacaaatcc  | gtcatcctaa  | tatcagcggt  | tcgaggaatt  | cggcagctgg  | 2039040 |
| ttatttttca  | actttccgtg  | cattactgaa  | aatagcttat  | caagagaaga  | tgctacgtga  | 2039100 |
| aaatctaaat  | gacttcatag  | acaagattga  | atggaaagaa  | gtcaaaaagc  | agtatctcac  | 2039160 |
| attagcagaa  | gttaagaaac  | tggccgctac  | accatgcaag  | attcctgtac  | tgaacaagc   | 2039220 |
| ttcattattc  | tcctgtatga  | ccggtcttcg  | tatcagcgat  | attttacagc  | ttacatggga  | 2039280 |
| taatattgaa  | gtcggctctg  | acaatggcta  | ttacatcaga  | atttgtacag  | aaaagacaga  | 2039340 |



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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
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| ttcggaagcc  | ggaatcaaaa | aacacataac  | cttccactgc | ttccgtcatt  | cgtacgccgt  | 2039520 |
| catacaaatc  | tctttaggca | cagacattta  | cacagtatca | aaaatgctta  | ctcacaaaaa  | 2039580 |
| tgtttcgacc  | acacagattt | atgctgattt  | ggtcaattcg | aaaaaacgag  | agacagcgaa  | 2039640 |
| taagatttcg  | ttgaaataat | ataactctta  | tcttatctat | aacaggttat  | atctgataaa  | 2039700 |
| tctatcggat  | atgacctggt | tttatgtttg  | ctttatctga | cagaatcgct  | atctttgaag  | 2039760 |
| aaaattgagt  | ctttaaatga | ataactacag  | ctatgataaa | aatatatgga  | atggaaactt  | 2039820 |
| gtccggattg  | tacgtatgta | gaagaacaag  | taaaaggtaa | taaccaatat  | gagggtcatcg | 2039880 |
| atattggta   | acacgtaaga | gatttgaaag  | cattcttgag | attacgggat  | catcatccag  | 2039940 |
| cctttaatga  | agccaaaagt | gttgagagccg | ttggaattcc | ttgctttgta  | ttggaagacg  | 2040000 |
| gtacagttac  | tttgaatcca | gaagatgccg  | gattacgttc | acgtcctatt  | aatgaaggag  | 2040060 |
| caacatgtaa  | tattgacgga | agcggttggt  | gattatggta | cagaaaattc  | ttttccttca  | 2040120 |
| cggtttcttt  | gcatcaggtg | catgtatccc  | agcgttgcc  | ttgaaagaat  | atttcagcgg  | 2040180 |
| taaggcaaca  | gtcttgagtc | cagacttacc  | cctgcatcca | caggaagctc  | tcgactttat  | 2040240 |
| ccaaagattg  | tgcaaccaag | aacaacctga  | tatattggta | ggaaacagta  | atggctcgtt  | 2040300 |
| tttggcacag  | atagtagcat | ctaaaaacaa  | tatccctgct | ttactcggaa  | atcctcattt  | 2040360 |
| cgaaatgaca  | cgcttcttga | tggaacgtat  | tggttcgcat | gaatacaaat  | caccacgagc  | 2040420 |
| taacggaaat  | cagcagcttg | tcattaacca  | aacattgatt | gatgaattcg  | cagaacttca  | 2040480 |
| acagcatcaa  | tgggacaatt | gtcaggtagc  | taaccaagaa | aatatatggg  | gaatattttg  | 2040540 |
| tgagaatgac  | catctggcac | actttgagcc  | tttattttta | atgcattata  | aatattcata  | 2040600 |
| ccactttcct  | ggcggtcata | ccccaacagc  | tgaagaagta | caaaagtatt  | atgcgccatt  | 2040660 |
| agcggaacga  | ttattagaat | tatagcataa  | cttatcatat | aatatagaaa  | gaataccact  | 2040720 |
| tttgtttatt  | atatgataag | ttataacaat  | agttcgttaa | aaattagccc  | agcctaagcg  | 2040780 |
| gctctggcag  | taaataaaat | gagttctttg  | aaaagtttgt | caattaattg  | cgtgttttgt  | 2040840 |
| tcaatcccag  | acacgcaa   | aaatcggtca  | agcatgtaag | cattgtgtat  | gactgacttg  | 2040900 |
| catgatgata  | tgggaatatt | tattcccatc  | ttcttacagg | cagccttggc  | gagggtttatc | 2040960 |
| gctgcaagt   | atgcattaaa | gtggaatgcc  | agtttcctga | agtctgtaga  | ctgacagttt  | 2041020 |
| gctattccgg  | catgttgctt | ggcatcccga  | aagcagaatt | cgagttggaa  | acgtgttctg  | 2041080 |
| taaaagtcca  | ggacatcctg | tgcgttctgt  | atttcgtttg | tagagaaata  | cagctgccat  | 2041140 |
| ttgtccgttc  | ttccatccat | ggggtaccat  | acagccaggc | tcacaaagcg  | tttgagtgtc  | 2041200 |
| ttggagtatg  | ctttcagtc  | gtaaagttta  | cccttggtca | ctttgtactc  | ggtacatctt  | 2041260 |
| gtgatgtcca  | gattttcaaa | gtcaattttc  | tcgtcatgta | attttgagcg  | tccgcgtttt  | 2041320 |
| cctgtcctat  | tttctaaggt | gggataaaac  | aatacggcat | cattcctgaa  | acggcttatt  | 2041380 |
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| cacacgactg  | tgccagaaat | acgtttcagc  | tgttcctgta | tgctgataag  | gtaagagctg  | 2041500 |
| taccagtcaa  | caagattcct | ctcacagctt  | tccagcgttg | cgttgtcagg  | tgtctgtaca  | 2041560 |
| gagcccaaag  | tcatacattc | atggttgtca  | acgtctataa | ctccaatacc  | ggttattttcc | 2041620 |
| agtccacgtt  | tgtattcacc | ggcacaaccg  | gaccagaaat | agccaatcca  | cggcgttttg  | 2041680 |
| ctgcctgatt  | ttggaatgaa | agacggatca  | acggctatcg | ccttgcgacc  | acctttaagg  | 2041740 |
| tgttccctga  | tgatggcttc | attgaaggaa  | aaccagtcaa | agccgtcgtt  | ctcaaaattg  | 2041800 |
| ttgcggtatg  | tctgttccga | gaaacatcca  | taccgtccca | tttgtaggaa  | attgatgcgg  | 2041860 |
| tcaggatatag | ccatgaataa | tttcattgca  | tccatgaata | ctttctgaaa  | agatttgctt  | 2041920 |
| atattttacag | ctgattcgag | agcgtttctg  | cactcggatt | ggatttgcat  | aaggagtgat  | 2041980 |
| tcttttagtca | taattaaaag | tggtgaagta  | cttctaattt | actaaaaatc  | agtgaattat  | 2042040 |
| gaaatacttt  | ttctgttgat | tttcagctgt  | ttagcatatc | tttttcatcc  | cttttcttac  | 2042100 |
| tccttgacga  | tttattcttg | acagtatttc  | aatgatctct | tgaatataat  | tttgaaccgg  | 2042160 |
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| tcttactttc  | caataataat | caaactat    | atgacaatta | gtgacgtttg  | atgaagtctg  | 2042340 |
| atgtcactct  | tgctattttc | tgataataca  | taatcagtaa | acattacctt  | tgcttatgaa  | 2042400 |
| cagttaaaca  | tatggcttat | gtatttgaag  | aaatttgaat | attttatttt  | agattctagt  | 2042460 |
| gtagctggaa  | cattacttct | tatggcactt  | gctatacgca | ttgaagcaat  | caatgcaggc  | 2042520 |
| tttgatcagt  | tcagctcaaa | tattattttt  | atatcggtct | ttataataca  | atagttcggt  | 2042580 |
| aaaaattagc  | ccagcctaag | cggctctggc  | agtaaataaa | atgagttctt  | tgaaaagttt  | 2042640 |
| gtcaattaat  | tgcgtgtttg | gttcaatccc  | agacacgcaa | ataaatcggt  | caagcatgta  | 2042700 |
| agcatttgtg  | atgactgact | tgcattgatga | tatggaatat | tttattccca  | tcttcttaca  | 2042760 |
| ggcagccttg  | gcgaggttta | tcgctgcaag  | tgatgcatta | aagtggaaatg | ccagtttcc   | 2042820 |
| gaagtctgta  | gactgacagt | ttgctattcc  | ggcatgttgc | ttggcatccc  | gaaagcagaa  | 2042880 |
| ttcgagttgg  | aaacgtgttc | tgtaaaagtc  | caggacatcc | tgtgcgttct  | gtatttcgtt  | 2042940 |
| tgtagagaaa  | tacagctgcc | atttgtccgt  | tcttccatcc | atgggggtacc | atacagccag  | 2043000 |
| gctcacaag   | cgtttgagt  | ctttggagta  | tgctttcagt | ccgtaaagtt  | tacccttggt  | 2043060 |
| cactttgtac  | tcggtacatc | ttgtgatgtc  | cagattttca | aagtcaattt  | tctcgtcatg  | 2043120 |
| taattttgga  | cgtccgcgtt | ttcctgtcct  | attttctaag | gtgggataaa  | acaatacggc  | 2043180 |
| atcattcctg  | aaacggctta | ttacgtggaa  | accgttatcg | tacaatgggt  | tgatgaaagt  | 2043240 |
| tgcccttgaa  | aagaacgcat | cacacacgac  | tgtgccagaa | atacgtttca  | gctgttcctg  | 2043300 |
| tatgctgata  | aggtaaagac | tgtaccagtc  | aacaagattc | ttctcacagc  | tttccagcgt  | 2043360 |
| tgcggtgtca  | ggtgtctgta | cagagcccaa  | agtcatacat | tcattggtgt  | caacgtctat  | 2043420 |
| aactccaata  | ccggttattt | ccagtcacag  | tttgtattca | ccggcacaac  | cggaccagaa  | 2043480 |
| atagccaatc  | cacggcgttt | tgctgcctga  | ttttggaatg | aaagacggat  | caacggctat  | 2043540 |
| cgcccttgca  | ccacctttaa | ggtgttccct  | gatgatggct | tcattgaagg  | aaaaccagtc  | 2043600 |
| aaagccgtcg  | ttctcaaaat | tggtgcggta  | tgtctgttcc | gagaaacatc  | cataccgtcc  | 2043660 |
| catttgtagg  | aaattgatgc | ggtcaggtat  | agccatgaat | aatttcattg  | catccatgaa  | 2043720 |
| tactttctga  | aaagatttgc | ttatatattac | agctgattcg | agagcgtttc  | tgactcggga  | 2043780 |
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| ttactaaaaa  | tcagtgaatt | atgaaatact  | ttttctgttg | attttcagct  | gttttagcata | 2043900 |
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| aaaattttacc | gaagtattga | ttataagaac  | aaaagactat | ctgattttat  | accaccaatt  | 2044080 |
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| tcccgtgagc  | tgttcaaagt | cacggcgctg  | gagaaaacta | tgtcctgaaa  | agaattctgt  | 2044380 |
| gagcttctgt  | ttcacctctt | cgctgtccat  | ctttgaagaa | tgtcgggaag  | aatctgccga  | 2044440 |
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| gcttcgtaca  | cgaatatcgg | aagccgttat  | atatttcgga | ttaatgtcgg  | gcgtgcattt  | 2044560 |
| cagacttaaa  | ctgaaatagc | cgataccttc  | caagtgtacg | gcataatccat | cgctcagctt  | 2044620 |
| ctcgtaaagc  | tcacgtttca | aggccgtgat  | aacggctgct | acatcggcag  | gagccaccgt  | 2044680 |
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| tttaacagcc  | atatagtatc | agtcggttag  | ttaatatttt | atcaaacgct  | tttacataaa  | 2044860 |
| agcttcatca  | cgtagctgct | tagatataga  | cacgaacgtg | attagctatc  | ggcacgaacg  | 2044920 |
| tgtaagata   | tcatcacgtt | tgtgtcgagg  | taaatttagt | tataattttg  | aatatataca  | 2044980 |
| aggaaagctt  | tgtttaatcc | gaaaacgaat  | aatatatcct | tttcttgata  | ttcatttcc   | 2045040 |
| catatatagc  | cttaattttt | tctcaaaaaa  | attcaccttt | tattattata  | tcacgcaaat  | 2045100 |

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| ttcaaaccct  | atttcgactg | gaaaagtggg  | gggccattaa  | tctatacctc  | cgttacccaa  | 2045280 |
| tcggatgaac  | tataataaaa | acttgaatat  | atttaacaat  | tataagtatg  | tttatgcata  | 2045340 |
| tgtataatga  | aaactcgtcg | ggcctgactg  | ctcagtcctt  | tgccgcatgg  | cgctccctcc  | 2045400 |
| gcaggagtga  | ttatggtttt | actgatataa  | atccatcaac  | atatggctta  | tcttgtgtaa  | 2045460 |
| caactgcaaa  | ggcctgtctt | accaatttat  | tggcgacagc  | aacaacagct  | actttaccag  | 2045520 |
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| gacctttaaa  | gttgacagat | gttcctgact  | gttgatatgt  | tggtgataag  | ccaagataac  | 2045700 |
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| ctttggagaa  | atTTTTtATC | ttcagagggt  | tctccagggt  | tactgtaaaa  | ccaaactcgg  | 2046180 |
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| catcaactga  | tatcgttttt | ataaactcac  | gaataccttt  | agctgtattc  | ttaaagggtt  | 2046300 |
| tggttttact  | gctttttgca | gaagaataag  | caaccacgaa  | tgttaaacta  | ctaacaatcaa | 2046360 |
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| cacactttga  | tgttgaaaat | ttatacaaaa  | gtacaacgtt  | taattaatat  | acaaagctta  | 2046600 |
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| aacccacct   | atggatgtcc | tttcaaaga   | acaacggcac  | aaaaacatgg  | ctgctataca  | 2047080 |
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| ggctgcggaa  | gatacggta  | atgactacac  | ccctactcct  | aaaaagcagt  | aagccgtctc  | 2047560 |
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| cctaaaaaac  | aaaaaaaccg | aacaatccca  | gaacattctt  | catcgttcat  | tttttataat  | 2047680 |
| taaaaaagca  | ctcgttatga | atataaagaa  | attattcctt  | tgcattgggag | ccatactgac  | 2047740 |
| gctgagcttg  | gtaaccatgt | gcgttacgac  | agtaaacgac  | aatgccggaa  | aagaagaaac  | 2047800 |
| ggtaatctgc  | cgtggtcagg | aagcgcatac  | ttccgggtccg | atgggtgaaag | tggaagaaca  | 2047860 |
| ggcaccgcgac | tttcgggcta | cgaatgcgga  | tttgcaagat  | gtcagtcctgt | cgtctttcaa  | 2047920 |
| ggggaaacgg  | atcatcctga | atatcttccc  | cagcctcgat  | acgcctacgt  | gtgccttgtc  | 2047980 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| tgtccggcag  | tttaatgccc | gcgcttcgga | actggagaac  | acggttggtgc | tgtgtctgtc  | 2048040 |
| gatggacttg  | ccttttgcgc | agtcgcgttt | ttgcagcacc  | gaagggctga  | acaatgttgt  | 2048100 |
| tccactgtct  | gttttccgca | gccacgattt | cctgaaagag  | tatggctctt  | agcttgccga  | 2048160 |
| tgggccgtta  | aagggactga | tggctcgggc | ggcatcgtg   | atagacgaaa  | ccggttaagg  | 2048220 |
| gcgttatacg  | caactggtaa | gcaacatttc | gaacgaacc   | gactatgatg  | cagcgcttca  | 2048280 |
| ggcggtaaac  | gacttgtaaa | aacaggaaat | ttgtcagccg  | ttcatcaaaa  | aacctgacaa  | 2048340 |
| aaagttcata  | tcgaatattg | gtaaaaaaa  | ttaattttatt | atctttgttc  | gtatatgaag  | 2048400 |
| aaactacttc  | acatattccc | cgctctgctg | gctctttgtc  | tgtgcgtttc  | ttgtaagaat  | 2048460 |
| acccgggcaa  | agagccagcg | gattatgccc | gtcgagatac  | tggctgatgg  | cgatcttgcc  | 2048520 |
| ttccggcgcg  | gcacaggcct | cttgagtcag | gtggtaactt  | ctgccagcaa  | agacgggggt  | 2048580 |
| tactcacata  | tcggtatttt | aaaaaagatt | gacaacgaat  | ggttcgtgat  | ccatgcgggt  | 2048640 |
| cccgcagagc  | ctgattttga | gggggatcct | gaccgggtaa  | agatggattc  | gctgtcgcgt  | 2048700 |
| ttctttgctg  | ccgacagggc | ggtgcgggg  | atgatagcca  | gagtgcagca  | cgattctctg  | 2048760 |
| gcggcttcga  | aggcggctgc | catcgcctgg | aagatggcac  | gcgaaaggg   | tctctttgac  | 2048820 |
| catgattatg  | atctgacgga | tacatcgcgg | atgtattgca  | gcgaactgg   | ggagtttgct  | 2048880 |
| taccagaaaa  | cgggtatctg | tctttccgaa | ggcagacgga  | cgcaaatcca  | tgttccggca  | 2048940 |
| atgggcgggca | cgtacctcat | gcccgcagat | atagcacgca  | acaagaagct  | gaaaattata  | 2049000 |
| tacagtttcc  | cgtaaaattg | agctttttct | attctaaata  | ttttatttat  | taatcttaaa  | 2049060 |
| aatttaacgc  | tatgatgaaa | caactgattc | gtttcgcact  | gatgctggta  | gctgttcttg  | 2049120 |
| ccttggcatc  | gtgtactccc | agcacaccgg | gagctgctct  | gaaggagtat  | atgtcggctc  | 2049180 |
| tgagcgacaa  | ggattacgaa | aagtttatta | atggatgcaa  | catctccgaa  | aaggatgccg  | 2049240 |
| acaaggcgaa  | agagatacgt | gagggacttg | ttgccatggt  | tcaggaaaag  | ggttccaaga  | 2049300 |
| caattgaaaa  | gagtggcgga | ctcaaggaaa | ctgaaatcgt  | gtccgaagaa  | atggccgaag  | 2049360 |
| acggtaattc  | ggccattgtg | acattcaaac | agcattatgg  | cgacggcagt  | gtcaaggaag  | 2049420 |
| acacgcagaa  | gatggtcaag | gtcgacggga | agtggctgat  | ggacattggc  | aagtagtacg  | 2049480 |
| ggatctcagt  | tcccagaaag | ctacagcaga | ggcggctgcc  | acgttcagcg  | aatcgacgcc  | 2049540 |
| gtgccacatc  | gggatgcgga | ctacataatc | ggattccgac  | aggacttcgg  | cggaagggcc  | 2049600 |
| gtcgccttct  | gttcccatga | taatggcaag | acggggaatg  | tccttcagtt  | ccggataatc  | 2049660 |
| gatgggtacg  | gaacggtcgg | tcagtgccag | ggctgcggta  | cagaagccca  | tttcacgtaa  | 2049720 |
| ggaggctacg  | ggacggggaa | gccacgtcca | gggtaccaga  | aacacggaac  | ccatcgacac  | 2049780 |
| gcgtacggca  | cggcggttca | agggatcgca | ggagtcgggt  | gaaagcagga  | tggcatcgat  | 2049840 |
| gcctaaggcg  | gctgccgaac | ggaagatggc | cccgatattg  | gtggtatcga  | ctacgccgtg  | 2049900 |
| gatgacggct  | acccgacggg | catcgcggca | gacttcttcg  | gcagtgcgtg  | gagcgggacg  | 2049960 |
| gcgcatggcg  | cacagtacgc | cgcgggtcaa | cgtgtagcca  | gtcagtcgtg  | ccaagagttc  | 2050020 |
| ccggctgcct  | gtatagacgg | gaatatcgcc | tgcgcaagg   | atgatgtcgg  | cggcatcgcc  | 2050080 |
| tgctatgtgt  | ttctgtctcg | aaagcaaggc | aaggggctgg  | taaccggcgt  | cgagcgcgac  | 2050140 |
| gcggatgact  | ttcggactct | cggcaatgaa | gatgcctctt  | tcgggggtcta | tgcggttgctg | 2050200 |
| caactgagct  | tcggtcaggg | ttccgaacac | ttctactccg  | gggtgttcga  | gggaggtgat  | 2050260 |
| ttctattaca  | ggcatgtgga | tctctttttt | cccgcxaaag  | ttaagaaaga  | atatcggccg  | 2050320 |
| gagcaacgtt  | tttttctcta | cctttgtccg | tgaaaaacaa  | attaaagact  | aaaaactatg  | 2050380 |
| ctacattttg  | acacggacta | tatggaagg  | gcacatccgg  | aggtgatgctg | ccgcctgatg  | 2050440 |
| gaaacgaatc  | tggaacagac | tgtcggatat | ggtaatgatg  | aatatacgcg  | ccatgcgcgc  | 2050500 |
| gagctggtgc  | gcaaagcatg | cgggcagcct | gaagcggctg  | tatatcttct  | ggtaggaggt  | 2050560 |
| acgcagacga  | atgcgactgt | catcgacgga | ctgcttgctg  | atcacgaagg  | ggtactggga  | 2050620 |
| gcggaaacgg  | ctcacatcaa | cgtgcacgag | gcgggagcta  | tcgaggcttc  | cggacataag  | 2050680 |
| gtgctgacgt  | tgctcaaca  | cgagggaag  | ctgcgtgccg  | atgaagtaga  | ggcgtacatt  | 2050740 |
| gacaattttt  | accgcgatga | aacgtatgac | cacatggtag  | cgcgggaat   | ggtttatatc  | 2050800 |
| tctcacccaa  | cggaatatgg | tacgtctgat | tcgctcagcg  | aactggaggc  | tctgagccgt  | 2050860 |

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|             |            |             |             |             |            |         |
|-------------|------------|-------------|-------------|-------------|------------|---------|
| gtatgccgta  | aggcgaatat | tccgctttac  | atggacgggtg | cgcgctctggg | atacggactg | 2050920 |
| gctgctccgg  | gtacggatgt | taccttgacg  | gatattgctc  | gcctctgcga  | tgtgttttat | 2050980 |
| ataggaggta  | cgaaggtggg | agcattgttc  | ggcagaggctg | tagtggctcc  | gcatgcggaa | 2051040 |
| cgctctccgc  | atttctttac | gctgataaaa  | cagcacggag  | caactgctcg  | caaggagact | 2051100 |
| ctgctgggag  | ttcagtttga | aacgttggtt  | accgacggac  | tttatcagaa  | aatgggagag | 2051160 |
| catgctgtac  | gtctggcgct | gaaactgaaa  | caggcttttg  | tccagaaggg  | atacaaactt | 2051220 |
| catctggatt  | cgccgaccaa | ccagcagttt  | gtctgcctgc  | cgaatgaaga  | catcgaccgt | 2051280 |
| ctttcggctc  | atgcgacttt | cgaactgtgg  | ggaccgcgcg  | gagaaaagga  | aacagtggta | 2051340 |
| cgcttcgtta  | caagctgggc | tacacgcgag  | gccgacgttg  | atgcgctgat  | tgcgttactc | 2051400 |
| taaatcgctg  | tcggcttctt | cgatggaaaa  | ctggtttacg  | gtgacggcga  | tagcatattt | 2051460 |
| tatcagtcg   | tcacgcgaag | ccagcatggt  | tccaccgctt  | cgtatgcaca  | tacgtaccgc | 2051520 |
| catgccgtcg  | tttgccgtaa | gcaggtattc  | gccggaatgc  | tgctgctcat  | tgacggtaaa | 2051580 |
| ccacatgccg  | ttttgcccgt | attgcacttc  | cacgtagatg  | ccgtcggttt  | cataatccca | 2051640 |
| cgaaatacgg  | tattttgaag | ttgtaccgcg  | atgaaaagtg  | aacgtacaag  | tcgactcgtc | 2051700 |
| gtaattgatg  | taggaaagcg | tgggtgacttc | ttcgggataa  | aagttgaggg  | ctatgcggct | 2051760 |
| caccgtatcg  | gttgtcagca | gattgtttac  | ggcatactcg  | gtatagggtt  | cacccaaatg | 2051820 |
| tttcttggcg  | atgggataat | aatcgatggt  | ttcgtttctg  | caggagccga  | accagatggc | 2051880 |
| agcgagtatc  | atcgctacca | tcccataaat  | tgctttctta  | ctcattcttc  | ttctgttgct | 2051940 |
| tcgttctgca  | tcatatcaaa | cggagggact  | tcttcaccgg  | gagcaggctt  | gtcggctttg | 2052000 |
| ggcatgggac  | gtggagccgg | ctgttcgggc  | ttcatcgtea  | gccagaggtc  | gtactgctcg | 2052060 |
| tcggtcagaa  | ttttgcgaat | tttcttcatt  | cgtttttctg  | cgcgcttcctc | catttctttc | 2052120 |
| tttttctctt  | cacgatcggc | gggaggtgcc  | atcatcgga   | ggccgcctcg  | tcccatcata | 2052180 |
| gggggctgac  | catcgccacc | catcatcggg  | ggttcgccgc  | cgccgttcat  | catcggggga | 2052240 |
| cgaccgccac  | ccatcatcgg | agggcgaccg  | gctcctttat  | cgccgcgacc  | tatcagggct | 2052300 |
| tccagttttt  | ctctctcctc | cttcagggtg  | agcttgtaga  | ttttcttgta  | ttgtttttcg | 2052360 |
| gtcagattaa  | gcactttatc | catttcgtct  | gtccgcttgc  | gggcagcctt  | ttcgggattc | 2052420 |
| ggaatttcct  | ttgccggagc | ttgtttctcc  | tggtgggggt  | cgtcggcaac  | tggtgtggct | 2052480 |
| gaagctgtgg  | aagatacagg | cagcagcggt  | gccagacaaa  | gaacacatac  | gattttcttc | 2052540 |
| attttcatct  | tcaatatctt | tttaagattc  | ttgttcaggg  | gaacaaaggt  | aagccgggca | 2052600 |
| gtgctttccg  | gaaaatagaa | tcagctaacc  | cgcttattct  | ctcggctaac  | tcttgctaaa | 2052660 |
| tcagatttac  | ccgatagtat | aaagacggta  | aagcaactaa  | cagataaaaat | tagtccactt | 2052720 |
| ggtctgcaaa  | atcattccat | tcgccgattt  | tagttgcacc  | gggataagca  | cagacgtatt | 2052780 |
| tttgacagaca | tgaaaaaaga | gtgaagcacg  | acaatgaaac  | atctacaaaa  | acaattactt | 2052840 |
| ctggaacagc  | ttatttatgc | gacgatctgg  | atattgatac  | tgggaacgcc  | gcttatcagt | 2052900 |
| ttcctgctcg  | acgatgaccg | tccgatggaa  | gggatgagc   | tctggaagga  | ggtagcgtat | 2052960 |
| acgtggctga  | tcgttctccc | cttcttcctc  | ttgttcctga  | tacataatta  | tgtgcttatt | 2053020 |
| ccgcgactgt  | tgctcaaaaa | gtattatacg  | cgttatgtgg  | tgtcgcttat  | ctttaccatt | 2053080 |
| ggtattctgt  | ttttgtacct | gccggaatgt  | attcagggtat | tacaccgcga  | tccggatttc | 2053140 |
| cggccgcaaa  | aagagtttgt | tatgccggat  | tcggcacctc  | atgtcctttt  | tcccgaccgt | 2053200 |
| cctccggttt  | ctccttcgag | caaaaaaatg  | atacaccctg  | cccgtcccat  | acatccgcct | 2053260 |
| ttcttgctga  | ttcatattac | cgtggccatc  | ttgctggtgg  | gatttaattct | gactttccgc | 2053320 |
| tttttcctca  | agtcgctcca | cgacgacgag  | atgttgaaag  | agctggagca  | tcagcatttg | 2053380 |
| gaatcggaac  | tgcaataact | gaagtatcag  | ttgaaccgcg  | atctcttcct  | gaatacgtcg | 2053440 |
| aacaacattc  | atgcgctggg | ggacattgat  | gcggaaaagg  | cgaaaaagac  | cattatcgag | 2053500 |
| ctttcgaagc  | tgatgcggta | tgtgctgtac  | gaagcgaaca  | acagccagat  | ttcgctggaa | 2053560 |
| cgtgagattc  | agtttctcga | gaattatata  | gcactgatgc  | aactgcgcta  | taccgacaag | 2053620 |
| ttactgattc  | agaaggactt | tccgctcatc  | gtaccttgcg  | tacagattcc  | tcccctgctt | 2053680 |
| tttatctcgc  | tgctggagaa | tgcgttcaag  | cacggggtaa  | gttaccggga  | agagtcgtac | 2053740 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| atcgaagtac  | ggatcgcgca  | ggtggacgag  | gggatcttgt | ttgcctgccg  | caacagcaag  | 2053800 |
| cacgcctgta  | caaaggatac  | gcaccacggt  | ataggcatcg | agaatataaa  | gaaaaggctt  | 2053860 |
| cacctgctct  | atggcacgaa  | ctatacgttt  | accattaccg | aagatgaagt  | ttcttaccat  | 2053920 |
| gtattactta  | taattcctcc  | gctatcatga  | aatgtctgat | tatcgacgat  | gaaccgctcg  | 2053980 |
| ccctgacaca  | actggcgggc  | tatattgcac  | gtattccgtt | ccttacgctg  | gtggcttcgt  | 2054040 |
| gccaggatgc  | ctgtcaggct  | tctgaaatac  | tggcgcagtc | tcctgtcgac  | ttgctttttg  | 2054100 |
| ccgacatcaa  | catgcctgat  | ttgaacggta  | tcgattttgt | ccgctcgctt  | cccaatccgc  | 2054160 |
| cgatggtcac  | ctttactacg  | gcttattcgg  | agtatgccat | cgaagggttc  | cgcctcaacg  | 2054220 |
| ccatcgatta  | cttgatgaag  | cctttcagct  | ttgcagaatg | tctgaaggcg  | gccgagaaag  | 2054280 |
| cccggaagat  | gtatagtctg  | acgcacaatg  | cgacggatac | agaagaggat  | aaggggactt  | 2054340 |
| tgtttgtgaa  | gagtgaatat  | aagggtggtac | ggatagataa | ggagaagatt  | ttgtacatag  | 2054400 |
| agggtatgag  | tgaatatgtg  | tgcatttatc  | tggaggatcg | cccgaaacct  | gtcatcacgc  | 2054460 |
| tgaacagtct  | gcaaaaagttg | tcgacctatg  | ttccgtcgaa | cttcatgcgg  | gtgcatcgct  | 2054520 |
| cgtacattgt  | caacctgagc  | aagattaccg  | agatttcccg | gttccggatt  | ctcttcggaa  | 2054580 |
| aggatgtgta  | tattcctatc  | ggagaaaact  | ataaggagca | gttcatggca  | tatattcatc  | 2054640 |
| ggctgggact  | gatctgacgg  | aagaaatggc  | tatctttgca | gcgttctctg  | aatacaaaat  | 2054700 |
| gaattgcttt  | atggaaaagg  | aaaaagatgt  | acattcttgt | gtggactgcg  | gcacacagaa  | 2054760 |
| ctgtaagtac  | aaggaccgga  | cttatcctga  | tttctgcctc | acgacgaact  | tgaaggaaga  | 2054820 |
| ggatatgcag  | tgggcgctgg  | aacggtacga  | cgagggggat | aaccgccggg  | tgatgattgc  | 2054880 |
| cagtgcggaa  | gtggaatacg  | aggggtactg  | ccagtggacg | cgtgtgcagg  | agatcatgga  | 2054940 |
| gtttgcccg   | aagatcaatg  | cacaccgcat  | cggatatagc | aactgtatcg  | gactgataaa  | 2055000 |
| cgaggcgcgt  | atctttgcgc  | gtattctccg  | ggcgaacggt | ttcgaagcgt  | actcgggtgat | 2055060 |
| ttgtaagggt  | gccggcaaa   | ccaagagttc  | gatgggtatt | ccgggtcaat  | gtgaaagcat  | 2055120 |
| aggggctgcc  | atgtgcaacc  | cgattttaca  | ggcgcgtctg | ctgaacgagg  | cgaaaacgga  | 2055180 |
| cttgaatgtg  | gtgatcggtt  | tgtgcgtggg  | acacgacagc | ttgttctaca  | agtatgccga  | 2055240 |
| cgcttatacc  | accaccttgg  | ttaccaagga  | ccgtgtgacg | ggaacaatc   | cggctgccgc  | 2055300 |
| gctttatact  | gccaattcgt  | attaccggaa  | gaagttcttt | ccggaagaag  | agaaaaagta  | 2055360 |
| attttcaaat  | ccaaatatca  | tcgtgtataa  | aaaaagtcaa | tcggcctgaa  | ctgttttcag  | 2055420 |
| aaaggctgat  | tgactttatt  | gtttacttca  | gttttttacc | gtcggaaaag  | gccttgcccta | 2055480 |
| ctttcggacc  | gatttccaga  | taatccaaat  | gaaccggatc | gaagggtgatc | ggtctcagtt  | 2055540 |
| tggctatatac | taccttgccg  | tcttcgccca  | atacgctttc | atcgacggat  | acattgacga  | 2055600 |
| tgcggccggt  | catgtaacag  | gtttcggcat  | cgtacgatac | aagctcacac  | tccagtgtca  | 2055660 |
| tgggaagctc  | ttcgatgacg  | ggagcattga  | caaaagcaga | tttcacggca  | tggaatccgg  | 2055720 |
| catgtgcaaa  | cttatcgagt  | tctttgttgc  | ccgacacgat | acctacatag  | tcgcattccg  | 2055780 |
| ttacgcggtc  | ggctgtaccc  | atgctgacgg  | taaaggcacg | tgtcgcaaga  | atgttcttgg  | 2055840 |
| ttgtcttatg  | tccttcggac  | agacagatgc  | ctaccatatt | atcgggtatat | gtacctcccc  | 2055900 |
| atgcggcatt  | catgacattg  | ggaactccat  | tttcatcgta | agctgccacg  | ataaatacgg  | 2055960 |
| gcacgcgata  | taaccagggt  | tttactccaa  | aatcttttct | cataggtggt  | tactcctttc  | 2056020 |
| tctttatctt  | taatggtttt  | caaacgattt  | tcttgcttta | tgcattatgc  | tactttgtcc  | 2056080 |
| tttcggtaat  | ggctaccttg  | atgactccat  | ccagacgggt | ctcgaagatg  | cggtaggctt  | 2056140 |
| cttctatctg  | gtcgagcggg  | aaacggtggg  | taatgagcgg | tgtggtatcg  | atcttaccct  | 2056200 |
| cggctatcag  | gcggagaatc  | tcggcacagt  | cgcagccgtc | cacgccaccg  | gtcttgaagg  | 2056260 |
| tcaggttctt  | tccgtacatg  | tcgggcaacg  | ggagtatctg | aggatgatcg  | taaagtgcga  | 2056320 |
| caatggtcac  | aatggcattc  | ggacgggcac  | actcccacgc | catgcggaat  | gtctcgtcgg  | 2056380 |
| ttcccgccac  | ttcgatcacg  | atatcggtc   | ctccatgcgc | actgagtctg  | cgtacttctc  | 2056440 |
| cggcacatgc  | ttccggccgt  | acaacctgca  | catcgggata | gtgctcacga  | acaaagcgga  | 2056500 |
| tgcgttcttc  | cgactgctcg  | catacgatga  | tctgtttagg | gtgtttcagc  | attgtacaca  | 2056560 |
| gcaagggtgca | gatacccgta  | gggccggctc  | cgataatgag | aacgggtatcg | tcgggcgtaa  | 2056620 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| tttccgagat  | acgtgccgcc | cagaatccgg | tggaagaat  | atcgccctacg | aaaagtgcctt | 2056680 |
| gttcatcggt  | tacgccttcc | ggtatacggg | tcagcccctg | atcggcgtaa  | ggcaccgcgta | 2056740 |
| cgtattccgc  | ctgtccgccg | tcgatgcggc | agcccaaggc | ccagccctccg | tgttcgtctt  | 2056800 |
| cgcagttgtt  | tacatatcca | tgccggcaga | agaagcattc | gccacagaaa  | gtttccacgt  | 2056860 |
| tgaccgtcac  | acggtcgccg | ggcttcacgg | tggtgacctc | ctcgccctacc | tgttctacaa  | 2056920 |
| tgccctaccat | ctcatgccct | acggtaatgc | ccggcacggc | acgagggaca  | cttccatgct  | 2056980 |
| tgatatgcaa  | atcgctggta | cagatacttc | ccaacgtgac | gcgcaccacg  | gcatcacgcg  | 2057040 |
| ggcctttcag  | ttccggcacg | ggcttttcta | tcagcgaana | atgtccgtgc  | tctatatagg  | 2057100 |
| tatatgctaa  | cataattttg | attttttagt | ctattacttc | tatcagaaaa  | ctcacgggac  | 2057160 |
| ggaacccgct  | gttgacgcaa | atcatggccg | aacgttcatt | tttcatccag  | ccgtcgtaga  | 2057220 |
| aattgctgcc  | tccatgagcc | agtgccatga | cgaaggcgga | catgctctgc  | cacgcacttt  | 2057280 |
| cacagagtcc  | ttcgggcttc | tcccagccat | tggtataaaa | gacctgccct  | tcttccatat  | 2057340 |
| cgcagtcgtg  | ttcgatgggg | ttttcgtatt | gctccatcaa | gtcccgatag  | caggccttgc  | 2057400 |
| gcatgacggg  | aatgcggatt | tttttcattt | ctcctccttt | cttctatttcg | gaaaataggc  | 2057460 |
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| acgaagtttc  | aacacatcaa | cctccgatcc | catcagctcg | agcacgctac  | gggtgtccgcg | 2057580 |
| atgtgccagc  | aaggcacggg | atatttcccg | cagacgcgta | cccaacaccg  | gatgctgtaa  | 2057640 |
| atacgcacga  | gcctcttctt | ctccatccag | accgtagtac | tgtgagttgt  | aactatatcc  | 2057700 |
| cagccccttc  | tgctgaggaa | agatatacca | aatccaatgg | ctgcgcttgg  | cacctttttt  | 2057760 |
| tatttctttc  | aaggctaccg | gatacatgtc | ttcctgagca | tccagaaagc  | gttgacagatt | 2057820 |
| aaatttcgta  | ggaccatata | tcacccgttt | ttttatcttc | tctcaaagtgt | aaggattatc  | 2057880 |
| tcgcaatatg  | acaaggtttc | aggggcttct | ttacaacctt | tcaaagtagg  | tcctcttacc  | 2057940 |
| taacaagtca  | aacacagctt | cgtttcagaa | gcttctttat | gcctgatcta  | agacctgtga  | 2058000 |
| tccgtttttt  | tgtaaaaatt | taatgacagg | attgttttta | ttcacagaaa  | tacatatctt  | 2058060 |
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| gtgctctttg  | acgtacgagc | tgccaacctc | tctttcaacg | gggaaacgag  | aggtactttc  | 2058300 |
| tttttctgcg  | gactgcaaaa | gtgctgtgcg | cgggaagatg | ttatgctatc  | tgtttttttc  | 2058360 |
| acttaaaaaa  | tcatttggtg | cttatgaaaa | atcttatgtt | acgcgctatg  | cgcactctcg  | 2058420 |
| acgaaagtat  | ttgtgctcct | gaatatgcca | acaatcagtt | gactatcgaa  | atgctgtttc  | 2058480 |
| ctgaacctcc  | tgcttccatg | aatgaattgt | ccgtacaggt | ctattcgaag  | gactatcgac  | 2058540 |
| tgatgggagc  | ggatgtctat | actccttctt | cacagaagat | tcctcgcaaa  | atacgcttta  | 2058600 |
| cgggtgctttc | ggatacgtac | tgggacgatg | cggaaatctg | tgtatttgct  | tttctgaacg  | 2058660 |
| gacttccgaa  | atggattgcc | tcgctcactc | cctcaccttt | ctatgaggct  | tgggagaaag  | 2058720 |
| tcagattgga  | agaactctgg | ctgcatccca | atccaaagtt | ctttatcgaa  | cgtattggta  | 2058780 |
| cggccgactg  | gtggcaaaa  | gtttattccg | aaaggtagca | ttttccggct  | cccgaagaac  | 2058840 |
| tgatcagtaa  | atttcgtatt | tatgcagaag | caaagatgc  | ttcgccgcat  | ctgctgatta  | 2058900 |
| cgggaaaccg  | cctgatggca | aaagctttcg | cctgctttat | cttatcgctt  | tttcttaccg  | 2058960 |
| gtgaggatac  | acctgaacgg | cgcactctct | ctctcggtaa | cctgatctcg  | gacaagtcgc  | 2059020 |
| aatggaacga  | actggcaaa  | gctatggaac | agaagtatgt | catcgtcatg  | tatgttccgg  | 2059080 |
| aactggaata  | caatgcctgt | acagtgaact | tactttcgat | gctgggagac  | caactcggca  | 2059140 |
| aagagggctt  | caaccgtccg | gcctttatct | tccacggcac | ggaaaataat  | gtaagacagc  | 2059200 |
| tcctcgaaaga | atgtccttcc | atagctgaac | tgtttactga | atacagtagc  | ttctgcctcg  | 2059260 |
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| tcgatgacgc  | agacgtgaaa | ccggctccga | cagaaacgac | ggccatggaa  | tattccgccg  | 2059380 |
| aagaagaact  | tcggcagatg | gtgggactga | agcagctgaa | gaaggagata  | ctggaagcac  | 2059440 |
| ggatgatgtc  | gctcttctta | aaggaacgga | gggaactgca | tctggaacgg  | cagactgaaa  | 2059500 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| gtcgttatca  | catgcttttc  | ctgggaaatc | ccggaaccgg  | aaaaacgacc  | gtcgccaagc  | 2059560 |
| tggtgggaaa  | aatgtatcac  | cagataggat | tgctgtcgaa  | gggtcatacc  | gtggaaacct  | 2059620 |
| gccggacca   | tctttagagg  | gaatacttgg | gccagacgga  | aaagcgcgatg | agagaggtga  | 2059680 |
| tcgacgaagc  | ccgcgaggagg | gtgttgttta | tagacgaggc  | atatacgctg  | atggaaaacg  | 2059740 |
| acaacgactc  | gaaggattac  | ggcagggagg | tgatcaatgc  | actccttacg  | atattgtcgg  | 2059800 |
| aaccgaatcc  | tgacatgatt  | gtcatcctgg | ccggttatga  | agataagatg  | aagaagctgc  | 2059860 |
| tcaaaagcaa  | tccggggctg  | agggaccgct | ttccgcttcg  | tttccatttc  | gaggattata  | 2059920 |
| cttcggatga  | gctgagcgaa  | atagcacacc | gtatcctgaa  | aaaccggaat  | tttgttctga  | 2059980 |
| ctcccgaagc  | cgacgaacgg  | ctgaaccgcc | tcatcgaaac  | ggaaaccggg  | cagcgggatg  | 2060040 |
| aatacttcgg  | caacggacgc  | tgggtgcata | atctgataga  | acaaggctctg | atcaagagta  | 2060100 |
| tggcacaaa   | agtgatgaca  | gcgccacgtc | ctcaagccat  | gctttatcag  | ttgttcagca  | 2060160 |
| ccatagaagt  | gtgcgacgtg  | gaagccgtcg | agacatcctt  | cctccataca  | atgaacctga  | 2060220 |
| gtcttactcc  | tccgtgccgt  | atcggattca | gggcataacg  | aatggatcat  | ccggactatt  | 2060280 |
| cctgtgcaac  | gaaatgaatc  | ttgaaaaagc | ggataaaaaa  | gaagtcgtat  | cctcattctc  | 2060340 |
| ccaagagaat  | tggatacgac  | tcttcttcat | ttaatgtatg  | ctatgatttt  | aatgctattg  | 2060400 |
| atattagcca  | ataactactt  | cgccatctac | tgttgccctga | tctccccaag  | aaccgatagc  | 2060460 |
| tccgccttcc  | acggttatct  | tgtccttaca | caatttcagg  | gttaaggtaa  | tcttctttcc  | 2060520 |
| acccaacaaa  | gtttcctgag  | gcattttcag | ttcctccaaa  | agtgttttca  | ggctatatct  | 2060580 |
| ctttgtcagc  | tgatttatct  | tgactgacaa | agtcacatcg  | gcagtcggct  | gcggcacaag  | 2060640 |
| gtagaaaaga  | gctgtggtac  | cttccttctc | aaagcttgct  | acttccgggt  | ttgtactctt  | 2060700 |
| aatctttcct  | gaagcaacat  | ctaccacaca | agcagctttc  | gccttacaag  | tagtaaccaa  | 2060760 |
| agtcttcaac  | tcctctgcag  | tgtaatatcc | gtctgagctg  | aaactgatat  | tcagcaaatg  | 2060820 |
| catggcatga  | ttgaaagaaa  | gattgacagg | gttgggactc  | cctacagtca  | ccttttgcgc  | 2060880 |
| ttcagacagc  | aacaaatcct  | tatatcttga | tgtagaagta  | ttaaattcga  | aagtaccgtc  | 2060940 |
| attgccta    | tcctgcttcg  | gatagcatgc | cgaaaaagtc  | acttccgaaa  | cgcctcccgg  | 2061000 |
| taatttcaaa  | ccgctccatg  | acatagaagt | agcacccaat  | gtatacgtag  | tagagatagt  | 2061060 |
| attcatagtt  | cctgccacaa  | aaatcgacaa | gacatcatcc  | tttacaaaat  | taccacttcc  | 2061120 |
| gtcttccctc  | aagtcaggca  | ctcgtgtcag | aggagctaca  | ttgggtcacta | tcttgattac  | 2061180 |
| atcattccct  | gcttgccggtg | tctctacatc | cttctttgaa  | caagaagctg  | ctaaaattcc  | 2061240 |
| cgccgtcaat  | aatacataaa  | ctttgttcat | tctcattttt  | ggtttttcta  | tattcaacga  | 2061300 |
| ttaaaaccaa  | gaatggttca  | tcgtttttac | gaatatttca  | atattttattc | attttgagat  | 2061360 |
| ttcctagtaa  | gatcatttca  | gcctccaact | tttatattct  | cagctgagat  | atgtccacaa  | 2061420 |
| gctgaaattt  | aaaaatgaca  | gatattcagc | cattttatta  | tgcgatcatt  | atcggcttga  | 2061480 |
| tgaataatac  | ctcatctcag  | ataagaaggt | ttcattgtat  | cataattagt  | accttcaaat  | 2061540 |
| gtcaccttcg  | gagagtgggt  | atttccaagt | ccggttaagga | attccacata  | atctttcaaa  | 2061600 |
| taaatattgg  | tgaaggagc   | atcattccag | gtatcgggta  | catattggat  | gttgaacata  | 2061660 |
| atcatcgaa   | tctgaccagc  | ttttttctgt | ttctgcaaag  | ttgatcttct  | gttttctata  | 2061720 |
| cgtccaatca  | cactaccatc  | agaagtactc | tgttcccaga  | atctggtaac  | atgtttcaac  | 2061780 |
| cgtttcgc    | aaggttcaac  | ctccaggctc | atttcaaagg  | aagccactcc  | aaatttcttt  | 2061840 |
| ttggcaactt  | cgccatccat  | tcctgcaatc | cagggtggtc  | ttgtagttcc  | ttcggctgag  | 2061900 |
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| acctctatac  | ctgccagttc  | gtccaagaca | gactggtttt  | ccggattccg  | aaccatttcg  | 2062020 |
| cgtaccgctt  | tccggctttc  | actgatttta | ttgccataat  | tatccatata  | tgccattttt  | 2062080 |
| ttctctcctt  | tctttatctc  | atcgaaatta | ttgctgaaca  | gacgccatcc  | tcgggtcacct | 2062140 |
| accatcgcat  | tgctgtagaa  | accgatgttg | tacatcgtta  | tgatgttatt  | ccgggtctttc | 2062200 |
| catggctgcc  | cttcaatgta  | cggcattaga | tctctcagtt  | ccttgataag  | gaaatgaaaa  | 2062260 |
| cttcccatct  | gtaccattgg  | tcttccgggc | tgaacagatt  | ccaacgcctc  | cggatagtcg  | 2062320 |
| gcataattcat | catcgaacat  | cactccgtca | agtccgtact  | ttctcacagc  | ttcataaata  | 2062380 |



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| tccccgggcaa | aatctttttac | catctttccgc | ccattgctga | tatcaagatt | ggagaaacca  | 2062440 |
| attccctgat  | gattaggtat  | gaccgacaac  | aggactttta | tttccttttt | ctgtaaaggc  | 2062500 |
| cttacaaaga  | tatccacatt  | atctaatatg  | cgtttcatgt | tatcattata | cgccagaacc  | 2062560 |
| ggttttcctg  | agaactcatc  | aaaattcatg  | tttgacagaa | aaatgacagc | catatcaaac  | 2062620 |
| aacggtcgt   | tcttctccgg  | ttgactctca  | ccataaggat | aaagcatata | attgccaata  | 2062680 |
| ttacgcaagt  | cattctccgc  | agcctctaca  | atggcaacca | ttctgggttc | tgccactgtc  | 2062740 |
| ggagttcgat  | ctgtccacga  | catatctatt  | gctgttggtt | caagattgac | tatctcgaca  | 2062800 |
| aactgtacgc  | cgatttccgc  | tccaccagct  | ttcagaacca | aaggaagaac | gtaagtacca  | 2062860 |
| ttgtctgtat  | gatgaatctt  | gacaggcacc  | gatacactgc | tttgtccttt | ttccagcaca  | 2062920 |
| acagatgcag  | gtaacgtata  | ttgagattta  | tcaagaagct | tatacaaacc | gatacccttg  | 2062980 |
| aaatctgcat  | atttcttggg  | cagatcggcc  | aagacttcat | ccgaagtttc | aaactcagcc  | 2063040 |
| acaatatcct  | gattactggt  | tttgccctgt  | cgcagttcaa | aaaccatttc | ttcgcccgc   | 2063100 |
| aatctgtgag  | taatatgtgt  | ttctgctccg  | ggtaatacaa | actgaggctt | tcccatcatc  | 2063160 |
| agagcatttt  | cgatctcagg  | tacttcggcc  | gtcagacttt | cttccttaca | actacagcag  | 2063220 |
| aaagccgcaa  | cacaccctat  | tataatgtag  | aaggatttat | atagtttcat | cacctttttc  | 2063280 |
| ttttaaaatat | taatatcaat  | atcattatca  | atcactacca | cgggagttac | agattcatca  | 2063340 |
| gtggctcctt  | gccgtttttac | tgtaagggtg  | catccgtttc | cacttacgtc | ggaaatcttc  | 2063400 |
| tgattaccgg  | atccaagcat  | cactttgttc  | attttccagt | aagccagcat | tttactcttt  | 2063460 |
| tcaagatcaa  | actgtatcac  | atccagtgc   | ttgtctttta | attcctttat | tggtctggaa  | 2063520 |
| gttttccata  | ttctgacttc  | cgacattttg  | ccgttaaate | ctctccattg | gttaaaccgac | 2063580 |
| tgthcccaacc | ggaacgaaga  | gccagccaga  | ctaataattc | cagtagaact | tatggacaaa  | 2063640 |
| cgthctctat  | agtttatata  | gaacttaata  | tctgccccat | cgtaagtcat | ggcaatatga  | 2063700 |
| taccactgct  | tttccttgaa  | cttataattg  | atgatgtatt | tcttgtcatt | aacaataagc  | 2063760 |
| tgtagcatgt  | tagtagaaac  | acccgcatcg  | ccaaaacgca | gcaaaaaatt | cacggttcca  | 2063820 |
| ccattatcct  | cgcatcccca  | caacgaagag  | ataccagcaa | gagttccctc | cgaacgttcg  | 2063880 |
| ctttctgcct  | taaatgaatc  | cacatagata  | agtccttcaa | tcgtacaagc | ctgcaagttt  | 2063940 |
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| gagaaactat  | taataatacg  | gatggtacaa  | ctattgactg | caacctttcc | atctctttcg  | 2064240 |
| aacacgacca  | tgctgtttct  | caacttgtag  | gctgcctcgg | gaaggaactc | tgctttataa  | 2064300 |
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| acattgtccg  | aagctatctt  | accatctctt  | aattttgccc | ataccgtaac | ttccttagta  | 2064420 |
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| atthttctact | cctctcaaag  | ccataaccgc  | cgthctttct | cctgtcagcg | gcttccatag  | 2064780 |
| gctcagcgat  | ttgtattttc  | cgtccataac  | agcaacagac | gacaatatat | ctttataggg  | 2064840 |
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| ttccatagac  | atgaagctgt  | tgaacaagtc  | ctgtacctca | gaaagcctgt | cgttaccatg  | 2064960 |
| agtggtagctg | atgacataat  | caagccactg  | gcaactgttg | cttacatatc | ctatataacc  | 2065020 |
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| cagtcctatc  | tccgaaatta  | ttttttccga  | acggtcaagc | agcgtgtttc | ctatggtaga  | 2065200 |
| atagtgatcc  | atcaccttct  | gacgttccgt  | ttttacagca | gcttctatat | ctcccataga  | 2065260 |

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| ctttgttccc  | ttttctcctc  | tgacacatcg | taaatcggcc | ttttgtgcat  | cagacagtgt  | 2065440 |
| atcatactct  | cctttcagaa  | taatcatatc | aagactatcc | ggcaacgtac  | ttaaataaga  | 2065500 |
| gttcatgttc  | ccgtccgcct  | tccagtttga | aaaccatacg | gcagatatat  | aatgctcagt  | 2065560 |
| cgatttatag  | tttttgattt  | cagtcagggt | tctgtctgcg | gaatttacta  | ccacaggtag  | 2065620 |
| aggttcaatt  | tcggtacagc  | caacaatcag | cagaccaga  | cctgctattt  | ttattatatt  | 2065680 |
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| cgcttggaag  | tattctccaa  | ataatttccc | atagatacat | tatgcatatt  | catcgacagt  | 2066160 |
| tctattcctt  | ttacatacag  | ttcttttgcc | gaaccaccca | tattccattt  | ctttagtgtc  | 2066220 |
| ccttctgccc  | tcaggaaaaga | aacctcgga  | gcagtcattc | atactacagg  | gtctgaaacg  | 2066280 |
| gttactttcg  | gacgagaata  | aatgtttgaa | gccgcattga | tcagttcttc  | tttagccggg  | 2066340 |
| acagctactc  | ctgacctcaa  | accaaagtaa | acatcatttc | cacttctgtt  | cgttttttca  | 2066400 |
| aaataagcct  | cccgtcgcgg  | atcggaataa | gcattcatgt | aagaaataat  | atctgtccta  | 2066460 |
| catcggttat  | ctccccagtt  | attactcatc | ttataaaaag | gattatcaga  | ggtaggtttc  | 2066520 |
| attgcgttct  | cggcattatt  | ttcaatgaca | cctgctcgaa | cagcttcctc  | tgccccattt  | 2066580 |
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| gaaaacttta  | cccatttagc  | aaggtcaccg | ttgtatacgt | catcatgcgt  | catccatgca  | 2066700 |
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| tcaatcattt  | tccgatagat  | atactcttgt | gtctgatatg | gcttttgagc  | ttcagttccc  | 2066820 |
| gaaaactcat  | acggtatagg  | tccatacata | tcggtcaacc | tatgtaatac  | ggctaccttt  | 2066880 |
| agtattgtac  | cccatgcata  | aaagacatta | tcatggcttg | cattagtagc  | caaagccaaa  | 2066940 |
| gaattgtatt  | gcttgatgac  | ttttggtaaa | gattgttcat | ccgtaaaccg  | atattctata  | 2067000 |
| aagcctacat  | tataattgaa  | acgtcccaaa | tcagtatgtt | tcgtctgtcc  | catataccct  | 2067060 |
| gaaagtgatt  | cacagcccag  | actcatggaa | tactgaaaca | gattttcctg  | caaaggaatc  | 2067120 |
| acaataccag  | acagaactcc  | gcaatcggtg | gcaacctgtt | cggctatgcc  | tccagaagca  | 2067180 |
| agtacttcat  | ccgatactcc  | ataaggatta | ctattatatt | ctgcaaaatg  | atcagtacaa  | 2067240 |
| cttgacgcaa  | acatacctgt  | caatatagcg | aataaaaaaa | tcttgttcat  | agtttaataa  | 2067300 |
| tttagtccat  | tacagatttt  | aaaacttagc | ctttatgcta | aaaccaaggc  | ttctcaatga  | 2067360 |
| aggcaacata  | aaataatcca  | atccctgcgc | ataattacc  | gtagatgaaa  | cagactcagg  | 2067420 |
| atcgaacggt  | gccttacagt  | aaaacatcaa | cagatttttc | cctgttaaag  | acaaagacaa  | 2067480 |
| atccaagaca  | ttaccagacc  | attttctcgg | tatgttatac | gaaatgtaag  | cctcacgcaa  | 2067540 |
| acgtacattg  | gaagctgtat  | aagtataata | ttgtgtcaga | taatctttag  | gtctaccctg  | 2067600 |
| caactgatag  | tatgactgtg  | ctggaacaac | aactcccggg | gacaaggcca  | ctcctccagc  | 2067660 |
| atcacgggca  | tcggccgtaa  | ctttcgacac | acctgaataa | tccatcgccg  | cctgagtacc  | 2067720 |
| agacacaacg  | atacctccta  | ttcgggcaga | aatcatgaag | ccaaagctca  | agttcttata  | 2067780 |
| tctgaaatca  | ttcctccatc  | ccattgttgc | atcaggtaaa | agacttccta  | acttcaaata  | 2067840 |
| ttcgtttctc  | ggcttcaagt  | cttgagagat | atcaatattg | ccataagcat  | ctcttacaata | 2067900 |
| atcggttttt  | gcatagatgt  | ctcccaatgt | acctccagga | cgcaagataa  | tctgagcatt  | 2067960 |
| tccaaaatta  | tctttcagaa  | gttcatcctt | ttcaaacaag | ggttcattcg  | gattctgtgg  | 2068020 |
| gtttttcaca  | ttcgctacaa  | gttccttaat | ttcattcttg | ttataaccat  | aggtaaagtt  | 2068080 |
| agtatccag   | gaaaaattct  | ttccaatgtt | tattgttctt | cccaaagcaa  | tttcgacccc  | 2068140 |

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| tttattttgt  | atccacttgg | tagtcaatcc | gatttcaaag  | gagttagtac  | gttccggcctt | 2068320 |
| caaatccttc  | aacggatagt | aaccttcctt | cacccatttc  | ttatcatcct  | ggctaaaagt  | 2068380 |
| attaagttgc  | atagtcaacc | ctctttggaa | cggcgaagct  | acctgtgcat  | aagcaactct  | 2068440 |
| caacttggca  | aaagacagtg | aattatacat | tttattttct  | agttcctctg  | aaagcatatc  | 2068500 |
| agtcaagatt  | cctgaaagac | ctatagaagg | atagaaaaac  | gacttatgat  | ttgaaccaga  | 2068560 |
| caactgtgag  | gcccatacat | tacgcccggg | aaccgtaaga  | aacaacaatc  | ttctccagct  | 2068620 |
| gacttccaaa  | cttccaaata | cagactgcgt | ctgttctctc  | catccttttt  | gataaaactg  | 2068680 |
| agctttctga  | gtcccctggt | caatattctg | cacattgaat  | acattaggca  | agccatcatt  | 2068740 |
| tctcaatggc  | ccctgattta | tcaatgcatc | attcatctgg  | tcgggtcaaac | tggctccac   | 2068800 |
| attcaaagcc  | aaagtataat | catcagcaat | atTTTTattc  | aggttagtga  | gtacatcaac  | 2068860 |
| atagttttgc  | atatcccaac | tattttcaag | accaaagaag  | ccattcttgg  | tacccccgtt  | 2068920 |
| cagcaaagta  | ggaattgttc | ccacaaaacg | cttatcctta  | tattcctgac  | ttgtgcggtc  | 2068980 |
| aattctgtat  | cgagctgcta | catcccactt | ttcagaagaa  | gaccactctt  | taataacgta  | 2069040 |
| cgaaaagccc  | agtatacaaa | tgaagcgctt | tctttcagaa  | gtacggatgt  | ttctataagc  | 2069100 |
| caccagctac  | ggattctgca | tcgtataatc | tccttgccgg  | aaaggacttg  | ccgtaagcaa  | 2069160 |
| tcctcgctcg  | tcatcccaca | tttcaaaata | ttgtgcattg  | ttccaatcaa  | ggcctctagg  | 2069220 |
| atacagataa  | gccccgacca | cggattcat  | gtattctccc  | tgattcacca  | tattctggtc  | 2069280 |
| acgctgtaca  | atatattgtg | ctccgatatc | cattctcaac  | tttcttttaa  | gagcagtact  | 2069340 |
| tgaattacgc  | aaggtaatgt | tgtagcggtc | gtacacatta  | ttgggtatca  | accatttggc  | 2069400 |
| atTTgtggca  | gccaatgatg | cataggtttg | actcttttca  | ctaccatttg  | aaagagtaac  | 2069460 |
| ggcattggta  | taagtagctg | aagtcttgaa | gaaatccggt  | ggagaataac  | ctgtagaagg  | 2069520 |
| ttgtttctct  | ccccagctta | cagccgcatt | cggcaaactg  | ccataggtat  | tctgaaattc  | 2069580 |
| agggcatgata | aaaggatgag | caaactccat | ggaagaagag  | aatgtagctt  | ccaacttacc  | 2069640 |
| ttccttttct  | ttttttgtag | taatcaaaat | agctccattg  | gcggctgaag  | aaccgtacag  | 2069700 |
| agcgcccgcc  | gaggctcctg | taagtactgt | catagactca  | atatcttccg  | gattaagatc  | 2069760 |
| ggcaatacct  | tccgtagatc | ctctggaagc | ataacgtcct  | gaaccttcgt  | cccctaccga  | 2069820 |
| attgaacata  | ggtacaccat | caattacata | caaggcatta  | ttacttcctt  | ctatcgattt  | 2069880 |
| tactcctcgc  | atcacaactt | ttgtagctcc | accgactccg  | gaagaactac  | tctgtatggt  | 2069940 |
| gacaccggca  | atctttccat | tcaagctatt | tataagattc  | gcaccttcca  | ctcttgctag  | 2070000 |
| ctcatcttgc  | tttacattct | gtacattata | cgatagagct  | ttttcttgct  | gcttgatacc  | 2070060 |
| taacgcagtt  | actactacat | cgtccaatac | ttgtgtatct  | tcctgaagcg  | tcacattaat  | 2070120 |
| ttcagatacc  | cctgctgaaa | ctgtcttttt | tatgctagta  | taaccaataa  | aagaaaactc  | 2070180 |
| caatactgcg  | ccgtccgaca | cttttatggt | ataataacca  | tccaaatctg  | tcacgggtacc | 2070240 |
| gttcgctcgt  | ccaaactcta | tcacatttac | cattatcaac  | ggcagacctg  | cattatcaag  | 2070300 |
| tacctgccct  | tttattttct | tgatttgagc | attgattatc  | ccgcataatc  | ccattatgca  | 2070360 |
| gaataaaaaat | ataataagtc | tgttattcat | cgcaataact  | cggtaaattt  | ttaccgataa  | 2070420 |
| attaaaaatta | aacatagaat | cggcataatc | cggttcaaaa  | ttatattcaa  | gagatcattg  | 2070480 |
| aaatactgtc  | aagaataaat | cgtcaaggag | taagaaaagg  | gatgaaaaag  | atatgctaaa  | 2070540 |
| cagctgaaaa  | tcaacagaaa | aagtatttca | taattcactg  | atTTTTtagta | aattagaagt  | 2070600 |
| acttcaccac  | ttttaattat | gactaaagaa | tcactcctta  | tgcaaaaacca | atccgagtgc  | 2070660 |
| agaaacgctc  | tcgaatcagc | tgtaaatata | agcaaactct  | ttcagaaaagt | attcatggat  | 2070720 |
| gcaatgaaat  | tattcatggc | tatacctgac | cgcatacaat  | tcctacaaat  | gggacgggat  | 2070780 |
| ggatgtttct  | cggaacagac | ataccgcaac | aattttgaga  | acgacggctt  | tgactgggtt  | 2070840 |
| tccttcaatg  | aagccatcat | cagggcaaac | cttaaagggtg | gtcgcaaggc  | gatagccgtt  | 2070900 |
| gatccgtctt  | tcattccaaa | atcaggcagc | aaaacgccgt  | ggattggcta  | tttctgggtc  | 2070960 |
| ggttgtgccg  | gtgaatacaa | acgtggactg | gaaataaccg  | gtattggagt  | tatagacgtt  | 2071020 |

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| gacaaccatg  | aatgtatgac  | tttgggctct  | gtacagacac | ctgacaacgc  | aacgctggaa | 2071080 |
| agctgtgaga  | agaatcttgt  | tgactgggtac | agctcttacc | ttatcagcat  | acaggaacag | 2071140 |
| ctgaaacgta  | tttctggcac  | agtcgtgtgt  | gatgcgttct | tttcaaaggc  | aactttcatc | 2071200 |
| aaaccattgt  | acgataacgg  | tttccacgta  | ataagccgtt | tcaggaatga  | tgccgtattg | 2071260 |
| ttttatccca  | ccttagaaaa  | taggacagga  | aaacgcggac | gtccaaaatt  | acatgacgag | 2071320 |
| aaaattgact  | ttgaaaatct  | ggacatcaca  | agatgtaccg | agtacaaagt  | gaacaagggg | 2071380 |
| aaactttacg  | gactgaaagc  | atactccaaa  | gcactcaaac | gctttgtgag  | cctggctgta | 2071440 |
| tggtagccca  | tggatggaag  | aacggacaaa  | tggcagctgt | atttctctac  | aaacgaaata | 2071500 |
| cagaacgcac  | aggatgtcct  | ggactttttac | agaacacgtt | tccaactcga  | attctgcttt | 2071560 |
| cgggatgcca  | agcaacatgc  | cgggaatagca | aactgtcagt | ctacagactt  | caggaaactg | 2071620 |
| gcattccact  | ttaatgcatc  | acttgcagcg  | ataaacctcg | ccaaggctgc  | ctgtaagaag | 2071680 |
| atgggaataa  | aatattccat  | atcatcatgc  | aagtcagtca | tacacaatgc  | ttacatgctt | 2071740 |
| gaacgattta  | tttgcgtgtc  | tgggattgaa  | caaacacgc  | aattaattga  | caaacttttc | 2071800 |
| aaagaactca  | ttttattttac | tgccagagcc  | gcttaggctg | ggctaatttt  | taacgaacta | 2071860 |
| ttgtcatcga  | tgttcagtat  | taaattaata  | aggtatattt | tccagattat  | ccttggtcag | 2071920 |
| cgtaaccttg  | aatccactag  | tgatatttag  | tcccgattca | cgtttgatgg  | aaagcatcgg | 2071980 |
| aatataattc  | cataagacag  | gacttatgaa  | tatagccact | tctttatcgg  | aactaatctc | 2072040 |
| cacattcttt  | attaatatag  | taactggtaa  | gtcatttgca | ttgatgacat  | tctgttcaga | 2072100 |
| cttataaaga  | ccttcaaagc  | tcaaccctga  | atttatggct | gccgttagct  | tttctgaatc | 2072160 |
| attaagcaca  | tatacaaagg  | ctccttccca  | gctaaaattg | catccttcaa  | aattattcac | 2072220 |
| agtaacttca  | aggtcgacaa  | cctttttaag  | tactccacca | ctagtaggag  | gtacatacgg | 2072280 |
| aaaattgaat  | tccagatcat  | agttacttgt  | ctccgaattg | acagttactt  | ccatcttttg | 2072340 |
| aaagctatca  | tagtaatctg  | tattccattt  | aggaatatat | actatataat  | cttttgctcc | 2072400 |
| ttccgtacag  | aagacttcaa  | agacggcagt  | tccgcccatt | atggattttt  | tctccacata | 2072460 |
| cgtgccagct  | tcaggggtgc  | cgtgctgatt  | cttgacaacc | tcctccactg  | aaggccattt | 2072520 |
| acttgcttct  | atcagataaa  | tttcatgggt  | gtccaaagga | gtatccccc   | taacagcaga | 2072580 |
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| aggcacagtc  | acttctatgg  | tagtctgttt  | gatagactct | gaagcctgtg  | ctccacaatc | 2072940 |
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| gagcgggaata | aatgaatccc  | cctctacttt  | aaatacattg | acataaacat  | ttgacttata | 2073060 |
| atatgctgtc  | aaatcatcaa  | atataacctt  | agcagactta | atcggttgct  | gaacccaaaa | 2073120 |
| atcagacttg  | gaaatagtag  | agataccacc  | gtactcatca | aaaagactct  | tatcaagtat | 2073180 |
| tccgatcacc  | attccctcag  | atatctgcaa  | attctttaag | gtaagtgtta  | aaacagattt | 2073240 |
| ttccctttcc  | acagattgtt  | tctcagggtg  | aaagacgcc  | tttaccacat  | cattcgaaca | 2073300 |
| agagggtaaa  | agccaaagca  | caatcattgc  | acacaacaat | gtaaaatgat  | tcctcataaa | 2073360 |
| gaaaaaat    | aagattaaca  | ataaaaacaa  | aataatgaac | gattgatata  | taatcaatag | 2073420 |
| atcatcacc   | aacaattaat  | agtttagttt  | aataattcca | atttaatagt  | ttagttaata | 2073480 |
| gtttattaat  | agtttagttt  | aataacttag  | ttacatagtc | tagttcaa    | aatacataaa | 2073540 |
| tatctacttt  | ctaagaaaat  | aaataccccc  | aaaaataaat | acaaaaatat  | atgagaacac | 2073600 |
| aagatttctt  | aaacaaaacc  | ttaatgat    | tggccttcat | cttatataaa  | cgattgcaaa | 2073660 |
| gatatgcaca  | aaatattcaa  | ttacaaaaaa  | agtgatataa | acctatcttg  | aaacaacata | 2073720 |
| tattaacaaa  | taagattttt  | ctgtttatat  | atgtgaacaa | aacaagagtc  | tgccccttca | 2073780 |
| atgactctaa  | ttaagcaaca  | atctttccct  | tcgtaatttt | atcacaatta  | tgacattttc | 2073840 |
| atttacagaa  | agacaacatt  | gtctgaaatt  | tcagacaaaa | atatcactaa  | acaagaaaat | 2073900 |

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| aatatcaccc  | acacccttaa  | ctaacttcga | ctctaatagt | aaaattccac  | ctcttataag  | 2074020 |
| tgagaaaacga | atcataaaac  | aagtaataac | ttggctacaa | acagacattt  | gagcagcaat  | 2074080 |
| aagacaccaa  | ttaaagtttt  | acaacagaag | gaacaaactc | taccgcccaa  | ttcaaaaaca  | 2074140 |
| gaatatattc  | agaaataagt  | tctttgatac | cttgtggtta | cctataaatc  | caatgataaa  | 2074200 |
| agtcacccat  | tttcagatgt  | tagctgagaa | taaccaataa | aaaaagtccc  | gtaaacatat  | 2074260 |
| tgttcacggg  | acttacctta  | attaaccagc | ggagagacag | ggattcgaac  | cccggttacc  | 2074320 |
| tcgcagtaca  | acggttttca  | agaccgccgc | aatcgaccac | tctgccacct  | ctccaaaact  | 2074380 |
| cctttataag  | agtacttcct  | tccgaaagcg | ctgcaaaggt | acgcattatt  | tccaaacctg  | 2074440 |
| caaattattt  | gccccttttt  | tgattatttt | ttcctattat | cgtaactttg  | taccttgata  | 2074500 |
| acttatatta  | atatagactt  | atatccagac | aatgatatat | ccgcagaact  | ttgaacagaa  | 2074560 |
| aataggattc  | gaccaaattc  | gtcaactctt | gaaaataaaa | tgtctcagca  | cgctgggaga  | 2074620 |
| agaaagagta  | gatcaaattg  | acttttccga | cgattataac | gaaatcaatc  | gacgactgga  | 2074680 |
| acaagtaacg  | gaatttgtcc  | gcatcacgca | ggaagaagat | gattttccca  | atcagtattt  | 2074740 |
| tttcgatgtc  | cgcccgctac  | tcaaacgcat | acgtgtggaa | ggcatgtata  | tggacgaaca  | 2074800 |
| ggaattgttc  | gacctgcgcc  | gttcgcttga | aacgatacgc | gacattgtac  | gctttctaca  | 2074860 |
| acaaacagac  | gatgaggaag  | atactgacaa | cgatgaaacc | cactccccct  | accagctctt  | 2074920 |
| gcacgagctt  | gccggagata  | tcatggtatt | tcctcaactc | atcacacgca  | tcaataatat  | 2074980 |
| tctcgataaa  | ttcggaaaag  | taaaagacaa | tgcttcttcc | gaacttttgc  | gcatccgacg  | 2075040 |
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| tcaatcgga   | ggttatgtcg  | ataaagatgt | agctccaacc | atgcgcgacg  | gacgactcgt  | 2075160 |
| gatacctgta  | gcccccgga   | tgaagagaaa | gatacgaggt | atcgtaacg   | atgaatcggc  | 2075220 |
| taccggaaaag | actgtattca  | tagaaccagc | cgaagtcgta | gaagcgaaca  | accgtatccg  | 2075280 |
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| ggtacgtcca  | caggttccgg  | ccatcctaca | atcttacgag | ttccttgccg  | aaatagactt  | 2075400 |
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| ccgacaggtt  | attgactggt  | tcgaagcggg | gcacccgctg | cttcaaattg  | ccctggctaa  | 2075520 |
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| ttcttcacac  | ctgacaaata  | tgaagaatat | gatgaagtac | tgcaatgaga  | aaagcctgat  | 2075820 |
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| cgtactgaaa  | cgcttcaatg  | caaaaaagac | ttttggagtg | attactactc  | attatcagaa  | 2075940 |
| tctgaaacac  | tttgccgaag  | atcatgaagg | agtagtaaac | ggtgccatgt  | tgtacgaccg  | 2076000 |
| ccatgaaatg  | cgtgcacttt  | tccagttgca | gatttgtaat | ccgggaagtt  | cattcgccgt  | 2076060 |
| agagattgca  | cgcaaaatcg  | gacttccgga | agaagtcatt | gccgatgctt  | cagaaatcgt  | 2076120 |
| gggaagtga   | tacatacaga  | gcgacaagta | cctgcaagat | atcgtaacg   | acaagcgcta  | 2076180 |
| ttggaaaacc  | aaacgccaga  | atatccgcaa | gcgggaaaaa | ataatggaag  | aaaccatcgc  | 2076240 |
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| acgagaagat  | gcagaacaat  | tgctgcaaga | atcgaatgcc | aagatcgaaa  | ataccatccg  | 2076360 |
| taccatcaag  | gaagcacagg  | cagagaaaga | acgtaccgcg | accgcacgtc  | aggaaactgac | 2076420 |
| cgacttccgc  | cagcaaatag  | aagatgagaa | caaagcggcg | atggaagaaa  | agatcgcacg  | 2076480 |
| caagatggag  | aaattacgcg  | aaaagcaaga | gcgcaagaaa | gataaaaaaga | gcaaacaagc  | 2076540 |
| gagccagccg  | gcagtccagc  | ctgtacctaa | agtcattcct | ctccaagcag  | gcgactatgt  | 2076600 |
| acgaatcaaa  | ggacagacca  | gcgtgggaca | gatcatagag | atcaacggga  | aaaatgccgt  | 2076660 |
| agttatgttc  | ggactgatga  | aaaccaatgt | gaaagcagat | cgactggaac  | gcaccgatgc  | 2076720 |
| tcccaagcag  | actctcaata  | cggcgaaggc | aacttttgtc | agcagtgaac  | cgcaggatcg  | 2076780 |

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|             |             |            |            |            |             |         |
|-------------|-------------|------------|------------|------------|-------------|---------|
| catgtacgaa  | aagaagctga  | acttcaaaca | agatatcgat | gtgcgaggca | tgagaggtga  | 2076840 |
| cgaagccatt  | caagccgtaa  | cttatttcat | tgatgatgcc | atacttgtcg | gagtaagccg  | 2076900 |
| tgtacgtatc  | ctgcatggaa  | ccggaacagg | tattcttcgc | acacttatac | gccaatatct  | 2076960 |
| cgctaccgtg  | ccgggagtag  | cacacttcca | ggatgaacat | gtacaatttg | gaggagcagg  | 2077020 |
| cataacggta  | gtcgatttaa  | aataaaaaaa | gtatctttgt | ataaagtatc | tttgtattat  | 2077080 |
| gaaatcaatt  | aaagaattat  | accgcattgg | tacgggtccc | tccagcagtc | atacgatggg  | 2077140 |
| accgagaaaa  | gcagccgaac  | agttccttgc | ccgccatccg | gaggcatcgt | cttttcaagt  | 2077200 |
| tacactttac  | ggaagccttg  | ccgctaccgg | taaaggacac | atgactgatg | tcgctattct  | 2077260 |
| ggacgtactt  | caacctcatg  | ctcccgtaga | gatattgtgg | aaacctcatg | tattctttcc  | 2077320 |
| tttccacccc  | aacggaatga  | cattcaaadc | gttcgacaag | aataataaaa | agaccgaaga  | 2077380 |
| gtggactgtc  | ttcagcgtag  | gcggtggtgc | ccttgccgaa | gaaggacaag | acaagaatgc  | 2077440 |
| aactcctgaa  | gtatatgata  | tgaataccat | gaaccagata | ctttactggg | gcgagcatac  | 2077500 |
| cggacgaagc  | tactgggaat  | atgtagaaca | gtgtgaaggt | cccgatatat | ggaaatatct  | 2077560 |
| tgccgaagtg  | tgggaaacca  | tgaagaagc  | cattcatcgc | ggactggatg | cagagggagt  | 2077620 |
| actgcccggt  | cctttgaacc  | tgcgacgaaa | agcatcttct | tattatatcc | gtgccaaggg  | 2077680 |
| atttaaggat  | tccctgcgtt  | cacgcggact | ggtttttgc  | tatgctcttg | ccgtaagcga  | 2077740 |
| agaaaacgca  | tcaggtggaa  | aaatcgtaac | tgcaccaacc | tgtggggcct | gcggagtagt  | 2077800 |
| gccggctgta  | ttgtaccatt  | tgcagaagag | ccgggaattc | agtgatgcac | gtatcctcag  | 2077860 |
| agcactggca  | actgccggtc  | ttgtgggcaa | catcgtcaag | cacaatgctt | ccatctcagg  | 2077920 |
| agccgaggca  | ggttgccagg  | cagaagtggg | agtagcttgc | tccatggcct | cggccgctgc  | 2077980 |
| cagtcaacta  | tttggaggca  | gtccggcaca | aatagaatat | gccgccgaaa | tgggtctgga  | 2078040 |
| acatcacttg  | ggaatgacat  | gcgaccctgt | atgcggactg | gtacaaatac | cttgtatcga  | 2078100 |
| acgtaatgcg  | tatgccgcag  | cccgtgctct | tgatgccaat | atttactcag | cctttaccga  | 2078160 |
| cggacatcat  | cgtgtatcgt  | tcgataaggt | cgtagaagta | atgaaacaaa | ccgggacacga | 2078220 |
| cctgccttct  | ctttataaa   | aaaccagtga | aggtggcctg | gccaagaact | atcaacccat  | 2078280 |
| ggactaaaag  | cctatttttc  | aattttgcca | gagcctcttc | tggaatgcac | aatcgtaacc  | 2078340 |
| attccaaaga  | cagccctggc  | aaaattatgt | cattgaaacg | cttattcgaa | agactctcag  | 2078400 |
| tctgataacc  | ctatatataa  | atgaaatcat | acaacgttta | tctattcgac | ttcgactata  | 2078460 |
| ctcttgccga  | ctcttcccg   | ggaattgtca | tgtgtaccg  | caatgtgctg | gaacgccatc  | 2078520 |
| accatacagg  | aattaccgat  | gaaaccatta | aacggacaat | tggcaaaacc | ttacaggaat  | 2078580 |
| ctttctccat  | catgactggc  | ataactgatg | ccgacacatt | ggaaatgtac | cggaaagaat  | 2078640 |
| acgttaaaga  | agcagatacc  | cacatgacag | ccaacacgtt | cctctttcca | gaaacgatag  | 2078700 |
| aggactcac   | acgtctgaaa  | acaaatggag | ccaaattggg | cattatttcc | acgaaatacc  | 2078760 |
| gctaccgtat  | catggaacta  | ttgggaaaga | aactgcccga | aaactttctg | gacatcatcg  | 2078820 |
| tcggcggcga  | agacgtacaa  | catcccaaac | ccgaccaga  | aggagtcctg | tttgccatcg  | 2078880 |
| gacacttagg  | ctgccggaaa  | gaagatgtgt | tgtatgtagg | cgacagcacc | gtagatgccg  | 2078940 |
| aaaccgcaca  | agctgctcag  | gttgactttg | ccggagtact | gcatggagcc | actacatacg  | 2079000 |
| atgaacttgc  | ggcctatcca  | catgtagcaa | tcatgaaaac | ccttgccgaa | ctctaaaaaa  | 2079060 |
| atatacatat  | tttctctcta  | aacagttggg | tatatgaaca | aaaagcagta | cctttgcgtc  | 2079120 |
| cgatttttagt | ccgtggagggt | agaaaagtaa | ccggatgaga | acggttcacc | ttgcggaaga  | 2079180 |
| aaccggttta  | atatatat    | aaaatgtacg | taattgtaga | aattaacggg | cagcagttca  | 2079240 |
| aagctgaaga  | aggcaaaaag  | ctgttcgttc | atcacatgca | gaatgctgaa | aacggtgcaa  | 2079300 |
| ctgttgaaatt | tgacaaagtt  | ttgttggtag | acaacaacgg | tactgttact | gtaggtgctc  | 2079360 |
| ctactgtaga  | agggtgcaaaa | gtggtatgcg | aagtagtttc | tcacttggtg | aaagggtgaca | 2079420 |
| aagtattggg  | attccacaaa  | aagagaagaa | aaggttacag | aaaactgaac | ggtcaccgtc  | 2079480 |
| agcagtttac  | tgaattgact  | atcaacaag  | ttattgctta | atcattaaaa | acgtagaaag  | 2079540 |
| aaatggcaca  | taagaaaggt  | gtaggtagtt | ctaagaacgg | ccgtgagtca | gctagtaaga  | 2079600 |
| gattaggcgt  | aaagatat    | ggtggttcag | cttgcaaggc | tggtaacatc | attgttcgtc  | 2079660 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| aaagaggaac  | agttcacaac | ccgggtgaaa | acgttggtat  | gggtagtgat  | cacactcttt  | 2079720 |
| acgcattggt  | agacggtaca | gtatgtttca | agaaaggctg  | cgaagacaag  | agcttcgtat  | 2079780 |
| ctgttattcc  | tgctgaagca | taactttata | ccacaaaaag  | aaattgaaag  | aaggtatcct  | 2079840 |
| cgcaagaaga  | taccttcttt | tttattgcct | tcttttcaag  | aaaggcgaaa  | acaaaaagaat | 2079900 |
| cgggcgaaac  | cactttcttc | aagtaggctt | cgcccagatt  | ataaaaacaa  | ataatcttac  | 2079960 |
| tattattcag  | cagccttttc | ctcagcaact | tcttcagcgg  | caggagcttc  | ttctacaaaa  | 2080020 |
| tcactttctc  | cgcttgagat | aagcaaattg | taccactgaa  | tcaatttttt  | gatatcactg  | 2080080 |
| gtatgtacac  | ggtcgcggtc | atattccggc | aacacttcag  | ccatgaaagc  | gtgcaattct  | 2080140 |
| tctacagatg  | ctttcttata | atccaaagaa | gccaccttac  | caccttcttt  | tttctttaca  | 2080200 |
| gaatcaagaa  | ccgtagccaa | aggtacttca | tcatcatttg  | tgtacatggc  | gatatcaccc  | 2080260 |
| agtgaaatca  | ccttatcgct | ggcatagata | ggcattcttt  | tcttattatc  | gacagcttct  | 2080320 |
| acaatcagca  | tatttttagc | ctgagaaatc | agttttatata | atcccgggtt  | gcctgagata  | 2080380 |
| gctaaaaatag | ttttcaacat | acgattttat | tatttttagt  | tattatatta  | aacaaaaata  | 2080440 |
| caactcatag  | gtgacataca | caaacatctt | gccacctttt  | tctatttttt  | aaggctttca  | 2080500 |
| gcaatgcatc  | caactgagga | gataacgctc | taccgtcgtt  | tacgattaca  | aaatcggcat  | 2080560 |
| ggtcacgctt  | cagttcctca | ttcatctgcg | aagaaatccg  | gcttttgacc  | tgctcttccg  | 2080620 |
| tagcacaatc  | gcgctccatt | gcccgcgcta | tccgaacctc  | cagagggtgca | tacacggcaa  | 2080680 |
| ctacataatc  | gactacatca | tcgaatcccg | actcatataa  | aatagcactt  | tccaaggcta  | 2080740 |
| caacttcgtg  | ctctgcacga | gatgctgcc  | aacgaaggaa  | atctcgcttc  | acacacggat  | 2080800 |
| gcactataga  | gttgatacgg | gaagcatgct | cgtcgctcgc  | aaacagataa  | tctgccagca  | 2080860 |
| gcggtttgtt  | aagtttctca | tcaacataga | ctctttctcc  | caacaagcca  | atcaagcctg  | 2080920 |
| cccggatatc  | cgcacgga   | agcatcagac | gcttgccctc  | cgtatctgta  | tcatatacag  | 2080980 |
| gcaagcccct  | ttgtgccagc | aaccgtgcca | catacgactt  | tccgcttccg  | attcctccag  | 2081040 |
| taattcccag  | tctgatcata | accctcaatc | ttcttctata  | gtctgctgtt  | caatcaagaa  | 2081100 |
| atcgacagag  | gaaggattca | ccctcacatg | acttacaaaa  | tcgggagccc  | cttttacaac  | 2081160 |
| caaaggtaac  | ttatcacctt | tcgacttcaa | gacatcttca  | taagttactc  | cgataaaaaa  | 2081220 |
| atcatccgat  | gaaacatcct | taaagtgtct | caaccccacc  | tgaaaagtca  | cctgaacctt  | 2081280 |
| ggaagggaa   | gtacgaagca | cttttctctg | cgggaaatta  | atacctacaa  | ccggaacatc  | 2081340 |
| cacagtcttt  | tccgaataca | tatcaacata | taccgacaga  | tcattgtatg  | caggaatgaa  | 2081400 |
| cttcaactcct | ttcagcttgc | ccatactcac | ccgctttttc  | agcgtatcgg  | aaacgttttc  | 2081460 |
| ccaatacagt  | ttttccgtat | aagcagcctt | caaggatatc  | agtatttcct  | gcggagcata  | 2081520 |
| agccataaca  | gaatccggac | taaaacttat | ccgcgaaata  | taatactggc  | gggcagcctg  | 2081580 |
| aacagttcca  | acaagtcgta | caggaacctt | cttagccttt  | gcctgcgtat  | aaataaagtc  | 2081640 |
| gagtgtatcg  | ggacggatag | acaatacttt | cgtcgaaaca  | ttcaattgtg  | ccgcaacctt  | 2081700 |
| cttggttaat  | tcggcagacg | atatgcacac | atgcgttccc  | tcacctttat  | aatcattgaa  | 2081760 |
| atcgaaaagag | atagggaaaa | acgtcctgcc | cagcatataa  | ttcagcaaaa  | cagtaccctt  | 2081820 |
| atcttccacc  | cgtatacgca | catcgtccgg | aaaatcggag  | gtaagcacia  | cttccttcgg  | 2081880 |
| gacattcttc  | aagcgtaccg | gcaccttgaa | ttccgtctga  | taagactcat  | ccaacgtctg  | 2081940 |
| caacatccag  | aagcagaatg | aaatcagcac | aaaaaacaag  | aagatcagac  | attccctgaa  | 2082000 |
| cttatcgcta  | agcaggaatg | ttctgatctt | ccgtaatccc  | agtctataat  | atctctttat  | 2082060 |
| gttctttaca  | tcgaacatag | tgacttatac | ttttattctt  | tatttagtct  | gagtagcctg  | 2082120 |
| agcatctgca  | tagatagaat | tcttgtctac | cttgattttt  | actccagatg  | caatttccac  | 2082180 |
| gataacggca  | ttatcttcta | tttcttttat | ctttccatag  | ataccaccgg  | cagtaataac  | 2082240 |
| cgactgacct  | acttccagat | tcttacggaa | gtttgctatt  | tccttctgtt  | tcttgttctg  | 2082300 |
| aggacgaatc  | ataaagaaat | acataatggc | aaagatagcc  | accatcataa  | tcaggaaaga  | 2082360 |
| gtaatcacct  | cctccggcct | gctgcaaaaa | tacagttaac  | aaattcataa  | attcttctta  | 2082420 |
| gtttgattaa  | tattagacga | acaaatatat | taatttttcg  | tcaacttatt  | ttcctttttc  | 2082480 |
| aattgattaa  | ctattccgtc | caaggttccg | ttgataaatc  | caccactttt  | cgggtgtacta | 2082540 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tacaacttgg  | caatttccac  | gtattcgttc  | agcgatacgt  | ttatcggaat  | attcgggaaa  | 2082600 |
| ctcaggattt  | cggcgagcgc  | aatctgcatg  | atgatgacat  | ccatgacagc  | cacacggtcc  | 2082660 |
| agatcccagt  | tttttgagtt  | ctcactgatc  | agatgacgat  | agtaatcggc  | attcaggata  | 2082720 |
| gaacgacgga  | acaagcggcg  | tgcgaaatcc  | tgatcttctt  | catccttgaa  | ttccggaagc  | 2082780 |
| aactcctggt  | tgtcaccatt  | cttaggatcg  | aaacgcttga  | tggttttcaa  | gacaaaagta  | 2082840 |
| tccacgattt  | ccttaccatc  | gttccagtac  | aagctctggt  | cttccagaac  | ctcatcaaga  | 2082900 |
| gccgtattat  | tgaatatgat  | gcgcttgtaa  | atctttctcc  | acagttcacg  | atcgtcttcg  | 2082960 |
| taggatgaag  | tttcgcttgc  | catatactcc  | ttatataatat | cactctgcat  | aatctgctcg  | 2083020 |
| cacagattct  | tgatgaagtc  | accttcgttc  | tcccatgttt  | tcttctgggt  | gctggcaaat  | 2083080 |
| tcattcaact  | gcttgtttac  | ctccagctga  | gcgataaaac  | gattgtccac  | gaattttgtg  | 2083140 |
| tttgatttca  | aatcctcctt  | ggtaggagcc  | agtttgtggt  | tagccgcatc  | caaccgcttg  | 2083200 |
| ttggcatagc  | gtgtaacctc  | taccatgaga  | agcaggagat  | agttatacaa  | atcgtacgct  | 2083260 |
| ttggataaac  | tgaagaacaa  | ctccttttcc  | gcagtatcca  | aattttttcc  | accgttctga  | 2083320 |
| taataagcgt  | agataatctg  | aactatctta  | agacgaataa  | gaactctgtt  | aatcatacta  | 2083380 |
| tatttttaaat | ataatttcga  | gttgcaaaaa  | tagttatttt  | ccaacataca  | aaacaaatct  | 2083440 |
| aaggcgtttt  | tttatacaaa  | aatattattc  | acacagattt  | ttgagagcag  | ttctttgtat  | 2083500 |
| ttttcaaaaa  | aatcatcaaa  | tttgaagcgg  | tttttaatac  | attacttatg  | gaagattttga | 2083560 |
| aaaggaatac  | agcaacagac  | gtagacaagg  | aaattgtggt  | ttccaaggcc  | ataaaggcag  | 2083620 |
| gaaaacgtat  | ttactatctg  | gacgtaaaga  | aaaacagaaa  | gggagaaatg  | tttcttgcca  | 2083680 |
| ttacagagag  | caagaaggta  | gtttccggtg  | aaggaggaaa  | tgcgccacag  | gtcagcttcg  | 2083740 |
| aaaagcataa  | gatattccta  | tataaggagg  | acttcgaaaa  | gttcatgacc  | ggacttcagg  | 2083800 |
| aaaccataca  | gtacatcgaa  | agcgaacagg  | gaccggcaaa  | catcgaacac  | tcagcagaag  | 2083860 |
| aagacggttc  | tcatttttgc  | gacaacactg  | attctccgct  | aaaaccggat  | gaaataaaaa  | 2083920 |
| tagacattga  | tttttaaatt  | ccgcacacac  | aagtgtacgg  | tataaagcta  | tatcaaaata  | 2083980 |
| gaacattcca  | gcagttctat  | cctgatatag  | cttttttttaa | tgcaattatg  | cctttcgggtg | 2084040 |
| gcacactgta  | ccgtttgcct  | ggaaggtagg  | catgacaagc  | acttcggcta  | tctgtacatg  | 2084100 |
| tgccggagcc  | gaagctgcat  | aataaactac  | ttcggctata  | tcacgcccgc  | ttaacggacg  | 2084160 |
| gattccttta  | tataccgcat  | cggccttttc  | cttatctcct  | ctgaaacgaa  | cgacagaaaa  | 2084220 |
| gttcgtttcc  | accagtcccgc | gtttgatatt  | tgtcacacgc  | aaaggagtat  | ctaccaagtc  | 2084280 |
| aatacgcagt  | ccgtcggaca  | aagccttgac  | agccgctttg  | gtagcgcaat  | acacgcttcc  | 2084340 |
| tcccgcgtag  | gcagcatcgc  | ctgctaccga  | acctatatta  | ataatgtgtc  | cacactgacg  | 2084400 |
| ttctaccatg  | cccggaacca  | ccatgcgcat  | catggcaagc  | agacctttta  | tattggtgtc  | 2084460 |
| aatcaccaca  | tcccattcgt  | caagcgagcc  | ttcctgctcc  | ttgtcgagcc  | cgatcaccag  | 2084520 |
| tccggcattg  | tttatcagta  | cgtcgatggt  | tctccacttt  | ccttgaagtg  | aatcgagtgc  | 2084580 |
| ctgcttcac   | gcctcacggt  | cgcgcacatc  | gaagggcaag  | gtcagcactt  | cacatccctg  | 2084640 |
| tgccgtaagt  | tcctgtttca  | gcttttccag  | cttttccacg  | ttacggccgt  | tcaatatcag  | 2084700 |
| gttactgccc  | attgagccga  | acttgcgagc  | acaccctctt  | ccaatgccac  | tgggtggcacc | 2084760 |
| tghtaatcagt | attgtctttc  | ctttcatgat  | tgataacata  | taaaaaattc  | catcgcctgc  | 2084820 |
| aaagttataa  | aagttatcgg  | tgcgatggca  | taaaacaact  | catttcccca  | aacagaccga  | 2084880 |
| cagataaaatt | tccggctttc  | cgcattgtctt | ccagaaaacg  | tcgggacggt  | tttttatttt  | 2084940 |
| ttgtacaaaa  | cattttttct  | tttgtacaaa  | ttttcctgat  | atatcagcag  | acattccccc  | 2085000 |
| agtcctgccc  | atcttctctc  | cccaagttcc  | gcccttattc  | cattcaaaaat | aacaaaaaaa  | 2085060 |
| gcgcaacaac  | attttgtgaa  | ctcaaagata  | atcactacct  | ttgcaccgct  | ttttttaagc  | 2085120 |
| tcacgtgtg   | atataccaca  | tcgtgtgatg  | gcgaattaag  | caacaaaaaac | aacttaattt  | 2085180 |
| agagtaaacac | aaaaattttt  | caaaaaatga  | aatcaattga  | aattaaaggt  | tctttgagaa  | 2085240 |
| ctgaaacagg  | taagaaagct  | actcatagct  | tgcgtcagaa  | caatggtgtt  | ccttgcgtat  | 2085300 |
| tgtacggaat  | gcagaaagac  | gaaaacggaa  | acccggttgc  | aactcacttc  | actgtaactg  | 2085360 |
| ttgacggttt  | gcgtaagttg  | gtatacacac  | cgcataatcta | cgtagtagac  | ttgaacatcg  | 2085420 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| acggttaagat | agtaaacgct  | atcatgaaag  | atatccagtt  | ccaccctgta  | acagacgcta  | 2085480 |
| tcctgcacgt  | tgacttcctg  | cagatcaacg  | aagaaaaccc  | gatcgtaatg  | gaagttcctg  | 2085540 |
| tacagttgga  | aggtttggca  | gaaggtgtga  | aagccggtgg  | taaattggct  | cttcagatcc  | 2085600 |
| gtaagctgaa  | agtgaagct   | ctttacaacg  | taattcctga  | acgtctgggt  | gtaaatgtaa  | 2085660 |
| ctaacttggg  | tctgggtaaa  | actatcaaag  | ttggcgacct  | gaactttgaa  | ggtctgactt  | 2085720 |
| tgctgaacgc  | aaaagaagct  | gttggtttgtg | ctgttaaatt  | gactcgtgcc  | gctcgtgggtg | 2085780 |
| ctcaggctgc  | tgctggtaaa  | taatcttatt  | taacaacctg  | acaacaacaa  | aaatcccctt  | 2085840 |
| caatgaaata  | cttgattgta  | gggctgggaa  | acattgggtgc | cgaataccat  | gaaacccgcc  | 2085900 |
| acaacatagg  | atttatggta  | ttggacgccc  | ttgctaaggc  | gtccaatatt  | gttttcaagg  | 2085960 |
| acggacgata  | cggagctaca  | gccacacttt  | cgctcaaagg  | tcagcaactg  | atcctgctga  | 2086020 |
| aaccatctac  | ttacatgaat  | ctgagcggca  | acgccgtacg  | gtactggatg  | cagcaggaaa  | 2086080 |
| agattccgtt  | ggaaaacgtg  | ctgatagtag  | tcgacgatct  | ggctcttcca  | ttcggaagcc  | 2086140 |
| tgctgctgaa  | aggcaaaggt  | agtgatgccg  | gacacaacgg  | tctgaaacat  | atcgctgcca  | 2086200 |
| cactgggtac  | ccagaattat  | gcccgtctgc  | gcttcggcat  | cgggaatgat  | tttcccaaag  | 2086260 |
| gagggcagat  | tgactatgtg  | ctgggaaaat  | tcagtgatga  | agactggcaa  | cagatgcccg  | 2086320 |
| aacgactgga  | aacggctggc  | gaaatcatca  | agagcttctg  | tcttgccgga  | ctgagcaata  | 2086380 |
| ccatgaatca  | gtttaacaac  | aaataaaaca  | aacaacacat  | ggctgaagca  | agaattgaca  | 2086440 |
| aatggatgtg  | ggctgcccgc  | atattcaaga  | ctcgcaccat  | tgctgccgag  | gcttgcaaga  | 2086500 |
| aaggcagaat  | atgtatcaat  | ggcgacaggg  | ctaagcctgc  | acgtatgata  | aagccaggcg  | 2086560 |
| acgtaattca  | ggtgaagaaa  | ccacctatca  | cttactcggt  | caaggtactg  | caagccatag  | 2086620 |
| aaaagcgtgt  | aggagccaag  | ctggttcctg  | aaataatgga  | aaacgtcacg  | actcccgacc  | 2086680 |
| agtatgaatt  | gctggagatg  | agcaaaatca  | gcggtttcgt  | aaaccgtgcc  | aaaggaacgg  | 2086740 |
| gacgtccgac  | gaagaaagac  | cggcgagacc  | tggtatgaatt | cttcactccg  | gaatatctcg  | 2086800 |
| acgactttga  | cttcgatttc  | gacgacaacg  | acgaagaaga  | agaataaaaa  | accgggtatg  | 2086860 |
| aattgcagga  | aacattccgt  | aatccatacc  | cggttcttgt  | ttatatctac  | gattacaagt  | 2086920 |
| ttgctttgat  | ggcatcaatc  | agtcctgat   | attcagcatc  | actcagatag  | accttgcccg  | 2086980 |
| gattcatctg  | gaaagttcct  | ccatagtcgg  | gaccatctac  | atacttcgga  | gccagatgaa  | 2087040 |
| agtgcaaatg  | cgaagctta   | tcactatatg  | ctccgtaatt  | tatcttctcc  | ggatggaacg  | 2087100 |
| ctttgtccat  | cgcacgagtt  | acacgtacca  | catcgcccat  | aaacgcatta  | cgctcttcat  | 2087160 |
| cactcagttc  | attcaggtcg  | ttcacatgat  | ctttgtaagc  | taccagacaa  | cgctccttat  | 2087220 |
| aagtttgttc  | cttaaacaga  | aagacacgcg  | aaacactcag  | ctgaactatt  | tcaatcatca  | 2087280 |
| ggttgtgcaa  | ggtttcattg  | ttctggcaat  | acagacattc  | tttcggatca  | ctcttcataa  | 2087340 |
| ttgtgttcat  | taaaatatta  | atactatagt  | tttgtcta    | aactgtatgt  | aaacagtttg  | 2087400 |
| ttcaaactcat | tttcttcgcc  | tacaacccat  | accacatcgt  | tttcttttaa  | cggagcatgt  | 2087460 |
| acctgagggg  | tacgcaagac  | atcttcgccg  | gctgattcca  | caccgactac  | cagacaatgg  | 2087520 |
| tatttgtcgc  | gtatgccaca  | ttctgcaatg  | ctgtatccga  | taaacgggtga | atTTTTccc   | 2087580 |
| accacgaact  | gtttcagttt  | catctcgtgc  | ttttcaaagt  | cttcatcgtc  | gtaagtatgc  | 2087640 |
| gtagcttttt  | ccgccacttc  | cgcaaaggcc  | gataactgct  | catcggtacc  | gataacctga  | 2087700 |
| agcgtatcat  | tcgggaatat  | gcaggtatcg  | ccagtcggta  | tgttcaccgg  | gtgctttccc  | 2087760 |
| cggatgatag  | aggctacatg  | tacatcgtat  | ttcttgccct  | gatcgagttc  | tttcaggctc  | 2087820 |
| ttacctgccc  | acgatgattc  | ttccggaacc  | tgaaaatcac  | tcaggtgaag  | atcacgatcg  | 2087880 |
| agcagacgtc  | ctgcgtactc  | gggttggttt  | tctcccaaat  | attcctgctg  | aatttcttct  | 2087940 |
| gaacgtaaat  | tgtggacgaa  | ggtacgttcc  | agcacaatag  | actgtttttt  | gaggaaacgc  | 2088000 |
| gaaaagatca  | tgccgcatac  | cagaagaatg  | gcaattccta  | ccatcagcgc  | tgccgaagcc  | 2088060 |
| cggaacaggt  | tttcgatgat  | gaaaacaaca  | aaaccaatcg  | caatgacgat  | acgcagcaga  | 2088120 |
| atcaatgaaa  | tcagcgggtgc | atggttaaag  | cggctgtccg  | accacaaaga  | cttgaactcg  | 2088180 |
| accgaacggt  | ttttcttcat  | gatcagtgca  | cgcaggaaag  | gagcaatagc  | cgctatgggtc | 2088240 |
| aggactcctc  | ccagtatctt  | tccccacaaa  | tcgcccagca  | tgcccgtaat  | cagaggcaca  | 2088300 |

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|             |            |            |             |             |            |         |
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| atgaaatgca  | ggaacaaggc | agtcactgca | accgaaagta  | cagaataaat  | caagacgata | 2088360 |
| cgaataatgg  | cagtcaccag | tttcttccag | ttgttgctat  | gattcactac  | cgacgcaccc | 2088420 |
| gaagaatagc  | gttccagcaa | gcggcgccag | cgaaccggta  | tatacttgct  | tatcacctga | 2088480 |
| taggccggta  | cggcaagacg | aatcatataa | ggagtcagga  | aagtggatgat | aaccgaaaca | 2088540 |
| gctactacga  | tgggatacag | gaaatgactg | gttaccttca  | ggctgacacc  | cagtgaagcg | 2088600 |
| atgatgaagg  | caaactcacc | tatctgctgc | aagctgaagc  | cacactgcat  | ggctgtcttg | 2088660 |
| agtggctgtc  | cggaaagcag | gacacctgcc | gtaccgaaaa  | tggtctgccc  | caaaataacg | 2088720 |
| gctaccacaa  | taaccagaat | ctgcacttta | tattctacaa  | tcacgagggg  | gtctaccatc | 2088780 |
| atacctacgg  | aaacgaagaa | gatggctcca | aacaaatcct  | ttacaggagc  | caccagtttt | 2088840 |
| tcgatgtgtt  | ccgactcgac | ggtttccgac | aagatagaac  | ccatgatgaa  | tgctccgaag | 2088900 |
| gctggagaga  | atcctaccag | cgatgcgata | tataccattc  | cgaagcacia  | tgccagcgaa | 2088960 |
| acgatgagca  | gcgtttcgtc | gctcatcagc | ttacgtactc  | gcttcaagag  | aagaggaata | 2089020 |
| ccataaatac  | ctaccacaaa | ccagagtatc | aggaagaata  | ccagcttcag  | tatgctgtat | 2089080 |
| accatttctc  | cgccctcgaa | attcttgcta | accgccatgg  | tagaaagcat  | caccatcagc | 2089140 |
| acaatggcca  | gaatatcttc | cagaatcagg | atgctcagta  | ccagtcccgc  | aaagcggttg | 2089200 |
| tgacggagtc  | ccatatcatc | gaaagcctta | tagataatgg  | tcgtagacga  | catggcaagc | 2089260 |
| ataccaccca  | ggtaaagtga | gtccatctgt | ccccagccga  | acgtccatcc  | cacaaagata | 2089320 |
| ccgactagta  | tcatacagaa | aataatggta | catgccgaaa  | taatggcagg  | tcctccgatc | 2089380 |
| ttcatcaact  | tcttcaggct | gaactccagt | ccaagagcaa  | acaagaggaa  | gattacacct | 2089440 |
| atctccgacc  | agatatgaat | actggcagaa | tcgactaccg  | aaggagtaaa  | cttaaaatgc | 2089500 |
| ggggtgcaga  | taaagccagc | aacaatatac | cccagtacca  | acggttgctt  | cagcttctta | 2089560 |
| aagataaagt  | tcagtatacc | ggcacatata | agaatcagtg  | ccaggtcact  | tattaatgga | 2089620 |
| gttaattggg  | acatttgtaa | ttacatatta | taattgtttg  | cgcaaaaata  | agtaataatt | 2089680 |
| ttaaagtgtc  | gtcgcccaaa | gacaagttat | ttcctttcag  | acaacaaaac  | ctgccaaaaa | 2089740 |
| gattttttcca | agaatgtgaa | gggtgtgaag | cgtataaata  | gcgaattgaa  | tctatagaca | 2089800 |
| actgctatat  | gcataatttt | gactaacttt | gcccagacaat | aaccataaaa  | ttatcaggaa | 2089860 |
| gaaaacatga  | tagtctgcat | agccgaaaag | cccagtgtgg  | cacgcgacat  | agccgaagta | 2089920 |
| ttaggcgac   | gaaaccggaa | agaaggatat | atcgaaggga  | acggatacca  | agtaacctgg | 2089980 |
| accttcgggc  | atctctgtac | cttgaaggag | ccgcatgaat  | atactccggc  | atggaagtca | 2090040 |
| tgagagcctga | gcagcctgcc | gatgcttcct | ccccgcttcg  | gcatacaagct | gataaacgat | 2090100 |
| ccgggtatcg  | aaaagcagtt | tcacatcata | gagggactga  | tgagcagggc  | cgatgaaatc | 2090160 |
| atcaactgcg  | gtgatgcggg | ccaggaagga | gagctgattc  | agcgggtggg  | aatgcagaaa | 2090220 |
| gccggggcac  | gctgtccggg | caagcgtttg | tggttttcat  | cgctgaccga  | agaggctatc | 2090280 |
| cgcgaaaggt  | tcgccaacct | gaaagagcag | tcggagtttc  | agccgctgta  | cgaggcgagg | 2090340 |
| ctgagccgtg  | ccataggcga | ctggttactg | ggaatgaacg  | ctaccggttt  | gtacacattg | 2090400 |
| aagtacggac  | agaaccgtca | ggtgctttcc | atcgggaagag | tgagactccc  | tacgcttgcc | 2090460 |
| ttgatcgtaa  | agcgtcagca | ggaaatagag | aacttcaagc  | ccgaaccata  | ctgggaactg | 2090520 |
| aaaacagtat  | atcgggaaac | aaccttcaac | tcaaccaagg  | gtaaattctc  | gtcgaaggaa | 2090580 |
| gaaggtgaga  | aattcctaga | aaccgtccgc | aattccgact  | tcaccgttac  | cgatgtttcg | 2090640 |
| gccaagaaag  | gaacggaagc | tcctccccga | ctgttcgacc  | tgacatcggt  | gcaggtggaa | 2090700 |
| tgtaacaaga  | agttcagcta | ctcgcccgac | atgaccttgc  | agcttatcca  | gtcgctttac | 2090760 |
| gaaaagaaag  | tggctaccta | cccgcgtgta | gatactacct  | tcctgagtga  | tgatatttat | 2090820 |
| cccaaagtgc  | cgaacatcct | tgccggactg | aaagattatg  | cgggtttcac  | agctccgctg | 2090880 |
| gccggaaaga  | agttactgaa | atcgaaaaag | gtattcgaca  | actcgaagg   | gaccgaccac | 2090940 |
| catgccatta  | tcccgaccgg | tgtgcagccg | cagggactga  | ccgatattgga | gaagcgggta | 2091000 |
| ttcgacttga  | tagcacgccg | ttttatcgca | gtcttttatc  | cagactgcaa  | attctccaca | 2091060 |
| actacggtat  | tgggagaggt | agacaaaagt | gaattcaagg  | caaccggcaa  | gcagattctg | 2091120 |
| gagccgggct  | ggagagtaat | ctttgccaaa | gaacagcagg  | aagagcctaa  | ggaaggcgaa | 2091180 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gaagaacgtg  | ttctgccgct  | cttcaccgta  | ggcgaaagcg  | gaccgcatat  | acccgatctg  | 2091240 |
| accgagaaat  | ggacacagcc  | tcccaagcct  | tacaccgaag  | cgactttgct  | tcgtgccatg  | 2091300 |
| gaaacagccg  | gaaaactggt  | ggacaacgac  | gaactgctg   | atgcattgaa  | agaaaacggt  | 2091360 |
| atcggtcggc  | cgtctacccg  | tgcagccatt  | atcgaaacac  | ttttcaagcg  | tcactatata  | 2091420 |
| cgcaaggaaa  | gaaagaatct  | gattgctacc  | ccgacgggag  | tggaactgat  | acagcttatt  | 2091480 |
| cacgaagaat  | tgctgaaatc  | ggcagagctg  | accggtatct  | gggaaaagaa  | actgcgcgag  | 2091540 |
| atagaacgac  | gcagttacga  | tgcagctaca  | tttcttgccg  | aactgaaaca  | gatggttaacc | 2091600 |
| gaaattgtat  | acactgtgct  | ccgcgacaat  | acaaaccggc  | gggtaaccat  | catgcccgat  | 2091660 |
| gaatcgtcgg  | acaaaggaac  | tacgaaatca  | aaggctaaaa  | aggggaagtac | ttcaaagact  | 2091720 |
| aaggcttcgg  | acaccgaaaa  | tgagacagcc  | tcagccaagc  | ccaaacgtac  | ccggaaagca  | 2091780 |
| agtaccacaa  | ccaaagagca  | aacagctgct  | gccc aaacgc | agccggtacc  | gacaaccacg  | 2091840 |
| caggcggcaa  | caggagatga  | actgattggg  | acccttgcc   | cgctttgtgg  | caaagggcat  | 2091900 |
| attattaaag  | gaaagacagc  | ctacggatgc  | tcggaatgga  | aaaacggttg  | cacgttcaga  | 2091960 |
| aaaccatttt  | aaggttttcg  | ggcaggtaac  | cgctgcgtat  | acgccactcc  | tgtggataaa  | 2092020 |
| ggttattggc  | acggttgccg  | atgttcttta  | caaaacctaa  | cggaacatct  | tggttaagcca | 2092080 |
| ccagcacata  | tccacggggg  | acatcggcat  | ccagtacaac  | cgcctccttt  | ctcaaataag  | 2092140 |
| caatggcctg  | ctcatagctc  | aggttgggta  | caggaaaaca  | gtctgtactg  | cgctttaccg  | 2092200 |
| acatggctaa  | ggcgtggtcg  | ggaatgcaat  | ccttgccctt  | cagtccggct  | accgtaatgc  | 2092260 |
| cggcatgaag  | tactttcaag  | gtagatttca  | cagcttcata  | tacttcctga  | tgaactacgg  | 2092320 |
| ggaaagctat  | cacctcattg  | ttctctaccg  | tccagacata  | ctgctccgga  | ctgtttaccc  | 2092380 |
| aagtcttgac  | ttccttcgga  | cagattaccg  | tctgtcctcc  | ggctttctga  | ccttttttct  | 2092440 |
| tcttatcctt  | tttcggacgc  | ttaccgcgc   | tgtctgcgga  | aactcccata  | gtaccatctt  | 2092500 |
| catgcttacg  | aagcactgcc  | aggaacaacc  | cctcccctac  | agtacgatgt  | ggcaggaaac  | 2092560 |
| gatataccgg  | aaactcctct  | ccggtcagat  | ttcctgtaat  | gttccatgct  | tcttgctacg  | 2092620 |
| ctaccggaag  | cacctcagcc  | cccagttcgc  | gggcaatcca  | tgcaacatta  | tcctcgtttt  | 2092680 |
| cttctcgatt  | gtacgtacac  | gtactataga  | tcaaaatacc  | tcccggtttc  | aggcaaggcc  | 2092740 |
| agatatcctt  | cagaattcgg  | cgctgccgct  | gccagcagac  | agtcacattg  | tctacactcc  | 2092800 |
| attcgtcgat  | ggctaccgga  | tccttgcgga  | acatgccttc  | tccggaacaa  | ggtacatcgg  | 2092860 |
| tgagaatcac  | atcgaacatg  | gcttccagcg  | gagtaaaatc  | ggcaggatcg  | ttattcgtga  | 2092920 |
| cgatcactcc  | ctcgtcgccc  | catttgatca  | ggttctcagc  | caacacctgc  | gaacgatttc  | 2092980 |
| tcatcacctc  | gttggaacac  | agcagactgc  | cttcggggcaa | taccgaacga  | accagcgtag  | 2093040 |
| acttccctcc  | cggagccgca  | caaaggctga  | gcatcacgac  | cggctcatgc  | acatactgac  | 2093100 |
| gcacagcctg  | ctccacaaac  | atggaagacg  | cttctgcac   | ataataactc  | ccggcatgaa  | 2093160 |
| acaagggatc  | gaaagtaaac  | gtaggacgag  | tattcagata  | atatcccgtt  | tcgcaccagg  | 2093220 |
| ggactggagt  | actttcgggtg | ggcacggact  | gacatttagt  | ccggttcaga  | cgaatactta  | 2093280 |
| cgggcgtatc  | gtgctgcaaa  | gcctcgtata  | atttttcaaa  | ctgtgcttcc  | cccagcaaag  | 2093340 |
| tgcgggtacg  | tgtgataaag  | tcggaaggaa  | ggttcataca  | ataaaatggt  | cgatagggtt  | 2093400 |
| tcggggtaca  | aaaatagtag  | aaatagcatt  | tccccccaag  | atatttttcta | tacctttgca  | 2093460 |
| aacaaaaaaa  | gagattcatc  | ctcatgaaac  | aatattttaga | cttactgcaa  | cgcacccgca  | 2093520 |
| cagagggagt  | cagaaaagac  | gaccgcaccg  | gaaccggtac  | gatcagcgta  | ttcggacatc  | 2093580 |
| agatgcgttt  | taatctggaa  | gaaggttttc  | cgctgggttac | cacaaaaaag  | ctccacctga  | 2093640 |
| aatcaatcat  | ttacgaactg  | ctctggttcc  | tgaagggtga  | taccaatgtc  | aagtatctgc  | 2093700 |
| aagaaaacgg  | agtgcgtatc  | tggaaatgaat | gggcggacga  | gaacggtgac  | ttaggacata  | 2093760 |
| tatacggcta  | tcagtggcgc  | tcatggcccc  | attatgaagg  | aggctttatc  | gaccagattt  | 2093820 |
| cggaaagctgt | ggaaaccatc  | aagcataacc  | ccgattcaag  | aagaatcatc  | gtcaacgcat  | 2093880 |
| ggaacgttgc  | cgacctgaag  | aacatgaacc  | tccgccttg   | ccacatgttc  | ttccagttct  | 2093940 |
| acgtagccaa  | cggacgtctg  | agcctgcaaa  | tgtaccagcg  | tagtgcggat  | accttctctg  | 2094000 |
| gagtaccgtt  | caatattgct  | tcgtatgcct  | tattgttgca  | gatgatggcg  | caggttactg  | 2094060 |

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| gactgaaggc  | tggagatttt | gtacacacca  | taggcgacgc  | gcacatctat | ctgaaccatt  | 2094120 |
| tggaaacaggt | ggacttgtag | cttacgcgta  | ctccccgtcc  | gcttccgcaa | atgaagctga  | 2094180 |
| acccggatgt  | gaaaaacatc | ttcgacttca  | aatacgagga  | tttcgaactg | gaaaattatg  | 2094240 |
| atccgtggcc  | tcacattgcc | ggaaaagtat  | ctgtttaacc  | cctataatga | aacataagaa  | 2094300 |
| tatgctgtcg  | attatcgtag | ccatcaacaa  | aaacagagga  | atcggattcg | agaataaaact | 2094360 |
| tttatactgg  | ttgccgaacg | acttgaaacg  | tttcaaggcg  | ctgaccacag | gacataccat  | 2094420 |
| catcatggga  | agaaaaacct | tcgaatcgct  | tcccaaaggt  | gccctgcca  | accgccgcaa  | 2094480 |
| catcggttg   | agccgtacct | gccacgagtt  | tcccgagcg   | gaatgtttcc | attcgctgca  | 2094540 |
| agatgccttg  | aaccaatgta | aggaggaaga  | agaaatctat  | attataggag | gagcaagtct  | 2094600 |
| ttatgctgaa  | gcattgcctc | ttgccgaccg  | actgaacata  | accgaaatag | aggatgcgga  | 2094660 |
| taaggaagcc  | gatgttttct | ttccgccccat | caacctcaac  | gaatggaagg | aagtacaacg  | 2094720 |
| cgaaagccat  | tccaccgacg | aaaagcacca  | atatgcttat  | cattttgtag | actacgaacg  | 2094780 |
| tatctaaaac  | aataaatccc | cgcttccggc  | ggggattatc  | atttttatct | cttcttcttg  | 2094840 |
| aaaaaatctt  | tcatcaactt | tgcacagtcc  | tcggcaagta  | cgccttttac | tacaactgtc  | 2094900 |
| ttggggtgca  | aggcatcggg | cgcataccgc  | tgatagcctc  | ttttctcatc | ttcagcgcca  | 2094960 |
| aacaccagtt  | ttcccgtctg | tgcccaagct  | atcgcacctg  | cacacatcac | gcacggctcc  | 2095020 |
| accgtcacat  | acagagcaca | ttcattcaga  | tacttggtct  | ctaacgcatt | ggcagcagcc  | 2095080 |
| gtaatcgctt  | gcatttcggc | atgtgccgtc  | acatcggtta  | gcgtttccgt | caggttatgc  | 2095140 |
| gaacgggcaa  | tgattcggtc | gcgacaaaca  | acgacagcac  | ccacaggaac | ctctcccctg  | 2095200 |
| tcggcagcct  | tctgcgcctc | catcaaggct  | tgcttcatat  | aaaaaacatc | atcggccata  | 2095260 |
| acttatctgc  | gcatactgtg | ttccttgaac  | aaggtaggat  | aatcatcttc | catattctga  | 2095320 |
| tgaataaaaag | ccaatatggt | ttcacgaagc  | cagcgcgcct  | tgttctttat | ctggtaagtt  | 2095380 |
| tccagataaac | ggtctacaat | ctgcacttct  | tcttactca   | tcaggcatac | catccgccgt  | 2095440 |
| ttacgtggcg  | gtaccgatgg | tggcaccttc  | ttccgttttt  | tcccgttatt | catcattgca  | 2095500 |
| aatacaaaat  | tagtacactt | cgaccaaata  | caaaacagaa  | aatgcgtatt | tttgcaaaaa  | 2095560 |
| acaaaatggc  | gaagcataac | gagctgggaa  | aagaaggaga  | aacagaggct | gccgaatacc  | 2095620 |
| tgataagcaa  | aggctacacg | atacgccacc  | gcaactggcg  | ctcaggcaag | cgggaactgg  | 2095680 |
| acatcgtagc  | gcaaaaggac | ggtgaactgg  | taatagtaga  | agtaaaaacc | cgccggagcg  | 2095740 |
| acgagtttgg  | ccggccagaa | gaagccatta  | ccgaccggaa  | aatcagaaac | atcatcatct  | 2095800 |
| cgactgatgc  | atacattcag | agattcgaaa  | tagacctgcc  | ggttcgcttc | gatgtcatta  | 2095860 |
| cagttacggg  | gacagagcct | ccctttcaga  | tagaacacat  | cgaagatgct | tttttgccac  | 2095920 |
| ccatttggtg  | agacatacat | atagtacaac  | gtcaagtcag  | aaaaaaatta | tggatataga  | 2095980 |
| aacactccgt  | caatattggt | taagtaagcc  | tgccgtaacc  | gaatgtttcc | ctttcgacga  | 2096040 |
| aagcaccctt  | gtttttaaag | tagtagaccg  | catgttccctg | ctggtcgatc | tggaacatcc  | 2096100 |
| tgaccatgcg  | tgcatgaaat | gtgccccgga  | ttatgccatc  | gaactgcgtg | aacgctatca  | 2096160 |
| gggtattgaa  | ggagcctatc | atttcaataa  | gaaatactgg  | aatcagggtg | cactgcaaag  | 2096220 |
| tgacgtaccc  | gaccaacttt | tctgtaaact  | gatcgaccat  | tcgtatgatg | aagtcgtcag  | 2096280 |
| gaagttttacg | aaaaaacaac | gggacgtttt  | ggaaaaaaca  | tcaccacggt | ctactgaaaa  | 2096340 |
| cgtgggcacg  | tttccggccg | attatccgga  | accgatattt  | ctgagtgaac | caaattctac  | 2096400 |
| aaacagttac  | ttggatgaat | tgtgtaacaa  | aacttcgggtg | gccgaactga | cgagcgtata  | 2096460 |
| taccgacttt  | caaactgccg | gccgcgggca  | gagaggcaac  | agttgggaat | cgggaagcgag | 2096520 |
| agccaactta  | ctcttcagct | tcgtacttta  | tcccgacttt  | ctggaagcac | ggaaacaatt  | 2096580 |
| cctgctttcc  | cagattacag | ctcttgccct  | acaagagctc  | ttatcgcaat | acaccgacga  | 2096640 |
| gatccgtatc  | aaatggccca | acgatattta  | ctggaaagac  | aagaaaatct | gcggcactct  | 2096700 |
| gatagaaaat  | gacctgaccg | gcgtacatat  | cagccgttcc  | atctcgggca | cagggtgtcaa | 2096760 |
| tctgaatcag  | gaaagtttcc | tgagtgacgc  | tcccaatccg  | gtttcactct | ttcaaattac  | 2096820 |
| tggaagcagc  | tacgaccgca | aagaaatatt  | atgtgacttc  | atggaacgtg | tagctcagta  | 2096880 |
| ttataccctc  | ttgaaagacg | gagaaaccga  | actgatagcc  | tcacgctatc | aggctgtact  | 2096940 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ctatcgcaag  | gagggccttc  | atgcctacaa  | ggataaagac  | ggaagtttcc  | gtgcccgtat  | 2097000 |
| ctgtggaatt  | gaaccatcgg  | gagccttgat  | tctggaagat  | gagagcggaa  | agagaagaga  | 2097060 |
| atataatgtt  | aaagaagtgt  | ctttcgaatt  | ataatcctaa  | gcatgtcacc  | taccagccaa  | 2097120 |
| cgaatactgc  | acatactgat  | accttctatt  | atctctaaca  | taacggttcc  | cttgctggga  | 2097180 |
| ctgatatagc  | ttaccattgt  | aggacatctc  | ggttcggctt  | cgtacattgg  | agccatcgcc  | 2097240 |
| gtaggaggtg  | tgcttttcaa  | tatgatttac  | tgatatttcg  | gcttcctgcg  | tatgggtaca  | 2097300 |
| agtgggctaa  | cggcgcaagc  | ctacggtgct  | cacgaccttc  | aggaagtaac  | ccgtatcttg  | 2097360 |
| ctgcgatcgg  | tcgggtatcag | cctgatgctg  | gcactggcgt  | tacttgctact | acaatatccc  | 2097420 |
| atacgactca  | tcgctttcga  | actgatagat  | accagtgcag  | aagtacaaca  | gcttgccacc  | 2097480 |
| ttgtattttc  | atattttgat  | ttggggagct  | cctgccacac  | ttggcctata  | tggtcttctc  | 2097540 |
| ggatgggttca | tcgggtatgca | aaactcacgc  | ttcccgatgt  | ttatcgccat  | tacacagaat  | 2097600 |
| atcgtaaaca  | tagcagccag  | tctgcttttc  | gtctttgttt  | ttgggtatgaa | ggtggaagga  | 2097660 |
| ggtgccttag  | gtacgctgat  | agctcagtat  | gcaggacttt  | tcattggcgt  | cttgctctgg  | 2097720 |
| ctgcgttact  | ataggccttt  | gcggaataac  | attagctgga  | agaaactttt  | tactcgcaac  | 2097780 |
| gccatgaaac  | gcctgtttca  | ggtaaaccgg  | gacatcttcc  | tccgaacctt  | gtgtctagtt  | 2097840 |
| gccgttaccg  | tggtctttac  | ttctaccgga  | gccgcctacg  | gagatgtagt  | tctggctgtc  | 2097900 |
| aacaccctgc  | tcattgcaatt | gtttacactc  | ttctcttata  | tcattggatgg | atttgccctat | 2097960 |
| gcaggagaag  | cgctgaccgg  | caaatacatc  | ggagcgggaa  | acaaacagga  | actccaccgt  | 2098020 |
| accatccggc  | atttggttcg  | ttggggaatc  | gccttgctga  | ttgcttttac  | gttgctctat  | 2098080 |
| ggaataggag  | gacaaggatt  | tttaggactg  | ttgacgaatg  | accagtcggg  | tattgttgct  | 2098140 |
| tcggacgatt  | atttttactg  | ggtacttgcc  | attccgcttg  | cgggattttc  | agctttcctg  | 2098200 |
| ctggacggta  | tctgcatcgg  | aaccacttcc  | accaacatca  | tgctaaaagc  | aatggtggta  | 2098260 |
| gctgccggaa  | gtttcttctc  | gattttattac | ggactacacc  | atagccttca  | caaccatgcg  | 2098320 |
| ctgtgggttag | gctttatcgt  | ttatctggca  | ctgcgaggca  | tcgttcaggc  | ctggctgctc  | 2098380 |
| aactcttcca  | gcctacgaac  | agccaagtga  | tggtttcttct | cggcagcttt  | ccgataccag  | 2098440 |
| tacaacgctt  | tttccctgtc  | cgggtgcgca  | atccatcctt  | cttcataggc  | ttgtccgatg  | 2098500 |
| cgataaagg   | catagatatc  | ttccgacttt  | ttatatgctt  | cgaaagcctg  | agggagggat  | 2098560 |
| acgggtaagg  | ttccacagcc  | tttccgatac  | aaatcaccca  | aattcgtagg  | agcgtataaa  | 2098620 |
| tgatctccct  | gaaggtaagc  | ctgcttgaac  | cagtactcag  | ctttctgtcc  | gtcacgttcc  | 2098680 |
| acaccgatac  | cttcttgata  | gatagttcct  | aaatcgttca  | gcacgactcc  | cgctacatcc  | 2098740 |
| gctccagccc  | gataactttc  | accgagagcc  | accagcattt  | ctgtatcttc  | acgcgaataa  | 2098800 |
| ctttcccaag  | tttcggcccc  | gtctatctgc  | caggacttaa  | ctcgtccaat  | ggaaacatgc  | 2098860 |
| tgaggtagat  | cgacttctgt  | ctccatttct  | tccgcggcag  | gatcttcttc  | cagctcggca  | 2098920 |
| tcggtagcct  | ggggaagcag  | acctttccgc  | atgatatact  | gcacatagcc  | ataaatgcgt  | 2098980 |
| ggcgtggaag  | aatgaagatt  | taccccatat  | tgcgccagta  | atgccaacga  | taaataaggg  | 2099040 |
| gttccttcca  | atggaaaccc  | cacatagtaa  | cgtggaaaca  | cagacaatgc  | cgatttcagc  | 2099100 |
| attgctattt  | cttctccaat  | ggcatcttca  | atccatgctt  | catcgtatat  | tcgatacact  | 2099160 |
| gtttgccccg  | cctcatcggg  | aatgtcaat   | gtgggtatgat | tgagggtgtg  | gcttaaacaa  | 2099220 |
| tccagcaggt  | agggaacaaa  | cttataatcg  | ctataagagg  | ccagcccgtc  | tatcataact  | 2099280 |
| tcataattcat | ccggcccctc  | tgctatgaca  | aacatgggtg  | ttgagatttc  | cggacgagtg  | 2099340 |
| aaataataat  | agctgcgttc  | tccgtcgtaa  | ccttcaaatt  | caaattggaa  | aggaacatcc  | 2099400 |
| agttcacgca  | agaacgtatc  | caaatacaac  | ttggccgatg  | aatgtatgca  | taccgatctc  | 2099460 |
| atgcttcctc  | ttctctctcc  | gtaccgtcca  | acagatatcc  | tttgcggaac  | atgtcaagga  | 2099520 |
| acaacaggaa  | taatgacacc  | agcaaaggct  | caaaaataat  | tcccataaat  | ccaaaaatcg  | 2099580 |
| gcagtccggc  | cacaacacca  | aaaattgtaa  | tcaatggatg  | aatattggcc  | attttcttct  | 2099640 |
| gaagaatgaa  | acgaatcagg  | ttatcacact  | gagagataat  | aatacctcca  | tatcctagca  | 2099700 |
| ggataagcgc  | atttaccat   | tcacccatga  | tcaggaagta  | aacagatacc  | ggaacccaaa  | 2099760 |
| tcaaagccgt  | gcctaccagc  | ggaatgattg  | aagcaaatgc  | cgtaagcaat  | gcagtcaaat  | 2099820 |

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|            |            |            |             |            |             |         |
|------------|------------|------------|-------------|------------|-------------|---------|
| acggattggg | agcatcgcac | agccagtatc | ctcccaaaga  | aataacacct | tgtataacag  | 2099880 |
| ccagcaacgg | aataccgatg | gcattcgagc | gtaccatcaa  | ctggatttta | ttaagaactt  | 2099940 |
| cacgcttggt | actttcggta | aagggcataa | tggtcgatac  | ataatgttcc | attttcttgc  | 2100000 |
| cttcccacaa | cataaagaac | aagagcataa | tggtacagc   | cagattaaca | actaaatcgc  | 2100060 |
| ttaccccact | catgatcttt | tggccgatgg | aagatgcctg  | ggacaccata | aacgataaac  | 2100120 |
| tttgttctga | cagcaagtcg | aatccagtcc | gttcctcaat  | gatatcgata | gcctgacgtg  | 2100180 |
| cgggctgaat | gattgactgg | gtatcaaaat | gcattcccga  | aatctgactt | acaatagccc  | 2100240 |
| aactgaacaa | cgatagagga | atcaaaataa | agagtgttac  | tcctatttga | ataatccaga  | 2100300 |
| ctgccagaag | cggttttatc | ttgctctgaa | gccagttcga  | aaaattacgc | aacaacagat  | 2100360 |
| ataaggtaaa | ccctccta   | atgccgttca | tgaacggctg  | tgcctgacga | aacaacaaaa  | 2100420 |
| ttcccaatcc | gatgataaaa | ataatgagag | aatattttcca | atattgttct | ttcatactac  | 2100480 |
| aaattttcct | ttttagtcac | aataaataac | tgtaccactt  | gggggcaaag | ttacggaaat  | 2100540 |
| atacttatca | acaagctatt | tatcgtttta | atatcataaa  | aaagtcgttt | atagtcattt  | 2100600 |
| gttcatgttt | tcaacacaaa | acaaacgttc | cataaacgac  | tccgacattt | actaaattca  | 2100660 |
| tcattcagtg | caatgtctct | catattacct | aaaaaactcc  | caatacctac | gtatgcttta  | 2100720 |
| ccggactatt | cgataccgat | ttcatctaca | aagatgaatg  | caggctcggc | acttcccca   | 2100780 |
| tgccatgcgg | gaatcttata | ttccggttta | gcatcacct   | taacataacg | agcattttata | 2100840 |
| gaattgaact | ctacttcgtg | agtataaata | ccatttttgt  | ccttagaagt | gacaggagga  | 2100900 |
| aagtcaaccg | ttttcaactc | cttataaatt | ttaccatcat  | cggatgccaa | taccgaaatg  | 2100960 |
| cttcttacgt | ctaagatttc | ttctccaatc | tccacataag  | tccgtacca  | tgctttatga  | 2101020 |
| atggaagtct | cctgcttta  | atcgactacc | gcctccatat  | cattcttata | aaacgcaatc  | 2101080 |
| caccgtcctg | ttctgtaatt | gggtgttcca | cttaaaccat  | ctaccaatgt | atattcacca  | 2101140 |
| ttgaatttat | atttctcatt | gatcggctgc | aataatgtca  | aaggcttgac | agtagcttta  | 2101200 |
| ttgaaatcga | ttttttctgt | aagaacatca | ctctttttat  | tattacggat | agtgatagct  | 2101260 |
| ttcaaaacac | aactttcttt | caacgaaagt | gtatcaccat  | acaactggga | cttttccgta  | 2101320 |
| ggttcactac | cgtcgagcgt | ataataaatc | ggtgaatttc  | cgatagcaga | caacaccacc  | 2101380 |
| ttaattgaat | tatttacata | atctgtaata | tattccgcct  | taacattaaa | aacatgctta  | 2101440 |
| gcataattat | atccttccc  | atcataaatt | gaaatcaatt  | gcggcaaacg | ttgcaggaag  | 2101500 |
| ttatcgtaat | tctttttatc | gggcatcgtc | cattggactt  | ccgacaaggc | agccagacga  | 2101560 |
| ggtaattcca | tatactccaa | ctggctaata | gtgggaacat  | attctgtcca | taaattagct  | 2101620 |
| tgaactccga | tgatatgagt | agcctcatca | gcagtcagac  | tcggatcaat | cggttcatag  | 2101680 |
| ctatatactc | gttctacaga | cacatatcca | ccgatagcca  | acggttcctt | ttcagtatcc  | 2101740 |
| atcgtctgat | aataatcgaa | atataaatga | gaagctggag  | tcatgatagc | atcatttccc  | 2101800 |
| atctttgcag | cttcaatgcc | tccttccttg | cctcgccatg  | acataactgt | agctgtagga  | 2101860 |
| ctcaatcctc | cttccaggat | ttcttcccat | cctatcatct  | ttcgtccctt | tcctttcaag  | 2101920 |
| aacttctctg | cataatcaat | aatgtaagct | tgagttttct  | gctcagcagt | atgcttatcg  | 2101980 |
| tctgccttga | tgcccaaagc | tttaatgcga | gcctgacatt  | tcggacactt | ttgccaacgg  | 2102040 |
| actttcggac | attcatcacc | acctacatga | atatattcgg  | aaggaaagat | ttcaacgatt  | 2102100 |
| tcaccaata  | catcttcgat | aaattttaga | gtttcatcgt  | taccggcaca | caacacatca  | 2102160 |
| tcggaaacac | cccattgctt | ccagacttca | tacggcccgc  | ctgtacaacc | ttaaataagga | 2102220 |
| taagcagcca | atgcagcctg | catgtgtccg | ggcaaataca  | tttcgggaat | aattgtaatg  | 2102280 |
| aagtgatcct | gggcatattt | tacaatttca | cgagcctcat  | cctgagtata | gaaccctcca  | 2102340 |
| tagggcacat | gatcgtattc | tccagaatta | cgaccgcga   | ccgtttccgc | acgttttagaa | 2102400 |
| ccaatcgttg | taagttccgg | acgtttcttt | atttcaattc  | tccaaccctg | atcgtctgta  | 2102460 |
| agatgccagt | gaaaacggtt | gatattatgc | aaggcaagca  | tatcgataaa | acgcttgata  | 2102520 |
| gaatctgccg | ggaagaaatg | acgtgaaaca | tccagatgta  | ccccacgata | agagaaacga  | 2102580 |
| gggtaatcat | tgatttcaac | cgcaggaaaa | gccacatctg  | catgtccggc | ttcagccatc  | 2102640 |
| gacttacgca | atgtctgaat | accataaaa  | actccggcag  | cagaagcacc | ttgtacacga  | 2102700 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| atcaaatgct  | tttcaacttc | aagatgataa  | gcctctttat  | ttttattatc  | cagccccgta  | 2102760 |
| gacaaaataa  | tggcattcct | atcgacggac  | ttatctgtca  | cttctaactc  | cttccccgtc  | 2102820 |
| tgttctttga  | tatatccagc | taaaaattca  | gcattacgtt  | tcatcgatc   | atcaccagct  | 2102880 |
| ggatatacaa  | taacggtatt | gttggtcaaa  | acaaaatcac  | caacagcagt  | agtttgtatt  | 2102940 |
| tcttgcggca  | acggaatgac | atcaaaatta  | gcctgatctt  | ttatagccga  | cgaacaagag  | 2103000 |
| aagagtcctc  | cacacaaaag | aagcaatcct  | aaaaagtaca  | ggtttttcat  | taaaagatga  | 2103060 |
| ttgattagtt  | aacaaaataa | ttattagaat  | aaatacacta  | tttctccgaa  | atattggtat  | 2103120 |
| agagaacctc  | aatccttgaa | gtactacatc  | aacacttcga  | tagaaacatt  | ctatagaaaa  | 2103180 |
| taaaaaaaca  | accgatatat | gattatcggg  | tgttcttatt  | taacaatact  | tcggtaaatt  | 2103240 |
| tttaccgata  | aattaaaatt | aaacatagaa  | tcggcataat  | ccggttcaaa  | attatattca  | 2103300 |
| agagatcatt  | gaaatactgt | caagaataaa  | tcgtcaagga  | gtaagaaaag  | ggatgaaaaa  | 2103360 |
| gatatgctaa  | acagctgaaa | atcaacagaa  | aaagtatttc  | ataattcact  | gatttttagt  | 2103420 |
| aaattagaag  | tacttcacca | cttttaatta  | tgactaaaga  | atcactcctt  | atgcaatacc  | 2103480 |
| aatccgagtg  | cagaaacgct | ctcgaatcag  | ctgtaaata   | aagcaaactc  | tttcagaaag  | 2103540 |
| tattcatgga  | tgcaatgaaa | ttattcatgg  | ctatacctga  | ccgcatcaat  | ttcctacaaa  | 2103600 |
| tgggacggta  | tggatgtttc | tcggaacaga  | cataccgcaa  | caattttgag  | aacgacggct  | 2103660 |
| ttgactgggt  | ttccttcaat | gaagccatca  | tcagggaaca  | ccttaaagggt | ggtcgcaagg  | 2103720 |
| cgatagccgt  | tgatccgtct | ttcattccaa  | aatcaggcag  | caaaacgccg  | tggattggct  | 2103780 |
| atttctgggc  | cggttgtgcc | ggtgaataca  | aacgtggact  | ggaaataacc  | ggtattggag  | 2103840 |
| ttatagacgt  | tgacaaccat | gaatgtatga  | ctttgggctc  | tgtacagaca  | cctgacaacg  | 2103900 |
| caacgctgga  | aagctgtgag | aagaatcttg  | ttgactggta  | cagctcttac  | cttatcagca  | 2103960 |
| tacaggaaca  | gctgaaacgt | atttctggca  | cagtcgtgtg  | tgatgcgttc  | ttttcaaagg  | 2104020 |
| caactttcat  | caaaccattg | tacgataacg  | gtttccacgt  | aataagccgt  | ttcaggaatg  | 2104080 |
| atgccgtatt  | gttttatccc | accttagaaa  | ataggacagg  | aaaacgcgga  | cgtccaaaat  | 2104140 |
| tacatgacga  | gaaaattgac | tttgaaaatc  | tggacatcac  | aagatgtacc  | gagtacaaag  | 2104200 |
| tgaacaaggg  | taaactttac | ggactgaaag  | catactccaa  | agcactcaaa  | cgctttgtga  | 2104260 |
| gcctggctgt  | atggtacccc | atggatggaa  | gaacggacaa  | atggcagctg  | tattttctcta | 2104320 |
| caaacgaaat  | acagaacgca | caggatgtcc  | tggactttta  | cagaacacgt  | ttccaactcg  | 2104380 |
| aattctgctt  | tcgggatgcc | aagcaacatg  | ccggaatagc  | aaactgtcag  | tctacagact  | 2104440 |
| tcaggaaact  | ggcattccac | tttaatgcat  | cacttgcagc  | gataaacctc  | gccaaaggctg | 2104500 |
| cctgtaagaa  | gatgggaata | aaatattcca  | tatcatcatg  | caagtcagtc  | atacacaatg  | 2104560 |
| cttacatgct  | tgaacgattt | atttgcgtgt  | ctgggattga  | accaaacacg  | caattaattg  | 2104620 |
| acaaactttt  | caaagaactc | attttattta  | ctgccagagc  | cgcttaggct  | gggctaattt  | 2104680 |
| ttaacgaact  | attgatttaa | tcaacaaaat  | aatcttttat  | tgatacatat  | acactgagaa  | 2104740 |
| tctcgtaata  | tcaacacgac | caggaacatc  | aatcatctga  | tattttcaaga | aacgagtgtt  | 2104800 |
| tactctctga  | ttaaacttaa | tggtttgcag  | ataactactt  | gtttcgaaca  | ctcctattga  | 2104860 |
| cttccaaacta | cttccattgt | ctgaagtaaa  | caactctact  | tttggttgag  | catacatatt  | 2104920 |
| tgcccaatgc  | tgagtctgta | tacctgatat  | agttttttaca | gattttaaatt | caacagtcaa  | 2104980 |
| ccagaaaagga | actccattag | tagccacatc  | attacttccc  | gttcctgcca  | cagtatttagc | 2105040 |
| tcttgggttt  | tctactccgt | ccataaaagt  | aaatatccat  | tctttcgggtg | tagtaaccaa  | 2105100 |
| tacatcctgt  | tttgggtttc | ccgctgcttt  | cttcaactgta | aatgcaaata  | ctttattaaa  | 2105160 |
| gtcactaaca  | gtaactcctt | gagcattcga  | attaatagat  | ttcatgttaa  | ttttaagaaa  | 2105220 |
| gtattcagca  | gccgctttta | cattaatcaa  | ctcagaccag  | tcagtaatac  | tcaaagttat  | 2105280 |
| aggttccgac  | tgtttttgtc | cagctttttat | tacggctttt  | tgtgaactca  | aagcaatttt  | 2105340 |
| attcgcacta  | ataggaagat | ccgtagttac  | ttcaatatct  | acagctatat  | cttgatctac  | 2105400 |
| cggttttgat  | gcaacagcta | taaactggaa  | gtctacctta  | ccttctattc  | ctataccttc  | 2105460 |
| cgaatgggtc  | aaattaaact | cagtagtaag  | aggttttcaa  | taatcaacag  | gaagcaagga  | 2105520 |
| gatataactt  | agattccatt | cattaattgt  | ttcatcgtcg  | tcactacacg  | atgtaaaagg  | 2105580 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| aatgactccc  | cctatcaggg  | cggccattaa | tatataatga  | aaaaaaccttt | ttcatactat  | 2105640 |
| tagtctttat  | ttcattcacc  | tctctgtctg | tcagagaggt  | gaattattat  | taaaaatatt  | 2105700 |
| tatttccaag  | gagttgccgt  | ttcagtagac | aagatacctt  | ctacccaagt  | aaccttttgt  | 2105760 |
| ttagtttcca  | aagtatgtcc  | tttacctgtc | gcatcttcga  | atacagtgtg  | agtaccatca  | 2105820 |
| cttctttctt  | ctgttttgcc  | ttcattcata | cgccaatatg  | cttccaatcc  | ggtagacttt  | 2105880 |
| ggactcacct  | gtgtcatact  | gttctgaatc | tgagctgcat  | tacgagctac  | agaccaaata  | 2105940 |
| cgtatctggc  | ttacccaaat  | gttacaacca | ttccaccaac  | ctgactgatt  | tccatctcca  | 2106000 |
| tcagtaaacc  | agttaacacc  | tttgaatgtc | aaacaaggag  | tagcacactc  | caacttacca  | 2106060 |
| ctttcaatac  | catttacata  | aattcggtaa | gtagttccat  | cgaaagtcac  | agctatatgt  | 2106120 |
| tgccattttat | tggtttcaaa  | atgattagca | gggttaacat  | acataccctc  | atgaagctga  | 2106180 |
| atctgaacca  | acgagtgggc  | aggatgatca | ctattagcag  | actgaggatc  | ttcaaaacgc  | 2106240 |
| aataatatat  | agcgaccgga  | gccgtcatta | gttgaaaata  | cagcacgggt  | acgattattt  | 2106300 |
| gtattactaa  | tttggaacg   | tgcttctaca | gtatactgcg  | cataagtttc  | aggagcagag  | 2106360 |
| atatactctg  | gtgaatataa  | cttagcacct | ccaccaaaact | gaggagcaga  | gaactgaata  | 2106420 |
| atattttctg  | ctaaaataac  | ataagttcct | gtattaggca  | taacagggtg  | gttaccatcc  | 2106480 |
| ttcgaacca   | gtctgacagg  | caatgcataa | gcttctcctg  | aatctaccat  | ttccttggtg  | 2106540 |
| aaggctttca  | aagttattgt  | tgtttcttca | gcattatatt  | ctccagattt  | aataacaata  | 2106600 |
| tcttcgggca  | aaacatattc  | accttcagga | atggttacgt  | aacttgtacc  | attttgttta  | 2106660 |
| ttatattcat  | ctaataataga | agaatctact | acaagcttat  | aatgactatc  | tatagaagca  | 2106720 |
| gcattactca  | tatgaatatt  | gatcgtagta | gtggtttctc  | cagtagcctg  | taccgttact  | 2106780 |
| ttcgcacctg  | ctccattaag  | ggcttcttgt | atataagcat  | gattatcaag  | agcagaatat  | 2106840 |
| tctgcatcat  | cacatgctgt  | aaatattccc | acaccagcta  | tcaatgctga  | gaagaaaaat  | 2106900 |
| gtttttatat  | aattcagttt  | cataatctaa | ttaatattta  | agtaatgaat  | gtgaagaagg  | 2106960 |
| attcataatt  | tgaatggcct  | tgcgcatatt | tttacattct  | ggagtagtac  | caaattctgc  | 2107020 |
| ttctaaatga  | taaactccta  | caccgccctt | attgaaaccg  | tttgtagggt  | tccaacgagc  | 2107080 |
| cataccttcc  | aatgacaaca  | tagaattacc | ataacggtct  | ctatatgaat  | aacctccatt  | 2107140 |
| cattgccgca  | tctacagctt  | caaaattttc | tgtcattatc  | gtcatattag  | tgactctttc  | 2107200 |
| ttcaccaagt  | tcttttccaa  | aagtttccat | caagccacaa  | cgatatgctc  | caggccctcc  | 2107260 |
| aagaagtcta  | ccatctaagt  | tagaatcact | tccaggattg  | taagcttgaa  | ttacaaagta  | 2107320 |
| gtcaaaaatag | tgtccaactt  | gaggttgatc | tgtaatactt  | tgaggctctc  | catcaatcac  | 2107380 |
| caataattta  | cctgtcccctg | attgtgggtc | caaataattta | ctaagttctt  | caaggaaaaat | 2107440 |
| tgcaaatcgt  | gaattattac  | ctgacattac | aagattacct  | acataaggac  | cagcattggg  | 2107500 |
| ttcataatca  | atatcaaatac | catcataacc | ataatagtta  | attgtatcgg  | ctactgctct  | 2107560 |
| tgcatattta  | cgaatagcag  | cttccatagc | ctcctgattt  | gtttcatcaa  | atccccaaaa  | 2107620 |
| agcgtaaatc  | gcttcacgat  | cacttccata | tccattttct  | tcccagttat  | cagtaacata  | 2107680 |
| agaaggagta  | aatccatctc  | ctacactacc | aataatttgg  | caaacaacaa  | cttttgttcc  | 2107740 |
| ttttacttgc  | tgaacaaaag  | ctaaatcttt | cttctgcttt  | tcagtcaaat  | ttttactggt  | 2107800 |
| gttccataaaa | gaaacaatat  | ccaaactatc | aggaagtcca  | gccaaagagt  | ttttcatata  | 2107860 |
| agctccatca  | ccagtccatc  | ctccatacca | tccaaaagaa  | acttgatggg  | cactctgttt  | 2107920 |
| ataggcacgt  | aatgcagcat  | aatattcatc | agaagttact  | tcttcaggaa  | acgactttgc  | 2107980 |
| ttccatatct  | gtccaatcac  | tacaacctac | aaaaatggaa  | gtcagtaatg  | acaaacataa  | 2108040 |
| ggatatataat | aaagatatct  | ttttcataaa | tattcattta  | atgttattag  | ttcttttttag | 2108100 |
| cccacttcaa  | atcggtagcc  | tcattatcag | cgcttcccaa  | ttcagcaact  | ccttgattat  | 2108160 |
| aatttgtagt  | gttattctgt  | gcttctgtat | atgggaaact  | taaacgacgc  | atacctcttg  | 2108220 |
| tactgctgac  | accacaatct  | gaaagggtat | cgatacatgg  | atacagttcc  | ggatatcccg  | 2108280 |
| tacggcgata  | ttcagcccat  | gcctccaagc | ctaacggata  | attggcaatc  | catttctgag  | 2108340 |
| tgataatacg  | ctggaagtgc  | ttaccggtaa | gagaattgtc  | actgtcatcc  | cattttacag  | 2108400 |
| aaactgtatt  | ggaaatagta  | gccgcagctc | tctgtacatt  | atcactggca  | tgtgatacgg  | 2108460 |



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|            |             |             |             |             |            |         |
|------------|-------------|-------------|-------------|-------------|------------|---------|
| taggagcttt | atctattgcc  | aaatactcat  | cacccgatac  | agagtattgt  | tccattgaaa | 2108520 |
| gacgtatacc | tgtttcataa  | tattcttttag | ccttcttatac | tccaacattc  | catcctctca | 2108580 |
| aaataccttc | tgacgcagc   | aatgctgttt  | cggcagcaca  | gaataccatc  | aacttatctg | 2108640 |
| ttccggtaat | agctggtgtt  | gaaaatgcag  | cagcatctcc  | tttcgcaaaa  | ttgctgtcgc | 2108700 |
| ccgtacgcat | tccaacatat  | tgatctgttt  | tgccagccat  | agtcgactta  | ttgaaatact | 2108760 |
| taggcatacg | tgatcatta   | taagcattca  | tatagtcaac  | aatgtttgca  | ttcacacgca | 2108820 |
| aatcacccca | gctgacagct  | gccaactgat  | atggatttgt  | ctgtgttccg  | caatccatca | 2108880 |
| tcgcattatc | tacatttgtt  | tcaatcaaac  | cagccggatc  | agaaacagcc  | gcttctgctg | 2108940 |
| cctctttcgc | catctcaggc  | catgtatcgc  | tgatacgtat  | agccacacgc  | aaacgcatgg | 2109000 |
| agttagccaa | tttagcccat  | tttgaataat  | caccattgaa  | cacaggggtca | ttcgagccta | 2109060 |
| aaggagcata | accacttgta  | cttacataat  | agttatacaa  | tacacttgcc  | gcattttcca | 2109120 |
| aatcttccag | aatatgcttg  | tacacatctt  | cttgagaatc  | gtaagctaca  | tagaaattac | 2109180 |
| ccttctttac | ctgactgtaa  | ggcataggac  | cataacagtc  | ggtcacgcgt  | aacattgtta | 2109240 |
| ttgcacgaat | catgcaagca  | aatgcataat  | agtgtccagt  | agaattgggt  | gcttcttgaa | 2109300 |
| tctggaagaa | gtttccatag  | atcttctggg  | aagaagtatt  | ccatggacta  | gctgtccagg | 2109360 |
| aatcactagg | attgaatgtt  | ccaaagttag  | taccactcca  | tgtattggaa  | caacacagat | 2109420 |
| agccaccacg | ctgtcctacc  | atctgatcca  | tcatctgaga  | gtcattctgt  | tgaatattga | 2109480 |
| caatagtttc | aatcattgac  | ttcatcaatg  | tggaaggatc  | agcctcgtga  | atctgatact | 2109540 |
| gattagtatt | atattcttca  | aacttatctg  | tacagcctcc  | agccaaaacc  | aataaagctg | 2109600 |
| cacccaaggt | tatatttttc  | aaatagtttt  | tcataatagg  | aatctcctca  | aaattagaat | 2109660 |
| tgaactttta | cattaaaacc  | aatattacgc  | aaacttggct  | gcataaaata  | gtccacattc | 2109720 |
| atataatagt | tacttgcggt  | agctgccgac  | aattcaggat  | cgaaggagc   | tttacaataa | 2109780 |
| atcatccaca | agttacgtcc  | tacaacacc   | aaagtaatat  | tggctacatt  | cttaaaccat | 2109840 |
| tttttaggaa | gagtgttaatt | caagctcaat  | tcctgcaaac  | gaacgtttgt  | cgcactatac | 2109900 |
| aaatagtaac | gaccatatcc  | accttcaccg  | gtaccaattg  | tctgataata  | tttctgtgca | 2109960 |
| gtaaccagac | cattattaat  | aggaatgcct  | ccattgtcac  | gagctgtagc  | agaagcttcg | 2110020 |
| gatacaccat | agtaatccaa  | aataccttgc  | gtagcagaat  | aagccaaacc  | accaactcga | 2110080 |
| gcagacaata | caactcctaa  | atcaatacct  | ttataagtaa  | agtggttagt  | ccaacccaaa | 2110140 |
| ttgaagtcag | catccaaatc  | gcctaccta   | gtcggggttg  | aagaagaagt  | catcgacaga | 2110200 |
| tttccgtttt | ggtcaacctt  | gatattaccg  | ttattatcgc  | gagtcaactg  | gttatataca | 2110260 |
| taaatatctg | tcatagagcc  | accttcagtc  | aagataacac  | gaggcgctac  | gttttcctta | 2110320 |
| cctagccaac | caacaggcat  | gttctccatt  | tgattttctt  | ctcctgtaac  | aggattcaca | 2110380 |
| ctaccacttg | ccagacgaat  | aaccttatta  | cggttcaatg  | taaatgctgc  | attcgtagac | 2110440 |
| cagccaaatc | cagcccattc  | atcgtggaat  | cctaaaccta  | attccacacc  | ctggttctgt | 2110500 |
| acattaccag | cctgaacaat  | agccttatta  | taaccagaag  | atggaggaat  | atcaacacta | 2110560 |
| aatgtttgat | tcaatgtatt  | tgaacgataa  | taagttgcat  | ccaagttgaa  | acgattttcc | 2110620 |
| cagaacttca | agttaagacc  | aatttcccat  | gatttagttt  | tttccgggtt  | catatcatcc | 2110680 |
| atcggataaa | ctgtcggatt  | ttcccagtta  | tgagtctgtg  | cattgtacac  | ataaccgga  | 2110740 |
| ttggtcaaga | aacgatcaaa  | cgaagaagcc  | acaatagtat  | atgatcctcg  | aatctttgcg | 2110800 |
| taagaaataa | cttccggcaa  | ctcaagcata  | tcaagacata  | cagctgacaa  | accgacagac | 2110860 |
| ggatagaaga | acgaaggatg  | tttagagtaa  | gccaaacttag | aatcccagtc  | gttacgtccc | 2110920 |
| gttacagtca | aatacaactg  | atcttctccag | cttaattctg  | cacttgcgaa  | aacactctga | 2110980 |
| atctcatcat | catatccttg  | aggatccggc  | ttgtagttag  | ccgaatagtt  | gatattattc | 2111040 |
| atctggaaga | aattcgggaat | cttcaagtcg  | ccggctatag  | acaactgatt  | catggaagta | 2111100 |
| tgatagatag | atgcaccaa   | gttcgcattc  | aaacggaact  | ctccaaatgt  | cttgtcaata | 2111160 |
| ttccccagaa | catcggcata  | aattgaacgt  | tcctgacgca  | ttgcatcttc  | cagaccacca | 2111220 |
| ttcacaccac | agaaggtagt  | caacgtagaa  | gccgactttt  | cgctgcgatt  | gcgataatcc | 2111280 |
| gagttatcca | gattgacacg  | tcccgtgata  | ttgaaccagt  | cggtcacctt  | ccattttcaa | 2111340 |

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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| gaagcgttca  | acataataacg | tttcttttct  | gaagtacgta  | atatcttggt  | ctgaatccaa | 2111400 |
| taagggttct  | gcaaagacat  | accaccatca  | ccataaggcc  | aatattgctt  | catgtaaccg | 2111460 |
| tagtctgtat  | cgtaacgttc  | atacaaacga  | atttcatcga  | agttatcgcc  | acgcgggaac | 2111520 |
| aaatacaaaag | ctggcagcgg  | gttgtaatac  | tgtccttggt  | ataccatggt  | cttggtattc | 2111580 |
| tgaataatgt  | actgagcacc  | gatatccaat  | gtcaagcgat  | cattcaaaaa  | gtagtagta  | 2111640 |
| ttacgagcag  | taaagttata  | acgattatag  | ctgttattcg  | gtaaaatacc  | atcagaattg | 2111700 |
| gttgtagaag  | cagacagata  | agtctgattc  | ttagcattac  | cggtagacag  | agctatagag | 2111760 |
| ttaatgatgt  | ttgttccagt  | gttaaagaag  | tcagacggat  | cgtatcttct  | atcagttgca | 2111820 |
| gcaccccgagc | taagcaaacc  | agcacttgta  | ccataacggt  | tctgcatttc  | aggcatgata | 2111880 |
| taagcttttg  | agaaagtagt  | actattcgat  | actgtaagat  | ttgttttttc  | agtctgacct | 2111940 |
| ttcttcggtg  | taatcaaaac  | aacaccattt  | gcagcagcag  | aaccatacaa  | ggcagcagca | 2112000 |
| gacggaccgg  | tcatcatgct  | gacactagca  | atatcatccg  | ggttcagggtc | ggctacagca | 2112060 |
| tcagaaccac  | ccatagatcc  | atattgtcct  | tcaccaccac  | ttgaaccagt  | attaaagaca | 2112120 |
| ggcacaccat  | cgattacata  | cagagcattg  | ttatcttttg  | tcaaagattt  | cataccacgc | 2112180 |
| atgacaacac  | gagctgcacc  | accggctcca  | gttgaccac   | tactgatctg  | cacaccagca | 2112240 |
| actttaccag  | ccaatgagtt  | catgaagttt  | gcacccctca  | cagctgtcag  | agcatcacct | 2112300 |
| ttcacttcct  | gtacattata  | gctcaaggct  | ttctgtgaac  | gcttgatacc  | caaagctggt | 2112360 |
| acaacgactt  | catccaaaac  | ttcagtgtcc  | tccttcatta  | caatttgtcc  | caacttagcg | 2112420 |
| cgaacaggca  | aagtctgagt  | cttatatccg  | atataagaga  | tttccagtgt  | tgcaccttca | 2112480 |
| tttacagata  | atgtaaagtt  | accatctatg  | tcggtaattg  | taccgttagt  | cgtaccaact | 2112540 |
| tcaaggatac  | ttactccaat  | cagaggttcg  | cctttagcgt  | caacaacctg  | acctgttgtg | 2112600 |
| gtgacctttg  | ccacagaact  | agatgacaac  | gatccattag  | atactgaaat  | accactttcg | 2112660 |
| gtagcataca  | atgctacatt  | atgaccagag  | gcaatcgaca  | aaaacaagag  | taattttgat | 2112720 |
| aattttacttc | gtttcataga  | ttaagggtta  | atgtgttatt  | aattttaagg  | atctaccttt | 2112780 |
| taaaagcgaa  | tgcaaataata | actattttat  | atatatatcg  | tgtgaaaata  | aaataattat | 2112840 |
| ccttgtaatt  | ttaaataata  | ttaattaatt  | taaaattaca  | aggatataaa  | aataaattac | 2112900 |
| ttaatatatc  | atttttat    | acaatgattt  | catcaacaaa  | ttgaatgcca  | tccttatata | 2112960 |
| aagaatcagc  | catagcctga  | tatctgacat  | aacgggcac   | cgcttctcct  | tcccagccaa | 2113020 |
| acttcttaaa  | tgacacagaa  | tcactttttt  | gtacttgatg  | atgaatggct  | gtcaactgag | 2113080 |
| tatatttcctt | tccatcgaca  | gaagatgata  | taataacttc  | cgacggcatg  | aatacataag | 2113140 |
| gcccgcgaat  | ctgcataaat  | tcggcagata  | ctgaatgaat  | tttcattact  | ttttccaaat | 2113200 |
| cgatgaccac  | atccatccga  | tgggtgtctg  | caaagcccag  | ccaacgctta  | tcgttataat | 2113260 |
| tccagcctcc  | acgcaagcca  | tcgttcaagg  | ttttttcacc  | gtttgcccga  | taatttgccc | 2113320 |
| aataagggat  | attaaaagta  | acctttttgc  | ctactgccag  | atgtttttaca | ggttcaccat | 2113380 |
| actcttttct  | attgcctatt  | tccttagcat  | aatcgaaaga  | attatatcct  | ttagccttca | 2113440 |
| attccggaat  | aattttcagg  | attcgttcgc  | ggaaagagtc  | ccatgatttt  | ctttccggca | 2113500 |
| cgggtccatgc | cacttcggcc  | aaagcaatcg  | cacgcggata  | aagcatatac  | tccatatggt | 2113560 |
| catcggtcgg  | aatatattct  | gcccacaaat  | tagcctgtac  | acccaaaatc  | atcttccgga | 2113620 |
| tatcggtgct  | caaagaatcg  | ggtactggat  | tataagaata  | aaccttattc  | aaaggaagat | 2113680 |
| accctccgat  | tgcttccggc  | tgagaatatg  | gcgcgtcctg  | ataagcgtcg  | aaataacaat | 2113740 |
| actctcccgg  | agtcattatt  | gcatgatgtc  | cggacaaggc  | tgcatcgata  | cctccctgct | 2113800 |
| cgccacgcca  | tgacatgacg  | gtagcgtttg  | gagccaatcc  | tccctgaagg  | atttcatccc | 2113860 |
| atcccaacag  | gttgctgcca  | tggctcattca | ggaaacgttc  | aatacgatgt  | atcaaataac | 2113920 |
| tctgcaattc  | gtctacatct  | ttcaggccct  | cttctttcat  | gcgtttctga  | cacaacggac | 2113980 |
| agggtttcca  | tgaggccttc  | gaagcttcat  | cccctccgat  | atgaatatat  | tcagaaggga | 2114040 |
| agagttccat  | aacctcgggtc | agtacatctt  | cgaggaactc  | gaacgtcttt  | tcatttccga | 2114100 |
| cacagaaatc  | agactgcttg  | cccgggttcgt | gtgtacacga  | cagttccgga  | taggcggcca | 2114160 |
| gcacttcatt  | cgaatgggaa  | ggcatctcta  | tttcagggaat | gatagtgata  | caatgctgac | 2114220 |

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| gagcatattc  | aaccatttcg  | cgaatatcat | cttttgtgta  | ataacctcct  | tgtgcctcgg  | 2114280 |
| gatcggtttc  | ttcgcaatag  | ttagcaccac | tatttagacca | ttctttccat  | gtctttcctt  | 2114340 |
| ttctccaagc  | agcatactga  | gtcagacgtg | ggtatttgtc  | aatagcgatt  | cgccatcctg  | 2114400 |
| ccgcatcggg  | aaggtgcaga  | tgcagtctgt | tgaatttata  | atgtgacaat  | agatcaatct  | 2114460 |
| gttttttcac  | aaaatccttc  | gagcggaat  | ggcgggacac  | atcgagcatg  | ataccacgat  | 2114520 |
| aagggaaacg  | gggttcattc  | aagatttcta | tagcctgaac  | acttcccttt  | ccttgttcag  | 2114580 |
| ccaactgtat  | caggctctgt  | acgccataaa | acaatccggc  | atccgacaaa  | gcttttatta  | 2114640 |
| ctactccatc  | ttttccgaca  | tgcagtgaat | aagcttcagg  | ggatgttact  | ccaccgattg  | 2114700 |
| agtcgaccac  | ctccagccga  | atgcaatttc | catcatcact  | agcagtacca  | aagacaaccg  | 2114760 |
| ggaaagtggg  | ttcagaaaat  | gccgtttcca | taatcttctg  | agcatcctta  | ttgccatcga  | 2114820 |
| aagcaatatg  | cgtatcttta  | ttccactcaa | aggaaccttc  | acaaaaagaa  | tacgaaagag  | 2114880 |
| gctcgggcgt  | aatgccaca   | tcttttttgg | ttgtacagct  | gccagccagc  | aacagaacaa  | 2114940 |
| aagcaacaag  | agacaacaat  | gaaactttca | tatactcatt  | agttttaaata | tatttcatca  | 2115000 |
| accagcagat  | acggggtaag  | tcctgcattc | aaatgccatt  | cgggcatacg  | cttttcgctt  | 2115060 |
| acaaccttta  | tcttgacata  | agtggcttta | caaggctcaa  | acgatagttt  | atgctcggca  | 2115120 |
| atggatatcac | cgtccgaggg  | ctgcatggca | ggataatcct  | gtgaggcaac  | ttctttatag  | 2115180 |
| tttttcccgt  | cgctggaaac  | ggcaaccgag | aatttcttcg  | catcgaacag  | ccatgcatct  | 2115240 |
| tttctgacat  | aaacatgaat  | agtagccgaa | ctcaatgtag  | tttcgccttg  | catatcaatg  | 2115300 |
| acagcttcca  | agtcgttgcc  | ggcaacagct | accacgctc   | cggtatcgaa  | actatgattt  | 2115360 |
| ccacggcgac  | cgtcgaccag  | cactaccgga | ccgtcggggc  | tgaacctttc  | ctgattgggc  | 2115420 |
| tgaagcagct  | tgacagggtt  | cagcgtcgcc | ttattgaaac  | ggatgggtatc | gatggaaatc  | 2115480 |
| ttgctcgtac  | gtgaaggggtg | tacggccatc | gttttcagaa  | tggcatcctt  | atctatcgta  | 2115540 |
| aacggacctg  | tatacttagc  | cgattcttct | gtaggatcct  | gaccgtcgag  | tgtataataa  | 2115600 |
| ataggatcgt  | cggccatggt  | actcaactgt | acgcttagta  | cgtgtttcac  | cgtatcagcc  | 2115660 |
| ttaatatcta  | catttacatc  | gaatacgtga | gtggcatatg  | tccagtcgta  | gcaatcgtat  | 2115720 |
| atggctgtaa  | gccgaggaat  | acgggtcagg | aaatctttat  | aatccttacg  | ggaaggatcg  | 2115780 |
| ctccactgta  | cttctgcaa   | agctcccatg | cgcggaagaa  | tcatatactg  | tacctgactg  | 2115840 |
| aaggaaggaa  | tatattcggg  | ccacagatta | gcctgtactc  | cttttatata  | ttgttgctct  | 2115900 |
| tcctttgtca  | actctttagg  | cataggttca | tagttatatg  | ttttttctat  | cggcaaataat | 2115960 |
| ccaccgatgg  | ccagcggctc  | gtcttctacc | tgtttcgact  | gatagtaatc  | gaaatacata  | 2116020 |
| taagtattcg  | gagtcataat  | gacatcgtga | tgctgacgtg  | cggcttcaat  | gcctccgctt  | 2116080 |
| tctccaatcc  | acgacatcaa  | ggtagcacc  | ggaaccagtc  | ctccttccag  | aacctcggtc  | 2116140 |
| cagccgataa  | tctgcttgcc  | tttttcgttc | agacacttcg  | tggcttccgc  | aatcatataa  | 2116200 |
| ctctgcaaac  | gttcctcttt  | agtatgcttc | gcattcgatt  | tcagccctaa  | cgccttgata  | 2116260 |
| cgtgcctgac  | acttcggaca  | ttctttccag | cgtacttttg  | gacattcgtc  | acctccgata  | 2116320 |
| tgaatgtatt  | ccgacgggaa  | caggtcggct | acttcagaca  | atacatctct  | tacaaactgc  | 2116380 |
| aacgtagaat  | catttcctac  | gcacagcaca | tcattccgata | cgccttcagg  | ttctctcacc  | 2116440 |
| tcatacggtc  | ctcccgtaca  | tcctaactcc | ggataagccg  | taagagcagc  | ctgcatgtgc  | 2116500 |
| cccggcaagt  | caatttcgga  | aataatcgta | atgtaacgct  | tggctgcata  | gtcaatgata  | 2116560 |
| tcgcggattt  | cgtcctgcgt  | ataataaccg | ccataaggag  | ttccgtcgta  | tataaccacta | 2116620 |
| caccagcggc  | ctaccaccgt  | ttccttacgc | tgcgatgcc   | ccgacatcag  | cttgggggtat | 2116680 |
| ttcttgattt  | cgatacgcca  | tccttgatcg | tcggtaaaat  | gccagtgaat  | acggtcgata  | 2116740 |
| ttatgcaggg  | cacacatatt  | gataaaggct | ttcacttcgt  | ctaccgtaaa  | gaaatgacgg  | 2116800 |
| gctacatcca  | acatggcccc  | gcgataggaa | aagcgtggct  | tgtcgtaaat  | ttctactgcc  | 2116860 |
| ggaagactta  | catttatatt  | ctgggcaacg | ggcaaagact  | ttctcaagg   | ctggattccg  | 2116920 |
| taaaagactc  | cagcttcgga  | agctccgga  | atacaaatcc  | gcttgctggt  | taccacaagt  | 2116980 |
| ttataggctt  | ctttattatc  | gtcactcaaa | tcgagcgtca  | gacaaatagc  | accgtcgaca  | 2117040 |
| ggcattccgg  | cccgggggatt | cagtttcagc | cccgtctggt  | tggctacata  | agtcgccaac  | 2117100 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| aattcagcat  | tttcacgcat  | tctttcatta | ttttccggat  | agacgacggt  | aattccatct  | 2117160 |
| tcgagcagaa  | aaggagtact  | tccttcactc | ttcacagtca  | aaggtttagg  | aataacttca  | 2117220 |
| taatcagaac  | ttaatgtttc  | ttttgaagaa | caagagaaaa  | gagtactgga  | cagaaaaaca  | 2117280 |
| cagagcaagc  | tcatgaagct  | aactgaaatt | tctttcatac  | ggtaagataa  | gattttaagt  | 2117340 |
| taaactaaat  | atggtaaaac  | actcctttcg | agtaattacc  | atatacaaag  | gtaaaaataa  | 2117400 |
| aaatcagaga  | aaccgattaa  | ttaattaaat | attttacaat  | acttcggtaa  | atttttaccg  | 2117460 |
| ataaattaaa  | attaaacata  | gaatcggcat | aatccggttc  | aaaattatat  | tcaagagatc  | 2117520 |
| attgaaatac  | tgtcaagaat  | aaatcgtcaa | ggagtaagaa  | aagggatgaa  | aaagatatgc  | 2117580 |
| taaacagctg  | aaaatcaaca  | gaaaaagtat | ttcataattc  | actgattttt  | agtaaattag  | 2117640 |
| aagtacttca  | ccacttttaa  | ttatgactaa | agaatcactc  | cttatgcaat  | accaatccga  | 2117700 |
| gtgcagaaac  | gctctcgaat  | cagctgtaaa | tataagcaaa  | tcttttcaga  | aagtattcat  | 2117760 |
| ggatgcaatg  | aaattattca  | tggctatacc | tgaccgcatc  | aatttcctac  | aaatgggacg  | 2117820 |
| gtatggatgt  | ttctcggaac  | agacataccg | caacaatttt  | gagaacgacg  | gctttgactg  | 2117880 |
| gttttccttc  | aatgaagcca  | tcatacagga | acaccttaaa  | ggtggtcgca  | aggcgatagc  | 2117940 |
| cgttgatccg  | tctttcattc  | caaaatcagg | cagcaaaacg  | ccgtggattg  | gctattttctg | 2118000 |
| gtccggttgt  | gccggtgaat  | acaaacgtgg | actggaaata  | accggtattg  | gagttataga  | 2118060 |
| cgttgacaac  | catgaatgta  | tgactttggg | ctctgtacag  | acacctgaca  | acgcaacgct  | 2118120 |
| ggaaagctgt  | gagaagaatc  | ttgttgactg | gtacagctct  | taccttatca  | gcatacagga  | 2118180 |
| acagctgaaa  | cgtattttctg | gcacagtcgt | gtgtgatgcy  | ttcttttcaa  | aggcaacttt  | 2118240 |
| catcaaacca  | ttgtacgata  | acggtttcca | cgtataaagc  | cgtttcagga  | atgatgccgt  | 2118300 |
| attgttttat  | cccaccttag  | aaaataggac | aggaaaacgc  | ggacgtccaa  | aattacatga  | 2118360 |
| cagaaaaatt  | gactttgaaa  | atctggacat | cacaagatgt  | accgagtaca  | aagtgaacaa  | 2118420 |
| gggtaaaactt | tacggactga  | aagcatactc | caaagcactc  | aaacgctttg  | tgagcctggc  | 2118480 |
| tgtatggtac  | cccatggatg  | gaagaacgga | caaatggcag  | ctgtattttct | ctacaaacga  | 2118540 |
| aatacagaac  | gcacaggatg  | tcctggactt | ttacagaaca  | cgtttccaac  | tcgaattctg  | 2118600 |
| ctttcgggat  | gccaaagcaac | atgccggaat | agcaaactgt  | cagtctacag  | acttcaggaa  | 2118660 |
| actggcattc  | cactttaatg  | catcacttgc | agcgataaac  | ctcgccaagg  | ctgcctgtaa  | 2118720 |
| gaagatggga  | ataaaaatatt | ccatatcatc | atgcaagtca  | gtcatacaca  | atgcttacat  | 2118780 |
| gcttgaacga  | tttattttgcy | tgtctgggat | tgaaccaaac  | acgcaattaa  | ttgacaaact  | 2118840 |
| tttcaaagaa  | ctcattttat  | ttactgccag | agccgcttag  | gctgggctaa  | tttttaacga  | 2118900 |
| actattgatt  | ttaagaatag  | atagtgaatt | attttcataa  | caaaaaagta  | aatcagggaa  | 2118960 |
| aagacatata  | ttaaattata  | aattatccga | aatgcaacaa  | aaataaaaac  | atattggatc  | 2119020 |
| atatccggac  | ctttctccag  | catatagaca | gtttgttaaa  | ggttgtaaag  | cagcatgttt  | 2119080 |
| tttaatgata  | tcgggagatc  | tccgccaaaa | cgtctcgacg  | tttttttaag  | atgtgtacaa  | 2119140 |
| attcttattt  | ttttgttaca  | aatctttaat | gactttccag  | catacaaata  | aaaaagaagc  | 2119200 |
| taaacggtat  | ccgaaaacaa  | ccgcataaaa | agacattacc  | atagccatac  | gattgatttt  | 2119260 |
| caagcagaaa  | cagttgcatc  | ttatcgtatt | tcacataata  | aaaaagcccg  | gaaacattcc  | 2119320 |
| gagctttatt  | ccaattcccg  | aagaaccctt | aatcaatatt  | aaccgtccgc  | cttcaggggga | 2119380 |
| aatatctgta  | tcgacactca  | ataacttctg | tccatgccag  | acatacagta  | ttaacctttc  | 2119440 |
| tttcttttct  | tccaaagtgt  | ccagctattg | attatattct  | gccatacgac  | atagcttccc  | 2119500 |
| ggtgctatcg  | ccgaaaccgg  | attcaggtag | gtacatgccca | tccatattgc  | caggactgta  | 2119560 |
| ttcttctgcc  | ccagtgcctg  | cccaccgctg | atacggctcg  | agtacaaacc  | tccgatgttt  | 2119620 |
| ttcccggccc  | agaactgaag  | gcaacaaacg | acaagggcaa  | aaaatgcaat  | cagaaattct  | 2119680 |
| tcgccgatgg  | aagtatctcc  | ctcgactacc | gacttggtgg  | tctgtcccat  | cacgataatc  | 2119740 |
| aaagccactg  | cccacagata  | aaacgccatg | tctttcagac  | ctaccagaaa  | gcgatgaacc  | 2119800 |
| ggcggacaga  | agcggcgag   | caacacagcc | gtaaagaaag  | ggaacagcag  | caacgggaag  | 2119860 |
| accttgccca  | aaatacgaag  | gaaagattca | ccgaaagcca  | tgtccgaagg  | ctcgaccagc  | 2119920 |
| ggaaaaacca  | gtggtacgat  | aacagcagcc | agcaaattcg  | acagcaaagt  | ataggtagtc  | 2119980 |

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| agtgaagccg  | cgcttccacc | caactttccg | gtaatgacgg | cagcagctgt  | ggctgtagga | 2120040 |
| caaatcaagc  | aaaccatcgt | tccttgca   | gccacgctcc | agtattcatc  | caaaggtaga | 2120100 |
| aaaatcagca  | aagatgctat | tatcacgcaa | gatacgaact | ggataagcaa  | cagccagatt | 2120160 |
| gtccaacgct  | gcggcacaag | ttccttgact | tctaccttgc | agaacgtcaa  | caatagctga | 2120220 |
| gcaaaaataa  | gaaaaggagt | aagccatgct | atcattactt | ttacaacagg  | ctttgtcgga | 2120280 |
| gtcagaaaat  | cgaaagcggc | aaaacagaaa | tagccgatta | ccccgacaag  | catggcaagg | 2120340 |
| ggaagcgtcc  | aattttttat | aaactgtaac | ataaatgttc | tgatttaacg  | aacggcaaaa | 2120400 |
| ttacacaaaa  | cccatgaaac | atattgtatt | tttaattgtt | tttataggcg  | ttatctactg | 2120460 |
| attagttaat  | tcttatcaac | ctaaatgaag | atagagtaca | aaaaaactat  | tacctttgca | 2120520 |
| aacggataag  | ttatatgaaa | aagaatatat | tcaacatact | atatatcatt  | tgtatcttac | 2120580 |
| tgatatccgg  | tcagcccag  | cacgtacagg | ccgcccctca | gaagcgattt  | accgtagtca | 2120640 |
| tcgacgcggg  | acacggaggg | aatgacccc  | gtgcaatagg | tagacgtgga  | cgcgaaaaga | 2120700 |
| acatcaatct  | gaacgttgcg | ctgaaactgg | gccgtcttat | cgaaaacaac  | tgcaacgaca | 2120760 |
| cacgagtcgt  | ttacaccgcg | aagaaagata | catttgtacc | gcttcataca  | cgggctgaaa | 2120820 |
| tagcaaacaa  | tgcaaaagct | gacttgttta | tctcgataca | taccaattct  | gtagcctcac | 2120880 |
| gaagcagcaa  | agtcagtggg | acggaaacgt | atacattagg | attgcaccgt  | acacaagaca | 2120940 |
| atctggaagt  | ggcaaagaaa | gaaaactcgg | ttatcttgat | agaagacgat  | tacaagcaac | 2121000 |
| gttatgccgg  | attcaacccc | aattcggcgg | aaagtatat  | catcttcgag  | ttcctgcaag | 2121060 |
| ataaatatat  | gtcgcaaagc | gtaagttttg | ccacaatgat | acaacaacag  | ttccatcaaa | 2121120 |
| gtgcccggcg  | ggtagacaag | ggagtacatc | aggcgggatt | cctggttctc  | cgggaaacat | 2121180 |
| ccatgcccgag | cgtattgatt | gaactcggat | atattaccaa | tcctacggaa  | gaaacctatc | 2121240 |
| tgctttcgga  | caatggctct | tctgcactgg | caaaaagtat | ctatcaggca  | ttcctcaatt | 2121300 |
| acaaacaacg  | cagccgtaag | agtgaacaaa | gcgtaatgcc | tgccagcgaa  | ccggaagaag | 2121360 |
| acatgatggc  | agaacaacct | gtaccacaac | ctgaaaacat | agaaagtccg  | caaagtcagg | 2121420 |
| aaacaattcc  | tgcaacaaga | ccggtacgca | gtgcttcaaa | ggaaagtcca  | aaacaagaaa | 2121480 |
| cttccaaacc  | ggtattcaag | attcagatac | tgacctccga | cagagttctt  | ccgtcgaaga | 2121540 |
| gcaggctact  | gaaaggactt | tcgccagtaa | gctattacaa | ggaaaatgga  | atttacaat  | 2121600 |
| acacttatgg  | ggaaagcact | gactacaacc | gcatacttcg | cctgaaacga  | aacaaagtag | 2121660 |
| acagcaagtt  | caaggatgcc | ttcatcatag | cattcaagaa | cggagaaaaa  | atgaacatca | 2121720 |
| accaggccat  | cagagaattt | aagaaaaaca | gataataaaa | agaatccaga  | tagatatgag | 2121780 |
| aaaagaagta  | aaaataggtt | tggcaggaat | tgccgcattg | attattctct  | tttgtggagt | 2121840 |
| caattacctg  | aaaggattaa | atatgtttta | accggaaggt | tactaccatg  | tagagtttac | 2121900 |
| cgacattaat  | ggacttgcac | aatccagccc | tgtgttcgct | aatggcttca  | aagtgggtat | 2121960 |
| cgtacgcgac  | atacaataca | attatcagaa | accgggacac | gtagtagttg  | gcatagaaat | 2122020 |
| ggatgaggaa  | atgaaaattc | ctacaggaag | tagtgccgaa | ctgataaccg  | aaatgctggg | 2122080 |
| aactgtaaa   | atgaacctgt | tactgaacca | cgatagtaat | acataattata | atgaaggcga | 2122140 |
| cacactgcca  | ggcgtagcaa | atacaggaat | attgggcgca | gccgaaaaag  | atttgcttcc | 2122200 |
| taaaatggaa  | cagatgctgc | caaagctgga | ttccattctg | ggatcactca  | acaaactgct | 2122260 |
| tgccgaccct  | gccctgagca | aaaccctgca | taacgccgaa | caactgactg  | catcactgag | 2122320 |
| cgcaacaagc  | acacaactga | acagactgat | ggcaacggat | gttcacaaac  | tgaccagcaa | 2122380 |
| cgtaaccgct  | attacagaaa | atctcaagac | gatcagcgat | aattttaaag  | gtattgatta | 2122440 |
| tgcatctact  | ttggctaaag | cagactcaac | ccttcataat | gtatatctgc  | taaccgataa | 2122500 |
| attgaataga  | aaagacaaca | ctttaggact | gctgatgaac | gattccagct  | tatacaataa | 2122560 |
| cctgaatgca  | acaacagcca | atgcagccag | cctgctggag | gatctaaaag  | cacaccccaa | 2122620 |
| acgttatgta  | cacttctctc | ttttcgggaa | aaaggataac | tgattttcgt  | tatatagaaa | 2122680 |
| tattctaaat  | aatcaaataa | gataatctcc | tacgagataa | gataataact  | cgctgatatt | 2122740 |
| caacccaaaag | atattagcga | gttattattc | aaaaagggga | acacaaatat  | ataattattt | 2122800 |
| gagaaacaac  | ttcttgcaaa | ccgacaaatc | tgaacatttt | tcaagatagg  | aaagaacggc | 2122860 |

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| ttgtttttct  | gaaaatagat | tacgaacttt  | gcaagcgtag | aagtttcgct  | ttattaataa  | 2122980 |
| cagattaaat  | atgattgaga | acaatcaggc  | tattgtatta | tggaacggt   | gcttgaattt  | 2123040 |
| cataaaagac  | aacgtgaatg | cgacagccta  | taaaacatgg | ttcgaacctg  | tcgtaccatt  | 2123100 |
| aaaatttgag  | gataaggcct | tgacaatcgg  | agtccccagt | cctttcttct  | atgaatactt  | 2123160 |
| agaagaaaaa  | tatgtgggac | ttttgcgtgc  | cgctatatat | aaggagattg  | gtgagggaac  | 2123220 |
| agaattgatg  | tattctattc | tcaccgataa  | gacaaatcat | atagctattg  | acatgaaagg  | 2123280 |
| gacagagcgc  | tcgtctgctt | tgcccccgca  | gactcctata | cataatgcta  | ataaagcacc  | 2123340 |
| cagcctgctg  | caagctccgg | ctgtacagga  | tctggaccgg | catttgaatc  | caaactataa  | 2123400 |
| tttcgaaaaa  | ttcataaagg | gaaccagcaa  | tgagttctct | agaacagtg   | ccgaaactgt  | 2123460 |
| agctcaaaat  | ccggcacgta | cattcaaccc  | gttgtttttg | tacgggtccg  | cgggtgtggg  | 2123520 |
| aaaaactcac  | ctcatcaatg | ctatcgggtac | acgtatcaag | gaattgtatc  | cggaaaagcg  | 2123580 |
| tgtgctctac  | gtttctgctc | acttgtttca  | ggtacaatat | accgactctg  | tacgtacaaa  | 2123640 |
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| tcaggaattt  | gccggagtta | caaagacgca  | gaatactttc | tttcatatct  | tcaaccactt  | 2123760 |
| gcaccagaac  | ggcaagcaat | tgattcttac  | atccgaccgt | gctcccgtaa  | tggtgcaggg  | 2123820 |
| tatggaggat  | cgtttggtga | ctcgtttcaa  | atggggactt | gtggccgaac  | tggaagagcc  | 2123880 |
| ggatatcgaa  | ttgcgtaaaa | acatcttacg  | tgacaagatc | cgtcgcgacg  | gactggttat  | 2123940 |
| tccggaatct  | gttatctggt | acattgcaga  | gaacgtaaac | gaaagcgtac  | gtgaattgga  | 2124000 |
| aggtatcgta  | aactcactgc | tggtatatct  | tatccagctg | aagcgcgaaa  | tcaatctgga  | 2124060 |
| cttagctcaa  | cgtattgttc | gcaaagctgt  | acgctgcgcc | gagggtcaagc | cgcttactgt  | 2124120 |
| tgacaatatc  | attgaaaaag | tatgcagcca  | ttacaaagta | gacgcttcaa  | cgatccatac  | 2124180 |
| caagacccgt  | aaacgtgaag | tagttcaggt  | acgtcaggtt | gctatgtatt  | tagctaaaaa  | 2124240 |
| acatacagac  | acttcttcat | ccaagattgg  | tcaactcatc | ggtaataagg  | atcatgctac  | 2124300 |
| cgtacttcat  | gcctgcaaga | tagtaaaaga  | tcagggtgaa | gtagacaaag  | cattcaaggc  | 2124360 |
| tgagattgaa  | gaaatagaag | ccagcttgca  | tcaaaaataa | agatgaaaac  | atcggtaccc  | 2124420 |
| gaagaaaaag  | gaaatgtatt | acagctaaag  | attcacattc | ccaacatccc  | ggattatcat  | 2124480 |
| caaattaaaa  | tagaaatcgc | cccctctgaa  | attcaaaata | aatttttgag  | agggcgattt  | 2124540 |
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| cagaacagaa  | aaaagaaata | caaggctgga  | aactgagtaa | tattttttat  | ttatcaaatt  | 2124660 |
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| aacggatatc  | tgtaaaaatc | tgcgctaaag  | tctcggtatg | attgatttct  | acaaactgtc  | 2124780 |
| ggttttcagg  | aagagattct | ttgtaagcaa  | aaatttcatc | tatatcttcc  | ggtgtataat  | 2124840 |
| catgataaac  | ttctttgtgt | ataataccct  | ttatcggcaa | acgatcgggc  | tgagcaggag  | 2124900 |
| attcgtcagg  | gtaaccaacg | gttattgtcg  | caacaggaac | aaccagttcc  | ggcaaatgta  | 2124960 |
| atatatcaat  | tatctgatga | ggattataaa  | tggtagtctc | cagaaaacaa  | gttcccaagc  | 2125020 |
| cattttcctc  | tgcaatcgta | cagaaattct  | gagttaccag | caacgcatcg  | gtcattgcat  | 2125080 |
| tcataaaaga  | aagcagatta | tcgtagcccc  | gctctgcctt | ccgctgacgg  | caccattttgc | 2125140 |
| tgaaacgatt  | gaaatcagca | cagaaagtca  | gaacaaccgg | agcagaagta  | accatcggct  | 2125200 |
| ggttaaaaatg | ggcaggtgcc | aatttagcct  | tcatttccgc | atcgcgagtt  | accactacac  | 2125260 |
| tatacaactg  | catatttccc | atagtcgcag  | cacgaaaagc | tgtttcaagc  | atctcattca  | 2125320 |
| aaagagcagc  | agggatatcc | tgagtcttgt  | atttacgtat | tgtacgtctg  | ttttttatag  | 2125380 |
| aatccataat  | taattttttt | aatttatcta  | caaacaatac | ttcggtaaat  | ttttaccgat  | 2125440 |
| aaattaaaaat | taaacataga | atcggcataa  | tccggttcaa | aatttatattc | aagagatcat  | 2125500 |
| tgaaatactg  | tcaagaataa | atcgtcaagg  | agtaagaaaa | gggatgaaaa  | agatatgcta  | 2125560 |
| aacagctgaa  | aatcaacaga | aaaagtattt  | cataattcac | tgatttttag  | taaattagaa  | 2125620 |
| gtacttcacc  | acttttaatt | atgactaaag  | aatcactcct | tatgcaatac  | caatccgagt  | 2125680 |
| gcagaaacgc  | tctcgaatca | gctgtaaata  | taagcaaadc | ttttcagaaa  | gtattcatgg  | 2125740 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atgcaatgaa  | attattcatg  | gctatacctg  | accgcatcaa  | tttcctacaa  | atgggacggt  | 2125800 |
| atggatgttt  | ctcggaaacag | acataccgca  | acaattttga  | gaacgacggc  | tttgactggt  | 2125860 |
| tttccttcaa  | tgaagccatc  | atcaggggaac | accttaaagg  | tggtcgcaag  | gcgatagccg  | 2125920 |
| ttgatccgtc  | tttcattcca  | aaatcaggca  | gcaaaacgcc  | gtggattggc  | tatttctggt  | 2125980 |
| ccggttgtgc  | cgggtgaatac | aaacgtggac  | tggaaataac  | cggatttga   | gttatagacg  | 2126040 |
| ttgacaacca  | tgaatgtatg  | actttgggct  | ctgtacagac  | acctgacaac  | gcaacgctgg  | 2126100 |
| aaagctgtga  | gaagaatctt  | gttgactggg  | acagctctta  | ccttatcagc  | atacagggaac | 2126160 |
| agctgaaacg  | tatttctggc  | acagctgtgt  | gtgatgcgtt  | cttttcaaag  | gcaactttca  | 2126220 |
| tcaaacatt   | gtacgataac  | ggtttccacg  | taataagccg  | tttcaggaat  | gatgccgtat  | 2126280 |
| tgttttatcc  | caccttagaa  | aataggacag  | gaaaacgcgg  | acgtccaaaa  | ttacatgacg  | 2126340 |
| agaaaattga  | ctttgaaaat  | ctggacatca  | caagatgtac  | cgagtacaaa  | gtgaacaagg  | 2126400 |
| gtaaacttta  | cggactgaaa  | gcatactcca  | aagcactcaa  | acgctttgtg  | agcctggctg  | 2126460 |
| tatggtaccc  | catggatgga  | agaacggaca  | aatggcagct  | gtattttctt  | acaaacgaaa  | 2126520 |
| tacagaacgc  | acaggatgtc  | ctggactttt  | acagaacacg  | tttccaactc  | gaattctgct  | 2126580 |
| ttcgggatgc  | caagcaacat  | gccggaatag  | caaactgtca  | gtctacagac  | ttcaggaaac  | 2126640 |
| tggcattcca  | ctttaatgca  | tcacttgcag  | cgataaacct  | cgccaaggct  | gcctgtaaga  | 2126700 |
| agatgggaat  | aaaatattcc  | atatcatcat  | gcaagtcagt  | catacacaa   | gcttacatgc  | 2126760 |
| ttgaacgatt  | tatttgcgtg  | tctgggattg  | aaccaaacac  | gcaattaatt  | gacaaacttt  | 2126820 |
| tcaaagaact  | cattttat    | actgccagag  | ccgcttaggc  | tgggctaatt  | tttaacgaac  | 2126880 |
| tattgtacaa  | agatacaaat  | aaaaaaataa  | gtatatacca  | atgaaaatat  | aacaatactt  | 2126940 |
| cggtaaat    | ttaccgataa  | attaaaatta  | aacatagaat  | cggcataatc  | cggttcaaaa  | 2127000 |
| ttatattcaa  | gagatcattg  | aaatactgtc  | agaataaat   | cgtcaaggag  | taagaaaagg  | 2127060 |
| gatgaaaaag  | atatgctaaa  | cagctgaaaa  | tcaacagaaa  | aagtatttca  | taattcactg  | 2127120 |
| atttttagta  | aattagaagt  | acttcaccac  | ttttaattat  | gactaaagaa  | tcactcctta  | 2127180 |
| tgcaatacca  | atccgagtg   | agaaacgctc  | tcgaatcagc  | tgtaaatata  | agcaaatctt  | 2127240 |
| ttcagaaagt  | attcatggat  | gcaatgaaat  | tattcatggc  | tatacctgac  | cgcatacaatt | 2127300 |
| tcctacaaat  | gggacgggat  | ggatgtttct  | cggaacagac  | ataccgcaac  | aattttgaga  | 2127360 |
| acgacggctt  | tgactgggtt  | tccttcaatg  | aagccatcat  | cagggaacac  | cttaaagggtg | 2127420 |
| gtcgcgaaggc | gatagccgtt  | gatccgtctt  | tcattccaaa  | atcaggcagc  | aaaacgccgt  | 2127480 |
| ggattggcta  | tttctggttc  | ggttgtgccc  | gtgaatacaa  | acgtggactg  | gaaataaccg  | 2127540 |
| gtattggagt  | tatagacgtt  | gacaaccatg  | aatgtatgac  | tttgggctct  | gtacagacac  | 2127600 |
| ctgacaacgc  | aacgctggaa  | agctgtgaga  | agaatcttgt  | tgactggtac  | agctcttacc  | 2127660 |
| ttatcagcat  | acaggaacag  | ctgaaacgta  | tttctggcac  | agtcgtgtgt  | gatgcgttct  | 2127720 |
| tttcaaaggc  | aactttcatc  | aaaccattgt  | acgataacgg  | tttccacgta  | ataagccgtt  | 2127780 |
| tcaggaatga  | tgccgtattg  | ttttatccca  | ccttagaaaa  | taggacagga  | aaacgcggac  | 2127840 |
| gtccaaaatt  | acatgacgag  | aaaattgact  | ttgaaaatct  | ggacatcaca  | agatgtaccg  | 2127900 |
| agtacaaaagt | gaacaagggt  | aaactttacg  | gactgaaagc  | atactccaaa  | gcactcaaac  | 2127960 |
| gctttgtgag  | cctggctgta  | tggtagccca  | tggatggaag  | aacggacaaa  | tggcagctgt  | 2128020 |
| atttctctac  | aaacgaaata  | cagaacgcac  | aggatgtcct  | ggacttttac  | agaacacgtt  | 2128080 |
| tccaaactcga | attctgcttt  | cgggatgcca  | agcaacatgc  | cggaaatagca | aactgtcagt  | 2128140 |
| ctacagactt  | caggaaactg  | gcattccact  | ttaatgcatc  | acttgcagcg  | ataaacctcg  | 2128200 |
| ccaaggctgc  | ctgtaagaag  | atgggaataa  | aatattccat  | atcatcatgc  | aagtcagtca  | 2128260 |
| tacacaatgc  | ttacatgctt  | gaacgattta  | tttgcgtgtc  | tgggattgaa  | ccaaacacgc  | 2128320 |
| aattaattga  | caaacttttc  | aaagaactca  | ttttattttac | tgccagagcc  | gcttaggctg  | 2128380 |
| ggctaatttt  | taacgaacta  | ttgaatataa  | taaacacgta  | caaaataaat  | agttatacaa  | 2128440 |
| aactgtaaac  | tttaaggga   | tacatcaagc  | actacaatat  | taattatcaa  | ataattacaa  | 2128500 |
| tttaaaaacg  | gaaaacttta  | taatttgttg  | ataacttctt  | tctgttttat  | tttgcaaatc  | 2128560 |
| acaaaaacat  | ctttagcttt  | gtagcagttt  | attattagat  | aaagcgaaac  | tcctacataa  | 2128620 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aagaataata  | aactaatatc  | attaatataa  | aagtggaaaa  | acaaacgtat  | agctatgacg  | 2128680 |
| aagcttacaa  | ggcctcgtaa  | cagtatttta  | atggggatga  | acttgccgct  | cgcgtgtggg  | 2128740 |
| taaacaagta  | tgcagtaaaa  | gattcctttg  | gaaacattta  | cgaaaaatct  | cctgaggata  | 2128800 |
| tgcattggcg  | tatagctaata | gaggtagccc  | gtatcgaggc  | aaaatatcct  | aatgctctca  | 2128860 |
| gttcggaaga  | actttttgga  | ttgcttgatc  | actttaagta  | tatcattcct  | caaggaagtc  | 2128920 |
| cgatgacagg  | tatcgggaat  | gattatcaag  | tagcttcttt  | atctaactgt  | tttgttatcg  | 2128980 |
| gtctggacgg  | atcggctgac  | tcttatgggtg | caatcatccg  | catcgatgaa  | gaacaggtag  | 2129040 |
| aactgatgaa  | acgtcgtgga  | ggcgtaggtc  | atgacctttc  | acacatccgc  | ccgaaagggt  | 2129100 |
| ctccgggtcaa | gaattccgca  | ctgacttcta  | caggtctggt  | tcctttcatg  | gaacggttatt | 2129160 |
| caaactcgac  | tcgtgaagtt  | gctcaggacg  | gacgtcgtgg  | agcactgatg  | ctgactgttt  | 2129220 |
| ctatcaagca  | tccagattcg  | gaagccttta  | tcgatgccaa  | aatgactgaa  | ggaaagggtta | 2129280 |
| caggagcgaa  | tgtttctgta  | aagctggacg  | atgaattcat  | gcaagcagct  | gtagaaaatc  | 2129340 |
| gtacttatac  | ccagcaattc  | cctattgatt  | cggataatcc  | acaagtcaaa  | aaggaaatcg  | 2129400 |
| atgcctcagc  | tttgtggaaa  | aaaattgtac  | acaatgcatg  | gaaatcagca  | gaaccgggcg  | 2129460 |
| ttttgttctg  | ggataccatc  | atacgcaaat  | cggtagccga  | ctgttatgca  | gacctgggat  | 2129520 |
| tccgcacggg  | ttcaactaac  | ccatgtgggtg | aaattccttt  | gtgtccgtac  | gattcttgcc  | 2129580 |
| gattgctggc  | catcaatctt  | tattcgtatg  | tagtaaattc  | gtttactccg  | gaagcctatt  | 2129640 |
| tcgactttga  | gctgttcaag  | aaacatgtag  | cattggcaca  | gcgtatcatg  | gacgacatca  | 2129700 |
| tcgatctgga  | acttgaaaag  | attgaaaaaa  | tcattgaaaa  | gatcgattca  | gaccggaata  | 2129760 |
| gcgaagaagt  | aaagggaaact | gagcgtcact  | tgtgggaaaa  | gattttaccgc | aaatctggct  | 2129820 |
| taggacgtcg  | tacaggagta  | ggtattacag  | ccgaagggtga | tatgctggct  | gccatgggac  | 2129880 |
| tgcgctacgg  | tacagaagaa  | gctaccgaat  | tctctgaaaa  | agttcataag  | accattgcaa  | 2129940 |
| tcgaggcata  | tcgttcttct  | gtcaacatgg  | caaaagaacg  | tggagctttc  | gagatatatcg | 2130000 |
| atgctgcacg  | tgaagcaaac  | aatccattta  | tcaatcgtat  | aaaggatgct  | gatccggaac  | 2130060 |
| tgtacgagga  | aatgaagaaa  | tacggccgcc  | gcaacatcgc  | gtgtctgacc  | atcgctccta  | 2130120 |
| ctggaacaac  | cagtctgatg  | actcaaacga  | cttcaggaat  | cgaaccggta  | ttcatgcctg  | 2130180 |
| tatacaagcg  | ccgtcgtaaa  | gtaaatccga  | atgatgccaa  | tgtacacatt  | gacttcgtag  | 2130240 |
| acgaaacagg  | agatgctttt  | gaagagtaca  | ttgtattcca  | tcacaagttc  | ctcacctgga  | 2130300 |
| tgaaggtcaa  | cggatacgat  | ccggacaagc  | actataccca  | agaagaaata  | gacgagctgg  | 2130360 |
| ttgccaaatc  | tccttattat  | aaagcaacat  | caaacgatgt  | agactggctg  | atgaagggtca | 2130420 |
| agatgcaggg  | acgtattcag  | aaatgggtag  | accattctat  | cagcgttacc  | atcaacttgc  | 2130480 |
| cgaattcagt  | cgacgaagaa  | ctggtaaacc  | gcctgtatgt  | agaagcatgg  | cgttcgggat  | 2130540 |
| gtaagggtg   | cactgtatac  | cgcgacggtt  | cacgcgcagg  | agtgtttatc  | tctacacaga  | 2130600 |
| agaaaaaaga  | tgtccgaaa   | gaagaagact  | gccactgcaa  | accgcctcag  | ataacggaag  | 2130660 |
| tacgtccacg  | tgtactggaa  | gcagatgttg  | tccgtttcca  | gaacaacaaa  | gaaaaatggg  | 2130720 |
| tagctttcgt  | cggactgctg  | gacggtcac   | cttatgagat  | attcaccggt  | ttgcaagacg  | 2130780 |
| acgaagaagg  | tatcgtactg  | ccaaaatccg  | ttacttcggg  | acgtatcatc  | aagagttacg  | 2130840 |
| acgaagacgg  | aaccaagcac  | tacgacttcc  | agttcgagaa  | caagcgaggc  | tacaagatga  | 2130900 |
| caatcgaagg  | tctgtctgaa  | aagttcaaca  | aggaatactg  | gaactatgcc  | aaactgattt  | 2130960 |
| caggcgtgtt  | acgttaccgt  | atgcctatcg  | aacagggttat | caagctgggt  | agctctttgc  | 2131020 |
| agctcgacag  | tgaaaacatc  | aatacatgga  | agaacggcgt  | acagcgtgca  | ctgaagaaat  | 2131080 |
| atgtacaaga  | cggaaaccgaa | gccaaaggaa  | tgaatgtcc   | taactgtgga  | cacgaaacct  | 2131140 |
| tggtttatca  | ggagggctgt  | ctgatctgta  | agacttgccg  | aacatctcgt  | tgcggataat  | 2131200 |
| cttatgaaac  | cgacagcaaa  | catgtatatc  | cacctgaaag  | gcctgaagct  | gtatgcttat  | 2131260 |
| cacgggtgtg  | ttcctcagga  | aaatcagggtg | ggtgcagaat  | acaccatcga  | cttgcgcttg  | 2131320 |
| aagacagact  | tcacacaagc  | ggcggaaacc  | gaccggctgg  | aaggtagcgt  | caactatgcg  | 2131380 |
| gaagtcttca  | acgtgtgtaa  | aaaggagatg  | gagattcctt  | cccaactgct  | ggaacatgtg  | 2131440 |
| gcctggagaa  | tagccaggag  | gctgctggac  | gattttccaa  | caatcagcga  | agttgatatc  | 2131500 |



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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gctctttaca  | agcagaatcc  | tccgatggga | gctgattgct | ctctgggtggg | cgtagaagcc  | 2131560 |
| acttacttca  | gataagaaaa  | acaagctccg | gatggtgaaa | gtaatcgat   | cggttaccag  | 2131620 |
| tcacccatcc  | ggagcttggt  | tcatttatcg | atatatcacg | aagtattaat  | tgtatgtcgt  | 2131680 |
| cagttctcac  | catacaactt  | aaacaatcga | tttttcctaa | agcctgctta  | ccatctatcg  | 2131740 |
| gaaagcaagg  | tcatttcac   | tatttgtaga | gacgattcag | aaaaaacctc  | tgcattgttt  | 2131800 |
| cggaataatt  | gtacaaacaa  | aaattttttt | tgtacaaaaa | ataaccataa  | tacgagtacc  | 2131860 |
| ttctttggga  | aatgacacca  | caccccaaag | aaacttcgcg | gacatctctt  | ataacaatat  | 2131920 |
| ccgagaagta  | ttcataacca  | actacatacc | tcttggtatc | tcataatcct  | ttccagcctc  | 2131980 |
| cgtcgccaaa  | tcgtactcat  | atactttggg | gatgatagga | tactgcggat  | tgattttcctc | 2132040 |
| agacaccagt  | ggttccttta  | ttttagcttg | tacgaacaat | gggttaggat  | tctttcccgga | 2132100 |
| tgcaggtttc  | agcccttccc  | ctttcaacgg | cacatacgaa | cgtagtcgta  | aattacctcc  | 2132160 |
| caagcgagag  | tgaattttgg  | cagcactcag | ctgagcacca | tcccagcca   | tgtcgacaac  | 2132220 |
| aaagcctcca  | cgggcaacca  | gccctttcac | acttcctca  | gcccattgat  | ccggcagtcg  | 2132280 |
| aggaagcaag  | tgcacggctc  | catcgtgact | ctgcaacaac | atctccgcca  | ctccagctgt  | 2132340 |
| aaaaccgaag  | tttccatcta  | tttggaagg  | aggggtgtga | tcaaacagat  | taggatagg   | 2132400 |
| ccgtccttcc  | ggatatttat  | ccttcacctc | atcgttggga | agcaatacca  | ataaattaga  | 2132460 |
| aatcatctta  | tacgcatggt  | taccatcgag | cagacgtgcc | cataaattaa  | ttttccatcc  | 2132520 |
| gatagaccat  | cccgtagcct  | tgtctccacg | ctgcaacaac | gtatttttaa  | cagcctgaaa  | 2132580 |
| aagcaacgga  | tgagtgaacg  | gagaaatctg | attgctgggg | aacaagccat  | aagcatgtga  | 2132640 |
| tacatgccga  | tgccgctctt  | taggatcatc | caagtcctcc | agccattcct  | gcaactgatt  | 2132700 |
| atatcttctt  | atctgcatcg  | gagccatctc | ggaaagcaat | gtcctcaacg  | aatctctgta  | 2132760 |
| ggctgccgga  | tagcctagaa  | tttcagaagc | cgccagcgta | tgactcaata  | catcaaaaat  | 2132820 |
| aatctggtta  | tccatggtac  | aacccgaaac | gatggtagag | gcttttttcg  | tattttctcc  | 2132880 |
| attcggaacca | tgttcgggag  | acatcgaagg | tgccgttacc | ttccatccat  | attcaggatg  | 2132940 |
| aggtatcata  | tagtccagaa  | agaaatcggc | tgcccctttc | atggccggat  | aagattgttt  | 2133000 |
| caagaaatct  | ttatcgccgg  | tgtataaata | atgttccac  | aatgagtag   | tcaaccaggc  | 2133060 |
| accacctacc  | ggccatgtac  | catagaaagc | cttatctacc | ggaccggtaa  | tgcgcaaat   | 2133120 |
| atccgtatta  | tgatgagcca  | cccagccatc | gcagccatac | attgtacgcg  | ctgtttcacg  | 2133180 |
| tccggtcaca  | gccaaatcct  | gtatcaagtg | aaacaaagg  | tcattgagtt  | ccgacagatt  | 2133240 |
| ggtaacctct  | gccggccagt  | aattcatctc | ggtattgata | ttgattgtat  | actttccatc  | 2133300 |
| ccacggagca  | ttcagctgat  | aattccaaat | accttgcaaa | ttggcaggct  | gtcctcctgg  | 2133360 |
| ttgtgaagaa  | gaaatcaaca  | gataacgacc | atactgaaac | attagtgcag  | ccagttcagg  | 2133420 |
| atcatttccg  | cgggtgaaac  | cggcaatacg | cttgatggtt | tcctgtctgg  | ctgctttccg  | 2133480 |
| atctccccct  | ttcagagaaa  | gcaaaacccg | attaaactgc | gactgataat  | agtctgtatg  | 2133540 |
| tgttttcaat  | gctgaaggat  | agtcccgttt | catggcacca | gccagcaaag  | ccgaagcctt  | 2133600 |
| tttactttca  | tttctgtca   | catcgtgata | attgataaaa | ttggttgtag  | cagctatata  | 2133660 |
| caaggtagcc  | gatgtagcct  | gctccacaga | aatagcctca | tccgtcagag  | aaactttacc  | 2133720 |
| accttcggca  | accacctgac  | tctgggtttc | aacttctatc | actcctttca  | ccccttcatg  | 2133780 |
| atcgccctct  | ttgccgcgaa  | gaatcagctt | tttcccttgt | tttctcacct  | tactttgcaa  | 2133840 |
| cggagaagta  | tatccgacct  | taaagttcag | cttaccgggc | tggtcggcag  | tgaaacggac  | 2133900 |
| aataatcaca  | cggctcgggaa | aagaggcaaa | cacctcacgc | tgaaaattca  | ccccgtccac  | 2133960 |
| ctgataacga  | gtcgttgcta  | cggcccgtc  | caaactgagg | tcacgatagt  | aatttatcgc  | 2134020 |
| tttttcatgt  | cccgggtgtt  | caatcaccaa | actcccgatt | gtctgataag  | gcataccgtt  | 2134080 |
| ccgccccgta  | taaaatgtct  | ggtcaatcaa | gttctgtgcg | tccattgtct  | ttcctgcaaa  | 2134140 |
| aatcagcttg  | cgtacctcat  | tcagactctc | caacgccttc | ggattgtcgt  | ttctgtacgg  | 2134200 |
| tccgcctccc  | caaagcggtt  | cttcattcaa | ctgcaattcc | tcgtgcgaag  | ttcctccata  | 2134260 |
| taccattgcc  | cccatcgaag  | agtttcctac | gggcagtgcc | tctaccacg   | tttttgccgg  | 2134320 |
| ttgctgatac  | cacagcttca  | aattttgtgc | ttgtaccgga | aacatgatgc  | agatacatgt  | 2134380 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| gtagttaaaa  | gattactggg  | atacaacccat | ttaaataatgt | tttacgtcac  | aaaagcaagc  | 2134500 |
| aaataaaaac  | tacctggatc  | ttcgtttttc  | accaacgcaa  | atccaggtag  | ttactattct  | 2134560 |
| gaaaaccaa   | taattatcaa  | gagccaatct  | tatcgggtctg | ttataggaac  | atatacctacc | 2134620 |
| tcttcaagca  | cattcttgta  | tgccggacga  | atgatacgac  | gtccctcgaa  | attcaattcc  | 2134680 |
| tcgatgcggg  | gtgccgtcca  | tcctacgata  | cgtgccatgg  | caaagagcgg  | cgtatatatc  | 2134740 |
| tccatcggaa  | gtcccatcat  | ctcgtagata  | aaaccggaat  | agaaatcgac  | gttcgagcaa  | 2134800 |
| acctgtttct  | ttgtaccctt  | cactttcttg  | aagcattcga  | tggcacgctg  | ctccagcagt  | 2134860 |
| tcgaggaaaag | cgaattcttt  | ttcgcacccc  | ttctcggcaa  | ccagttcact  | cgccagctcc  | 2134920 |
| ttcagaagta  | cagcacgagg  | gtcagaaatg  | gtataaacag  | catgtccgat  | accataaatc  | 2134980 |
| agcccacttc  | cgtcgtatgc  | ctccttacgt  | aacatacgca  | tcaggtagct  | atctattttca | 2135040 |
| tctacgttcg  | tccagtcgga  | gataacctcc  | ttcagggtgat | ggaacatctt  | gacaacttgt  | 2135100 |
| atattcgcac  | ctccatgcaa  | aggacctttc  | aacgagccga  | tgcttgccgc  | aatactggag  | 2135160 |
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| ccgtgttctg  | cctgaagtac  | caacagcaaa  | tcgagcatat  | gagcctccaa  | aggtgtatag  | 2135280 |
| tctctcttta  | tcatgtaaag  | gaagtctctg  | gctatcgaca  | ggttttcgtg  | cggatgacgg  | 2135340 |
| atatgaagcg  | aacgtccatg  | aatactatga  | cgatagatat  | tgtacgcata  | agcaataatg  | 2135400 |
| gtagggaact  | tcgatatcag  | ttcgatagac  | tgacgcatca  | ggttatcgcg  | tgaaatatcg  | 2135460 |
| tccggattgg  | gatcgaaagt  | atacatctcg  | agcacacttc  | gtgccagaat  | attcatgatg  | 2135520 |
| ttctgtccct  | ccaggctgat  | gatattcatg  | gttgtcttct  | tgtcgagcgg  | catattgtcg  | 2135580 |
| tttatcagct  | ctttgaaagc  | atctagttgc  | tcgctgtcgg  | gcagttctcc  | cgaaagcaac  | 2135640 |
| aagtaagcaa  | cctcctcgaa  | gccgaaacgt  | ttttctctca  | gcagggcgtg  | ggcaatgtcg  | 2135700 |
| tccagatcat  | atcctctgta  | aaacagtttt  | ccgggaatag  | gtttcagttc  | atcttccgta  | 2135760 |
| cgttcatatc  | ccaccacatt  | accaatcttg  | gtcagtccta  | cgagaacacc  | cgttccgtct  | 2135820 |
| tcattacgca  | atccgcgctt  | cacgttgatg  | ttcgtgaaaa  | gctcattgtc  | tatccggcat  | 2135880 |
| gcctgcttgg  | cacactccga  | aagtttatat  | acgatataat  | cttttttcat  | gtcgatacgt  | 2135940 |
| tcttttgatt  | acaatgattc  | aaccacacgc  | tgtccgaatt  | ccttcgtacc  | caaagctttt  | 2136000 |
| ccgttgggca  | taaagcgtgc  | cagatcggcc  | gttgccctctc | ctgcttcaaa  | caactgttcc  | 2136060 |
| agagcattgg  | taatgagcgc  | agctgcttct  | ttccatccca  | aatactccag  | catcatgaca  | 2136120 |
| gacgacagca  | acaacgagca  | gggattcacc  | acattctttc  | cggcaatatc  | gggtgccgtg  | 2136180 |
| ccgtgagtag  | cttcgaaaat  | ggcatgtccc  | gtcaggtaat  | tgatattggc  | tcccggagcg  | 2136240 |
| attccgatgc  | cacctaccat  | ggcagccagc  | tgatcggata  | tataatctcc  | gttcaggttc  | 2136300 |
| aggggtggca  | taaccgaata  | ttcttccgga  | atgagtaacg  | tattctgcaa  | gaaagcatcg  | 2136360 |
| gcaatgcaat  | ccttgatgaa  | aacttttctt  | gtattcatcg  | catcggccaa  | tgacgctttc  | 2136420 |
| gcagattctt  | cacctaaatc  | cttctttaac  | tgattgtact  | ggttcatcgt  | aaacgtacgg  | 2136480 |
| tcggcaaaact | ccgtttctgc  | tacttcgtac  | ccccagcgtt  | tgaaacctcc  | ttcggtaaat  | 2136540 |
| ttcatgatgt  | ttcccttggtg | caccagtgtg  | accgaaggca  | atztatgctg  | caacgcatac  | 2136600 |
| aaaatagctg  | cacgtaccag  | acgtttgggt  | ccttctaccg  | atacaggctt  | taccccgaac  | 2136660 |
| gatgacgttt  | cggggaaacg  | tactttcttt  | acacccattt  | catcgcgcag  | aaaagcataa  | 2136720 |
| aacttcttcg  | cttcggggagt | accctgttcc  | cattcgatgc  | cggcataaat  | atcttctgta  | 2136780 |
| ttctcacgga  | aaatatgcat  | atctactttt  | tccggttctt  | tgacggggaga | aacgactcca  | 2136840 |
| cgaaaccagc  | gtaccggacg  | caggcagaca  | tacaaatcta  | gcgtctgacg  | caaagccaca  | 2136900 |
| ttcagcgaac  | ggattcctcc  | ccctactgga  | gttgctcagag | gccccttgat  | gcctatcaaa  | 2136960 |
| tattcacgga  | aagcatccat  | cgtagcttcc  | ggcaaccatt  | caccgggtctg | ttcgaatgct  | 2137020 |
| ttgccacctg  | ccagcacttc  | tttccattcg  | atggagcgtt  | taccgctgta  | agccagctta  | 2137080 |
| acagcttcgt  | ttacaatctg  | ctgacacacc  | ggagttatct  | ccgctcccac  | tccatcacct  | 2137140 |
| tctataaaaag | gaactgttac  | acagtcgggc  | acaatcagcc  | gaccgtcttg  | catatagacc  | 2137200 |
| ttactcataa  | tctttttatt  | gttttttgaa  | tgtattcagg  | gcacacccta  | ctttaaacca  | 2137260 |

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| atgtttcacg  | attacctgca  | acggttttcc  | cggagcaaaa  | ccatccagtc  | ccacaaccga  | 2137380 |
| aaggagatcg  | tgttcctgta  | tcttggtgta  | atcgtcttta  | tttgtaaagg  | taagcgccag  | 2137440 |
| cataccttgc  | tttttcaggt  | ttgtttcgtg  | aatgcgggca  | aaactcttgg  | ctagaattac  | 2137500 |
| gcgcacattc  | aggaagcgag  | gttccatggc  | tgcatgttca  | cggctcgaac  | cttctccata  | 2137560 |
| gttttcctct  | gccaccacga  | tagaaggaat  | gccttttgcc  | ttatattgct  | ttgccacact  | 2137620 |
| cgaaacggct  | tcatactcgc  | ccgtcagttc  | gttccacaca  | ctattggtct  | tgccattgaa  | 2137680 |
| tgcgtttaca  | gtcccatca   | gcatgttgct  | ggaaatgttt  | tcaagatgcc  | cacggaaacg  | 2137740 |
| gagccacggg  | cctgccattg  | agatatgata  | ggtcgtacat  | ttaccctgtg  | tttttatcaa  | 2137800 |
| caacggcaca  | tctgtcagat  | cctttccatc  | ccacgccgca  | aaaggagcca  | gcttctgtaa  | 2137860 |
| gcgcttcgaa  | tcgggagcaa  | ttgatacttc  | tatatctttt  | ccgtcggcag  | ccggagctac  | 2137920 |
| atatccgttg  | tcgtctaccg  | taaatccctt  | acccggcagc  | gtttctccta  | caggtgcata  | 2137980 |
| cagtctaacc  | tgctcacctc  | tttcattggg  | cagtgaagtc  | gtcagcggat  | tgaagcacia  | 2138040 |
| atcacctgct  | atagccagtg  | ccatagccag  | ttccggcgaa  | gcgacaaacg  | catgcgtatt  | 2138100 |
| cgggttcccc  | tcggcacgct  | tggcaaagtt  | tcggttaaag  | gaagtcacga  | tagagttggc  | 2138160 |
| acgcagcggg  | tcacccgtca  | cacgcttcca  | ctgtccgata  | cacggaccac  | aggcgttggg  | 2138220 |
| cataatcaca  | ccacctaccg  | cctcgaagtc  | ggctatcata  | ccgtcacggt  | tcgccgtaca  | 2138280 |
| ataaatctgt  | tccgaacccg  | ggttgatgat  | taactgagca  | gccattttca  | gtccttttagc | 2138340 |
| cttcacctga  | cgcgccaatg  | aagcagcacg  | gctcaaattc  | tgatacgaag  | agttcgtaca  | 2138400 |
| cgcgccaatc  | agtcaccatt  | ccatgcgctg  | cggataaccg  | tttgacgca   | ccttttccgc  | 2138460 |
| aaattccgag  | atcggacatg  | ccgcacggg   | cgtaaacgga  | ccattgatata | acggttccaa  | 2138520 |
| cgtagacaaa  | tcgatgtcga  | taattctatc  | gtaataggcc  | tccggatgag  | cttctacttc  | 2138580 |
| cgcactctgc  | ttcagataca  | gcgcatttcc  | cgaagccatc  | agtgccactt  | ccttacgtcc  | 2138640 |
| tgtagcacaa  | agatattttt  | ccatttcctc  | gtcatagggg  | aaaatagagg  | tcgtagctcc  | 2138700 |
| tacttcggca  | cccataattac | agatagtagc  | ctttcctgta  | gcagacagag  | aagctgttcc  | 2138760 |
| ttctccaaaa  | tattctataa  | tagcattggg  | agcacccttt  | accgtaagta  | tacctgcaa   | 2138820 |
| cttcaagatg  | acatctttcg  | gcgaagccca  | gccgttgagt  | ttaccctgca  | gacgtactcc  | 2138880 |
| gatgagcttc  | ggcatcttca  | attcccactc  | cataccgggtc | atcacgtcta  | ccgcacgggc  | 2138940 |
| acctcctact  | ccgatggcaa  | tcattcccag  | accaccagca  | ttgggagtat  | gcgaatcggg  | 2139000 |
| tccaacaatc  | attcctcccg  | ggaaggcata  | gttttccaac  | acaacctggg  | gaatgatacc  | 2139060 |
| tgctcccggg  | ttccaaaagc  | cgatatgata  | tttcgaagca  | acacttttca  | agaaatcgta  | 2139120 |
| tacttcctta  | tttgtttctt  | tggctaccgg  | caagtcttcc  | tttaccctcc  | gatatgcctg  | 2139180 |
| aatcaagtga  | tcgcaatgta  | ccgtagccgg  | aaccgcagaa  | caatccttgc  | ctgagttcat  | 2139240 |
| aaactgcaac  | aatgccattt  | gtgccgtagc  | atcttgcatg  | gtactctgtg  | ccggacgaaa  | 2139300 |
| gtttacataa  | tcctctccac  | gacgaaaagc  | agcggcagta  | cccgcacatc  | acaagtgggc  | 2139360 |
| atacaaatatc | ttctccgcca  | aagtcattgg  | cttacctaata | ttcacacgtg  | cagcatctac  | 2139420 |
| atgtactgca  | tacgacgcat  | aaaagcgttt  | cagcatctca  | atgtcgtaaa  | ccattctgtc  | 2139480 |
| ttccttttcta | ttttacctta  | ttttttgtgt  | cacaaacata  | tagaaaatat  | tttcaactat  | 2139540 |
| caacaaaatc  | gcaacaaatt  | cattcattttt | gacagaaaat  | cacctaacat  | tgcataatta  | 2139600 |
| taacataaag  | aaaacgactc  | cagccaaaaa  | ctttccgata  | ttcttacaat  | cacctttccg  | 2139660 |
| atgcaagaac  | cccacatcct  | gaaaaaataa  | atacacgaac  | acacagactt  | cgtagataat  | 2139720 |
| cactatcttt  | gcccataaat  | catgggtgata | tattaatatg  | agtaaaactga | aaaaaacatg  | 2139780 |
| ggagtatatc  | cgtcagcata  | aatatctaat  | tactataatt  | gtttttttgc  | tgatcatcgg  | 2139840 |
| agtattggac  | gaagagaata  | gtctgataca  | acgttttttcg | cactggcgcg  | agatccgtac  | 2139900 |
| actgaaaacg  | gagatacaac  | attaccgcaa  | gcagtacgaa  | agagatagcc  | gtgagctgaa  | 2139960 |
| agagctgact  | tccaatccgg  | aggaactgga  | aaaggtagcc  | cgtgagaagt  | atctgatgaa  | 2140020 |
| gaaagaaaac  | gaggatattt  | atatttttga  | agaagatttg  | aaaaagaaca  | aggatgaata  | 2140080 |
| aatactattc  | tgcatagct   | accgtagggg  | cggtagtttt  | attgctggga  | gcagcgttac  | 2140140 |

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| atgtacaggt | catgagcggg  | tacgaaggca  | aaaatatcgt  | tatccgtcgc  | ctgcgtcgcc  | 2140260 |
| agcaaattat | cggagccatt  | ctgctggtgg  | tagccggagt  | gatgatgata  | ctctggaaac  | 2140320 |
| gaaacgaatg | ggttgcattg  | ctgacaattg  | ctgccgttct  | ggaactgtat  | acagctttcc  | 2140380 |
| gtatacctca | ggaagaagaa  | aaagaaaaga  | aacattgata  | tatcccaaaa  | aacgccggga  | 2140440 |
| caaatcatcc | aattcgtccc  | ggcgttttct  | tttattttctc | gccacatttt  | ttattttcatc | 2140500 |
| accatgtttt | ttcagaaaca  | tgtatcgtgt  | cagcgtacga  | tggtcatttc  | gtctatcaga  | 2140560 |
| tgcttggcgc | cggcatattt  | atcgatgaca  | aacaatacat  | agcgaatata  | gacacaggct  | 2140620 |
| gcacgctgca | actgcggatt  | ataggcaata  | tcgccagtcg  | gaccttcata  | gttgcggctg  | 2140680 |
| aagccgacac | ctatcagctc  | accttttgca  | ttgaagactg  | gagaaccaga  | attaccaccc  | 2140740 |
| gtgttgctcg | ttgccgttac  | aaagcataca  | ggcatccgtc  | cgctcgggcat | ggcatacggg  | 2140800 |
| ccgaaatcct | tcttctcata  | caattccttc  | aacttgggag  | aaaccacgaa  | ctccggattg  | 2140860 |
| tctggatctt | ctttttccat  | gactcccttc  | aaggtggtat  | aatacaataa  | ctccttaccg  | 2140920 |
| tcggcaggtt | cgtacgaacc  | aatctttccg  | taagtcagtc  | gcaaggtaga  | gtttgcgtcc  | 2140980 |
| ggataaatgg | ccttaccttc  | cttctgcttc  | agagccaaca  | taccggcaac  | ccatgtcttg  | 2141040 |
| tgcgcacggg | tataggcatt  | cgtttctgct  | ttcatagcct  | catccatagc  | cttgtaacct  | 2141100 |
| tctttcaccg | acttggcata  | ttgcaccatc  | gggtcattct  | tcagttttcc  | ggcattagga  | 2141160 |
| tttttcagga | aagcagccag  | agcctcagga  | ctccggaaga  | ttgacttgct  | aaagcaagcg  | 2141220 |
| tcgacaaaag | catcgggtatt | gccaccgaat  | ttgtcatcta  | tcagcttgaa  | gatgctgata  | 2141280 |
| cggtgtccgg | caggaatcag  | ttgtgcgtac  | agagcaatca  | gttgcttgga  | aaccttgccg  | 2141340 |
| tcgactgccg | tactataatc  | tttatttaaag | aatttctttc  | cctgttcgtc  | taacgcagca  | 2141400 |
| acagctgctt | ttatgccttt  | tgggtcattc  | ttctccaacg  | aagcaagcaa  | cttatccgtg  | 2141460 |
| tcaggaatct | tcgaaaattc  | ggtacccagc  | atcaacgctt  | catagatagc  | ctgttgatga  | 2141520 |
| tataccgcat | cgtgacgttt  | ggcaacaatc  | tgcttgatcg  | tttcgtatgc  | ctgacgatag  | 2141580 |
| ctgtcattac | ccgtttcttc  | gccgaaagcc  | agcagacgtt  | tctgttcatc  | tttcttgccg  | 2141640 |
| tcgagtactt | tcagcgatac  | aagtccttca  | ttcatgccga  | tagcattctt  | ccagtaattg  | 2141700 |
| gcagaagaag | catacttggc  | tgcatactgg  | atacgtgtct  | tggcatcctt  | tgccattttc  | 2141760 |
| tcacccagca | ctcgcagacg  | gactccgcgc  | acggtatcac  | gcataaagtt  | ggtagtctgc  | 2141820 |
| atacgttcct | ccacctcatc  | gctgatcatg  | taacgccagt  | tacgtccggg  | aaatcccatt  | 2141880 |
| acaaaagtaa | aatcgccttc  | ctttatgccg  | cccatgttga  | tggtaagatg  | tttctttacc  | 2141940 |
| ttcagcggaa | cattatcggc  | tgcatagttg  | gcaggctttc  | cgctccttcga | cgcataaatg  | 2142000 |
| cggaagatag | aaaaatcgcc  | gcaatgacgc  | ggccacatcc  | agttatccgt  | atcggctccg  | 2142060 |
| aactttccga | tagaagaagg  | aggagcacc   | accatacgaa  | tatctttata  | caccgttttg  | 2142120 |
| acaaacaggt | aatacttggt  | ggctccgtag  | aacggcttca  | gttcgagaac  | ggtaaaatcg  | 2142180 |
| tctgtcttga | tattttcttt  | cttggcaaaa  | cgctcggcaa  | ccgtcgacaa  | gtacgaagga  | 2142240 |
| gaaaggtaat | tcaatccttc  | cggatcatca  | tcctttttca  | attgttctctg | cacatagtcc  | 2142300 |
| gtcacatcga | gaatacggtc  | gataaacgta  | atggtcagtc  | cctcacaagg  | aagttctttc  | 2142360 |
| gcacggctca | tcgcccagaa  | gccatcggtc  | agataatcgt  | gttccaccga  | actgtgctgc  | 2142420 |
| tggatatact | gatacccaca  | gtgatgattg  | gtcagcacca  | gtccttcgga  | agaaacaacc  | 2142480 |
| tctccggtac | atccaccccc  | aaaatgcaca  | actgcatctt  | tcaggctgat  | actgtcggga  | 2142540 |
| caatacacct | tgtcgatgct  | gatatccaga  | cccagatcct  | gcatgacggc  | agcattctgt  | 2142600 |
| ttcttcagat | cggtcagcat  | ccacatgcc   | tcgtcggcat  | atccggcgag  | agagcatgcg  | 2142660 |
| gcaagcatgg | aaaataataa  | ggttttcttc  | attattcaac  | gatagtcatt  | tcgtcgatca  | 2142720 |
| ggttcttgca | accacccagt  | ttctcgacga  | tgaataatac  | ataacgaata  | tctacggcaa  | 2142780 |
| tacaacgctg | gaggttggtg  | tcgaagttga  | tgtcacctga  | aagtgattcc  | cagtttccgt  | 2142840 |
| cgaaagcagc | accaatcagt  | tcgccgttgc  | cgttcagcac  | cggagagccc  | gagttaccgc  | 2142900 |
| cagtaatatc | gttggtagtc  | aggaaacaag  | tcggcatctc  | accgttaggc  | aatgcatagc  | 2142960 |
| ggccgaagtt | cttcgtagca  | tacaactctt  | tcagtttagc  | aggaacaaca  | aattccggat  | 2143020 |

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| catccttcgg | atcgtacgat  | ttcacattac  | cataagtcag  | acggattgta  | aagtttagcat | 2143140 |
| ccggagcttt | cggagtcgga  | gcatacattt  | cgcacaaacc  | gcgtacgtaa  | gtcttgtgca  | 2143200 |
| acaagtcgat | gtcaccgctt  | acagcactgt  | atctttctct  | caacttctgc  | gccatgtcgt  | 2143260 |
| tcttgcttga | cgaataactgg | atagccaggt  | cattgtcgtat | agcctctacc  | gtaggattgc  | 2143320 |
| tgatgaacgc | attgaagttc  | ttttcattag  | agaagatact  | gttatcgtac  | aaagcatcga  | 2143380 |
| tataagcatt | gtaatcacct  | ttgaacttcg  | tctggatagt  | ctgatagaat  | gcaggcagtg  | 2143440 |
| cgtcggccgg | aacactcttt  | gcgtacaacg  | gaatcagcac  | cttggaacc   | ttgcatcta   | 2143500 |
| cttcgtggtc | gtagtcctta  | ttgtggacat  | ctgcgtaagc  | ttccttcagg  | ctgctgatag  | 2143560 |
| cattttcaat | atctttcttt  | ttgtttttct  | ccagtgcctg  | cttcaagttg  | ttgaacaaca  | 2143620 |
| tgtaagttgc | accaaactcg  | ataccacttc  | tgaacgtttc  | gctgaagtaa  | accatctctt  | 2143680 |
| tcgtaatcgg | agtagccttc  | tgaacatact  | cgtcaatctg  | gctcaccacc  | ttggcatagt  | 2143740 |
| cggcattggt | ctgtgctttg  | gcaaactgag  | caaacttagc  | ttcctgttca  | gcctttgctt  | 2143800 |
| cgagcacctt | attatcgata  | atagccttgt  | tcataccgat  | agagtttttc  | caatagttgc  | 2143860 |
| tggaagaagc | aaacttgctt  | gcgtactgga  | tacgtacctt  | gtcgctagca  | gccatctcct  | 2143920 |
| tacgcaacac | gttctggcga  | gcttcacgta  | cttcgatagc  | aggaatattc  | gtaccttcca  | 2143980 |
| tacgcatcac | cacttcgctc  | cgggtcaggt  | aacggctggt  | acttcccggg  | aatcccataa  | 2144040 |
| tcatggcata | atcgcccttc  | tgcaagccct  | tcagcgagat  | agccagggtg  | ttcttcactt  | 2144100 |
| tcagaggcac | attgtcggca  | ctatattcag  | ccgattacc   | atccttgctg  | gcataaatac  | 2144160 |
| ggaacattga | gaagtcgcat  | gtatgacgcg  | gccacatcca  | gttgctcagtt | tccccaccga  | 2144220 |
| acttaccgat | tgacgaagga  | ggagcagcaa  | ccatacgtac  | gtcgctgtat  | gtcttaatga  | 2144280 |
| agaacagata | aaatctgtta  | ccttcgtaga  | aaggcagcgc  | ttcggcagaa  | attcccggct  | 2144340 |
| tacctttcaa | gtcactcttt  | ttcaattctt  | cagaagcaag  | tttatccaga  | tactctgcac  | 2144400 |
| cgaaagaatt | tatttcagtt  | accttacctt  | ccttaatatc  | ctgattaacc  | ttatcgggtca | 2144460 |
| catccacgat | acgctctaca  | aacttaaaag  | tcagtcccgg  | agtaggaagt  | tcttcggcac  | 2144520 |
| gacttttagc | ccagaaaccg  | tcagtcagat  | aatcatgttc  | taccgagcta  | tggtgttgga  | 2144580 |
| ttgcatcata | accacaatga  | tgattagtca  | gaataagtcc  | gtccggagag  | ataatttcgc  | 2144640 |
| ctgtacatcc | acgtccaaaa  | attcccacag  | cgtctttcag  | tgtcacactg  | ttcgggctat  | 2144700 |
| aaatatcggc | aatatccatt  | ttcaagcctt  | gtgctttcat  | tcggtcggca  | aggttctgct  | 2144760 |
| ccttcatcat | ctgaagaagc  | cacattcctt  | cgtcggcttt  | caccgggtgaa | aaggctgcac  | 2144820 |
| aaatcagtg  | aaatgcta    | actttgagtt  | ttttcattgt  | tgtgatattt  | aaataaatta  | 2144880 |
| taattgaatc | tatcccatta  | tttgcaaata  | gtcagcaaag  | ataaataaaa  | atacgtttta  | 2144940 |
| cgtatcttaa | atcagtaata  | ttcctctatt  | tagtttaaat  | tttgataatt  | tattttcacg  | 2145000 |
| acattttcta | acattatacc  | tttggttgag  | aattttctaa  | ggcttattgc  | atgtatagat  | 2145060 |
| tttatttttt | tctcttttgt  | gccatcatct  | gcgcttcatg  | cggaaagaaa  | tataagatag  | 2145120 |
| agggtatttc | ttctgtatca  | aaactggatg  | gaaaaatgct  | ttttatcaag  | gtaccttctg  | 2145180 |
| gcgacaagct | ggtaaaccatc | gactcggccg  | agggtggtaca | cggaaatcttc | aaaatgaaag  | 2145240 |
| ggaaagtaga | ctctacggtt  | atcgccctcac | tttacctgga  | cgacgattgt  | atcatgccgg  | 2145300 |
| ttgtgataga | agaaggaaat  | atcaatatca  | atatcgacaa  | gtcgggcttt  | tccatcaaag  | 2145360 |
| gaactccact | gaatgatagc  | ttcaacgaat  | ttatcgtgaa  | aaagacttca  | ctagaagacc  | 2145420 |
| gtgcctatga | ggtggaaaga  | atggaaagcc  | gtatgattat  | ggacggaaaa  | gatccgaaat  | 2145480 |
| tcattcagga | agaaatggag  | aaacagcgta  | gtgactggg   | taaggacatg  | gacgaacttg  | 2145540 |
| ccaaaatctt | catcgaagaa  | aactacgaca  | atgtactcgg  | agcagggtgtc | tttctgatgt  | 2145600 |
| tatgcaacgg | cttcccttat  | ccggtactca  | cacctgtcat  | ggaagaaatc  | gtaaacaacg  | 2145660 |
| ctcccgaatc | gttcaagaac  | aatccgatga  | tcaaggaata  | tgtttcggta  | gcacgcagca  | 2145720 |
| acatggataa | gttgagggt   | gtgcagtaac  | ttcttcagga  | aataattaca  | gcagatcctt  | 2145780 |
| tagaaaaata | atgacaacat  | actcagaact  | tgataagggt  | taagaggccg  | tctcaaaata  | 2145840 |
| gaattgcaaa | agtaaaaaatc | ttatagatta  | aaacttagaa  | gtaaaaaaat  | ctcctacttt  | 2145900 |

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| agattataaa  | taagcctatc  | tcagcttttt  | atthttgatat | agcctctttt  | gtacaaattc  | 2146020 |
| ctaaaatatt  | tcgataaagg  | ccggcagatt  | tcaagaaata  | atgcagctca  | ttttcttcag  | 2146080 |
| taaacggcat  | atthttacccc | ctttacctgc  | ttgtttcgct  | tcacgaggag  | ctttccgaac  | 2146140 |
| acggaacaaa  | gagataaagg  | gggtaaaacg  | tttactggtc  | aggattctcg  | atcttgccct  | 2146200 |
| tatatthttc  | gggaaggctc  | ttttcgatgg  | ccttgatga   | ttctgtcatc  | agcatgtgga  | 2146260 |
| ggttctcctc  | acctttctta  | cccagcggat  | aatcgggttc  | gtggatggtc  | agcttcacgc  | 2146320 |
| gatgccagt   | aagcagctta  | cccgtacggg  | gaagaatata  | gaaagaccgc  | tctatcgtca  | 2146380 |
| acggaacgac  | aggcaactga  | agctggctcg  | caagcaggaa  | ggcacctttc  | ttgaagtttg  | 2146440 |
| ccatgtgacc  | ggtaaaggta  | cgtgctcctt  | caggaaatac  | gaccaatgaa  | gttcctcctt  | 2146500 |
| gaagtacctt  | ttctgcaccc  | tttatggttt  | catagacttt  | tcgtgggctg  | gacttgctga  | 2146560 |
| caaagatgaa  | gcctgccgac  | tcgcatgcct  | tgccgacaaa  | cggaatttta  | cgaaggcttt  | 2146620 |
| tcttcatcat  | ccatttaaa   | ttacgtccca  | gaaagccgta  | taccagaaaa  | atatcgaatg  | 2146680 |
| atccctgatg  | attggccacg  | aatacatatc  | atgttttctt  | gtccaaatgt  | tcgtgccctt  | 2146740 |
| tcactttaac  | cggaagcaaa  | aacaggaaac  | aagtaagctg  | tgaccacagc  | tttccgggat  | 2146800 |
| aataccccc   | gaaatgaccg  | tccccagcc   | agcagccag   | catggtagtc  | agggcagtc   | 2146860 |
| gtatggttgc  | taccagaaa   | atgggcaacc  | caatgcagat  | ttgatagata  | atgtataaaa  | 2146920 |
| atctcattgc  | ttattatagt  | ttataaatta  | ttatttcttg  | cgtaaagtaa  | tgaccgttat  | 2146980 |
| ctccggccat  | gctcccagcc  | tcataggaaa  | caacacatac  | cccagtcgga  | tattgacata  | 2147040 |
| gagtcgcga   | ccgtcttgca  | gatacagacc  | tctgtattcc  | ggataaataa  | agcgggaaaa  | 2147100 |
| agaaaactcg  | aataaattga  | cctgcataatc | gtgcgtatgt  | cctgccagca  | tcaactggat  | 2147160 |
| atcggtatcc  | ggcagtagc   | ttctacgcca  | gtgagtggga  | tcgtgactca  | gcagtacctt  | 2147220 |
| aaacatacct  | tccgtacctt  | gctgtgccc   | aggcaaactc  | ccccggctcg  | gaaaaggagg  | 2147280 |
| ccggccgctg  | ttttctactc  | cgatcaatgc  | aatcgaatcg  | tttccgcggc  | agataatgcg  | 2147340 |
| atggctgctt  | atcagcatct  | tccagcccat  | ctgttcttcc  | ctcattacca  | gcgtatcaat  | 2147400 |
| atthgccagc  | cgthccgcct  | cgctgttcca  | gcgtacgtaa  | gtaccgtagt  | cgthgattacc | 2147460 |
| caatacagaa  | aacacaccgt  | ctthggtagt  | caacttcgaa  | aagactggca  | taaactcctt  | 2147520 |
| catctcgtcg  | gcacgactgt  | ttaccagatc  | gcccgtaaac  | acggccagat  | cgggatgctg  | 2147580 |
| agcgttgcaa  | agagcaatag  | cccgtgcaa   | ggcctccgca  | tttcttttcc  | agcttccgga  | 2147640 |
| atggatatcg  | gacaactgaa  | gtatccggta  | accgtcgaac  | gcagcgggaa  | gatcgggaga  | 2147700 |
| agagaaaagta | acctgcttta  | cctgaaagaa  | ctccttacc   | cagatagcac  | caaaaagaac  | 2147760 |
| ataaccta    | gtagcaactg  | ccacaacgg   | agatacgtc   | ttgtgataca  | acggcacgcg  | 2147820 |
| gacaagccgg  | tgcaaaagcc  | tcagcaccac  | atcacataat  | acaaatatga  | gtttcggtac  | 2147880 |
| ggcaaaaacag | agtgatgata  | tcaggtaaac  | gcaaaaagcg  | tcgtgcaggg  | aatcatgtgc  | 2147940 |
| agcaacaaa   | acgaccaatg  | ccagcaacag  | cagaattgtc  | ggcaaccaat  | atagcttctt  | 2148000 |
| catccacacc  | tgcgccgcct  | gcttgatata  | taccttatat  | atataccagt  | cgggcaacaa  | 2148060 |
| cagcaatagg  | ataaaaaaca  | gcgaaactct  | taccagtatc  | ataacatctt  | tattgttgca  | 2148120 |
| ggttagcgac  | taaatatttt  | ctgattttat  | ctacttcaca  | tccacgtcgg  | gcagcataat  | 2148180 |
| cggcaagctg  | ttctctgtct  | atcttcccca  | ccgagaaata  | acgtgaagcc  | ggatgcgcaa  | 2148240 |
| acatcaatcc  | acataccgat  | gcatggggct  | gcatcatgcc  | gttttccgct  | aatcggatgc  | 2148300 |
| cgtatgcgtt  | catgtcgagc  | agctcgtcca  | gcaggaaact  | gacagaaata  | tcgggaagcg  | 2148360 |
| acggataacc  | taccgcccga  | cgtatgccct  | gataatcttc  | attcagcagt  | tgcttcatgg  | 2148420 |
| tcagggtgct  | gtctttggca  | tacccccata  | cgctcttccg  | aatggtttca  | tgactttttt  | 2148480 |
| cggccgcagc  | ttccgcccag  | cgctcgccca  | atgtctttat  | cagcatgtat  | tgataatcgt  | 2148540 |
| cgcttccgaa  | ttctttttcc  | atatactcat  | cgtatggtgt  | tgcaaaaggct | cccaccgtat  | 2148600 |
| cagttattcc  | cgaagacaga  | ggacgcacga  | aatcgtctag  | acacaagaat  | ggatcgtccg  | 2148660 |
| gccgaaccct  | cgtctgtgc   | ctcagcaacg  | ggaaacgggt  | tccttccagt  | atcaggttgt  | 2148720 |
| cgccatcggc  | attggcggtc  | atcagccggt  | aaatggcata  | taccttataa  | cgtccgtcta  | 2148780 |

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| tgctgttcag  | catgcggttg | gcctccttat | ggagctgcat  | ggcctgtgct | gccttggcac  | 2148840 |
| aatcttcggt  | aggaaacgaa | gccagccagc | ttgcccagaca | agcatcgag  | ccgtgaatat  | 2148900 |
| cggctatagc  | tgcaaaacgg | ggctgaaatc | cccacgcatg  | aaaaaaataa | atccagttga  | 2148960 |
| tatattctgc  | cagatcggtg | atctcgtatg | taactgttgt  | aatgtctgtc | tgcattttct  | 2149020 |
| atcggttaaa  | gacaagtgtc | tccccacggg | gctgagtgtc  | taccttgcca | tcgctatata  | 2149080 |
| ctaattgtcc  | gtttacaaat | gttttctcta | ctttcgcatg  | gaaatgtttt | ccttccatag  | 2149140 |
| ggctccatcc  | gcatttactc | aagacacaat | ccttcgtcac  | ttcccattca | ctgtctggat  | 2149200 |
| tgaccagcac  | caagtcgggt | ttatagcccg | gacggatata  | gcctcgtctg | tctatctgga  | 2149260 |
| aaagctctgc  | aggcgcatga | cacatcttct | gtacaagctg  | ttctaccgtc | aaaactcctt  | 2149320 |
| cccgaaccag  | ttccatgata | cttaccagcg | agaattgcag  | gctcggcata | ccagaaacag  | 2149380 |
| ctttcagtg   | tcctccttgt | ttttcagtaa | gcagatgagg  | tgcatggtct | gtaccaatga  | 2149440 |
| catctatcag  | attcgtggaa | agggccttgc | gaagcatatc  | gcggtcattt | cgggtcttga  | 2149500 |
| tactcggatt  | acatttaata | cgtgcgcca  | atgtcttgta  | atcctcatcg | cagaacatca  | 2149560 |
| gatgggatac  | acaagcttcg | gaagtaatac | gcttttcggc  | tatcggcttg | tcctcgaaca  | 2149620 |
| aagccagctc  | gcgtgccgta | ctcacatgaa | ggatatgcaa  | acgtgcccct | gtttcttttg  | 2149680 |
| caagctgtac  | tgccagagag | gacgaatgcc | agcaggcttc  | ctcgctacgg | atgcgagggg  | 2149740 |
| ggaaggaaat  | atctacatct | tcttcaccat | atctcgactt  | aaccagtctg | gtattccagc  | 2149800 |
| gaataatcgt  | ctggtcttcg | cagtgtgcag | ctatcagcat  | acctgcttcg | gcaaagattt  | 2149860 |
| tacgtaatga  | ctcgatgcgg | tctaccagca | tatttccggt  | actggctccc | ataaaaagct  | 2149920 |
| tactccgca   | cacatgagtc | ttgtcgagct | catgcagcaa  | atctacattg | ttgttcgttg  | 2149980 |
| ccccgaagta  | aaacgaataa | ttcacgatgc | acttgttggc  | tgcgctcgga | aattttattgt | 2150040 |
| cgagtgcctc  | cagcgtagtc | gtctgcggat | tgcatgttcg  | catatccatg | aacgaggtta  | 2150100 |
| ctcctcccg   | tgccgagcc  | gtcgtttcgc | tcagcatatc  | agctttgtgc | gtcagtccc   | 2150160 |
| gatcacgaaa  | atgtacatga | tcatctataa | ctcccggaa   | aaggtaacat | ccatgagcat  | 2150220 |
| cgatttcgat  | gtcgcacaaa | acagagggtc | gcgtttctcc  | ttgcaaaact | tactgatcg   | 2150280 |
| tatcgcttc   | gatcacaa   | gaaccggcaa | actttaatcc  | ttcgtttact | attgttgctg  | 2150340 |
| tataaatcca  | cgtacgtttc | atttttat   | attttttgga  | taacttttaa | accaactatc  | 2150400 |
| ccacttcaac  | tgaatcactc | caaacacggc | ttctccaaat  | atgctgctgt | tcatcttcga  | 2150460 |
| ggttcccagc  | tcacgattga | caaaaataac | cgttacttcc  | acaatcttga | aaccacactt  | 2150520 |
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| cggaaatggtc | tccagtacct | tgcgcttata | gcacttgaac  | cctgccgtgg | tatcgatgaac | 2150640 |
| agggatacca  | gttacaagc  | gtacatactt | tgaagcaaaa  | tatgacatca | gcacacgtcc  | 2150700 |
| cataggccag  | ttcacacgt  | tactccgct  | gacataacgt  | gacccgattg | ccacgtcggc  | 2150760 |
| tccatcgta   | tggcaagcct | tatacaaagc | gggaaggctg  | ttgggattat | ggctgaagtc  | 2150820 |
| ggcatccatc  | tcgaatatgt | aatcgtat   | atgttcaata  | gcccacttga | agcctgta    | 2150880 |
| ataggctgtt  | cccagtccta | attttctt   | tctttctatc  | ataaacagcc | gttcgggaaa  | 2150940 |
| ctcggctgtc  | aaccggcgta | caatgtcggc | tgtaccgtcg  | ggcgaattat | cttcaataac  | 2151000 |
| cagaatatga  | aaacatttct | ccaggccaaa | caactgcacga | attatatttt | cgatattttc  | 2151060 |
| cttttcgttg  | taagtaggaa | taataacgat | actgtcactt  | gtctgcataa | taatctatat  | 2151120 |
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| ttttgtaatt  | ccgaatttga | aaacaattaa | ccacttatat  | cggcgatagg | agaattatat  | 2151240 |
| cgtatcggca  | cgtaaatac  | gtcccgtac  | attcgatacc  | gttgtagggc | agcgtgccct  | 2151300 |
| gactactacc  | ctgaaaaatg | cgatagccaa | tcagaaactg  | gcacatgcct | atctgttttg  | 2151360 |
| cggaccgcga  | gggggtggga | aaacaacgtg | tgcacgaatt  | tttgccaaga | ccatcaactg  | 2151420 |
| cctgcatcct  | acagccgacg | gagaggcgtg | caacgaatgt  | gaatcggtcc | gcgctttcaa  | 2151480 |
| cgaacagcgt  | tcatataata | ttcatgaact | ggatgccgca  | tcgaacaact | cgggtggagga | 2151540 |
| tatacgttct  | ctgattgagc | aagttcgtat | cccgccacaa  | atcggaata  | ataaagtata  | 2151600 |
| catcatcgat  | gaggtgcaca | tgctttctca | ggctgcattc  | aatgccttcc | tgaaaacgct  | 2151660 |

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| tcctaccatt  | ttgagccgtt  | gccagatata  | cgacttcaat  | cgtatcagtg  | taagcgacac  | 2151780 |
| ggtagaacat  | ctggagaacg  | tggcaagaaa  | ggaacatata  | gaagccgaac  | cggaagcact  | 2151840 |
| gaacgtgatt  | gcacaaaagg  | ctgatggagg  | tatgcgtgac  | gccttgctta  | ttttcgacca  | 2151900 |
| ggtggtaagc  | tttaccacg   | gacatatcac  | ttaccaaggt  | gtaatagaga  | acctgaatgt  | 2151960 |
| actggactat  | gaatattatt  | tcagactgac  | agatgctttt  | ctggaaaacc  | gaatctctga  | 2152020 |
| ctgcctgctt  | acattcaacg  | aggtattgaa  | aaaaggtttc  | gacgggaatc  | acttcattac  | 2152080 |
| gggactgact  | tcgcatttcc  | gcgacttgct  | ggtgagtcgt  | gatccggcga  | ccttgcaact  | 2152140 |
| gctggaagt   | ggtgcctcca  | tacgcgaccg  | ctatcaggca  | caggcacaga  | aatgcactcc  | 2152200 |
| tcagtttctg  | tacaaggcaa  | tgaagctgtg  | caatgattgt  | gatctgaatt  | atcgtgccag  | 2152260 |
| caagaacaag  | cgtttgctag  | tggaaactgac | tttaattcag  | ttggcacagc  | tgaccaccga  | 2152320 |
| caacgatgtt  | cccgggtggg  | ggcaaagccc  | tgccaagcaa  | tcattaaaac  | cagcattcaa  | 2152380 |
| tcaggcgag   | gcaagccaga  | cagcacaagc  | aagcgcta    | caggcatatc  | cgcaggcaac  | 2152440 |
| acatgaaacg  | accggttaatt | atcaagcaac  | gcaacaacaa  | ccagccggac  | aaccagctgc  | 2152500 |
| tagtaaacct  | tctgttcagc  | aaacgataac  | tgccgttcag  | ccgacaccgc  | ctgccggaca  | 2152560 |
| ttccaatccg  | ctccctaag   | caagtacgga  | aaagaaaatt  | ccggtcatga  | aagcgggaaa  | 2152620 |
| ctttggcata  | tctatccgga  | aacaacctgt  | gcagcaatca  | tctgtcgcca  | acaataatca  | 2152680 |
| tccgacgaat  | gccaaccag   | catcacaaca  | ggtagagcaa  | acgtatgaag  | attatatctt  | 2152740 |
| caacgaaaaa  | gatctgaatt  | attactggcg  | tgaatttgcg  | acacagctcc  | ctaaggagga  | 2152800 |
| agcggccaac  | tctgccgta   | tgatgaacat  | gcagcctcat  | ctgctgaaag  | accagacaac  | 2152860 |
| atltgaaatt  | gctgtcgaca  | atgatatggt  | acagaagtat  | atgacgcaac  | tggctccaca  | 2152920 |
| gatagaacag  | cacttgctgc  | ggcaactgca  | taaccggaag  | ataaaaaatga | cggctccgtat | 2152980 |
| cagtgcagcc  | aacgaaaacg  | tccgtgccta  | cagtcatgta  | gaacgcttcc  | agatgatgag  | 2153040 |
| caaaaaagaac | cctagcctgc  | tgaagctgaa  | ggaaacattc  | ggactggaat  | tatcttaaaa  | 2153100 |
| ataaagccat  | caagatttct  | ggctttttgt  | ctgatgtgat  | atltctgagc  | taaatgaaaa  | 2153160 |
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| ttatatacaa  | caaaaaggcc  | acttcatctt  | tccgatttga  | agtagccttt  | tttcatagag  | 2153280 |
| aaacagagat  | gttattttaga | atttaaatat  | tcttttagcaa | agacatccct  | ctttcaatca  | 2153340 |
| tcattcttta  | tttaaagatc  | gtggttttgc  | atacgggtatt | ctgccagttt  | ttcgtatttc  | 2153400 |
| gtaccgggac  | gtccataatt  | acaatacggg  | taaatggaaa  | ttcccccgcg  | aggagtaaag  | 2153460 |
| attccggtta  | cttcaatgta  | cttgggatcc  | atcagtttaa  | tcaggctctt  | catgataatg  | 2153520 |
| tttacacaat  | cttcatgaaa  | atcaccatga  | tttcgaaaac  | tgaacaggta  | tagtttcaga  | 2153580 |
| ctcttacttt  | ctaccatctt  | gacatcgagg  | agataactga  | tgcaaatctc  | tgcgaaatcc  | 2153640 |
| ggctgtccgg  | taataggaca  | aagactggta  | aattccggac  | aattgaatcg  | tacccaatag  | 2153700 |
| tcattttcag  | gatgcttggt  | tacaaatgct  | tccaatactt  | caggagcata  | gtcctgttta  | 2153760 |
| taagtggtag  | tccttcctaa  | tattgtcaat  | tcattctttt  | tttccatata  | ttacaatcta  | 2153820 |
| atatgttcac  | aaaacattgc  | tactcaca    | agcccaccag  | cgggcttgca  | agaaacaatt  | 2153880 |
| ttattttatt  | ttttcaagaa  | actcatctca  | ggcattataa  | ggaagtatcc  | ccattatcaa  | 2153940 |
| tcataaaacc  | cgacagcatc  | ttattttatt  | ttgcttgcta  | agtacttttc  | aagcccttct  | 2154000 |
| ctacgcaaag  | tacatgccgg  | acaatgtccg  | caaccgtcac  | ccggaatacc  | attgtaacaa  | 2154060 |
| gtcagtgttt  | catgacgcac  | caagtcgagt  | actcccagtt  | catctgccag  | agcccaggct  | 2154120 |
| tgtgccttat  | caatccacat  | caaaggcgta  | tgaatcaca   | actgttcttc  | catagcaaga  | 2154180 |
| ttcagcggtta | cgttcagtga  | tttgataaaa  | gtatcacgac  | aatcgggata  | tccgctgaaa  | 2154240 |
| tcgggtctgag | aaactcctgt  | caccagatga  | taaatgccac  | gctcacgggc  | ataaaccgct  | 2154300 |
| gcaatgctca  | agaagaaaag  | attccgaccg  | ggaacaaatg  | tattcgggaa  | ggttccttcc  | 2154360 |
| ggcttcttct  | catccatag   | gatagaagta  | tcagtcagtg  | aatttttgcc  | cagatgtccg  | 2154420 |
| atgaaagaaa  | catccatcgc  | gtcaaattct  | acttctgcct  | tacgagctat  | ttcacgagcc  | 2154480 |
| agctccacct  | cttttacatg  | cttctgccc   | tatataaaac  | tcagtgcgta  | tactttttta  | 2154540 |



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|             |             |            |             |            |            |         |
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| aaatgttttt  | ttccccagaa  | aaggcaagt  | gtagagtctt  | gtccgccact | aaataccaca | 2154600 |
| agtgcagctt  | cgttattcat  | cttaaattct | ttttattttc  | aatacattat | aagaaatgtg | 2154660 |
| ttcatcgat   | acatcactat  | cgtctacacg | cttgatgtac  | ttcacgacac | ggatagtaac | 2154720 |
| aggcaggatg  | attacttcgt  | acaagggttt | aagaactacc  | tgcaccaaca | tcatcttacc | 2154780 |
| aagttctgat  | acaggcatca  | agccaccgaa | tgccagcggg  | aaaaagatca | gcgaatcggc | 2154840 |
| actctctcca  | aaaaccgtcg  | agagaatggc | acgtgcagaa  | aagttctttc | catgtgaagc | 2154900 |
| aaccttcatt  | cgactcatga  | cgtatgcatt | gataaacgaa  | cctaccagga | atgcaagaag | 2154960 |
| gctggccaca  | gcaatacgag  | gtgccatgcc | aaagacgaag  | ttaaatcctt | cctcaccttc | 2155020 |
| ccagaaaagg  | gcagccggca  | aagctacggc | aatctgtccc  | attgccacaa | ccatgaaatt | 2155080 |
| cataaggaaa  | cccatccaga  | tgataagacg | tgcccttacga | aatccccata | cttcggctat | 2155140 |
| gcagtcgtta  | ataatgtaag  | aaattggaaa | tacaatcagt  | ccggcagtta | cagagatcgg | 2155200 |
| acccacttga  | actactttgg  | tttctaaaag | gttggtgtgt  | accaggcaga | cacaaaacac | 2155260 |
| aatacccaaa  | accataaaag  | gtactgatac | gagattttct  | tttttcatcg | ctcctgtttt | 2155320 |
| ttacgtggtg  | ttctagaata  | cacggccgtt | attcacggca  | tcacatgtta | atgtcctctt | 2155380 |
| ttttaattcg  | gcgcaaagg   | actaactttt | tgccaaatta  | caaataaacg | cttatatttg | 2155440 |
| tgataactaa  | attcatcctg  | acatgacaaa | gaataacttg  | ctcagtgaag | agctgaatta | 2155500 |
| tataggagaa  | agtgaacccc  | ccactcattt | acacttatgc  | agttacaatg | ctgaaggaac | 2155560 |
| tcaggctctg  | cggggaaact  | tgcaagaagt | cattcctcag  | ttgaaaaccg | actgtatcaa | 2155620 |
| ctggatacag  | gtacacggct  | tgcaaaatac | agaaacaatc  | catcagttat | gtagccattt | 2155680 |
| caacatcgat  | ttcctgacga  | cacaagatat | attaaactca  | gagcatctga | caaaaataga | 2155740 |
| agaacatgaa  | acttataatg  | tggttatcct | gaaacaacta  | tccatagtag | aacagaatga | 2155800 |
| actcattccc  | caacagttat  | gtatcgtaca | aggaaaagat  | tatgtgctga | cttttgcaga | 2155860 |
| aaaagaaaacc | gatttattca  | atgaaatcaa | tacggcactg  | gaaaaaaatg | tactgaagat | 2155920 |
| cagaaacaga  | caatcagatt  | ttctactgag | cgttatccta  | aacagtgtaa | tggaagttt  | 2155980 |
| catgtcgcct  | atctcgaaaa  | tggaagatga | tttggaagac  | ttggaagaac | agttcttata | 2156040 |
| tccgctttca  | cccattccaa  | ccaaacaacc | cggaatagaa  | gaaatacaag | tttatcgcag | 2156100 |
| aaactaccgg  | ttaatcaaaa  | agagtatttt | cccttttaaa  | gaacagataa | acaaactatt | 2156160 |
| ccacgcagaa  | aaccagctgt  | tacataaagc | aaatcgcccg  | ttcttcagcg | atgtaaacga | 2156220 |
| tcatctgcaa  | tttatcttgc  | aaacactgga | gggatgcagg  | gacctattgt | cggctttggg | 2156280 |
| cgattttatat | ttggcaaaca  | acgaccagcg | aatgaacagt  | atcatgaagc | aacttaccat | 2156340 |
| tgtatctacc  | atctttatac  | ctctgacttt | ccttgccggc  | atatggggaa | tgaactttca | 2156400 |
| gtggatgcca  | gagctgggat  | ggaaatatgg | atattttctt  | gcctggggat | tgatgattgt | 2156460 |
| tgtaggagtc  | attgtatatt  | tctacttcaa | gcacaagaga  | tggtattaaa | acaacaaatt | 2156520 |
| ggacttatat  | tattgtaaac  | gtatgcgaaa | acaagaatta  | tatgatcggg | ccattgctta | 2156580 |
| ttttaagcaa  | gctattccgg  | tagccgaaac | agaattacac  | tatgaaaatc | ccttccaact | 2156640 |
| gctgatagct  | gtaataactaa | gtgcacaatg | tacagacaaa  | agagtaaaca | tgattactcc | 2156700 |
| agccttattc  | gaagcattcc  | ctactccaga | agccttagcc  | aatactacac | ctgaggttgt | 2156760 |
| attcgaatat  | atacgcatgt  | taagttatcc | gaacaataag  | gcaaagcatc | tggtcggcat | 2156820 |
| ggcacaaaat  | ctgggttaaag | actttcacgg | ggaagtacct  | gatacactgg | aaaacctgat | 2156880 |
| aaagctaccg  | ggagtaggta  | gaaaaacagc | aaatgtcatt  | caaagcgtcg | tgttcaataa | 2156940 |
| ggcggcaatg  | gctgtcgata  | cacatgtatt | tcgcgtaagt  | catcgcacgc | gactggttcc | 2157000 |
| ccaaacatgt  | actaccccg   | tggctacgga | aaaacattta  | gtaaaatata | tcccaaaga  | 2157060 |
| actgattccg  | accgcgcacc  | actggctgat | attacacggc  | agatatgtat | gtacggcacg | 2157120 |
| caatcccaaa  | tgcaagaggt  | gtggactgaa | cggaatctgt  | aaggagtcac | taaagagcaa | 2157180 |
| gatcaataaa  | gctccatata  | acattaacac | caaacgatta  | aaaagaaaag | ccaactaaat | 2157240 |
| tacaaatgtt  | ttgattgtaa  | tttagttggc | tttcatgtca  | tttttaata  | ttactatata | 2157300 |
| cataaaaaat  | gccatatcac  | tactttacag | caccgatatg  | gcctatgaaa | tacatccgag | 2157360 |
| cgttaccgct  | cgtgtgaaac  | atctttcttt | tattcattta  | tcaccataag | tccatcgtat | 2157420 |

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|              |             |             |            |             |             |         |
|--------------|-------------|-------------|------------|-------------|-------------|---------|
| gccagatgta   | catgctcagg  | aagttgcttg  | tctacttcgg | catgcaatcc  | catctgatgg  | 2157480 |
| ctcatatgta   | taaaatacgt  | ttcttttcgcc | ccaatacgt  | ctacttgctc  | cagcgcttcc  | 2157540 |
| gaaagcgact   | gatgtgtcca  | atgtggttcg  | atacgcaagg | cattcataaa  | caaataatcg  | 2157600 |
| agtcccttca   | acacgtcata  | cgattcatca  | ggcatcgtaa | gcataatctgt | aatccacgct  | 2157660 |
| acattaccta   | tacgatatacc | catgataggc  | agtttcccg  | gcattacccg  | aaacggtatc  | 2157720 |
| acttcgaccg   | acttccccga  | cagattcgta  | acctgaaaag | tcttgatgg   | ctctatcaca  | 2157780 |
| gaaagcggaa   | tactgggtac  | tcccggatag  | gtatgctcta | caaaacaata  | aggcatacgt  | 2157840 |
| ttttgcaggc   | gttctgccgt  | atataccttca | gcataacg   | gaatatcgcg  | aaagcgacaa  | 2157900 |
| aaaggacgga   | gatcatccag  | tccccccaca  | tgatcgtaat | gctcatgagt  | aatcagtagt  | 2157960 |
| ccatcaatag   | gaagaaaagt  | gttcatacga  | atactttgct | gcctgaaatc  | cggaccgcaa  | 2158020 |
| tctatcagaa   | tgcgaccccc  | ttcggtttct  | accaacccgg | aacaacgcaa  | acgattatca  | 2158080 |
| tgcgatcg     | tactggtaca  | tacctgacat  | gtacatccca | cttggtgtac  | accagtagaa  | 2158140 |
| gttccgctac   | ctaatactgt  | tactttcatc  | gttataaaaa | acgccttaaa  | tataatttac  | 2158200 |
| ttccggataa   | atatcgatac  | cgaatttatc  | ctttacagaa | gttaccactg  | caactggccag | 2158260 |
| ctgcatgacc   | tcttgctccag | tcgcaccacc  | taaattgacc | aagaccaacg  | cctgacggctc | 2158320 |
| atgaactccc   | gcacgtccca  | acgctttacc  | tttccatcca | caccgatcta  | tcatccaacc  | 2158380 |
| ggctgggact   | ttcacccaac  | cttcacctgc  | cggataagaa | ggatatatctg | gataagtggc  | 2158440 |
| tcgtaaagca   | tcaaactggt  | tttgcggaat  | gaccggattc | atgaaaaaac  | tcccggcatt  | 2158500 |
| tcctatcttc   | gccggatcgg  | gcagtttttc  | ctcccggatg | cggataataa  | tgcgacgtaa  | 2158560 |
| gttttccaac   | gtcagcggac  | aggctcctt   | ttccagctct | gcacgaacat  | tgccataatc  | 2158620 |
| caaatgccat   | acaggctggt  | tatgtaagcg  | atacgtcaca | tgcgtcacaa  | cgtacttacc  | 2158680 |
| tttcagttcc   | tgcttaaaga  | tgcttttacg  | gtaggcgtaa | tcacattctt  | catttgaaaa  | 2158740 |
| ccgacgaggt   | tcgcctgtag  | ctacacatac  | tgtgtcgaca | gcaatgatta  | aatcttttagc | 2158800 |
| ctcaacaccg   | tatgcaccaa  | tattctgaac  | agccgaagct | cctacttcac  | ctggtatcaa  | 2158860 |
| agacagggtt   | actgcaccat  | accagttatg  | ctgtacggta | tatgccacaa  | agtcatccca  | 2158920 |
| aatttctcct   | gcccttactc  | gtacatcaac  | tatttcatca | gtttcagaaa  | caatctcagc  | 2158980 |
| acctttaatg   | gcagaatgga  | gtatagtacc  | tttaaaatcg | cccgaaga    | gcaagttact  | 2159040 |
| tcctccaccg   | atatgcaaca  | acggaagcac  | ataactcttt | tgcttgagga  | aagcacaaag  | 2159100 |
| ctcatccacc   | gaatcatatt  | ctacaaaata  | tgcggcatac | acgttcatac  | caaacgtatt  | 2159160 |
| atgatgcaaa   | agagaatagt  | ctttcagttc  | tttcatatcc | tttattttata | tataacaaat  | 2159220 |
| tcctattaac   | aaatgttcag  | tcaatgaaca  | tcttgtttta | gtcactcaaa  | tcctcaaact  | 2159280 |
| tcataacat    | ccactttcca  | ttacgatatt  | caaagtacag | tgtattgctg  | aatccgttac  | 2159340 |
| cgaatccttt   | gaactcaatg  | atctttcgat  | ctgtatccgc | aacctccttt  | tgtccgtagt  | 2159400 |
| gaacattcgt   | caaccgttct  | ttcaacaaag  | gcgggcggaa | cgaaaaccat  | tgcccttcat  | 2159460 |
| caagtgtgt    | ttccagaatc  | tgaactcat   | cctccggatc | tacagtcaca  | aacccagcg   | 2159520 |
| gatcatgcaa   | ccgttcacgc  | tggaaaacag  | aatcgttggc | aaaatgatta  | taaaaatcaa  | 2159580 |
| aaaagtcttc   | gcgtccttcg  | gatgccgaag  | caagcttttc | cttattgata  | gcttccagat  | 2159640 |
| accagcaatc   | ggaaacccgc  | tcaaaatagt  | agcgctttac | tcttcgatcc  | ttcagataaa  | 2159700 |
| tccaatccac   | ctgaacacta  | tgcacagccg  | tatccttttc | catttccata  | tcttcttctt  | 2159760 |
| tatcgaacaa   | tacggtatat  | accggatcac  | gactgaataa | cggatcgtag  | accattcgt   | 2159820 |
| ctttcgacat   | acgttctaca  | cggtcacctt  | tatacaagga | aatgggaaat  | tttactcttg  | 2159880 |
| aacgctgaaa   | acgttcatcg  | gaagcaaaat  | tataaaagaa | atcagcaaaa  | ctctcgtcag  | 2159940 |
| ccgtagctgg   | aactacatct  | tccacttctt  | gagattcttc | ttgcaacgta  | tcgttaccga  | 2160000 |
| cagtcagcga   | atcaatctgt  | ttagtttagtg | tttcaaaagg | atctactttt  | ttctttcctc  | 2160060 |
| ccccgcaaga   | tgctgccaac  | ataagtatac  | aacatccaaa | taaaactttt  | ttcatcttag  | 2160120 |
| tgcttctgaa   | aaatcacgtg  | caaaaatacg  | tttttttttc | attttacaca  | taacaatact  | 2160180 |
| tcggtaaaatt  | tttaccgata  | aattaaaatt  | aaacatagaa | tcggcataat  | ccggttcaaa  | 2160240 |
| attatatattca | agagatcatt  | gaaatactgt  | caagaataaa | tcgtcaagga  | gtaagaaaag  | 2160300 |

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| ggatgaaaaa  | gatatgctaa | acagctgaaa  | atcaacagaa | aaagtatttc | ataattcact | 2160360 |
| gatttttagt  | aaattagaag | tacttcacca  | cttttaatta | tgactaaaga | atcactcctt | 2160420 |
| atgcaatacc  | aatccgagtg | cagaaacgct  | ctcgaatcag | ctgtaaata  | aagcaaactt | 2160480 |
| tttcagaaa   | tattcatgga | tgcaatgaaa  | ttattcatgg | ctatacctga | ccgcatcaat | 2160540 |
| ttcctacaaa  | tgggacggta | tgatgttttc  | tcggaacaga | cataccgcaa | caattttgag | 2160600 |
| aacgacggct  | ttgactgggt | ttccttcaat  | gaagccatca | tcagggaaca | ccttaaaggt | 2160660 |
| ggtcgcaagg  | cgatagccgt | tgatccgtct  | ttcattccaa | aatcaggcag | caaaacgccg | 2160720 |
| tggtattggct | atttctggtc | cggttgtgcc  | ggtgaatata | aacgtggact | ggaaataacc | 2160780 |
| ggtattggag  | ttatagacgt | tgacaacat   | gaatgtatga | ctttgggctc | tgtacagaca | 2160840 |
| cctgacaacg  | caacgctgga | aagctgtgag  | aagaatcttg | ttgactggta | cagctcttac | 2160900 |
| cttatcagca  | tacaggaaca | gctgaaacgt  | atttctggca | cagtcgtgtg | tgatgcgttc | 2160960 |
| ttttcaaagg  | caactttcat | caaaccattg  | tacgataacg | gtttccacgt | aataagccgt | 2161020 |
| ttcaggaatg  | atgccgtatt | gttttatccc  | accttagaaa | ataggacagg | aaaacgcgga | 2161080 |
| cgtccaaaat  | tacatgacga | gaaaattgac  | tttgaaaatc | tgacatcac  | aagatgtacc | 2161140 |
| gagtacaaa   | tgaacaagg  | taaaccttac  | ggactgaaag | catactccaa | agcactcaaa | 2161200 |
| cgctttgtga  | gcctggctgt | atggtacccc  | atggatggaa | gaacggacaa | atggcagctg | 2161260 |
| tattttctcta | caaacgaaat | acagaacgca  | caggatgtcc | tggaacttta | cagaacacgt | 2161320 |
| ttccaactcg  | aattctgctt | tcgggatgcc  | aagcaacatg | ccggaatagc | aaactgtcag | 2161380 |
| tctacagact  | tcaggaact  | ggcattccac  | tttaatgcat | cacttgcagc | gataaacctc | 2161440 |
| gccaaaggctg | cctgtaagaa | gatgggaata  | aaatattcca | tatcatcatg | caagtcagtc | 2161500 |
| atacacaatg  | cttacatgct | tgaacgattt  | atttgcgtgt | ctgggattga | accaaacacg | 2161560 |
| caattaattg  | acaaactttt | caaagaactc  | attttattta | ctgccagagc | cgcttaggct | 2161620 |
| gggctaattt  | ttaacgaact | attgcacata  | aaacatccac | agttttcttt | tttatgagct | 2161680 |
| taaaaagaaa  | aaatttcagt | tttaatcctt  | acctttgcgc | acaagaaaat | aataaaaaaa | 2161740 |
| gaatatgtta  | gcaaaaatag | aacagttact  | tcaggaagtg | gaaggcttga | cagcttcgaa | 2161800 |
| tgacagaag   | ctggaagccc | tgcatatcaa  | atatttgagt | aagaaagggg | taatcaacgc | 2161860 |
| cttgatggca  | gatttccgta | acgttcctgc  | tgaacagaaa | aaagaagtag | gcataaagct | 2161920 |
| gaacgagttg  | aaaaaccgta | ctcaggaacg  | tataaacagc | ctgaaagaag | ctttcgaatg | 2161980 |
| ccaggacaac  | agtacagccg | aactcgacct  | tacacgtact | gcttatccta | tcgaactggg | 2162040 |
| aacacgacat  | cccttgagca | ttgtccgcaa  | tgaaatcatc | aacattttca | accgactggg | 2162100 |
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| cttccccgaa  | gatcatccgg | cacgcgatat  | gcaagataca | ttcttcattg | aaagtcattc | 2162220 |
| ggatattatc  | ttgcgtacac | atacttcac   | ggttcagagc | cgcgatcatg | aagtatcaca | 2162280 |
| gccacctatt  | cggtcatct  | gtccgggacg  | tgtataccgt | aatgaagcta | tcagctaccg | 2162340 |
| cgctcactgt  | ttcttccatc | aggtagaagg  | attgtatgtc | gacaagaacg | tttcattcac | 2162400 |
| cgacttaaa   | caagtattgc | ttcagttcgc  | acaggaaatg | ttcgccctg  | aaacaaaaat | 2162460 |
| ccgtctgctg  | ccttcttact | tcccgtttac  | tgaaccgagt | gcagaaatgg | atatcagctg | 2162520 |
| cgacatctgc  | ggtggagaag | gttgtccgtt  | ctgtaaata  | accggctggg | tagaaattct | 2162580 |
| gggatgtggt  | atggttgacc | ctgctgtact  | cgaagccaac | ggaattgaca | gcaaagtata | 2162640 |
| tacaggctat  | gccttcggta | tggtgagttga | acgtattgcc | aacttgaaat | acaaagtata | 2162700 |
| agacttacgt  | atgttctcgg | aaaacgatac  | tcgtttcctt | aaagaattcg | aagcagcaaa | 2162760 |
| ctaataatac  | atacttaaaa | caggaaacgc  | ggattaacgc | agatttccgg | acaagtgcac | 2162820 |
| agagaaaaag  | gcggtccgat | aatctatgt   | taatccgcgt | ttttcaaaa  | agaatcagaa | 2162880 |
| gatattgaaa  | aggaacacct | tgtcacacct  | agctactgct | gcatactggc | agccaatttt | 2162940 |
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| tttaacgcgt  | caaaaaccac | gataggcata  | gtgctttctt | gctataccat | ttcttctctt | 2163060 |
| tgcatacggc  | cgttctctgg | ttactttctg  | gacactttcg | cacgtaagcc | tctctatctg | 2163120 |
| cttgccctact | ttattttcac | attgattttt  | gccggatata | tgatcgccgg | actgcttacc | 2163180 |

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|             |             |             |             |            |            |         |
|-------------|-------------|-------------|-------------|------------|------------|---------|
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| aacacagtcg  | ttattgacat  | catgccatct  | agccgacgag  | gggaaggtct | ggggtattat | 2163300 |
| ggattagcca  | ataatcttgc  | catgtccatc  | ggaccgatgt  | tcggattggt | tttacacagc | 2163360 |
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| tttgctgcca  | ccctggtaaa  | aacaccttat  | aaacctccag  | tcaagagggc | acccatatcg | 2163480 |
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| accgaaactg  | gtttcttctt  | cacactaatg  | gcggtcggaa  | tggctatcag | ccgtttattc | 2163660 |
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| tttctgcat   | acaatacatt  | atttgtcaat  | ctggccccc   | acagccagcg | aggaacagca | 2163900 |
| actagcactt  | atctgacttc  | ctgggatgta  | ggactaggaa  | taggaatgtt | aagtggagga | 2163960 |
| tatatcgag   | aaattgcctc  | tttccgtata  | gcttacttat  | ttggagctac | acttacagtt | 2164020 |
| gtttctctgc  | tctattttcca | tttcaaagca  | ggaccccat   | ttctgaaaaa | caagttgaga | 2164080 |
| taaaaataaa  | cagataagca  | taggggacag  | ctcattattc  | tttatacgta | aaaacaagaa | 2164140 |
| tatgcgaaaa  | caatccatta  | accttagtta  | tctggaccga  | caaaataaac | gaacggaata | 2164200 |
| actctatgtg  | atcataaatg  | aagggtggaa  | gataaccctt  | atatctattc | agatcctgcg | 2164260 |
| ctaccttatc  | cataatctgc  | accataataa  | gcgaagcatc  | acgtgacaag | ttcgaaacac | 2164320 |
| attcatcgaa  | taatgtatgc  | tgaggacag   | ccaataccct  | cgatatacaa | gaatcgatct | 2164380 |
| tttcttgtcc  | ggaaagaatc  | aggatactat  | ctttcgactg  | tgtctgaaaa | cttttcatac | 2164440 |
| gctcttcaat  | ttgatgcata  | gacgaatcgg  | gagcatacat  | tgaaccactc | aaataaaaaa | 2164500 |
| cttcaactatt | cagatgaata  | tcaaattctc  | cccagcattc  | cttactattg | gggaccaata | 2164560 |
| aaggaatagc  | agccgtacgt  | ccatacaacg  | taagaaaatt  | agcaatctta | gtatgtgcaa | 2164620 |
| cagccgtaaa  | gcccttgtcc  | tgacgcagag  | aaatcttatc  | tttttcagca | tcaattactt | 2164680 |
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| caaaatcacc  | attccttacg  | ggataaatct  | caatagattt  | tccacgatag | ctttcctttc | 2164800 |
| taggtacgaa  | atcaacgcct  | cttttacgca  | tcatctcgcg  | gacaaacttc | ttgccagatt | 2164860 |
| cattcgtctt  | aaagtaaacy  | accaaattac  | gtggagatat  | aggagcatga | aaactcacca | 2164920 |
| tcataataatc | catccgatta  | tgcaagtcgt  | gagtactatt  | gattatataa | ggagccatct | 2164980 |
| cattaccaat  | taccgacaaa  | agccccgtac  | gttgtagcgt  | atccaattgt | cctgcgtatg | 2165040 |
| ttgtttgtgg  | aaagacatta  | acaatagact  | caatattgtc  | tgtctctaaa | agaccaatac | 2165100 |
| aatcggcagg  | cacagaagcc  | aacagggtcag | tatcctttcc  | actttccgca | aaactcagac | 2165160 |
| ggcgaaact   | ataaagcccc  | actccgatgc  | agaataaaat  | aatagaaagc | actaccccc  | 2165220 |
| attttccgac  | cgtacgtagt  | ttcatagtaa  | ttttatattt  | tttatgcaaa | tataaacaat | 2165280 |
| taattaaaaa  | gtgcaaaatc  | agagaataat  | aaaaaagcga  | ccttctaaag | agaagatcgc | 2165340 |
| ttcattcaga  | agggtgacta  | gtgggactcg  | aaccacgac   | attcagaacc | acaatctgac | 2165400 |
| gctctaacca  | actgaactat  | agtcaccata  | taaaatgtat  | ggctgcttta | atgaaagggg | 2165460 |
| gactagtggg  | actcgaaccc  | acgacattca  | gaaccacaat  | ctgacgctct | aaccaactga | 2165520 |
| actatagtca  | ccatgttgat  | tatcctttca  | aaagcgagt   | caaaggtagc | gaaagatttt | 2165580 |
| taatttgcaa  | acaaatacaa  | gaaaaatctt  | atcaaaaaag  | tatatgaggt | ttctttttat | 2165640 |
| ccaaatcatc  | gctatattca  | tcagggtaat  | taccttatta  | tcggcatgtc | cccaagaatg | 2165700 |
| cctcttattt  | atttgaaaaa  | tacaatttat  | gaaagaaaag  | aatctaacaa | gcttcatgca | 2165760 |
| gaaacttatc  | gtcagttttc  | tgcaggaagg  | acgactcggc  | acagcccatg | tataccaaag | 2165820 |
| tacctacaac  | cggattaaga  | gttttaccgg  | aggacgtcca  | ttaaaattca | acgagcttac | 2165880 |
| cccttcgtgg  | ctaaaagctt  | tccaaaacta  | cctgttgtcc  | taccagcttc | agtggaatac | 2165940 |
| catttccacc  | tacatgagaa  | tgttctgtgc  | cgtatatattt | cgtgccgtag | acgaagggat | 2166000 |
| caccatagaa  | tacccccgcc  | tgttccattg  | tgtctacaca  | ggaacgcgtg | taacggtaaa | 2166060 |

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|             |            |             |             |             |             |         |
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| aaaaatggaa  | agagcacgaa | aactctttct  | actacttttt  | atgctacgag  | gaattccttt  | 2166180 |
| tgtagatatt  | gcgtacctga | gacgatgcga  | tttgaacggc  | aacatcctta  | cctaccgacg  | 2166240 |
| ccgaaaaaca  | gggacatgga | ttacagtacg  | tgtagaacct  | gaagccatga  | agctcatcca  | 2166300 |
| agctttaaaa  | agtacggata | tccattctcc  | ttattttatt  | ccttttatcc  | aaaaatatgg  | 2166360 |
| tagaaacgag  | tatcatcagt | atcaatacgc  | tttacggata  | ttcaactacc  | aactcaaaag  | 2166420 |
| attatcagaa  | ctgctaggca | cacatatttc  | tcttagtagc  | tacagcgccc  | gacatagctg  | 2166480 |
| ggctaccatt  | gccaattatc | agaactatca  | gcaggagcta  | atttcaaagt  | ctatgggaca  | 2166540 |
| ttcatctgtt  | aaagtaacag | aaacttactt  | taaggtagat  | tcagacgaac  | aaatcaatga  | 2166600 |
| aatgaataga  | ggaatattaa | aatatacatt  | tcagcaatag  | aacattccca  | tataaatatg  | 2166660 |
| tctatcaata  | ccaatacttc | ggtaaatttt  | taccgataaa  | ttaaaattaa  | acatagaatc  | 2166720 |
| ggcataatcc  | ggttcaaaat | tatattcaag  | agatcattga  | aatactgtca  | agaataaatc  | 2166780 |
| gtcaaggagt  | aagaaaaggg | atgaaaaaga  | tatgctaaac  | agctgaaaat  | caacagaaaa  | 2166840 |
| agtatttcat  | aattcactga | tttttagtaa  | attagaagta  | cttcaccact  | tttaattatg  | 2166900 |
| actaaagaat  | cactccttat | gcaataccaa  | tccgagtga   | gaaacgctct  | cgaatcagct  | 2166960 |
| gtaaatataa  | gcaaactctt | tcagaaagta  | ttcatggatg  | caatgaaatt  | attcatggct  | 2167020 |
| atacctgacc  | gcatcaattt | cctacaaatg  | ggacgggatg  | gatgtttctc  | ggaacagaca  | 2167080 |
| taccgcaaca  | attttgagaa | cgacggcttt  | gactggtttt  | ccttcaatga  | agccatcatc  | 2167140 |
| agggaacacc  | ttaaagggtg | tcgcaaggcg  | atagccgttg  | atccgtcttt  | cattccaaaa  | 2167200 |
| tcaggcagca  | aaacgccgtg | gattggctat  | ttctgggtccg | gttgtgccgg  | tgaatacaaa  | 2167260 |
| cgtggactgg  | aaataaccgg | tattggagtt  | atagacgttg  | acaacctatga | atgtatgact  | 2167320 |
| ttgggctctg  | tacagacacc | tgacaacgca  | acgctggaaa  | gctgtgagaa  | gaatcttggt  | 2167380 |
| gactggtaca  | gctcttacct | tatcagcata  | caggaacagc  | tgaaacgtat  | ttctggcaca  | 2167440 |
| gtcgtgtgtg  | atgctgttct | ttcaaaggca  | actttcatca  | aaccattgta  | cgataacggt  | 2167500 |
| ttccacgtaa  | taagccgttt | caggaatgat  | gccgtattgt  | tttatcccac  | cttagaaaaat | 2167560 |
| aggacaggaa  | aacgcggacg | tccaaaatta  | catgacgaga  | aaattgactt  | tgaaaatctg  | 2167620 |
| gacatcacaa  | gatgtaccga | gtacaaagtg  | aacaagggtg  | aactttacgg  | actgaaagca  | 2167680 |
| tactccaaag  | cactcaaacg | ctttgtgagc  | ctggctgtat  | ggtagcccat  | ggatggaaga  | 2167740 |
| acggacaaat  | ggcagctgta | tttctctaca  | aacgaaatac  | agaacgcaca  | ggatgtcctg  | 2167800 |
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| ggaatagcaa  | actgtcagtc | tacagacttc  | aggaaactgg  | cattccactt  | taatgcatca  | 2167920 |
| cttgacgcga  | taaacctcgc | caaggctgcc  | tgtagaaga   | tggaataaaa  | atattccata  | 2167980 |
| tcatcatgca  | agtcagtcac | acacaatgct  | tacatgcttg  | aacgatttat  | ttgcgtgtct  | 2168040 |
| gggattgaac  | caaacacgca | attaattgac  | aaacttttca  | agaactcat   | tttattttact | 2168100 |
| gccagagccg  | cttaggctgg | gctaattttt  | aacgaactat  | tgtcaatata  | ttaaataaaa  | 2168160 |
| aaataactat  | cacatagaca | tatccgttac  | tttgcaggta  | acagagaaaa  | atgaagacct  | 2168220 |
| tgagggatag  | aagtactttt | tctgataaaa  | gccacaagtt  | atttcattta  | atagaaatat  | 2168280 |
| ttatcaaaaag | aattgatcat | cactatgtct  | ggaaatatgt  | ataaatctca  | tcattttatca | 2168340 |
| tgttataaaa  | cagatttttt | aaatacacaa  | aatgtttatt  | caatacttcg  | gtaaaattttt | 2168400 |
| accgataaat  | taaaattaaa | catagaatcg  | gcataatccg  | gttcaaaatt  | atattcaaga  | 2168460 |
| gatcattgaa  | atactgtcaa | gaataaatcg  | tcaaggagta  | agaaaaggga  | tgaaaaagat  | 2168520 |
| atgctaaaca  | gctgaaaatc | aacagaaaaa  | gtatttcata  | attcactgat  | ttttagtaaa  | 2168580 |
| ttagaagtac  | ttcaccactt | ttaattatga  | ctaaagaatc  | actccttatg  | caataccaat  | 2168640 |
| ccgagtgcag  | aaacgctctc | gaatcagctg  | taaatataag  | caaactcttt  | cagaaaagtat | 2168700 |
| tcatggatgc  | aatgaaatta | ttcatggcta  | tacctgaccg  | catcaatttc  | ctacaaatgg  | 2168760 |
| gacggtatgg  | atgtttctcg | gaacagacat  | accgcaacaa  | ttttgagaac  | gacggctttg  | 2168820 |
| actggttttc  | cttcaatgaa | gccatcatca  | gggaacacct  | taaagggtgg  | cgcaaggcga  | 2168880 |
| tagccgttga  | tccgtctttc | attccaaaaat | caggcagcaa  | aacgccgtgg  | attggctatt  | 2168940 |

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| tagacgttga  | caaccatgaa  | tgtatgactt  | tgggctctgt | acagacacct | gacaacgcaa  | 2169060 |
| cgctggaaaag | ctgtgagaag  | aatcttgttg  | actggtacag | ctcttacctt | atcagcatac  | 2169120 |
| aggaacagct  | gaaacgtatt  | tctggcacag  | tcgtgtgtga | tgcgttcttt | tcaaaggcaa  | 2169180 |
| ctttcatcaa  | accattgtac  | gataacggtt  | tccacgtaat | aagccgtttc | aggaatgatg  | 2169240 |
| ccgtattgtt  | ttatcccacc  | ttagaaaata  | ggacaggaaa | acgcggacgt | ccaaaattac  | 2169300 |
| atgacgagaa  | aattgacttt  | gaaaatctgg  | acatcacaag | atgtaccgag | tacaaagtga  | 2169360 |
| acaagggtaa  | actttacgga  | ctgaaagcat  | actccaaagc | actcaaagc  | tttgtgagcc  | 2169420 |
| tggctgtatg  | gtaccccatg  | gatggaagaa  | cggacaaatg | gcagctgtat | ttctctacaa  | 2169480 |
| acgaaataca  | gaacgcacag  | gatgtcctgg  | acttttacag | aacacgtttc | caactcgaat  | 2169540 |
| tctgctttcg  | ggatgccaa   | caacatgccg  | gaatagcaaa | ctgtcagtct | acagacttca  | 2169600 |
| ggaaactggc  | attccacttt  | aatgcatcac  | ttgcagcgat | aaacctcgcc | aaggctgcct  | 2169660 |
| gtaagaagat  | gggaataaaa  | tattccatat  | catcatgcaa | gtcagtcata | cacaatgctt  | 2169720 |
| acatgcttga  | acgatttatt  | tgcgtgtctg  | ggattgaacc | aaacacgcaa | ttaattgaca  | 2169780 |
| aacttttcaa  | agaactcatt  | ttattttactg | ccagagccgc | ttaggccggg | ctaattttta  | 2169840 |
| acgaactatt  | ggttttattha | aaaaattttc  | atataccttt | tgcaataata | actttttact  | 2169900 |
| atctttgcat  | ttaaaaaatat | taatctgtta  | cctgcaaagt | aacagaacta | tgaaaacaca  | 2169960 |
| tataaataac  | acagaaatac  | acattataaa  | atatgcggga | catgaagaat | atcatttgca  | 2170020 |
| tactttttct  | gatggttggc  | atatctttgt  | cagcccagaa | tgttgcgggt | aaaacaaatc  | 2170080 |
| tactttacga  | tgtttcgaca  | accatcaact  | taggagctga | aataggcctt | tctcccaagt  | 2170140 |
| ggacgttaga  | cttatcggcc  | aattataacg  | gatggacttt | cagcgaaaat | aaaaagtgga  | 2170200 |
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| ttctgggagc  | acatctactg  | ggcggagtct  | acaatgtaag | caattgggat | acagacttta  | 2170320 |
| ctctcttggg  | caccgacttt  | ggaaaactaa  | aaggacaccg | ttacgaagga | tggtttgctg  | 2170380 |
| gagttggtat  | aggatacggg  | taccactgga  | tactggcaag | acattggagt | atcgaagctg  | 2170440 |
| aaatcggggg  | cgggttacatt | tatacacggg  | cagacaagta | cgaatgtcca | cggtgcggcg  | 2170500 |
| agcaactgga  | agacaataaa  | ccgcaccatt  | atgttggtcc | gaccaaggct | gcaatcaatc  | 2170560 |
| tgatttatgt  | attctaaaga  | aaaggagata  | gagagtatga | aaagaaaagc | ttgctatata  | 2170620 |
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| gtccgtatcg  | ccttcgattt  | taattttgac  | aatctccagc | tacgttccaa | ccgttcattg  | 2170800 |
| gtgttacagc  | ccttcttcaa  | aggagatggt  | ggcgaccaat | ggctccctgc | tggtgaagtt  | 2170860 |
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| ccttaccgtg  | taataaaaac  | aggtaaagac  | atacagcgac | agcttcctta | tgcaatcagt  | 2170980 |
| ctgccttatg  | agccatggat  | ggaaaacgct  | tcactctatt | tgggagaaga | cgaatgtgga  | 2171040 |
| tgtggacagg  | tcatcaatat  | gaagcaacac  | ccccttgctg | tagcagatat | agcctggcat  | 2171100 |
| cctgccctcg  | cctatcttac  | gccaaaagta  | gaaactgtaa | aaagccgtca | gctcagcggt  | 2171160 |
| catgcctatc  | tggattttcc  | ggtcaacaag  | accgaaatta | atccagacta | ccgccgcaat  | 2171220 |
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| gcccgactgg  | cagaaggacg  | taccaacgct  | ttaaagcaat | acctcattga | ccgttatgctg | 2171400 |
| ctggccgaca  | cattatthaa  | tatagccttc  | gagcccgaag | actggcaagg | tttccgcaag  | 2171460 |
| tacgttgaga  | caagcaacct  | tccggacaaa  | gaagagatta | tacaactgat | agacagtaat  | 2171520 |
| gaagatatcg  | acgtcaagga  | acgccagata  | cgtgcacgct | atcctcagtc | atatcgtacc  | 2171580 |
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| agaggattca  | atgtggacga  | agcgaaacag  | ctcattcata | cgcgccgca  | aaatctcagc  | 2171700 |
| ctcaacgaga  | tgtttgccgt  | agcacagacc  | taccagcccg | gcagcgacaa | tttcaagcat  | 2171760 |
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| gaagccatca  | agtgggttaca | acaagcagat | aatgccggac | taaaagaagc  | aaaaatcaac  | 2172000 |
| ttgtcaggaa  | ttgaataaaaa | aggtccttag | agaaactgat | taaaaagacc  | ttaatagcaa  | 2172060 |
| taggatttat  | taattttaat  | taattatata | gcaattatga | aaaagggtgaa | gtattttaaca | 2172120 |
| ttgctatttg  | cagcaagtat  | gtttgccgca | tgtagtgtat | cggttgatga  | caacagaaca  | 2172180 |
| gaaaatggag  | gtaccactct  | cacgacagga | gacggatatg | taaaagtggc  | tattaatttg  | 2172240 |
| cctaccacta  | gtggcatgtc  | aagagtaaat | gatgacaaca | tgcttgatga  | tggtttggaa  | 2172300 |
| ggagaatatg  | cagtagaaaa  | cgaataata  | gcatttttta | aaactactac  | ttccggaaat  | 2172360 |
| cctgatgcca  | gtgcgacatt  | cgtcaaagct | tatgacttag | ggacattaac  | tcaacaagat  | 2172420 |
| gatcagagtg  | atgctcaagt  | ttctacccgg | gtaacaacaa | cgaccgaagc  | accatttggt  | 2172480 |
| ggcactggtg  | aacaacttta  | tgcactcggt | attctgaacc | ctactgatgc  | tgctcgcttca | 2172540 |
| gtagaggcta  | caactgggac  | attaaaaatt | aatggtgaag | ctttaacctc  | aacgtctaca  | 2172600 |
| ctttcagctt  | tacaagcaaa  | acttgaaaat | cagacattat | ctaattattc  | aggaactaaa  | 2172660 |
| ttcttaatga  | caaacgctcc  | attgtcaact | gttgtaggaa | atagttcagc  | ccttgctact  | 2172720 |
| actgctactg  | ctaagacatt  | ggttcctgta | accgtttatg | aaacaaaagc  | tgctgccgaa  | 2172780 |
| gctgataaag  | accctgcaaa  | aatctatgta | gagcgtgtag | tcgcaaaagt  | tactttgtca  | 2172840 |
| ggatttactt  | ataacaatag  | tgaatatact | aaaaccgcta | cagttttcaa  | taccaaacca  | 2172900 |
| aatggagatg  | acgaaagtgt  | ctataacggg | gatataatca | agcttactgg  | ctgggcatta  | 2172960 |
| aatgtaacca  | ataaatcaac  | taaattggta | cgtgatgtaa | cggattcttc  | tggttggcta  | 2173020 |
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| aatcaatctt  | attatcgtat  | ttattgggct | gttgatggaa | attatacaaa  | ggatacaacg  | 2173140 |
| atacctgcta  | gtgattttac  | aacctataca | aatgccaatc | agccagggtac | agatagttgg  | 2173200 |
| aatgcaaatg  | cggaaacatga | tcaatctagt | tccccattat | attgcttcga  | aaacacgatg  | 2173260 |
| gatcatagtc  | aacaattaca  | aaaccgtacc | acaagcgtat | tgctgaagac  | tgaatatcgg  | 2173320 |
| gttaaattca  | gcgataacga  | tacaccagct | gctcgtgatt | tctttatttg  | cggtacaacc  | 2173380 |
| ccgactaaat  | atcctgctgc  | agacataact | gagggtagca | ttaaagggtat | agttttctcat | 2173440 |
| gtaaaagaaa  | cagccttctc  | tggagagtca | tctctagacc | tgcaactgaa  | cactaacgct  | 2173500 |
| gccggaggtt  | cttatgacag  | tgctgacgat | atgaaaaaac | tattttaaatt | aggtgaatca  | 2173560 |
| acagacctga  | caaccgaaca  | agctgaagca | atctggaata | caattggtac  | aattaagtac  | 2173620 |
| tataaagggtg | gagtaagcta  | ttattacgca | accctaatac | gacatttcaa  | tgattcagaa  | 2173680 |
| acgccatggg  | atgcgagtgc  | ccccacctat | gcattgaaac | atctgggacg  | ttatggcggt  | 2173740 |
| gttcgtaaca  | actggtatga  | cattaatatc | actagtatca | gtggtcctgg  | tgatcccga   | 2173800 |
| attactactc  | cgtcagaaga  | tctgatgac  | caagctgaag | gctatgttcg  | tgccgaaatc  | 2173860 |
| aacgtcctct  | catgggctaa  | acgttctcag | aacgtagatc | tataaatcat  | attattaagg  | 2173920 |
| tagggactgt  | gattttgaac  | acaatcccta | ccctactcaa | ccaaagatat  | aaaaacattt  | 2173980 |
| tatatgaacc  | attgtgccaa  | acataacta  | ggggtaggct | ggctggcatg  | cttgctgctg  | 2174040 |
| gtcttatccg  | tcacgtcgtg  | taccgactta | attttcgaca | gccgtgaagg  | gtgcgaacga  | 2174100 |
| ggagtatacy  | taaactttaa  | atagactac  | aacctttatc | gtgccgatat  | gtttgccgat  | 2174160 |
| catgtaggcg  | aagtgacact  | ttatgttttc | gatgaacaag | gaaactatat  | tacacagtgt  | 2174220 |
| acagaagcta  | atgaagaggg  | aatgaaccg  | ttaaaaaagg | ctgattacgc  | catgttcctc  | 2174280 |
| gatttacctg  | aggaaccta   | ccgctttata | gcgttggcac | atcaacgcaa  | atacgatgac  | 2174340 |
| ctgattcaag  | aagaagggtgc | caagttccgg | cgcacggaaa | tgaacgaaaa  | caatgtgatg  | 2174400 |
| gaggatttga  | aaattaccct  | tgatcacatt | tcaacatacg | aaggagaagt  | gtatatagac  | 2174460 |
| catcagaatc  | aaccgctcga  | taccctatgg | catgccatgt | ccgaggaaac  | cgtagaagta  | 2174520 |
| acacaaggaa  | aaatggctca  | ccatacgatg | tctttagtcc | gtaataccaa  | atacatcagt  | 2174580 |
| gttaccttga  | gagacatcga  | agaaccagat | ttaatggata | tcaacgatta  | tgagttgtac  | 2174640 |
| ataaaaaggag | caaatgtaca  | gctaaatcat | gacaactcgg | caagtaatca  | ccccagagcc  | 2174700 |

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| gtaggaaaca  | tgggacatgc  | cgattttatg  | acttcccgcg  | ttttcgttca  | cgataactta  | 2174820 |
| gcagatgatg  | aagtactgat  | agtaaaaaat  | aaaaagacag  | gcaaaaccgt  | gatcgaagta  | 2174880 |
| aatttaccgg  | acttgcttag  | ccgtctgtgt  | aactacgacg  | agctgcatcg  | ctactcccgt  | 2174940 |
| caggagtttc  | ttgaccgcgg  | ctacgattac  | aatctctcat  | tcttcctgtc  | tggaggcaat  | 2175000 |
| tgggcatacg  | ctaacgtatc  | cattggcgta  | ttgggatgga  | gcaaacgtat  | tcaaaatgta  | 2175060 |
| tcattaggag  | aataaatacc  | atgaaacgac  | ccgttctgac  | atacttattt  | ttcttctgtc  | 2175120 |
| tggttctgat  | aaccgcagct  | tgcaaggatg  | atagccttcc  | agcctcttct  | gtagaaaagg  | 2175180 |
| aaggtggaag  | caatgtatat  | gtaagcattg  | ttgtgaatac  | agaagattca  | caaaacagcc  | 2175240 |
| gtgtttccac  | tcccactccc  | ggagaagatg  | gagacggccc  | acaaattggc  | gtaaatagaag | 2175300 |
| agaatgtagt  | acacgacttg  | aatgtattct  | tctttcatac  | aaccgataga  | aaaggactaa  | 2175360 |
| atacgaaaga  | tcagtcagta  | aacgttgttt  | caatatattt  | cgaccaacta  | acaggtagta  | 2175420 |
| cgacaaaata  | tacaacagaa  | acgaaagaga  | tagaaggttt  | agagataggt  | tcgtcttata  | 2175480 |
| atgttctggg  | cattgcaaac  | ttgggcaccc  | ctttaaacat  | aaccacctta  | aatcaactgc  | 2175540 |
| gtgagtaccc  | cgtttcaact  | ccgatagtac  | aaacgaatta  | ttttgtaatg  | gcatcttccg  | 2175600 |
| aaacgggaac  | ccctgttaca  | attcaagcca  | cttccaaaaa  | caatccgacc  | gtggtttcag  | 2175660 |
| caaacgtaga  | acgactggca  | gcacgggtgg  | attgtcattg  | ggatactgag  | tatttagtg   | 2175720 |
| agaatgatac  | agttatcatc  | acacaagcca  | tgtagtcaa   | taaatataca  | ggaggaacgt  | 2175780 |
| atgccttcaa  | acgagtaacc  | aattctacta  | cagactttac  | aattgattat  | ttgggagcgg  | 2175840 |
| aaaatgtaga  | gggaaatcgt  | gctgcaaatt  | atgtcataga  | ccccaaaaca  | ctgaaacaaa  | 2175900 |
| ctgatatcgc  | tgctgattat  | cagccctatt  | ttcctacgta  | caacaattgg  | agtgtctacag | 2175960 |
| atgactggaa  | atcattgtct  | acagctgtaa  | cttctactca  | taacgatgta  | acctattcct  | 2176020 |
| tgtctgacta  | tacaacagag  | aatgtggtaa  | aagcagaaga  | tagtaaaaaat | acatgtgcc   | 2176080 |
| cttattgtac  | cggcattgtg  | tttaaagcaa  | aatatcaacc  | tgcagggtatt | tctactactg  | 2176140 |
| atgggtatttc | tactactgat  | ggtaatcgta  | ccttttaccg  | atataacggg  | aaatgctatg  | 2176200 |
| cttcattacc  | aaaaataaaa  | aatgtaatcg  | gagatcaatc  | cattagtgat  | gataatttgt  | 2176260 |
| cccaatttgg  | tattactaaa  | tatcaagacg  | gcatctgtta  | ttatacttac  | tggataaaac  | 2176320 |
| atgccgaaga  | cggagatgat  | acaacgggtca | gtccgatgga  | atatgccatt  | gtacgcaata  | 2176380 |
| acatctatca  | gataaacgta  | acaggaataa  | acgatatcgg  | cacggtaacg  | cctacagact  | 2176440 |
| atggcttgta  | tttggaaatgc | acgggttgccg | actggatttc  | ggaagctgaa  | atcacaatcg  | 2176500 |
| atttcagcga  | taattatgat  | ggagagatag  | caggaattca  | tgttgtagac  | aatcaagatc  | 2176560 |
| aagatgctgt  | actcgttgct  | tatagtcagg  | acaacgagg   | ccgcgatgct  | caattctctt  | 2176620 |
| tcacgatgaa  | tactccggta  | ggcattggat  | ggacggccca  | ccttaccat   | ccggatgatt  | 2176680 |
| ttgagtttgt  | aggcgactat  | catggtgtag  | gaggtcaagg  | tcctgtcatg  | ctgcgtatac  | 2176740 |
| accccagaaa  | aactttcgag  | gaaggagtaa  | ctcgcgaaac  | ggacatgtat  | atcaccatag  | 2176800 |
| atacagacaa  | tagttcatta  | gacttcaacg  | tgagctcggg  | tgataagttc  | ccgggaaata  | 2176860 |
| aaaatattat  | ccatattcag  | caagttagca  | caattgaata  | tgacaatctt  | ctaaataatt  | 2176920 |
| cacaaaactg  | agcactatga  | aaaaaagaaa  | tattatatat  | agcattgttt  | gtacattgtg  | 2176980 |
| ctgtttcatc  | tgcttttcgt  | gttcggatga  | aaaaggcaat  | ccccttgcct  | cttctacaga  | 2177040 |
| aacaggacta  | accttgcaaa  | taaacgctgg  | acagaatact  | tttaccctg   | ccgatggaat  | 2177100 |
| tactgacagt  | tccgcagaaa  | gtgcatggga  | caacgtcatt  | cgttatttgg  | atgtattcat  | 2177160 |
| attcgatagt  | acgacgggaa  | aactggttcc  | gaattgttat  | ttccattttg  | gcgacggctc  | 2177220 |
| aaacaatatc  | gttgatccgg  | tttgcttgat  | ttcgggcaat  | tggaaaaacc  | gtttccagaa  | 2177280 |
| tcacgaaact  | tgtgacgtat  | atgtgatagc  | caattttacat | atccattctc  | caggaaacaa  | 2177340 |
| tacagcaagt  | gaaactgatt  | tagaacagat  | tcaaaactctc | agtgatttgc  | agcaactcgt  | 2177400 |
| agacgaatat  | atatatatat  | atcaatccgt  | ttcacaagat  | agtaaaatgc  | cttttaccat  | 2177460 |
| gagcgggtat  | agcatgttga  | aaccggctga  | atcttccaat  | gtatatacca  | tatctgttga  | 2177520 |
| attgaccgga  | ctggccgcaa  | aaatagagat  | atcttttagat | ttgaagttta  | caacagacca  | 2177580 |



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| atatagtgtc  | cataactatg  | caacgaatgc | acgagtcttg  | cccggtaatg | atgatacatt  | 2177700 |
| cggatatacc  | atagcatctg  | cagcagaaac | gagccttaag  | tttatggaca | aagacgattc  | 2177760 |
| cggcaactca  | gttcctaaga  | ttattgccta | cacttatcct  | accgaatgga | gtaacgatat  | 2177820 |
| cttaaaggaa  | acgtatgtca  | ttctcaacgc | gcaactgaaa  | agaactactg | atcagggggg  | 2177880 |
| agatcctcaa  | tatatgaaca  | actattacaa | gattcctctc  | cgctctctta | ccaacgataa  | 2177940 |
| caagaaactg  | gagcgttaact | acaggtataa | agtaaaggct  | aaaataacag | cgaaaggaaa  | 2178000 |
| tgccacaccc  | gatgagccgg  | ttgaagttac | aaacgtacaa  | tacgaagtag | ctccttggtg  | 2178060 |
| tgatacgaat  | atagatatta  | acggagacac | tccactgtat  | ctggaactga | gtgaatatga  | 2178120 |
| tgtggtgatg  | cgaaatgtgg  | atacgtatga | tttaacgttt  | gcatcgtcaa | gccagatagt  | 2178180 |
| aaaagatcta  | accagccaaa  | aagcagaaat | tgaatcaag   | gaaatatttt | acaaaaataa  | 2178240 |
| atatggtaaa  | aagatagatt  | taacgggcaa | caacgaaatt  | atgggcaaaa | cttattttaag | 2178300 |
| tgtagatgga  | ggtttaaatg  | gtcatctggt | tatacacagc  | cccatacccg | aaaacaagac  | 2178360 |
| catccgttat  | atcacactaa  | cggttaagaa | tgcgcaatac  | aatgagtctg | atcaaggtag  | 2178420 |
| tcacagttgt  | atcaagaccg  | taaccatcaa | acaatatccc  | ttggaatata | ttacaggcat  | 2178480 |
| ctccggattg  | tattcgtatt  | tggatgaaaa | taccggagca  | tggccaaatg | acctatacca  | 2178540 |
| attaaattat  | aattcttggg  | ttgttgataa | aaatacggaa  | ccacaacaat | atactataaa  | 2178600 |
| caaatcattg  | aaggattctg  | caattgttaa | aggattaaat  | ggacacatag | gcgataataa  | 2178660 |
| agaaatgaaa  | agtaaattct  | atgtggaaaa | taataacggt  | gaaggccgaa | tttttcgtat  | 2178720 |
| agatctaagc  | tatttaaagg  | actatgaaaa | agttccagcc  | ggaacaggta | agtataataa  | 2178780 |
| tgtatatact  | tatgaaggaa  | aagaaaaagg | gaattacaca  | attacagcaa | cagaatcaga  | 2178840 |
| gtggggagat  | tacacccaaa  | atagtataaa | agattatatt  | gaaaaaaatg | tggatggact  | 2178900 |
| aggtggatat  | acattagcaa  | taaaaaatgt | tggaaaaaat  | aagggtgact | actcccatag  | 2178960 |
| ctatatattcc | cagcaaggag  | gcaactatat | tagaactaaa  | gatacagatt | ttattcctaa  | 2179020 |
| cttggatatac | tatttggaag  | ataatggtac | agcttccaat  | aatcagatgt | atcatgtagt  | 2179080 |
| tattacgtcc  | acttctggag  | attatcaatt | aggacgtcca  | atcatgaaag | aggagattgt  | 2179140 |
| tgatcccaat  | aatcttgaca  | atgacaagct | ggtatctcct  | tctttcatgc | ttgcatcaca  | 2179200 |
| attaggaat   | agttctacaa  | taagttggga | ggacgctaaa  | aatcaatgta | agaattatgt  | 2179260 |
| agaagtaggc  | ataaatggag  | aagtctacga | tgactggcga  | cttcctaccg | cggtgaaat   | 2179320 |
| taatatcatc  | attaaatatt  | agacagatga | taaggtaaat  | acgaaagata | acagagccgt  | 2179380 |
| aatggattat  | gtattgaatt  | atgaaggcca | aagcaatcct  | gattattggg | tttcacgctc  | 2179440 |
| taattacttc  | atgcatatac  | ctgcaagtgg | agcaggaaca  | ttagaaaaag | aagaatcaag  | 2179500 |
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| acctttcgaa  | gtaaaaaaag  | aataagttat | gattaagaaa  | atagcattct | atctcatagc  | 2179620 |
| aggcatcgta  | acgatgcttt  | ctggctgtgt | cgaccgggat  | atgggaaaga | caggcgatac  | 2179680 |
| cagcctgccc  | gatgaactga  | gccttcggtt | cagtttttac  | ataccgggaa | atacggtagt  | 2179740 |
| caatacccg   | tctattgacc  | ccgacggaga | gcctgtttca  | tctatctggc | tgttttctct  | 2179800 |
| caatgaaagc  | ggttattatt  | tagggcatgt | acgagcaaat  | gaagttacat | acgaaaaaac  | 2179860 |
| agataccgat  | accggtacat  | atgaggagg  | tacattctct  | accccttcta | tcccagcac   | 2179920 |
| ggtgcgcagc  | atccacttta  | tagccaacta | taatgcggca  | gatgtggacg | acagtgaatt  | 2179980 |
| gctgaaccgt  | acagaaaaag  | aagtaatgac | ccgtttttacc | tcttcacg   | gccgactggt  | 2180040 |
| atattgggg   | cggaaagttt  | ttaattcaga | aaccaagttg  | acttcataat | ttaaagataa  | 2180100 |
| gtccacatcg  | ccgatcatac  | tttaccgcaa | tcaggcggct  | gtcacttatc | agaaagcaga  | 2180160 |
| gaatgtaacg  | gatgaatttg  | aaattcaagg | ttttgccatt  | tgtaatacat | acgccaaagg  | 2180220 |
| tacggtcgtt  | ccttacaatc  | atcagaatga | aaaaaatccg  | ttcgatttca | atttaacaac  | 2180280 |
| agagagccaa  | ggacgtgctg  | tccacgatta | tgtgacactc  | tgctctggtg | aagatctgat  | 2180340 |
| aaaggcaacc  | gatccggagg  | atacgaagt  | acagaatgaa  | tggggactac | gctatgtttt  | 2180400 |
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| ttatatTTTt | aacttcctca  | gtgctcccc  | aaccacattg | ggatatgcca  | cTTTTgagga  | 2180580 |
| agcaaaaaat | ggcgtagctg  | ccaataacgt | atgggtatct | atagataatg  | aactgccttc  | 2180640 |
| catcggcgac | ggaacttctg  | cgctgacgat | tgaggagaa  | acaacccgaa  | tctatacgga  | 2180700 |
| acgaaaagat | gaggtcatca  | actttacctg | cacaggagga | attacgtccg  | atcaggtaac  | 2180760 |
| tgctacttgg | ctttccaacg  | aaggactggc | aagcagcgac | ctgaatttac  | agtatgatcc  | 2180820 |
| cgctaccggt | aagggaagtg  | tgactgtttc | cctgaatgaa | atagccgata  | ctccccata   | 2180880 |
| tggtacgtta | cagataaagg  | caggaaagta | tccgcgacac | atacagattg  | tctatttgaa  | 2180940 |
| taaattcgac | tttgcaccgg  | tatggacttc | cagttcagta | ccgagacgtt  | ccggcgaacc  | 2181000 |
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| caaaatttcg | tgcaacctgt  | tcgatgcaaa | cacaaacaac | cagttggaag  | tgatagagga  | 2181120 |
| agaaaccgct | ttcaccatag  | atggagtga  | ggtagaacga | gactgggatt  | acaaatatgt  | 2181180 |
| atacaaaagg | gacaagccgg  | gcttgcatcg | tgtggacttc | aaaacgctga  | taaacagtta  | 2181240 |
| ccctgataac | cctgacaatc  | ctgcaacgga | gaacgagga  | ttgacctgg   | ttctggaagc  | 2181300 |
| accgtatttc | aatacgatag  | aacgaactat | caatatggtg | aatgatgagt  | atgctgacca  | 2181360 |
| gaagattatt | atttacgaaa  | cgacattgaa | tggtaatcaa | gcacccggtg  | cttacgaacg  | 2181420 |
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| acctggacat | caggaaggta  | agtggccgc  | taatttaagc | gaaaccaat   | atgatgcccc  | 2181600 |
| caatgcaggc | cgatatTTt   | tctatacgg  | tccagaaggc | gcaacatata  | atgaaaacaa  | 2181660 |
| taacaccaga | tacctgtat   | ccattccttt | ccgcacggtt | tcggctcaat  | gtgaagggtta | 2181720 |
| tgctcgtatt | gcggtgccca  | gtaccgatgg | caacgatgct | gaccattgct  | ataagtcagc  | 2181780 |
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| aaagaatcag | attcttagcg  | gaaagataca | gattaataat | ggctatacat  | tccagacgac  | 2182200 |
| ttctcctttc | attgcttttg  | agaaatcgga | tggtacacgt | atcggggcgt  | ttactgtaac  | 2182260 |
| tccaaccatt | ggcggaata   | caggaatcta | tcagttgact | ctccgtggcg  | aatacgactt  | 2182320 |
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| ccttctttcc | ggcaagcaac  | gtattcttca | tcaacgatac | gatgggtcatc | ggtcctactc  | 2182680 |
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| tcactactgc | accttctttt  | accatgtcgg | ctttcacaaa | gttgggctgt  | cccatggctg  | 2182860 |
| caataataat | atctgcttca  | cggcattctc | ttacaagatc | cttgctccgg  | ctgtgacaaa  | 2182920 |
| ccgtaaccgt | agcatcgccc  | ggataggctt | tctgcatcat | cagcatcgcc  | atcggcttgc  | 2182980 |
| ctacgatgtt | gcttcttccc  | aaaatcacac | atttcttgcc | ctgagtttcg  | atgttatagc  | 2183040 |
| gtctcagcaa | ttccaaaatt  | ccatttgagg | tagccgatac | ataacaagga  | agaccaatcg  | 2183100 |
| acaatcgccc | tacgttgata  | ggatggaac  | cgtccacatc | cttgcggtag  | tctattgttt  | 2183160 |
| caatcacttt | ctgctcggag  | atatgtttgg | gcagaggcaa | ctgtacgata  | aatccgtcaa  | 2183220 |
| tatcgggatc | gttattcaac  | tcgcgtactt | ttgccagcag | ctcttcttca  | gttacatcgc  | 2183280 |
| tttcgtaacg | gatgagcgtt  | gacttgaac  | cacatacttc | acatgccttg  | acttttgccg  | 2183340 |

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|             |             |            |            |            |             |         |
|-------------|-------------|------------|------------|------------|-------------|---------|
| caacatacgt  | ttcacttcct  | ccgtcgtgtc | ctaccaacac | cgcagccaga | tgcggacgct  | 2183400 |
| tgctccacg   | ggcaacaata  | tcggctactt | cggcagcaat | ttcttgcttg | acctgttccg  | 2183460 |
| aaacctcttt  | tccattaatc  | agtgtcataa | tacaaactgc | tatattaggt | tattcatagt  | 2183520 |
| actaacaat   | ttacgacttt  | tcgacggggc | ctgacagaga | tggaatctgt | gtttatatatt | 2183580 |
| tattaacttt  | catttgaccg  | gcaggtccga | gtatttctta | tgccccgta  | ccttcgactg  | 2183640 |
| ccacaagatg  | ctgaacgaaa  | atcgtccgga | cacgttgaag | cagacggcat | tatccaagtt  | 2183700 |
| ctcctgccgg  | tcggctttaa  | actgcggaca | cagacgggca | tattcttttc | tcgcctgtat  | 2183760 |
| cacggcacgg  | aaatttcccc  | agtgcctttt | cagcaaaaag | acacatgctg | ccacatagtc  | 2183820 |
| cagacacgcc  | cgtatcttca  | taaccggacg | caattcttcg | ggaggaaggt | ttttatacag  | 2183880 |
| catcagcagg  | ttattgcgga  | aattcagaaa | ggtcttccgc | ggattctctt | tcttcagcgt  | 2183940 |
| agctcctcct  | acatgccaga  | ctttgctttc | gggcaggcag | aagagtttgt | aaccacggct  | 2184000 |
| tcgcaaacgc  | cagcacaagt  | ctatctcttc | catgtgggca | aagaaacgtc | cgtccagacc  | 2184060 |
| gcctacttca  | cgatatttat  | ccaaccggat | aaacaacgca | gctcctgttg | cccaaaaaac  | 2184120 |
| agatatcggt  | gtgtcatatt  | gtcctttgtc | tttttctacg | acctcgaaga | tacgcccgcg  | 2184180 |
| acagaacgga  | tagccgtagc  | ggtcgataaa | ccctccggcc | gctccggcat | attcaaaacg  | 2184240 |
| atccttctgc  | ttccagtcga  | gcagtttggg | ctgacacgct | gctacatccg | gatgaaggct  | 2184300 |
| catatatattc | accatcgga   | tcagccagcc | gggagcaact | tcaacgtcgc | tgttgagcaa  | 2184360 |
| taccgcatat  | tcggcatcaa  | cttggtcgaa | agccttggtg | tagccgtcgg | caaagccgta  | 2184420 |
| attccgatcc  | aaacgaatca  | gacggactgc | tggaaactcc | tgctccagca | tgcggcagga  | 2184480 |
| gtcatcgga   | gaccggttgt  | ctgctacgca | cacttctatc | ccctcaccag | cagaaccagc  | 2184540 |
| cagcacggaa  | ggcagaaaagc | ggcgaagcat | ttcggctccg | ttccagttca | agatgactac  | 2184600 |
| agaaaccttg  | ttcatatcat  | tgttcctttc | agtgcagtag | cttcttcatt | gaagtcgccc  | 2184660 |
| agacgaaccc  | gtaccaaatg  | attgtccaga | ttgtcgtcgt | gattcaactc | cacacggata  | 2184720 |
| tagtttgccg  | taaacccatg  | cattggcggt | ccggcttttg | aatgctccat | cagcacgggtg | 2184780 |
| gcctcctgtc  | cgatgtgacg  | ggcatagaaa | gcccttgctt | tttcgtccga | caaagccaag  | 2184840 |
| agccgctggc  | ttctctgatg  | cttatcttcg | ggagaaacca | cataatcgat | cttcagcgcc  | 2184900 |
| tgtgttccgg  | gacgttccga  | atagctgaac | acatgcaact | gggttacatc | cagactacat  | 2184960 |
| ataaactcgt  | aagcctgttc  | aaaatattcc | ggagtctctc | cgcgcgtacc | cacaatcacg  | 2185020 |
| tccacgccga  | taaaggcatc  | gggcatcagc | gatttaattc | tctgtatctt | gtgtgcaaag  | 2185080 |
| agtgccgtat  | cgtaacggcg  | gcgcacatc  | ttcagcacct | cgtcgcaccc | cgactgcaac  | 2185140 |
| gggatatgga  | aatgaggcat  | aaaacgacgc | gaacgggata | catattctat | aatctcgtcg  | 2185200 |
| gtgagcagat  | tgggctcgat  | ggaagagata | cggtagcgct | caatgccttc | cacctcgctg  | 2185260 |
| agtgttttca  | ccagatcgaa  | gaaactttct | cccgtcgtct | tgccaaagtc | accgatattg  | 2185320 |
| acacccgtca  | gcacaatttc  | cttaccgcct | tctgccgcta | cctgccgtgc | ctgctctacc  | 2185380 |
| agatcggcaa  | tctttccatt  | acgactccgg | ccacgtgcaa | acggaatggg | acagtaggaa  | 2185440 |
| cagaaaataat | cgcacccgtc  | ctgcaccttc | aggaaatagc | gcgtacggtc | gcccttgga   | 2185500 |
| cacgaaggaa  | caaaggtagc  | gatattcctt | gtagccgtag | tgatagcctc | accatgctcg  | 2185560 |
| tgttttctcca | gattgcccga  | atatttcatc | aggctgcctt | tctgctcggc | tcccaataca  | 2185620 |
| agatctactc  | cttcaatgtc  | tgccacctgt | cccggcttca | actgagcata | gcattcctgtt | 2185680 |
| accacaataa  | aggcaccggg  | atgttctttt | gccagacgat | gaatggcttg | ccggcatttc  | 2185740 |
| ttatccgcca  | tttcggtcac  | cgaacaggta | ttgattacac | aaatgtccgc | ctgctcgccc  | 2185800 |
| ttacgagcgg  | tacgcacacc  | cgctctcttc | agtattttac | cgatagtggg | agtttctgca  | 2185860 |
| aagttcagtt  | tgcagcccaa  | tgtataataa | acagcttttt | tattctgaaa | aatagtggta  | 2185920 |
| tctgtcatat  | gttaatatata | tgattcgaat | tgcaaagtta | cgcattatta | tctgaacaca  | 2185980 |
| aagataactg  | cctcatctta  | cccccaagaa | aagataaaat | caggatcaaa | aagagtctct  | 2186040 |
| cctctggaaa  | tctgcccgtc  | ccttcagaga | aaatgggaaa | aatcgtttaa | atatacgaaa  | 2186100 |
| gatttacgta  | tttaccttat  | caggaaacat | cttttaggaa | gaaaactatt | taaaaacata  | 2186160 |
| ttttttttga  | aaaaaaacgc  | tccaaagaga | acaacgtatc | aaaaaactct | atatctttgc  | 2186220 |

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|             |             |             |             |             |             |         |
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| agtgttttaa  | gaaaacgaca  | taagtattac  | agatttataaa | aagcaaagaa  | aatgaaaaaa  | 2186280 |
| ttagtatttt  | tgttcgtagc  | attcgctgct  | gtatctttcg  | catcatgtgg  | taacaaagca  | 2186340 |
| gctaacaatg  | aagaagcagc  | tgattcagca  | gcagttgaaa  | cagtagaaga  | agcagctccg  | 2186400 |
| gttggtgact  | ctacagcagt  | tgcagcagat  | tctgcagcag  | ttgattctgc  | agcagtagtt  | 2186460 |
| gctgaataat  | ttcgaacaac  | attcgagaga  | attgaaagtc  | tggcgcatgc  | gaaagcatac  | 2186520 |
| tcagactttt  | tttatgccct  | tacgtttcct  | cattctacag  | gttccctttc  | ctaaaaaaa   | 2186580 |
| ctcttgtaat  | tcaagacata  | aaatttactt  | tccacaacta  | ctccactcca  | caaagattcc  | 2186640 |
| aattctttcg  | cagcaatcgt  | acagatcccc  | ataggatggt  | atccggatac  | acactattca  | 2186700 |
| tttattgcac  | aaagtttacc  | aaagacataa  | aaaaaagaaa  | tcccagagtag | aataaaagtt  | 2186760 |
| ctactcagga  | ttttatcaag  | tatttacaga  | ctgcaaaatt  | aagcttcttc  | tgcaacgact  | 2186820 |
| tcgaaaggaa  | tttcaacaga  | aacttccttg  | tgaagtttaa  | cgattgcttt  | gtagtgacca  | 2186880 |
| acttccttca  | ctgcatcctt  | aacaacgata  | atcttacgat  | cgatgttgtg  | acccaattta  | 2186940 |
| gcaagtctct  | cagcaatctg  | aatattacct  | actgaacct   | agatagcacc  | tgtagcgcta  | 2187000 |
| actttttag   | cgatcttcaa  | agatacacc   | ttcaaagatt  | ctgcaactgc  | ttcagcatct  | 2187060 |
| ttcttaattct | tttccaattt  | gtgagcacgc  | tgtttcaatt  | cttcagccag  | cattttctta  | 2187120 |
| gcagccggag  | aagcgataac  | tgctttgcct  | gtcggataaa  | gatagttacg  | accataacct  | 2187180 |
| gacttaattg  | ttacaatatc  | attctttag   | cccaagttaa  | ctacgtcttc  | tttcaaaata  | 2187240 |
| atttccata   | tcttattcct  | cctttaatta  | ttcatcata   | tcagttacga  | aaggcagcaa  | 2187300 |
| agccaagtga  | cgagctctct  | taacagcctg  | cgcaatacga  | cgctggaact  | tcaatgaagt  | 2187360 |
| acctgtaata  | cggcgcgga   | ggatcttacc  | ctgttcgttc  | aagaatttct  | tcaagaattc  | 2187420 |
| aggatctttg  | tagtcgat    | acttaatacc  | actctttttg  | aaacggcagt  | atTTTTTctt  | 2187480 |
| tttaacgtct  | actgaaggcg  | gagttaaata  | tctgatttct  | gattgttgct  | gtgccatgat  | 2187540 |
| tagttttcct  | cctttttagt  | tgatttaaca  | tttcttctct  | tagcagcgta  | ttctgcagcg  | 2187600 |
| tatttgtcca  | tcttgaaagt  | caagaaacgg  | ataacacgtt  | cgtcacgacg  | gaagtttact  | 2187660 |
| tcgagctttt  | cgattaccga  | cggttctgct  | ttaaattcaa  | tcagctgata  | gaaaccagta  | 2187720 |
| gatttcttct  | gaattgggta  | agccaatttc  | ttcaatcccc  | agttttcttc  | attaatgatc  | 2187780 |
| tcgcacctt   | cccctgtcag  | gatagctttg  | aacttttcta  | ccgcttcctt  | catctgaaca  | 2187840 |
| tcagataaaa  | cgggagttaa  | aatgaaaacg  | gtttcgtatt  | gattcatact  | attcgttgat  | 2187900 |
| taaaatatta  | ataataaatt  | ttcaaattgcg | gcgcaaagtt  | acgacttttt  | ctctaataata | 2187960 |
| caaacgattg  | tgaccttttt  | atatgataaa  | gaatgttatt  | ttgaggcatt  | ttcctataga  | 2188020 |
| atatatggta  | aaagtatcgt  | atatttgcgt  | agttgtttta  | acaataatta  | gatgatagaa  | 2188080 |
| cagtttaatt  | ttgacataca  | gcttattttt  | gctatactta  | acggaagagt  | ttcagctgca  | 2188140 |
| atcaatcgta  | aattaagccg  | taactttcgg  | caaaacggta  | tggacattac  | ttccgaacag  | 2188200 |
| tggacggtat  | tattattctt  | atgggaaaaa  | gacggcgtaa  | cccagcaaga  | gctgtgtaac  | 2188260 |
| gctacattca  | aagacaaacc  | cagtatgacc  | cggctaattg  | ataacatgga  | acgtcagcac  | 2188320 |
| ttggttgtag  | gcatctccga  | caaacgagat  | cggcgtagca  | acctgataca  | cctgacaaaa  | 2188380 |
| accggaaaaag | aactggagga  | aaaagcacgc  | tttatagcca  | acaagacatt  | gaaagaagct  | 2188440 |
| cttcacggac  | tcacactgga  | agaattgaga  | gtaagccagg  | aagttctccg  | taagatatatt | 2188500 |
| accaatacaa  | aagactaata  | gtaaggtttt  | ttattttttt  | tcatcaaata  | atttcctcaa  | 2188560 |
| tacaagaatt  | atcctttaat  | ttgtaaccaa  | gaaaaaaata  | aaccataaaa  | tagaagacac  | 2188620 |
| acatgaaaag  | cttttttaaag | aacttaggat  | tgattctggt  | tgtaatcgga  | gcagtaatcc  | 2188680 |
| tgattgcctg  | ctatttcgga  | ggcaatgtaa  | acgacaatgc  | agtttttagca | acttctctgg  | 2188740 |
| ttctcattat  | cgtgggatta  | atctcttaca  | tcatgctgaa  | caaacgtatc  | gttgagtaat  | 2188800 |
| attgagtcaa  | tccagaaaag  | aaataaaaaa  | acctgaattc  | ttacggaatt  | cagggtttttt | 2188860 |
| tgtgtctatg  | cttttcatca  | ttcctgttca  | ggagtaatca  | gcttatatcc  | tttaccatgg  | 2188920 |
| atattgataa  | tctcgatcga  | atcatcatct  | ttcagatgct  | tacgcaattt  | cgtaatgtat  | 2188980 |
| acgtccatgc  | ttcgtgcatt  | gaagtaatta  | tcgtcaatcc  | agatagtctt  | caacgcaaag  | 2189040 |
| tcacgctgaa  | ggatttcggt  | ggcatgtgca  | caaagcaatc  | ccagcaattc  | agactccttg  | 2189100 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| gtagtcagct  | tggtctgttt  | gtcaccgatt  | gacagaatct | gcttctgtgt  | gtcgaatgta  | 2189160 |
| aagcgaccga  | ttttatacaa  | gttgctttct  | ttgttacgtt | tgccacgaac  | acggcgcaag  | 2189220 |
| atagcttcaa  | tacggaaagt  | cagttcctcc  | atactgaaag | gtttggtgat  | gtaatcgtct  | 2189280 |
| gcaccaatct  | tgaaaccttc  | cagaatatct  | tccttcaatg | tcttggctgt  | aaggaaaata  | 2189340 |
| ataggaaatt  | cagcatttgc  | ctgacgaatt  | tcctgtgcca | gcgtaaaccc  | atctttcttt  | 2189400 |
| ggcatcatta  | cgtcgagcac  | acacaaatca  | tacttattct | tcagaaaggc  | cttgaaaccg  | 2189460 |
| gcttccccat  | cagggaagag  | ctcagccgaa  | tatcctttcg | cctgcaaata  | ttctcttaag  | 2189520 |
| agcatgccaa  | gattctcatc  | atcctcgcac  | aacaaaatac | gcaatttttc  | gtccatatca  | 2189580 |
| gtcttcttta  | aataaaggta  | atacaataat  | aaatttagtt | cccacattca  | gttcactttc  | 2189640 |
| ggcacgtatc  | gttcccttgt  | gatctgttat  | gatctttttc | acataggcca  | agcccaaacc  | 2189700 |
| aaagcctttc  | acatcgtgca  | aattgcctgt  | atgaaccggg | tagaactttt  | caaatatctt  | 2189760 |
| tttcaggttt  | tccttcttga  | taccgatacc  | attgtcttct | atcgatatat  | gaagttttcc  | 2189820 |
| tgattcattc  | caagtacgaa  | ccttcaaattg | gatattaaca | tctggcttct  | tatacttcaa  | 2189880 |
| tgcattatcc  | agaagattaa  | aatcacatt   | ggtgaaatgc | atttcatcta  | cgtagacaaa  | 2189940 |
| cgggtcatct  | gcatcaagt   | ctacatccag  | tgttccatta | caattctcaa  | ctttcaaccg  | 2190000 |
| gaaggatttg  | gttactccgt  | aatcagttc   | attggcatct | acctctttct  | ttttcaacgt  | 2190060 |
| agctttctga  | cgctcaaaca  | tagacatctg  | aagtactttc | tctacctgaa  | aacgcaaaccg | 2190120 |
| cttggtttca  | tcgtttatta  | ctcccgaat   | gtgtttaaac | attgcaggcg  | acttgctgat  | 2190180 |
| tgccggatcg  | ttcaacatct  | gcgagccaa   | agagatgggt | gagatagggtg | tcttgaactc  | 2190240 |
| atgtgtcata  | ttgttgatga  | aatcgttctt  | aatctctgta | agcttcttct  | gccggaagat  | 2190300 |
| gatgtagatg  | gtaaagataa  | acgttaccag  | caataccagc | gtaaagatga  | tagacggaat  | 2190360 |
| catgaaccgt  | acggaactga  | agatgtaatt  | atccattgtc | ggaaagaata  | cattcacaaa  | 2190420 |
| tcccatcttg  | gccggaggat  | ctttttcaaa  | aagcaaccgt | gagtaaactt  | tttcattatc  | 2190480 |
| gtattcataa  | tccgagcaac  | gataaatttc  | ttttccatca | cgatcgggta  | ccgtaaaatg  | 2190540 |
| ataagggata  | tctactccgt  | tattcttcaa  | ctccgagttc | agaaaataat  | ccagctgctt  | 2190600 |
| aaagttcacc  | cgttctttca  | acggcttggtc | gcttgtagta | tacaggatgt  | tataaataac  | 2190660 |
| ctcattcagc  | aaggcacgct  | gataaatata  | acgttccttt | acaatttcct  | gtaggggtccg | 2190720 |
| ggaagtctga  | ggtatattct  | tccctgtaga  | aataatctct | ttaggaatac  | ttgaaggacg  | 2190780 |
| gtttatcacc  | gttttccatt  | caaaagtaga  | aatggtactt | ccatcggaag  | agccaatcag  | 2190840 |
| tacacttcca  | ctagactgtg  | actgatgctg  | catctgaaac | tgctgggaaa  | gctgtgctgc  | 2190900 |
| acgttcggta  | gccgccacgt  | ctttttccag  | atacttttta | gtttccacta  | actccagggt  | 2190960 |
| atgcacagcc  | tgggcaaggc  | ttcgtccgac  | gttttcttcg | aactgttcct  | tacgcatctt  | 2191020 |
| gaccatctct  | tctatatagc  | ttacctgtaa  | ataaagtaga | ctcagaaaag  | aaagccccat  | 2191080 |
| tacaatacct  | aatatccaaa  | tagttgactt  | tttcatggag | gcaaatttaa  | acggctatta  | 2191140 |
| tttacgagat  | actttactta  | acatgtttta  | atctgcgatt | cttttatatt  | aacaaaatcc  | 2191200 |
| gaacttttac  | atgttatatt  | aaaaacttca  | catcccgttt | tccgcgggtct | taatgcaaaa  | 2191260 |
| ataataaaaat | tttaaattaa  | taacaaacaa  | agtaagctaa | ttgtttaagc  | ttcgttaaat  | 2191320 |
| aaaaaaggcc  | gcatttttta  | gaaatgcgac  | ctttgtaatc | tataaaaaca  | gcaattagaa  | 2191380 |
| agtttatgct  | tcttcttttt  | cctgttcttc  | gaattctttc | atcaacttat  | tctgaacatc  | 2191440 |
| cgttggaaca  | agttcgtaac  | ttgcgaactt  | catgatgaaa | gaagcacgac  | cacctgtcag  | 2191500 |
| tgagctcaaa  | gcagtagagt  | agtttgacat  | ctccttcaat | ggaacttttag | cagccagctt  | 2191560 |
| ttcatatcct  | ttttcgctgc  | tcatacccat  | aatcatacct | ctacgtccct  | gcataatcact | 2191620 |
| catgacatcg  | cccagcttat  | cactcggaac  | aaacacttcc | acgtcgtaaa  | tcggtttccag | 2191680 |
| aatcttcggt  | cctgcatttt  | tgaacgcttc  | gctgaatgca | tgacgtcctg  | ccagcatgaa  | 2191740 |
| agagatttca  | ttggagtcta  | ccgggtgcat  | cttaccatca | tatacaatga  | cacgtacatc  | 2191800 |
| acgagcatac  | gaaccgggtca | aaggctcctg  | ttccatacgg | ctcataatac  | ctttcaaaaat | 2191860 |
| ggcaggcatg  | aagcgagtat  | cgatagcacc  | acctaccaca | ctgttaacaa  | ataccaattt  | 2191920 |
| accgccccat  | tccaaatcga  | tggtttccga  | acttttcacg | tttatcttgt  | actcctgtcc  | 2191980 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| attgaactta  | tagacttcag  | gagctggcat | gccttcataa | taaggttcta  | caatcagatg  | 2192040 |
| aacctcacca  | aattgtccgg  | caccacccga | ctgtttctta | tgacgataat  | cggcacgggc  | 2192100 |
| agccttggtta | atcgtttcac  | gataaggaat | cttcggttcg | tagaactgta  | cctgaagctt  | 2192160 |
| ttcgttggtt  | tccagacgcc  | atttcaatgt | acgcaaatgg | aattctccct  | gtccgtgtac  | 2192220 |
| cagaatctgc  | tttaactcct  | tagactgttc | aacaaccac  | gtaggatctt  | cctcacgcac  | 2192280 |
| acggttcaat  | acagccatca  | tcttttctgt | atcagcctca | ttgaccggct  | tgatggcacg  | 2192340 |
| tgtatatatt  | ggattcggat  | acttgataaa | attgaatctg | ttttcgcaat  | ccttgccgtt  | 2192400 |
| caacgtatta  | ccggtcttca  | cgtctttcag | tttcaccgta | caaccgatat  | cgccggcacg  | 2192460 |
| aagttcgtct  | accttttcac  | ggttggtctc | agcacatata | tacagttggg  | ccatacgttc  | 2192520 |
| tttagagcca  | cggctctgcat | tactcaagtc | atcaccttcg | tgtaccacac  | cgctcattac  | 2192580 |
| cttaaagtac  | tgaacatctc  | cgatatgtgg | ctctacagct | gtcttaaaga  | aatacaaaga  | 2192640 |
| agtaggtccg  | ttggcatcag  | gaggaacagg | aacaccgcgg | gtattatgaa  | caactggcat  | 2192700 |
| ttcatcgaca  | aacggaacga  | cattgcccac | gaactccatc | aagcggcgaa  | cgcccatatc  | 2192760 |
| cttaccggca  | catacacaga  | ataccgggaa | catgccacgt | gcagccaatc  | ccttacggat  | 2192820 |
| accttcacgc  | atttcgtctt  | ccgtcaatga | ttcagactca | aagaagcggt  | ccatcaagggt | 2192880 |
| ttcatcgtgt  | tcagccgcag  | cctcaaccag | cgctttatgc | cattcctgag  | ccttttccat  | 2192940 |
| ttcttcggca  | gggatatcct  | ctatggtagg | tgcaccacca | tcgggtcccc  | atgaatatatt | 2193000 |
| tttcattaaa  | agtacatcga  | tcaatgaatt | gaagtcgggt | ccggtagcca  | acggatactg  | 2193060 |
| aaccggaaca  | actttagaac  | cgtaattttc | cttcaactgt | tccaatacat  | ggtcgaaatc  | 2193120 |
| acacttttca  | ctatcaagct  | ggttaaccag | gaagataacc | ggtttaccta  | acttttctgt  | 2193180 |
| ataacgaaaa  | tgattctgcg  | tacctacttc | gggaccatac | tgaccattca  | acaacaaaaat | 2193240 |
| agccgtatct  | gtaacgttca  | atgccgtaat | agcagctccc | acaaagtcac  | cacttcccgg  | 2193300 |
| acagtcgatg  | atattcagtt  | ttttaccatt | ccactctaca | tgataaacgg  | tagagaagac  | 2193360 |
| cgagtaacca  | tactcctgct  | ctaccggaaa | atagtcgctg | actgtatttt  | tggcagtaat  | 2193420 |
| tctgccgcga  | cgttttataa  | taccactctc | atagagcagc | gcttctgtga  | gggtgggttt  | 2193480 |
| acctgatccg  | tcattgccaa  | gcagggcaat | gtttttgatt | tcattggtct  | gatatacttt  | 2193540 |
| catggtattt  | caagatttaa  | ttagtaaaca | aaaggatatg | cttttcatat  | ctcttacata  | 2193600 |
| gtgatgcgca  | aattagaaat  | taatgagcaa | aaatgcaaca | aattcattcg  | tgttactaaa  | 2193660 |
| ctatgttttt  | agacagaaat  | taacgatcaa | gactggatat | tcctcctttc  | tcaaactggg  | 2193720 |
| aaaaagcaat  | aaaaaaggcc  | atgtcacagc | ctcttacttt | accgtgacac  | gacctttttt  | 2193780 |
| gtcaagtatt  | atagcgataa  | tatactatta | ccagatatgt | acacgctttt  | ctggtgcaat  | 2193840 |
| gtacatcggg  | ctttccggag  | taatattgaa | agcatcgtac | caagcctgaa  | tatgaggcag  | 2193900 |
| cgcaccgttt  | acacgccatt  | caccaatga  | gtgaggatcc | gattttgtac  | gagagcgaat  | 2193960 |
| ttcctcatca  | cgaatgttgg  | cagcccatat | tgtagcataa | gccaggaaga  | aacgctgttc  | 2194020 |
| cggagtaaat  | ccgtctacgt  | taccagagg  | atgttctttc | gtagcattct  | ggaatgctag  | 2194080 |
| gaatgcaaca  | ttcaaaccct  | catggtcggc | cagattttca | cctaattgtca | attcaccatt  | 2194140 |
| tgctttcagt  | cccggcaata  | cttcgatgtt | gttgaagaaa | tcaaccatca  | cttttgtacg  | 2194200 |
| agcatcgaaa  | cgttcagcat  | cgcctgctgc | ccaccagtcg | gtcaagttac  | cgttcttatc  | 2194260 |
| gtactgacga  | ccctgggtcat | cgaatccgtg | agtcatttca | tgaccgataa  | ctacaccaat  | 2194320 |
| agcaccataa  | ttgaatgcgt  | catcagcgtt | catatcgaag | aacggatatt  | gcagaatacc  | 2194380 |
| ggcagggaaa  | cagatttcgt  | tagtagaagg | attataataa | gcattttacag | tctgcggagt  | 2194440 |
| catcaaccat  | tcatctttgt  | cgaccggttt | gccagacggg | ctgtacatat  | catccaatcc  | 2194500 |
| ccattttgtg  | gcacggcaag  | cattggccca | ataagaatcc | ttcttgattt  | ccagattaga  | 2194560 |
| ataatccttc  | catttgtcag  | gatatcccac | ttttacatgg | aaagcagcca  | gtttttcctg  | 2194620 |
| agccaccatt  | ttggtgctgt  | cgctcatcca | ttcctgtgcc | tggatacggt  | caccaagagc  | 2194680 |
| ttcctgcaag  | ttctttacca  | gcttcaccat | acgttcctta | gctgctgccg  | ggaaatatatt | 2194740 |
| ctctacatac  | atctgtccga  | cagcctcacc | caacatactt | tctacggcac  | caacggcacg  | 2194800 |
| cttccagcga  | ggagaattct  | gctgacgtcc | agacaatacc | tttccgtaga  | aatcgaaacg  | 2194860 |

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|            |            |            |            |             |             |         |
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| ataagaaaca | tgtttagata | caggaagtgt | attgatcagt | ttttctactt  | ctttcaaagg  | 2194980 |
| ttcgatttgc | attacgttca | ggtctgtaac | ttccttaacg | cccaaaccctt | tcaaataagt  | 2195040 |
| atcccagtcg | atgccagcga | atgtcttctt | caaatcagca | taagacatct  | tatgatagtt  | 2195100 |
| ggcttccgga | tcacgctgct | gaacagcact | gaaagcttcc | ttggcaatag  | aagtttcaat  | 2195160 |
| ttccattaca | tctgccatct | tctgctgagc | ctcagcttca | gagaaaccag  | ccaatgtaaa  | 2195220 |
| gagtttggcg | atatacttct | tatagttctc | acgtacattg | acagtggcac  | tatcattgtc  | 2195280 |
| aagataatat | tccttttcgc | ccaggttaaa | tccaccctga | ctgatctgga  | acatattttac | 2195340 |
| atcactgttt | ttcggatcgg | catatacaaa | gcttgagaag | taagtaccga  | taccgttatt  | 2195400 |
| cagcaattcc | accatcatag | gaatgatttc | gcttttatct | ttcaaagcag  | caatctttatc | 2195460 |
| caattccggc | ttgataggat | tcataccctc | tttattgagg | gttacactat  | ccattgccat  | 2195520 |
| attatacagg | tcgccaatct | tctgagccag | cgtaccctgc | tgattttgtt  | ttgaagccag  | 2195580 |
| cccttcgata | agttcctgca | attgcttgcg | gttgttttca | atcagcactt  | caaacgttcc  | 2195640 |
| ataacgagaa | tactcagcag | tcagcggatg | attcttcatc | cagcctccac  | atgcataatg  | 2195700 |
| atagaaatcc | tgacttgca  | aaactgttgt | gtcaagattt | gccaagtcca  | tgccagaagt  | 2195760 |
| actctttgct | tccttctgac | cggcacagcc | agtcatagca | gcggcaacaa  | gtactgccat  | 2195820 |
| agcagcaaaa | tgttttgttt | tcataagcgt | ttataattat | agagttttta  | atttttaagt  | 2195880 |
| tcttccaatt | caaagaaac  | atttctccac | tcttcctcag | catccgaaat  | ctgttttttc  | 2195940 |
| agctgctgat | gctgttcgta | caatttcatg | tcggaagctc | cctcgggcgt  | agccatctga  | 2196000 |
| gcttccagtg | cagcaacctc | cttttcaga  | cgttcaatca | gcgcttcaca  | gtcagcaacc  | 2196060 |
| tgcttctcca | gcttacggat | tttcttggtt | tgctctttct | gcgcctcata  | cgaaagttta  | 2196120 |
| ctctcgctgg | caggtaccgg | atcgctcttc | ttgacagact | gagcagttgt  | tggcgactga  | 2196180 |
| gagagttgca | gatcattgag | actttccatt | ttctttttct | gcaagaaatc  | gtaaatgccg  | 2196240 |
| ccgatgtgtt | ctttcacaac | tccccaccg  | aactcataaa | cctttgtaac  | cagtccgtcc  | 2196300 |
| agaaactcac | ggtcgtgaga | aacaacaata | accgttccgt | caaactcgcg  | gatggcatct  | 2196360 |
| ttcaatacgt | ccttggaacg | catatccagg | tggttggtag | gctcatccag  | tatcagcaga  | 2196420 |
| ttcaccgggt | ccagcaacag | cttaatcatt | gccagtcggc | tccgttctcc  | tcccgaagc   | 2196480 |
| actttcacct | tcttatcgga | agcctctccg | caaacatga  | aagcacctaa  | tatatcacgt  | 2196540 |
| atttttaaac | gtatatctcc | tttggaacc  | gagtcaatcg | tatcaaatac  | cgtcagattc  | 2196600 |
| tcatcgagca | actgtgcctg | attctgtgca | aaataaccaa | tctgcacatt  | atgtcctatc  | 2196660 |
| accagttttc | cttcgtacgg | aatctcacc  | atgatacact | ttaccaaggt  | agattttacct | 2196720 |
| tcaccgttct | ttcctacaaa | ggcaaccttc | tcgccccgat | tgatggtcaa  | ggtcacatca  | 2196780 |
| tgaaagacga | catgatcgcc | gtacgctttc | tttaccctt  | cgcagataac  | aggataattg  | 2196840 |
| cccgaacgta | tggctggagg | aaatttcaac | cgcagagcag | agttgtcttc  | ttcatcaatt  | 2196900 |
| tcaatcgga  | cgatcttctc | caactgcttg | atacgactct | gtacctgtac  | agcctttgtc  | 2196960 |
| gccttgtaac | ggaaacgttc | gataaaatct | tctgtatcct | ttattttctt  | ctgctgattc  | 2197020 |
| tcataagcgc | gcaactgctg | ttcgcgacgt | tccttgcgga | gtacgacaaa  | ctcgtcgtaa  | 2197080 |
| ggcaccttat | aatcataaat | tcgtccgcaa | gaaatctcaa | tgggtccggt  | ggttacatta  | 2197140 |
| ttaataaacg | cacggtcgtg | acttaccagt | actacagccc | ccggactcat  | tttcaaaaaa  | 2197200 |
| ttctccagcc | actgaatact | ttctatatcc | agatggttgg | tcggctcgtc  | cagcagcaag  | 2197260 |
| acgtccggac | ggcgcaacag | caactttgcc | agttcgatac | gcatacgcca  | gcctccactg  | 2197320 |
| aactcgctgg | tcggacggtc | aaaatcgga  | cggctgaatc | ctagtccgac  | aagcgtacgt  | 2197380 |
| tctatttccg | cccgataatt | ggttcctccc | atcatcagga | aacgctcggt  | atcgtgcgta  | 2197440 |
| aaacgttcaa | tcagttcatg | atagctttcc | gaatcgtaat | ccgtacgata  | ggccagctcc  | 2197500 |
| tgattcatct | ttgccagtct | gtcctgcaac | tcaaatatat | gttcgaatgc  | catttccgcc  | 2197560 |
| tccgccatga | cagtacgcgt | atcactgaga | atcataacct | gcggcagata  | accgatggtc  | 2197620 |
| accctctct  | gtacagctac | gcttccttca | gtaggtttct | gcaagccagc  | cagaatcttc  | 2197680 |
| aacatggtcg | acttacctgc | accgttctta | ccaaccagtg | caatacggtc  | tttcttatta  | 2197740 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atgacaaacg  | aaacatcctc  | gaacaaagga  | gtaactccaa  | actcaacttt  | cagtccttca  | 2197800 |
| atagaaatca  | tatattcgct  | ccaactttac  | aaagtgcagg  | caaaggtagt  | atatttttct  | 2197860 |
| cgtaaattta  | tacattttgt  | gtataaatca  | gcatcataat  | actttttactc | agagagtaaa  | 2197920 |
| caaaaaatcc  | gccgatgaac  | ataaactgtc  | atcagcggat  | ttttatctat  | cagaacaaat  | 2197980 |
| taatgtccct  | gaaattattc  | ttctgtatag  | cgttcaatag  | tctgctcacg  | gtccggacca  | 2198040 |
| acagaaacaa  | tcttgatagg  | agtaccaagc  | tgttcttcga  | ggaatgaaat  | gtaggcgttg  | 2198100 |
| aattcttcag  | ggaattcatc  | ttcgcttgtc  | atcttagtca  | tatctgtctt  | ccaaccggc   | 2198160 |
| atctctacat  | aaacaggttc  | tacaccttca  | gttatgtcga  | acgggaagta  | atcgatttcc  | 2198220 |
| tcgccgttta  | ccttgtaagc  | cacacaagcc  | ttgacggat   | cgaagccatc  | gagcacgtca  | 2198280 |
| ctcttcatca  | agataagctg  | agttacaccg  | ttaatcatga  | tagcataacg  | caaagcaacc  | 2198340 |
| aagtcaaccc  | aaccacaacg  | acgttcacga  | ccggttaccg  | caccgtattc  | atgtcccaga  | 2198400 |
| tcgcgaattg  | tcttacctgt  | ttcatcgaac  | aattcagtag  | ggaacgggtc  | tgagccgaca  | 2198460 |
| cgtgtacagt  | aagctttcat  | gataccatat  | acttcaccta  | ttttgttcgg  | gccagaccc   | 2198520 |
| agaccggtac  | aagcaccagc  | acaaatcgtg  | ttcgaagaag  | taacaaacgg  | ataagaaccg  | 2198580 |
| aagtccacat  | ccagcatggt  | accctgagca  | ccttcgcaca  | atacactctt  | tccttccttc  | 2198640 |
| aacaagttat  | tgattttcatg | ttcgctgtct  | accagatgga  | actgacgcaa  | gtattcgata  | 2198700 |
| ccttccatcc  | actgtttttc  | cagttcgggtg | atatcgtatt  | catagttcag  | gctcttcagg  | 2198760 |
| atcttttcgt  | gacgtgcttt  | ggcagctgca  | tatttttcgt  | cgaagttatg  | caggatatca  | 2198820 |
| cctacacgca  | gaccgttacg  | acttacctta  | tccgtataag  | tcgggccgat  | acccttaccg  | 2198880 |
| gtagtaccaa  | ctttcgaagc  | acctttagca  | gcttcgtaag  | cagcatccaa  | aatacgggtga | 2198940 |
| gtaggcagaa  | tcagatgagc  | tttcttcgaa  | atgtgcagac  | gttccttcaa  | cggatgaccg  | 2199000 |
| cttgccctcca | aagcctcagc  | ttcagccttg  | aacaaagctg  | gatcgagtac  | cacaccgttt  | 2199060 |
| ccgataatat  | tgatttttatc | tccctgaaat  | attcctgaag  | gaatagagcg  | gagcacatat  | 2199120 |
| ttctgacctt  | caaattcaag  | agtatgacct  | gcgttcgggtc | ctccctgaaa  | acgagcaaca  | 2199180 |
| acatcatagc  | gcggagtcaa  | cacatcgact  | actttccctt  | ttccttcgtc  | gccccattgt  | 2199240 |
| aaacctagca  | aaacatctac  | tttcatgatt  | tccaactttt  | atataagttt  | atttactttt  | 2199300 |
| cttacgtttg  | gccaccatac  | atattattgca | caatccatat  | atatataagg  | agtagtgca   | 2199360 |
| agcatgaaaa  | cctttcagtt  | tcgtttcggc  | tattgcctgc  | ttcaagggtg  | catcttcgaa  | 2199420 |
| ctcggaaact  | tttccgcacg  | aagtgcata   | catgtgatga  | tgggtttcat  | tattatacga  | 2199480 |
| acgttcgtac  | tgtgaagtgt  | taccaaactg  | atgtttgatg  | accagtccgg  | catcaatcag  | 2199540 |
| gagtatgatt  | gtattataaa  | gagtagcacg  | acttacacgg  | aattttctctt | tctcggccat  | 2199600 |
| ataagaatac  | agcatgtcaa  | tatcgaaatg  | cccttttatg  | gtatagatcg  | tatcgagtat  | 2199660 |
| agcataacgc  | tcgggtgtct  | tgcgatgcc   | gttcttctga  | agataatccg  | tcagaatctg  | 2199720 |
| ctttgcctta  | tcttttatat  | tctcttccat  | ccggtaatc   | gttcagggtt  | caaagttaat  | 2199780 |
| cttttttgcg  | taatttagaa  | aaacaataaa  | agaaaaattt  | ctttatttga  | gtcttgccctg | 2199840 |
| agcatcagta  | ttccagatcc  | gcttttatct  | cttcggccag  | tgcagtacg   | gtaggattct  | 2199900 |
| ccaatttcat  | ccacagtccg  | agctgcttgc  | ttacgactct  | tttgctttcg  | cgcgactgat  | 2199960 |
| gtgcaaaactt | acgcaaggct  | accgatgcgg  | ctttctgtac  | ctgcatgctg  | ccaccttcta  | 2200020 |
| tggcgggtata | agcctgatcg  | aggaattctg  | cctctgcacg  | ctcgttcaac  | ttttctccct  | 2200080 |
| tcagtgcagc  | acgagccatc  | agcaggaaac  | cgcacagctg  | aaacatttcg  | cgttcgtccg  | 2200140 |
| ccatccagcg  | gaatactatt  | tccgaagcgt  | aaggcaggcg  | ctggaaaaga  | ttcatgaccg  | 2200200 |
| tatactctgc  | cagctccgga  | taatccattc  | cctctatcca  | gatatcggca  | atctcagggt  | 2200260 |
| agaacgtgtc  | gaccggctga  | agtaatcctg  | ccatgatctt  | gcactccctg  | atattttctt  | 2200320 |
| tccacaaggc  | ctgcgccagc  | tcagtattgg  | gctcatattc  | ggcagcaatt  | tcctttatac  | 2200380 |
| gcggatattc  | gataccaaag  | ttgagcttat  | acccatttcc  | tttctcacgc  | atgctttgcg  | 2200440 |
| aaatcattcc  | gttcatgaaa  | agacggaact  | tcgacttgat  | atctctgatt  | gtttcgtgta  | 2200500 |
| tattgctatt  | ctccataata  | aaaataataa  | atcctatagc  | aacagcagtc  | ttatctcaca  | 2200560 |
| acaagctctt  | gctacaggaa  | gatagttata  | aattagaata  | atcccggcta  | taccgaagca  | 2200620 |



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| tctgtctggc | atatccttcg  | gtataagaaa  | tctgtacatc | gacgatattt | cctccggcat | 2200680 |
| cgccctgagg | cgtgtagacc  | ggattcaaga  | agcccttgta | aggtgccaga | tgcaagctgc | 2200740 |
| ggtaacgttg | cagtacctcg  | gcatgcaata  | ccggatctac | ctgtacgccg | tatgtttcta | 2200800 |
| ccagctgacg | tgcggtctcg  | taatcgccct  | cgctcttgat | gcgctgtatt | tctgccagca | 2200860 |
| acttgccgaa | caacgtacgc  | aacttggcgt  | aatcgttgat | acgtacatag | gtctttccat | 2200920 |
| cgcgtacaac | catttcgact  | accttctcgt  | cctttccgtg | ttccaaagcc | cagcgagcaa | 2200980 |
| tcaactggcg | gttgcgcatg  | tgcgcctctt  | ctaccgtaca | tcccggttca | atgctgataa | 2201040 |
| gctgtgtcat | cagtccgttc  | atcatgtacg  | aataatattc | tgccttgat  | gcctcagcat | 2201100 |
| cggaacaag  | tcccagctcc  | accatcttgg  | catcaggcaa | gtaatacagt | ccgaacaaat | 2201160 |
| cggcacgtgc | ttcttcaatc  | gtcagagccat | gagctttcag | cgcacaggg  | tctacgccc  | 2201220 |
| gaagcagctt | gccggagccg  | tgtcccagac  | attcatgcaa | atcggtatgc | aggtcgtcgg | 2201280 |
| ttatgtcggc | atatttctcc  | agcaactcgc  | gttcaacatc | actgtacaca | aactcttcac | 2201340 |
| ggaaaccgtt | tccacgggca  | gccttggtat  | acgcacgtgt | cagattgccg | atagtaaccg | 2201400 |
| acttcgatcc | gtgtacgtg   | cgaatccagt  | tcgaattcgg | cagattgata | ccgatagcag | 2201460 |
| ttgacggata | caagtcgcct  | gccagaatag  | ctgccgtaat | cacctttgcc | gaaacacctt | 2201520 |
| tcacctcttc | tttcttgaaa  | cgagcatcta  | ccggcgaatg | gtcttcgaac | cactgtgcat | 2201580 |
| tgtgtgtgat | ggtttccgta  | cggtagtag   | cttccatata | cttgaaattg | acgattgact | 2201640 |
| cccagctggc | tttcataccc  | agcgggtcgc  | catagctttc | aataaatccg | ttgacaaaat | 2201700 |
| ctacctgca  | atcggtatct  | ttaagccatg  | caatggaata | ggcatcgaac | accttcaagt | 2201760 |
| cgccgctacg | gtaaaactcg  | ataagcaacc  | ggataacctc | aggctgtgca | tcattttcgg | 2201820 |
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| cacctacctt | ccagacctgt  | tcgtatatac  | gaccgtcctt | ctttaccagc | cggctgttca | 2201940 |
| tgccatacat | gaccggttcc  | ggatcatcgg  | ctttcttctg | agccgcataa | aacgcctcag | 2202000 |
| cctcttgctg | ggttaccccc  | tcgtaataat  | tggctgccga | cgtctgtacc | agatcttctc | 2202060 |
| cgtctgcctg | attcacacgt  | ttgggcatga  | cggccggatc | gaatatcacc | ggaaacaatt | 2202120 |
| tgtcgcacat | cgcccgacag  | gtttcacctt  | cttcaagcgg | aagtacttca | gctggcagcg | 2202180 |
| actgaatgac | ctcttccaga  | taagccgccg  | taaatcccgg | tacaaacttg | tcgcacgcat | 2202240 |
| agtgatgatg | aattccgttc  | gagaaccata  | cacgtttcag | gtacacttcc | agtgcacgaa | 2202300 |
| acggttcgct | cgtacggtcg  | ccctcaaaat  | gcgtataaac | agcttccagc | aaacggcgta | 2202360 |
| tctgtaaatt | atacttacca  | ttctgatcaa  | acaaaatata | ccttccttcc | aaagctgcct | 2202420 |
| gcgaaagata | atataatcagt | tgcttctgtc  | gcaacgacaa | ctgctcgaaa | ccgggaaccc | 2202480 |
| gataacgcaa | tatctgcaaa  | tcggcaaaact | gctctacagt | gtatgaaaat | gaattttctg | 2202540 |
| acatttttct | ttttaatctt  | ttaaacaac   | ctccattatc | taaataaaaa | aagccttaaa | 2202600 |
| ctaaatgtca | ttccaaacgc  | aaagaaaaaa  | gtagtcagaa | aaaaactccc | ccataccttt | 2202660 |
| cttccgtctg | gaatgacatc  | ccgtttttat  | tgttgctaag | tcttctctag | ttctagtgtg | 2202720 |
| tatctgttat | tttccagctt  | tcgccttcta  | tagttattcg | gtgtttcacc | tacattcttg | 2202780 |
| taaaacgctg | catagaacga  | ttgtcgatta  | gcaaaaccta | ccatcgact  | gattttcttc | 2202840 |
| acatttttct | ctgcataacg  | cttgtcaatc  | agcatgtgta | aagcgtcttt | aatccgatac | 2202900 |
| tcgttcacca | ggcatgaata  | gttcattccg  | aaacgggaat | tgatgacagc | cgacaagtaa | 2202960 |
| cgggtattag | tctttagctc  | tttcgcaaga  | tcttttgctg | agtaattcgg | gtctttgtac | 2203020 |
| ttcttctgaa | gaacaatgat  | gttcataatt  | ttatcataca | attcgtccgc | caactcggcg | 2203080 |
| cggatcatgt | tacggtaagg  | cgcactttta  | atcttctctt | cccgaagatt | atagggcctt | 2203140 |
| ttctctgaaa | cccgaaccgtt | tccggtcatt  | aatttgcctt | cttctctcat | ctgtcttttt | 2203200 |
| atttagataa | tgggtgtttc  | tacgctataa  | aacactataa | ttatacaaaa | ttgctaagag | 2203260 |
| tttttgtatt | ttacaacaga  | aatacgagct  | tattttcacg | ttatatcatt | ttttcacatt | 2203320 |
| tgaacacccc | tacaaataaa  | agataaacga  | ttatttataa | gattgaacta | tctttgcccg | 2203380 |
| caattacata | aataataagaa | atgggtactga | aaacgctgaa | atcatatttc | ggatatactc | 2203440 |
| aattccgacc | gcaacaggaa  | gaaatcatca  | ctcaaatatt | aaataaaaaa | gacacgctgg | 2203500 |

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|-------------|-------------|------------|-------------|------------|-------------|---------|
| tactcatgcc  | caccggaggt  | ggaaaatcaa | tatgctacca  | gcttccggca | ttacttatgg  | 2203560 |
| aagggactgc  | cattgtagtt  | tctcctctta | tctcactgat  | gaaagatcag | gtggagagtt  | 2203620 |
| tgcaggcaaaa | tggatatcatc | gcccgtgccc | tgaacagcac  | aaacgacgaa | acagccgatg  | 2203680 |
| ccaacatccg  | tttcgaatgc  | cggcagggaa | gagtgaagtt  | actctatatt | tctcccga    | 2203740 |
| ggctcctgtc  | ggaaaatcaac | ttcctgctga | aagatatccg  | tatctcgttg | ttcgccatcg  | 2203800 |
| acgaggcaca  | ctgcatttcg  | caatggggac | acgacttccg  | tccggaatat | acccagttga  | 2203860 |
| aagtgtccg   | ccagcagttt  | ccggatgttc | cgggtggtggc | gctgacggct | acagccgaca  | 2203920 |
| agataacgcg  | gcaggatatc  | atcaagcaac | tggccatgag  | agatccgaag | gtcttcattt  | 2203980 |
| cttcattcga  | ccgtcccaac  | ctgagtctgg | atgtaaaacg  | tggttacca  | cagaaagaga  | 2204040 |
| aaatgcgta   | cattttcgac  | ttcatcgccc | ggcatcgcg   | agaaagtgg  | attatctact  | 2204100 |
| gcatgagccg  | aaacaagacc  | gaaaaagtgg | cggaaatgct  | agaggagcat | ggtatctcga  | 2204160 |
| cagcggttta  | tcatgccgga  | ctcagtacgg | ctgcacgtga  | ggcggcaca  | gatgatttta  | 2204220 |
| tcaacgaccg  | tgtacaggta  | gtctgtgcga | cgattgcttt  | cggaaatggg | atagacaagt  | 2204280 |
| cgaatgtccg  | ctgggtcatt  | cactacaacc | tgcccaaaag  | tattgaaagt | ttttatcagg  | 2204340 |
| aaataggtcg  | tgcaggacgc  | gacggactgc | ctagcgatac  | cttgctgttt | tactctttcg  | 2204400 |
| gcgacattgt  | cctgctctcg  | aagttcgcg  | ctgaaagcag  | ccagcaggaa | atcaacatgg  | 2204460 |
| agaaaactgca | ccgcatgcag  | cagtatgccg | aagccgatat  | ctgccggcga | cggattctgc  | 2204520 |
| tgaactat    | cggcgaaacg  | atggatcacg | actgtggcaa  | ctgcgatgtc | tgccgcaatc  | 2204580 |
| ctcccgaacg  | tttcgacggt  | accatcattg | tgcagaaagc  | cttgagtgcc | atcgcacgtg  | 2204640 |
| ccgaccagca  | ggtatctacc  | aatacgtga  | ttgatattct  | gaaaggagct | gctactcagg  | 2204700 |
| aaatcatcga  | acggggctac  | gacaaattga | aaacgtatgg  | tgccggacgg | gatattccgg  | 2204760 |
| ctcgcgactg  | gcaggactat  | ctgctgcaaa | tgctgaactt  | aggatatttc | gaagtggcat  | 2204820 |
| acaacgaaaa  | gaatcatctg  | aaaataacgg | aggctggacg  | aaaggtgctg | ttcggacacg  | 2204880 |
| aacgtgcttt  | gctggtggtc  | atcaaacgtg | aggattatac  | agaaaagaaa | gcaggcaaaa  | 2204940 |
| aacgcaagca  | gtctgccccg  | aacgatgtct | tgttccctac  | gccaatggtg | ttcgaaaacg  | 2205000 |
| aagacgaaca  | gttgttcgag  | gaactccgtg | tactgcggaa  | acgactcgcc | gaccagcagg  | 2205060 |
| cgataccggc  | ttatatcgta  | ctttccgaca | agacgtccca  | cctgcttgct | tcgtcacgcc  | 2205120 |
| ctacgacgat  | agaggccttc  | ggcgaaataa | gtggtatcgg  | cgaatataaa | agagataaat  | 2205180 |
| acggtaagga  | ctttattgaa  | gtcatccgga | agtttgtcag  | atagggaaac | aataagtcaa  | 2205240 |
| ttatttttat  | caagggttaa  | tcgatgaacg | gtagcctgat  | tcaatgtttt | ctgtttctgg  | 2205300 |
| cttggtactct | ttctgacacg  | cctaaaataa | acaagcatac  | attttcaaaa | aacgtcggca  | 2205360 |
| cattttacaa  | aaaatatgcc  | gacgttttat | ctaaaacctc  | tgacagtttt | ttgaaaattt  | 2205420 |
| gtacaaaatt  | ccagcaaagg  | tttaatcatt | tattattcaa  | tcacttgcat | ttcttcaatt  | 2205480 |
| tctccatcag  | ttccaagcgg  | ggaataccca | acgaaattgc  | tttttcatat | gcttcacttg  | 2205540 |
| cctcgtgctt  | tttctccatt  | tgtaaataaa | tatctcccat  | caccacatag | gtatcagcat  | 2205600 |
| cccgttatc   | caatttcagc  | gcctcttcca | aatcgagcaa  | agcagcatcg | ggcaagttct  | 2205660 |
| gctccagttc  | cagattagca  | cgcactttat | acagggaagc  | atccttcgga | taatcctcaa  | 2205720 |
| tcagcaaaatt | catcccatct  | cgtgcagcga | tgtatcttcc  | ttctttctga | tccagcatcg  | 2205780 |
| ccagtcccag  | acgggcagcc  | ttgtgtttgg | cgtccactcc  | caatattaca | ttgtagtcga  | 2205840 |
| tacgtgcctc  | cttgtagtgc  | cgccgtttca | tatagatata  | ggcacgaaac | agacgagcct  | 2205900 |
| ccttatcggt  | cggtagcagg  | tcgatcacgt | tgcaatagtc  | cagatacgcc | ttttcgggtca | 2205960 |
| gattcttctc  | catgtaaaga  | gtggcacggg | tcagcaggat  | ggctgttgca | taaggagtaa  | 2206020 |
| tattcaaagc  | catggtgtac  | gcttcgatgg | cttcgtctat  | cttcccctga | cgttttcagca | 2206080 |
| cggttcccag  | gttggaaaag  | agcaaagcat | tccgggcatt  | gtacgggtca | agccgcaggg  | 2206140 |
| cttcgcgaaa  | caattgctcg  | gcctgttgca | gactgtcctt  | gaaagtatag | tccatcgcc   | 2206200 |
| tttccaccag  | ctcggtgtac  | gactgcgcac | gaccggttgt  | cagcaagagg | acacctatca  | 2206260 |
| aacatagaag  | tattcttttc  | attcaaacac | aattttaatt  | aaatctgtaa | gcaaaggtaa  | 2206320 |
| tggaataatc  | tgtggggata  | agtgtatatt | aaaaagtttt  | tgtaagtttg | aacaatcatt  | 2206380 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| taaacagaaa | ctatcatgaa | actagaaaaa  | gctatatctg  | cctgcgggtg  | tttttgggga  | 2206440 |
| gcacaatacc | agttcgaaca | tgctaaagga  | gtagtacgt   | ccacagtagg  | ttacatcggc  | 2206500 |
| ggacacaagg | aacatcctgc | ctacgaagag  | gtcaaggcac  | atactaccgg  | acatgccgaa  | 2206560 |
| gcaacgctgg | tagaattcga | tgccgaacag  | acatcgttta  | cagacttatg  | caaacttttt  | 2206620 |
| tttgagattc | acgatccggc | acagaccgac  | ggacagggtc  | ctgacatcgg  | accacagtac  | 2206680 |
| cgtagtgaga | ttttttatct | gaacgaaaaa  | cagaaacagg  | aagccgaagc  | ggtcattgct  | 2206740 |
| ctgctgcgtg | aaaaaggata | cgtggtgaat  | accaaactta  | ctcctgcctc  | tactttcttg  | 2206800 |
| gaagcagaag | aatatcatca | gcactattat  | gacaagacgg  | gaggagaatc  | ttattgccat  | 2206860 |
| atccgcacaa | agaaattctg | atattttccga | tagccagtgt  | aatcagcgta  | tattttataca | 2206920 |
| caatattgga | taatccaaca | aaaaaaagcc  | gttgctgcaa  | aaattgacag  | caacggcttt  | 2206980 |
| ttgttcttat | cattcaattt | cagcaaccga  | aacgaatcag  | gcttttttga  | tgtaatcgac  | 2207040 |
| aatccatgca | cccacttcct | tggttcata   | tttaggttta  | ccctcaacct  | gaatttcggg  | 2207100 |
| agtacgtaca | cattcgtcga | gtgaagcatc  | gactgcctta  | cgaatcagtg  | caccttcctc  | 2207160 |
| tttcaagtca | aagtattcga | acaacatggc  | aacggacaga  | atctgtgcca  | acggattggc  | 2207220 |
| aatgttcagt | cccttagcct | gtggccatga  | accgtgaata  | ggttcgaaca  | cgggagtgt   | 2207280 |
| ctcaccggta | gaagccgaag | gcaacaatcc  | catagagccg  | ctgatgcaag  | aaccttcac   | 2207340 |
| ggtcaggata | tctccgaatg | tattttctgt  | aaccattaca  | tcgaagaagg  | taggttcctg  | 2207400 |
| aatcatacgc | atggcagcgt | tgtctacaaa  | catatagtcg  | gtagtcactt  | ctggataaga  | 2207460 |
| aggagccatt | tcctgtgcaa | tctgacgcca  | cagacgagaa  | gaggccagca  | cgtttgccct  | 2207520 |
| gtcgactacc | gtcagatgct | tacgacgttt  | catggcatat  | tcgaaaccaa  | ccttcaggat  | 2207580 |
| tcgttcaatt | tcgggacgag | tatacatgtt  | ggtatcataa  | gccttgctgt  | tgtcttggtg  | 2207640 |
| tttttcgccg | aaatacatac | caccagtcag  | ctcacggatg  | caaaggaagt  | cggcaccttc  | 2207700 |
| taccagttcg | gcacgtaaag | gtgacttatg  | caacaggcat  | ttgaatgtct  | gaaccggacg  | 2207760 |
| gatattggca | aacaatccca | atttcttacg  | catggcgagc  | aatccctgtt  | ccggacgaac  | 2207820 |
| cttcgcagtc | ggatcgttat | caaatttcgg  | atcgcctaca  | gccgagaaca  | atacagcatc  | 2207880 |
| ggcgttctta | catatttcat | aagttgcttc  | cggaaacgga  | tctccacct   | tgtcgatggc  | 2207940 |
| atccgcaccg | cacagcgcat | attcgtagct  | tactttatgt  | ccaaatttct  | cacacacagc  | 2208000 |
| cgacatcacg | tccacgccct | gaacagagat  | ttcaggaccg  | attccgtcgc  | ctggcaatac  | 2208060 |
| agctatttta | aaatccatag | ttctttattt  | ttttgattct  | tctataatgt  | taagcatttt  | 2208120 |
| aattgtcgcc | ttgatagccg | cttccgtctg  | gtcggcatca  | aagccgcggg  | tacgaaactc  | 2208180 |
| cctgtcctca | tagttccagg | taatgactgt  | ctgcacaaag  | gcatccgtac  | gtccgccggg  | 2208240 |
| agggatggtg | accgcatagt | tcacgagcat  | cgggaaagta  | cgctcctaaga | tgtctttgta  | 2208300 |
| aatcttacgc | aacgcacgta | caaaggcatc  | gtactgtcca  | tcaccggaag  | aactttcctg  | 2208360 |
| ataaaccttt | ccgtcgattt | cgatactcaa  | ggttgccatc  | ggtttcagtc  | cttttgccag  | 2208420 |
| cgtgacaaaa | taactcagca | gtttcacctt  | attggttggtg | gtgtcgtgct  | tcagcacatc  | 2208480 |
| ggatatgatg | taaggcaaat | cttctgtcgt  | aacctgtctc  | ttacggtcgc  | ccaactcgat  | 2208540 |
| aatgcggtcg | gtcactttct | tcacgcactc  | ctcgtccagc  | tccagtccca  | ggctttccag  | 2208600 |
| attcttccgg | atattcgcct | tgccggagtt  | ctttcccaac  | gcatattcac  | gtattctgcc  | 2208660 |
| gaaacgttcc | ggaagcagat | cgttgcaata  | caaattgttc  | ttgttgctcc  | cgctcgcatg  | 2208720 |
| tacgccggcc | acctgcgtaa | atacactgtc  | gcctacaatc  | ggcttattgg  | cagggatggt  | 2208780 |
| cacacccgaa | taagattcaa | ccagacggct  | gaccacattc  | agacgactct  | cgtcgatatt  | 2208840 |
| ggtaattgca | tggaaatgat | ctttcaagat  | tgcttgacac  | ctggccagcg  | gcgcattttc  | 2208900 |
| cgcacgctca | cctaaaccgt | tgatggtagt  | atgcaatcct  | ttgacaccgc  | tcagcacggc  | 2208960 |
| tgccagcaca | ttgctcactg | caaggctcgt  | atcgttatgc  | gcatgaaaat  | caaaatgcac  | 2209020 |
| atcgggataa | cgcttcttca | tcttccgcat  | atactcgata  | acctgcaacg  | gattgaggat  | 2209080 |
| acccaatgta | tcgggcaaca | taaaacgctt  | gatgccgcaa  | tctttcaatc  | cgtccatcag  | 2209140 |
| tccgaatata | taatcgggag | aatcttttat  | accgttactc  | cagtcctcga  | gatagacatt  | 2209200 |
| cacatccatg | cctttttcat | gggcatagct  | cactacctgc  | cgaatatctg  | ccagatgctg  | 2209260 |

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| gatcaccgg   | catcccgcat  | tgtaaattcca | gtcgacagac  | acattttccgt | cgacaaaccc  | 2209380 |
| caacacttct  | acccgagata  | acattccccg  | acgagctgcc  | cagtcgcaaa  | tcattttttac | 2209440 |
| tgcttggct   | tcaccttcgg  | aaacacgagc  | cgaagccact  | tcgatacggt  | cgacttttcaa | 2209500 |
| gtcttccagc  | agtaaacggg  | ctatcattaa  | tttttcatgg  | ggcaciaaagg | acactccgct  | 2209560 |
| ggctctgctca | ccgtcgcgga  | gtgtgggtatc | catgattttct | attctcggat  | gattgttcat  | 2209620 |
| tgaaattgtt  | taattagtta  | cgagcttttt  | cgtaagcttc  | tatttttatct | ttatttttcta | 2209680 |
| ccagaaaatc  | gatgtcgtcg  | agtccgttca  | tcaagcaatg  | tttctttag   | gcattgattt  | 2209740 |
| caaacttttc  | cgacttacct  | gttgcccttat | tggtaatggt  | ttgttccgg   | aaattcactt  | 2209800 |
| cgacctcagt  | tttcggatcg  | gcataaatag  | aatcgaaaca  | ctcttttcagg | aaaccttcgc  | 2209860 |
| ttacgactac  | cggcaacacg  | aaattgttca  | gttcgttatt  | tttatggata  | tcggcaaaga  | 2209920 |
| agctcgatac  | taccacacgg  | aaaccatata  | cggcgatggc  | ccatgctgca  | tggtcacggc  | 2209980 |
| tggaaccact  | accaaagttc  | tttccggcta  | ccagaatctg  | tccgctgtat  | gtaggatcgt  | 2210040 |
| tcagcaca    | atctttgttc  | agcgagccgt  | cgggattata  | acgccagtcg  | cggaaaagg   | 2210100 |
| tatcaccgaa  | gaatttttca  | tcacgggtag  | tcgctttcag  | gaaacgtgcc  | ggaataatct  | 2210160 |
| ggctctgtatc | cacatttttc  | aatggcaagg  | ggatacaagt  | actggttatg  | atgttgaatt  | 2210220 |
| tctgtttcat  | aataaatgta  | caatttttacg | gattacataa  | gtgttctggg  | atcggttatc  | 2210280 |
| acgccgggta  | cggcagcagc  | agcggctgtc  | agcgggctgg  | caagcaagg   | acgcgaaccc  | 2210340 |
| gggccctgac  | gtccttcgaa  | gtttctgttg  | ctggtagaaa  | ccgaatat    | tcctgccgga  | 2210400 |
| atcttatcgt  | cgttcatggc  | aagacaagcc  | gaacatccc   | gctggcggat  | ttcgaaacca  | 2210460 |
| gcttcttcca  | gtatcttgtc  | caagccttcc  | tgacgaatct  | gttcgtctac  | catccacgat  | 2210520 |
| cccggtagaa  | gccatgccgt  | gatgttttcg  | gctttcttac  | gtcccttcac  | gatagaggca  | 2210580 |
| aacgcacgga  | agtcttcgat  | acgtccgttg  | gtgcatgctc  | cgaggaacac  | ataatcaact  | 2210640 |
| ttcttgccca  | acagcgattc  | gcccggctgg  | aagcccatat  | agtgcgaaga  | cttttcgaac  | 2210700 |
| gaacctttct  | ctacatcgct  | cattccttcg  | gtagtaggaa  | tatgatcgg   | aatagccata  | 2210760 |
| cccatacccg  | gattgggtcc  | gtaagtaatc  | atcggctgaa  | tatcggctgc  | atcgaaacgg  | 2210820 |
| acttctttat  | cgaataccgc  | atcatcgta   | ctcttcagcg  | ttttccagta  | agcaagtgcc  | 2210880 |
| ttgtccatt   | cttctccctt  | cggagcatat  | tcacgtccct  | tgatgtattc  | gaaggtaact  | 2210940 |
| tcacccggag  | caatcatacc  | tccacgagct  | cccatttcga  | tactcagggt  | acacaaggta  | 2211000 |
| agacgtcctt  | ccatcgctcag | gctgcggata  | gcctgcctg   | catattcaac  | aaaatatcca  | 2211060 |
| gtagcaccac  | ttgttgatc   | tttcgacatc  | atgtagagcg  | ctacatcttt  | ggctgttaca  | 2211120 |
| cctttaccca  | gttttccgct  | gatagtgtatg | cgcatggtct  | tcggacgtgc  | ctgaagaata  | 2211180 |
| cactgagaag  | ccataacat   | ttccacttca  | ctggtaccga  | taccgaaggc  | aacagctccc  | 2211240 |
| atagctccgt  | gagtagaagt  | atgtgagtcg  | ccgcagacga  | tggtcattcc  | cggcagagta  | 2211300 |
| agtcctcttt  | ccggaccaac  | tacatgaatg  | ataccattct  | tcttggttcat | catgccgaag  | 2211360 |
| tgagtcaggc  | cgaatcagc   | agcattcttg  | gcaagtgtat  | ccacctgtgt  | acgagaaata  | 2211420 |
| ggatcttcaa  | tcggtttgtc  | ctgatcgtga  | gtcggagtat  | tatggtcggg  | catacagtaa  | 2211480 |
| atctttttccg | gacggaaaca  | tttcaatccg  | cgagcccgcga | taccagcaaa  | tgcttgagga  | 2211540 |
| cttgctacct  | catggcagta  | aaggcgatca  | atatacaatt  | gagtaggtcc  | ttcctctact  | 2211600 |
| ttctgcacta  | catgtgcatc  | ccatattttg  | tcgaataatg  | tattagccat  | acttaaaatc  | 2211660 |
| tcattatatt  | attttctgaa  | tttattgata  | caatctatat  | aagcttctac  | agatgccgcg  | 2211720 |
| atgatatcgg  | tatttgctcc  | gaaaccgtaa  | tacatctgtc  | cgtcgtattc  | tacctgcatg  | 2211780 |
| tgaactttac  | caacatcatc  | actacccttg  | ctgatagcct  | gaatggtaaa  | ttccttcaaa  | 2211840 |
| gtcatctggc  | gcttgataat  | ctgttttaca  | gccttgatgg  | cagcgtctac  | cggaccatta  | 2211900 |
| ccggttgacg  | ctgcttcaaa  | gtgctcgccg  | gaaatattca  | gtcctaagct  | ggcaaccgaa  | 2211960 |
| cgaactccca  | caccactggg  | cacctgaagg  | tattccagct  | tgatgtgatg  | gttcacattg  | 2212020 |
| cgatcggctc  | cggcaagtac  | cagaatatca  | tcatacagtaa | tgtctttctt  | cttgctcgga  | 2212080 |
| agtttcagga  | agtcttcgta  | taccttgtcc  | aacttttctt  | gattcatttc  | aacaccagct  | 2212140 |

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|             |             |            |             |             |            |         |
|-------------|-------------|------------|-------------|-------------|------------|---------|
| acatgcagac  | ggtgtttcaa  | tgccgcacga | ccactgcggg  | ctgtcagtac  | aattgcatta | 2212200 |
| tcatcgatac  | cgacatcttt  | cggatcgata | atctcatagc  | tctgcacatt  | tttcaagact | 2212260 |
| ccatcttgat  | gaattcccga  | agagtgcgca | aaagcattgc  | gtcctacaat  | agccttggtt | 2212320 |
| ggctgaaccg  | gcatgttcat  | caggctggaa | accattcggc  | tggtaggata  | aattttctgc | 2212380 |
| gtattaatat  | tggtatcgat  | gtcaatgccg | tgatggcaac  | gtaaaatcat  | ggcaacttct | 2212440 |
| tccaaggctg  | tatttcgggc  | acgctcgccg | ataccattga  | tggttacttc  | tacctgacgg | 2212500 |
| gcaccgttca  | atactccact  | gatggatttg | gctgttgcca  | tgcccaaata  | gttatgacag | 2212560 |
| tgcgtagaaa  | tgattgcctt  | gtcgattccg | tctacatgat  | ctatcaagta  | tttgatcttg | 2212620 |
| gcaccatact  | cgtcggggca  | gcaatatcca | gttgatcgcg  | gaatattttac | tactgtagct | 2212680 |
| cctgccttga  | taacagcctc  | tatgacacga | gccagatatt  | cattttctgt  | acgtccggca | 2212740 |
| tcttctgcat  | agaactcaac  | gtcttctaca | tacttcttag  | catatttcac  | ggctgctacc | 2212800 |
| gcgcgttcga  | tgatttcttc  | acgagtggaa | ttaaattttat | acttgatatg  | aggatctgaa | 2212860 |
| gttccgatac  | ccgtatgaat  | gcgtttgtgt | tttgatactt  | gcaatgcttc  | ggcagccaca | 2212920 |
| tcgatgtctt  | tctgtacggc  | acgtgtcaaa | gcacagatgg  | taggccaggt  | tactgctttc | 2212980 |
| gaaatttcga  | ttacagaatt  | gaaatctccc | gggctggaaa  | taggaaagcc  | cgcctcaatt | 2213040 |
| acgtctactc  | ccaaagcttc  | gagctgcttt | gctacctgaa  | ttttctcgac  | tgtattcaac | 2213100 |
| tggaaccggg  | gaacctgttc  | cccgtcacgc | aatgtcgtat  | caaaaataaa  | taatctgtcg | 2213160 |
| ctcataaacg  | tatatctttt  | atattgtttt | attcaagcaa  | aaagcctttc  | gcaccagaag | 2213220 |
| tgagaaaggc  | tttatatcat  | aaatcttata | ccgtcatgca  | cacggctcac  | tttccactgg | 2213280 |
| ttgcaccaat  | agaataataa  | taccgcctag | caaaatatgt  | ataagaaatg  | tactcattat | 2213340 |
| tatcttttat  | ttgtcttaaa  | cgcttgcaaa | ggtagataat  | atctcgacat  | tacaaaataa | 2213400 |
| aatgaaagt   | ttttattcat  | ttcagcaaca | aattagtatt  | tggcaggcta  | ttttaagcgt | 2213460 |
| aattcataca  | gacaagcttc  | cacttctgca | ttacttccca  | tgtgttttcc  | catatcatct | 2213520 |
| gacaatttaa  | cacattctcg  | ccattcctgg | ttaacattca  | tcttacaacg  | cgacaatttc | 2213580 |
| ataacaatat  | ttgaaggctg  | atatacctga | tcgttggtaa  | ggtttgtccc  | tataccgaag | 2213640 |
| gaacaacgta  | tcttaccttt  | gcagtaatcg | aatatatgca  | acgccttctc  | aaagtcgagt | 2213700 |
| gcattgctga  | aaataattgt  | tttcgtctgc | ggatcgatac  | ctaattcttt  | gtaacgagct | 2213760 |
| attaaccggt  | cgatgaattc  | aaattcatca | cctgaatcac  | atcgtaacac  | gtcgaagagc | 2213820 |
| ttggcttgct  | tacgactgaa  | gtttgacaag | aaggaatccg  | atgtataggt  | atcggaagag | 2213880 |
| gctgtaccca  | aatcaccgtc  | gtacacattt | acccagtttt  | ccaacgccat  | gtaattggca | 2213940 |
| tgcttatagc  | cgaactgagc  | tccatggaac | atgaaccatt  | cgtgcggatg  | ggttcccatt | 2214000 |
| ggacgcatgt  | cgtatttcat  | ggcgagataa | cagttcgacg  | taccggtaca  | atagcgggca | 2214060 |
| tgctctttca  | gataggccac  | aacaatatcg | tgtacatcca  | gagagaagcg  | ccggcgagtg | 2214120 |
| ccgaattcag  | aaaaaggcat  | atgatgttcg | tttgacaatt  | tcacctttcc  | tgccagtttg | 2214180 |
| cctatgattg  | attctttatc  | cggtattcta | tttaaaaact  | ggtttttgat  | ttcggaagaa | 2214240 |
| atcgccaaca  | acggaacttc  | atataatgtt | accttgatata | aataatcggg  | cacttcgata | 2214300 |
| tgtaaatgat  | gctgctcgtc  | cagactcaca | gctattttgt  | caggatcaaa  | acggaaagaa | 2214360 |
| gacagccatt  | cccaataaac  | acgcggcagg | aaccggcaat  | gagaagacat  | gtactccagt | 2214420 |
| tcttccttgc  | ggagcgaaac  | cagtgacaaa | ttatgaatct  | cattttttcag | ggcttccaga | 2214480 |
| aagccttctg  | tgtattctgt  | ttcatctcta | tccttaaaag  | taaatgttcc  | taacgcataa | 2214540 |
| ggaaaaagct  | tgatataagc  | gtacgaagtt | gtaaacttat  | acaaatctgt  | atctaaaatc | 2214600 |
| gtttttatta  | ccatagcatt  | gtttttatct | ctttttgtaa  | atataaggaa  | gaaaaattac | 2214660 |
| ttcccattat  | tctgacaaga  | tttttacttc | aatttcaatg  | ctacgataca  | atctgccgac | 2214720 |
| ggttccaaaag | tcgcagtatg  | caagacaatt | cctccatcaa  | ttttctccca  | ttttactttt | 2214780 |
| tctccagaag  | caaacaagggt | ggcagatacg | actttttcgg  | ttaacggcaa  | agtaacaaat | 2214840 |
| tgaggcatct  | tatcgggttag | cagatgtaca | tacagcatat  | ctccttttacg | ggtagtagtt | 2214900 |
| ccccacgaag  | cagttaccac  | attccccgaa | gtcgatccgt  | aaatgggttc  | tccatttttc | 2214960 |
| gccatccact  | ctcctattcc  | ctttaatcgt | tctacggcaa  | cagcaggtaa  | ctctccgttg | 2215020 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| ggctgaggac  | cgatattcat | caacaaattg | gcacccttac  | cggcagcacg  | taccaacagg | 2215080 |
| cgtatcagct  | cggtgaccga | tttataat   | tggctcttaa  | tcttgtagcc  | ccacatacca | 2215140 |
| ttcatcggtt  | cacaagtttc | caatggcaat | gcactgatag  | actgtccaga  | caatcctgcg | 2215200 |
| gtattctctc  | cgggtagatc | gcgttcaa   | atgtgaaat   | cctcaccg    | gaaaggcggt | 2215260 |
| ttatgatggt  | tatttccaat | caaacaagcg | ggctgcaatt  | tatgaatcaa  | agcatattgt | 2215320 |
| tccttcagtc  | cccaattgaa | atcatcaggc | tgatcccaca  | gtccatcgaa  | ccagattgcc | 2215380 |
| cctatcggac  | cataattggt | caacaattcc | gtcaactgat  | tattcatgaa  | ctgataatat | 2215440 |
| gtactccact  | ctccatgaga | tttacgtccg | gttccgcgtc  | cggttcttcc  | taaaggataa | 2215500 |
| taatcttcac  | gcgtccaatc | cagatgggaa | taatataaat  | gtagtttgat  | accctgtttc | 2215560 |
| tggcactcct  | cggccaactc | tttgataata | tcccgtttaa  | acggagtagc  | gtccactata | 2215620 |
| ttataatcag  | aatatttagt | gtcaaacatc | gagaatcctt  | cgtgatgccg  | ggaagtaaaa | 2215680 |
| cagatatatt  | ttgtctccga | agccttaata | gccgcaacc   | aatcgtgtgc  | attgaatcga | 2215740 |
| gaaggataaa  | aaccggatgc | cgctttcgca | tattcatgac  | agtcaatatt  | ctcattagtc | 2215800 |
| atataccatt  | ctccctgtcc | gaacatacta | taaagtcccc  | aatgaaggaa  | tataccaaat | 2215860 |
| ttactatcct  | gaaactcctt | gcgtgcctgc | aaattctctg  | gtgcgggtac  | atactctgtt | 2215920 |
| cccgaattct  | gtgcatagag | ggaagatatt | cctaaaagcc  | cacttaaaca  | aatagtctgc | 2215980 |
| caaaaaacgaa | aaatacgtgt | tttcatactt | acccgataat  | taaaaaaaga  | ataattagat | 2216040 |
| ttattttttc  | aaagatacaa | taaaaaatcg | agtttcatcg  | tagaagcttt  | ttgaaagcgg | 2216100 |
| ggaatcaatt  | tcggaaagat | agtacgacat | tcagctgttt  | acccatcaag  | tacaactatg | 2216160 |
| cttttaagac  | atttccaag  | caatgaagca | tatttttatg  | tatctcaatt  | gtatgcagac | 2216220 |
| ccaatctttt  | acttgataca | aaaaactcag | cctggcgggc  | gcatgcctga  | agccgactca | 2216280 |
| tccgatgtaa  | agaaaagagt | atccgcactc | cagccaccg   | tacgtcccgc  | cgcaagcagg | 2216340 |
| cacaaaaaat  | tccaagaaac | aaattctatc | agattgttta  | atcgagtatg  | tcctgtgtgc | 2216400 |
| agcccgtcgc  | gtccgggcat | aaaaagaggt | cccgcagcgt  | cgttgctgca  | ggacctcttc | 2216460 |
| aagacggcga  | ctacctactc | tcccacttgc | gcagtaccat  | cggcgtgacg  | aagcttaact | 2216520 |
| tctctgttcg  | gaatgggaag | aggtggaacc | ttcgtgccat  | agtcacctga  | atatcgtttt | 2216580 |
| atgtattcat  | gactcacaag | caagcaattc | cagcacttgt  | ttcaaagctg  | aaagtatata | 2216640 |
| tcattccatcc | ttatttcaag | gaaagtgaac | gggcaattag  | taatgctcgg  | ctttggtgtc | 2216700 |
| tccaccttta  | cacctgcac  | ctatcaacgt | catcgtcttt  | gacgaccctg  | agaaatctaa | 2216760 |
| tcttggtggc  | ggcttcgtac | ttagatgctt | tcagcactta  | tccgatcccg  | acttagatac | 2216820 |
| ccggcgtatgc | acctggcggc | acaaccggta | aaccagaggt  | cgggtccaaca | cggtcctctc | 2216880 |
| gtactagtgt  | cagagccacg | caaatttcat | acgcccacga  | tagatagaga  | ccgaactgtc | 2216940 |
| tcacgacgtt  | ctgaaccag  | ctcgcgtgcc | actttaatgg  | gcgaacagcc  | caacccttgg | 2217000 |
| gaccttctcc  | agcccagga  | tgtgacgagc | cgacatcgag  | gtgcaaacc   | actccgtcga | 2217060 |
| tatgagctct  | tgggagggat | cagcctgtta | tcccggaggt  | accttttatc  | ctttgagcga | 2217120 |
| tgtcccttcc  | atacggaac  | accgatcac  | tatgctctag  | tttcctacct  | gctcgacctg | 2217180 |
| tctgtctccc  | agtcaagcgc | ccttttgcca | ttacactctg  | cggacgggtta | ccgatcgtcc | 2217240 |
| tgagggcacc  | tttagaagcc | tccgttacgc | ttttggaggc  | gaccaccca   | gtcaaactac | 2217300 |
| ccaccaagca  | atgtcctcca | tccgggaggt | agaattcaaa  | caaacaagg   | gtcgtatttc | 2217360 |
| aacagcggct  | ccacaaacac | tggcgtgcct | gcttcattgc  | ctccgacct   | tcctacacat | 2217420 |
| cgcgtgccca  | aattcaatgc | taagctatag | taaaggttca  | cggggtcttt  | tcgtcccatc | 2217480 |
| gcgggtaatc  | ggcatcttca | ccgatactac | aatttctactg | agctcacggg  | tgagacagcg | 2217540 |
| tccggatcat  | tacaccattc | gtgcaggtcg | gaacttacc   | gacaaggaat  | ttcgctacct | 2217600 |
| taggaccgtt  | atagttacgg | ccgccgttta | ctggggcttc  | aattcaatgc  | ttctcttgcg | 2217660 |
| atgacatctc  | ctcttaacct | tccagcaccg | ggcaggtgtc  | aggctgtata  | cttctacttt | 2217720 |
| catattcgca  | cagccctgtg | tttttgtaa  | acagttgcct  | ggacctattc  | tctgcgccct | 2217780 |
| ctcttgcgag  | gagggaccct | ttatcccga  | gttacagggt  | cagtttgcc   | agttccttaa | 2217840 |
| ccgtgattca  | ctcaagcgcc | ttagtatatt | caaccgcact  | acgtgtgtcc  | gtttgcggta | 2217900 |

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|             |             |            |            |            |            |         |
|-------------|-------------|------------|------------|------------|------------|---------|
| cggttaccat  | ggaagttatg  | tttagcggat | tttctcggca | gtctgcttac | ctgcgctggt | 2217960 |
| ggattgtccc  | ggaggacgct  | ccatactgtc | aagtccggct | cttcccgcgg | atttgcctgc | 2218020 |
| gggaatcagc  | acctacactc  | tttaacgggc | tattccgtca | gcccgcggca | gtgtcacttc | 2218080 |
| tgcttctcca  | cgtcaccctc  | caaggtagta | acggaatatt | aaccgtttct | gccatcggcc | 2218140 |
| tcgccgttcg  | gctgagcctt  | aggacccgac | tgaccctgat | ccgattagcg | ttgatcagga | 2218200 |
| aaccttagtc  | tttcggcgag  | ggggtttctc | acccccctta | tcgttactta | tacctacatt | 2218260 |
| tgcttttcca  | tacgctccag  | agtacctcgc | ggtacgcctt | cgacgccgaa | tggaatgctc | 2218320 |
| ccctaccaac  | cattgctggt  | tccacggcct | cggtagacaa | cttatacccg | attattatcc | 2218380 |
| atgcccgaat  | cctcgactag  | tgagctgtta | cgcactcttt | aatgaatgg  | ctgcttccaa | 2218440 |
| gccaacatcc  | tagctgtcct  | agcaatcaga | cttcgttagt | ttaacttagc | tgctatttcg | 2218500 |
| ggaccttagc  | cggtggtccg  | gattcttctc | ctctcgggca | cggaccttag | cacccatgcc | 2218560 |
| ctcactccc   | gggtaaaact  | gatgcgcatt | cggagtttgt | caggacttga | taggcggtga | 2218620 |
| agccctcgca  | tccaatcagt  | cgctctacct | cacatcagta | atccacgagg | ctgcacctaa | 2218680 |
| atgcatttcg  | gggagtacga  | gctatctcca | agtttgatta | gcctttcacc | cctaccctca | 2218740 |
| gctcatccag  | aagcttttca  | acgcttattg | gtgcggacct | ccatctggtg | ttaccagac  | 2218800 |
| ttcatcctgg  | ccaagggtag  | atcacttggg | ttcgcgtctg | ccgccgctga | ctcgacgccc | 2218860 |
| tggttcagact | cgctttcgct  | tcggctgcgg | gactcgtgtc | ccttaacctt | gccaacgacg | 2218920 |
| gcaactcgta  | ggttcattat  | gcaaaaggca | cgccgtcact | ccgttaggag | ctccgaccgc | 2218980 |
| ttgtaggcgc  | acggtttcag  | gtactatttc | actcttctgt | tcgaagtgtc | tttcaccttt | 2219040 |
| ccctcacggt  | actggtccac  | tatcggcttc | tcgggagtat | ttagccttgc | cggatggtcc | 2219100 |
| cggcagattc  | acgcagaatt  | cctcgtgttc | cgcgctactc | aggataccgc | tatgcttcgt | 2219160 |
| cttgcttcga  | ataccgggct  | gtcacctgtc | tcggccgaac | tttccagatc | gttcttctcg | 2219220 |
| caagatttct  | tgcaacgacg  | cggtcctaca | accccacctg | tgccgtaaca | ccggtgggtt | 2219280 |
| aggctcttcc  | ccgttcgctc  | gccactactg | ggggaatcat | tgttattttc | ttttcctgca | 2219340 |
| ggtactaaga  | tgtttcagtt  | ccctgcgtta | gccccttact | gtgtaaggta | atacctcttc | 2219400 |
| aaggatttgg  | gttggtcccat | tcggagattc | acggatcagg | ggttatttgc | acctccccgt | 2219460 |
| gacttatcgc  | agcttatcac  | gtccttcac  | gcctccgaga | gccaaggcat | ccgccatgcg | 2219520 |
| cccttcttta  | ctttccttat  | cgttcacacc | atttttcaac | agtgcgggat | gatataact  | 2219580 |
| tttagctttc  | gtactaaaat  | tactttttgc | ttgttacatc | atgtcataga | cctatttttc | 2219640 |
| tatagtggag  | aataacggat  | tcgaaccgtt | gacccctgc  | gtgcaaagca | ggtgctctag | 2219700 |
| ccagctgagc  | taatcccccg  | tttttttgcg | gctgcaaagg | taagcattta | ctttcgcttg | 2219760 |
| agcaaatttt  | taaggaagtt  | ttttcttcgc | tccctttcct | cgaggtagtc | ccaggcagag | 2219820 |
| ttgaactgcc  | gacctctaca  | ttatcagtg  | agcgtcttaa | ccaactgagc | tataggacta | 2219880 |
| gcttgctgta  | ttcagttcaa  | cctcgtctgt | ttcctgactc | ggcttcactc | ttctctcttt | 2219940 |
| atttcggtta  | acaaactcgc  | atgcagcaca | agaccgaaag | gaccttcact | cggtcacgct | 2220000 |
| ccagaaagga  | ggtgttccag  | ccgcaccttc | cggtacggct | accttggtac | gacttagccc | 2220060 |
| caattaccgg  | ttttacccta  | gggcgctcct | tgcggttacg | cacttcagg  | actcccggct | 2220120 |
| ttcatggctt  | gacgggagg   | gtgtacaagg | ccggggaacg | tattcaccgc | gccgtggctg | 2220180 |
| atgcgcgatt  | actagcgaat  | ccagcttcgt | ggagtcgggt | tgacagactc | agtccgaact | 2220240 |
| gagagaggct  | ttggagattg  | gcatcccgtc | gccgggtagc | tgcttctgt  | acctccatt  | 2220300 |
| gtaacacgtg  | ttagccccg   | gacgtaagg  | ccgtgctgat | ttgacgtcat | ccccaccttc | 2220360 |
| ctcgcactct  | acgatggcag  | tctggccaga | gtcctcagcg | ttacctgcta | gtaactggcc | 2220420 |
| acgaggggtg  | cgctcggtat  | ggcacttaag | ccgacacctc | acggcacgag | ctgacgacaa | 2220480 |
| ccatgcagca  | ccttcacaga  | cgccttgagg | cttacctgtt | tccaagtaat | tcgtctgcaa | 2220540 |
| tttaagcccc  | ggtaagggtc  | ctcgcgtatc | atcgaattaa | accacatgtt | cctccgcttg | 2220600 |
| tgcgggcccc  | cgtaatttcc  | tttgagtttc | accgttgccg | gcgtactccc | cagggtggat | 2220660 |
| acttaatgct  | ttcgcttggc  | cgctgacagt | atatcgccaa | cagcgagtat | ccatcgttta | 2220720 |
| ccgtgtggac  | taccagggtg  | tctaactcgt | tttgataccc | acactttcga | gcctcaacgt | 2220780 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| cagttacagc  | ttagcaggct  | gccttcgcaa | tcggggttct | tcgtgatatc  | tatgcatttc  | 2220840 |
| accgctacac  | cacgaattcc  | gcctgcctca | actgcactca | agggaaaccag | tatcaactgc  | 2220900 |
| aatttttacgg | ttgagccgca  | aactttcaca | actgacttaa | tcccccgctc  | gcgctccctt  | 2220960 |
| taaacccaat  | aaatccggat  | aacgctcgca | tcctccgcat | taccgcggt   | gctggcacgg  | 2221020 |
| agttagccga  | tgcttattca  | tacggtagat | gcaaaggccc | acacgtggac  | cactttattc  | 2221080 |
| ccgtataaaa  | gaagtttaca  | atccatagga | ccttcacctc | tcacgtact   | tggctgggtc  | 2221140 |
| aggctcgcgc  | ccattgacca  | atattcctca | ctgctgcctc | ccgtaggagt  | ttggaccgtg  | 2221200 |
| tctcagttcc  | aatgtggggg  | accttcctct | cagaacccct | atccatcgtc  | ggctagggtg  | 2221260 |
| gccgttacc   | cgcctactac  | ctaattgaac | gcattcccat | cgcttaccga  | taaatcttta  | 2221320 |
| atcttaatta  | catgtgtgct  | taagatacca | tcaggcatta | atctttcttt  | cgaaaggcta  | 2221380 |
| ttcctgagta  | agcgggagg   | tggatacgtg | ttactcaccc | gtgcgcgggt  | cgccatcaaa  | 2221440 |
| cttagcaagc  | taagttcatg  | ctgcccctcg | acttgcatgt | gttaagcctg  | tagctagcgt  | 2221500 |
| tcaccttgag  | ccaggatcaa  | actcttcatt | gtaaaatata | tttttactct  | tgcgagtact  | 2221560 |
| tttgtctctg  | ttcaggtaac  | cgaatgtctt | tactttgttc | aaatattgac  | ggttctttct  | 2221620 |
| ttttcaccgc  | atatacatta  | ttatatatga | cagctacttc | ttgtactaca  | tcttcgtttg  | 2221680 |
| tttatctaaa  | gtctttcaaa  | gaactatttc | ctttttttgt | ggcttccggt  | cgttgtcgaa  | 2221740 |
| agcgtttgca  | aagttaggag  | cttttttcga | aaccgccaaa | ctttttcgaa  | agtttttttt  | 2221800 |
| caaaaagttt  | tttttagcgg  | cggaagtga  | ctccgtccgg | ctgccgttct  | cgctccctta  | 2221860 |
| acgccgttaa  | ggtaagatac  | ttggaccgcc | tcagaaccgc | tgcttcctgc  | tccgtttcct  | 2221920 |
| ttcagattgt  | catctcttca  | acgtctttcc | ctctcgaaag | cgggtgcaaa  | attacgcact  | 2221980 |
| ttttcgcttt  | ctccaacttt  | taccacact  | ttttttcaat | ttttttgcaa  | gaaaattcat  | 2222040 |
| aaaatactgt  | gtatcaggta  | tgttttacgg | caggttttgc | ggaatgagga  | aaaggaagct  | 2222100 |
| gggaggggta  | ctcaatatat  | tattacgcac | gtgcaggtgc | gcgcgagtct  | ggttcgtgcg  | 2222160 |
| aaaaagatcc  | ggaacggtga  | aaattcctgc | cggatgggac | gaaaaatatt  | ctggaaggat  | 2222220 |
| ggaattcttt  | atcggtatgac | acgaaaaaaa | tccggaaata | ctccccgagg  | aagggaaaaa  | 2222280 |
| tggtatcatcc | gcaagggaaa  | ttcatgctga | aaaaagcgga | tttttctttt  | gaaaaaattc  | 2222340 |
| aggagaagcg  | caaaaaatat  | cgaacgggc  | agaaaaat   | ctcagtttcc  | ccacgaaaaa  | 2222400 |
| aacttgaaaa  | atatccggat  | tgtaggaaa  | gacatgcctg | aaaacccgat  | gacagaaaca  | 2222460 |
| aaaaaaaagc  | agatttttct  | tttgaaaaag | ttccgagaaa | gcaaaaaaat  | tatggaaaca  | 2222520 |
| gacagaaaaat | tttctcagct  | ccacataaaa | aggcaggaaa | aattatcccg  | acgaagcgaa  | 2222580 |
| aaaatctcag  | aaaacggatg  | atccggatga | aaaaaagcag | cagatttttc  | gtaggcggaa  | 2222640 |
| ggaaaaatgc  | agaaaaggat  | gcgaggcagg | acagaaaaat | ctgccgaagc  | atctgaaaaa  | 2222700 |
| atatgaaaaat | accagacga   | aaagagaaaa | gatacatttc | cggaaagatg  | gttcattctg  | 2222760 |
| aaaaaataga  | ttttttatca  | aaagaatacg | gagaaaaaga | cagactgatg  | gaaaagaaac  | 2222820 |
| aagagaatca  | taaccgacaa  | ggtagaaaaa | cactcttaaa | aaacggaaaag | gtaaatgaga  | 2222880 |
| gaaacggact  | cttccaccgg  | aaaagtcaag | agaaaaaagc | aaaaaaatcc  | gcagtctaaa  | 2222940 |
| taaaaaatac  | gggagattct  | gaaaaaacat | gccggaattt | tctccgggtt  | ttgtacaaaa  | 2223000 |
| aatattttgt  | tttgtacaaa  | ttccgaaaag | ttttgtacaa | aaacatgaga  | cagtagcggg  | 2223060 |
| aaaagccgaa  | ggaaatatag  | aagatttttt | ctcaaagcaa | tacttcggta  | aattttttacc | 2223120 |
| gataaattaa  | aattaaacat  | agaatcggca | taatccgggt | caaaattata  | ttcaagagat  | 2223180 |
| cattgaaata  | ctgtcaagaa  | taaatcgtca | aggagtaaga | aaagggatga  | aaaagatatg  | 2223240 |
| ctaaacagct  | gaaaatcaac  | agaaaaagta | tttcataatt | cactgatttt  | tagtaaatata | 2223300 |
| gaagtacttc  | accactttta  | attatgacta | agaatcact  | ccttatgcaa  | taccaatccg  | 2223360 |
| agtgcagaaa  | cgctctcgaa  | tcagctgtaa | atataagcaa | atctttttcag | aaagtattca  | 2223420 |
| tggtatgcaat | gaaattattc  | atggctatac | ctgaccgcac | caatttccta  | caaattgggac | 2223480 |
| ggtatggatg  | tttctcggaa  | cagacatacc | gcaacaattt | tgagaacgac  | ggctttgact  | 2223540 |
| ggttttcctt  | caatgaagcc  | atcatcaggg | aacaccttaa | aggtggtcgc  | aaggcgatag  | 2223600 |
| ccgttgatcc  | gtctttcatt  | ccaaaatcag | gcagcaaaac | gccgtggatt  | ggctattttct | 2223660 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ggtccggttg  | tgccggtgaa  | tacaaacgtg  | gactggaaat  | aaccggtatt  | ggagttatag  | 2223720 |
| acgttgacaa  | ccatgaatgt  | atgacttttg  | gctctgtaca  | gacacctgac  | aacgcaacgc  | 2223780 |
| tggaagctg   | tgagaagaat  | cttggtgact  | ggtacagctc  | ttaccttatc  | agcatacagg  | 2223840 |
| aacagctgaa  | acgtatttct  | ggcacagctg  | tgtgtgatgc  | gttcttttca  | aaggcaactt  | 2223900 |
| tcatcaaacc  | attgtacgat  | aacggtttcc  | acgtaataag  | ccgtttcagg  | aatgatgccg  | 2223960 |
| tattgtttta  | tcccacctta  | gaaaatagga  | caggaaaacg  | cggacgtcca  | aaattacatg  | 2224020 |
| acgagaaaaat | tgactttgaa  | aatctggaca  | tcacaagatg  | taccgagtac  | aaagtgaaca  | 2224080 |
| agggtaaact  | ttacggactg  | aaagcatact  | caaagcact   | caaacgcttt  | gtgagcctgg  | 2224140 |
| ctgtatggta  | ccccatggat  | ggaagaacgg  | acaaatggca  | gctgtatttc  | tctacaaacg  | 2224200 |
| aaatacagaa  | cgcacaggat  | gtcctggact  | tttacagaac  | acgtttccaa  | ctcgaattct  | 2224260 |
| gctttcggga  | tgccaagcaa  | catgccggaa  | tagcaaactg  | tcagtctaca  | gacttcagga  | 2224320 |
| agctggcatt  | ccactttaat  | gcatcacttg  | cagcgataaa  | cctcgccaag  | gctgcctgta  | 2224380 |
| agaagatggg  | aataaaatat  | tccatatcat  | catgcaagtc  | agtcatacac  | aatgcttaca  | 2224440 |
| tgcttgaacg  | atttatttgc  | gtgtctggga  | ttgaaccaa   | cacgcaatta  | attgacaaac  | 2224500 |
| ttttcaaaga  | actcatttta  | tttactgcca  | gagccgctta  | ggctgggcta  | atttttaacg  | 2224560 |
| aactattgct  | caaagcaaac  | tcaaataata  | aaacctaaac  | aagaaataaa  | ggaaccgttc  | 2224620 |
| cacaaaaaga  | ataaaaacttt | tagttctaca  | acagtcatta  | cccttatata  | aagataggta  | 2224680 |
| tttagtccaa  | acaagctgca  | tatagtaaga  | attggaaata  | aggtattcca  | gactgaacc   | 2224740 |
| aatcggtatc  | ttcatggaat  | acgaaaccgt  | aatgcaaacc  | gcatccgttc  | ttaataagtc  | 2224800 |
| agatttctac  | aatttcatct  | tcagacagac  | acttgataat  | cagatacatt  | taaaatatca  | 2224860 |
| aagcaacaaa  | aaaaacaatt  | taaaggtttg  | acgcagttca  | atttacgtta  | tatagaatat  | 2224920 |
| aaaagcatca  | cctcctcccc  | cacactatta  | ataagactac  | ccttttgcca  | cttatgtatt  | 2224980 |
| ctaaaaataat | cgctaataat  | aaagactatt  | tctttctaca  | acattctatc  | atcttttaaa  | 2225040 |
| gtctcagttt  | cacaaataga  | tattaagtaa  | aagttgaaag  | acataaatat  | ccaacaaata  | 2225100 |
| cacaaaaaca  | ttttatatca  | acatacaaaa  | taattttattt | tattaaatca  | tagcaaaaag  | 2225160 |
| agatagaata  | aaacagactc  | aaatccctat  | aaaacaagat  | attaatatta  | atttagattt  | 2225220 |
| atttagcctt  | aaaaaaacat  | tattacaaat  | agaaactaaa  | gaatcaacgc  | aatgcatcta  | 2225280 |
| tttttaaaaa  | ttttcaaata  | aaattataca  | aaatattgct  | ttattaatat  | attttctata  | 2225340 |
| cgtttgcggt  | taaaatttcta | caataactat  | aagctatgaa  | gttaaagaaa  | tcctcttatt  | 2225400 |
| attgcttatc  | gcaagcaacc  | cctcctctca  | aaaactgggt  | gcacagcaac  | aagcttcggt  | 2225460 |
| atctgggttt  | agccgcaagt  | gtatttccaa  | tgctaggtag  | acagctatat  | gcaaccacag  | 2225520 |
| ataatagtct  | gaaccaaacg  | actcaatcag  | ctcagacgaa  | taaagtaact  | taccacggta  | 2225580 |
| ctgttataga  | cgaaaatggc  | gatccattgc  | caggagtaaa  | catcacctat  | aaaaatgcaa  | 2225640 |
| aaggtgtggg  | cgtcattaca  | gatgttgacg  | gtaatttcac  | ccttgacgtt  | cctacaaatg  | 2225700 |
| tacactctct  | tattttttcc  | tatgtaggaa  | tgaaaacaca  | gactgtacgt  | atatccagcc  | 2225760 |
| cctcagaaaa  | agtgaagtg   | cgtatggaa   | ccgatgcctt  | agctattcag  | gaaaccgtca  | 2225820 |
| tcaccggtat  | ctatacccgga | aaagctgaga  | gcttcaccgg  | atctatggct  | acttattcgg  | 2225880 |
| aaaaggaact  | gaaaacgggtc | ggcaaccaga  | acgtgctgca  | aagcttgaaa  | gttcttgatc  | 2225940 |
| cgctcgttcat | cggtgctggaa | aacaacctgt  | ccgatctgga  | cccgaacgcc  | accatgaacc  | 2226000 |
| tgaacattgg  | aggtaatacc  | aatatcggtg  | gactggaaac  | ggaatatata  | accaaccgga  | 2226060 |
| accaaccgct  | tttcatttctg | gatggatttg  | aaacaactct  | gtctaccatt  | accgacttga  | 2226120 |
| gtatggaccg  | agtagcaagt  | atcaccatct  | tgaaggatgc  | cgctgtctacc | gccatctacg  | 2226180 |
| gtgcgaaggc  | tgccaatggc  | gtagtagtag  | tagaaaccaa  | aaaaccggaa  | gccggaagat  | 2226240 |
| tacaattcaa  | ctacaacggt  | aactttgggtc | tggaatgggc  | cgacctgacc  | gactataacc  | 2226300 |
| tgatgaactc  | ttccgaaaaa  | cttcaatatg  | aaaagcttgc  | cggatattac  | ggatcactgg  | 2226360 |
| acgccaacgg  | aaacattatc  | gatgaatatt  | accagaacct  | gtacaaccag  | cgtatgctga  | 2226420 |
| gaaccaaaca  | gggtattgac  | tcatactgga  | tgaacgaacc  | gttgcaaacc  | ggcttcaccc  | 2226480 |
| aaagccacaa  | catctttgcc  | gaaggtgggtg | atgctgcatt  | ccgctatggt  | attgggtatga | 2226540 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| cctacacaca  | aactcaaggt  | gtcatgaaaa | attctaaccg  | tgacgtcttg  | aatggaaacg  | 2226600 |
| tacagttgac  | ataccgtatc  | gataaattcg | cgttttacaa  | ccagaccaat  | atcacaaata  | 2226660 |
| ccgatgtaga  | aaatccgacg  | gtttcgttca | gtgatttcgc  | ccgcaccaac  | ccgtttctatg | 2226720 |
| ataaatacaa  | tgaatacggg  | gaaatagacc | aggttattga  | agaaatccaa  | acaatcagcg  | 2226780 |
| gcggtacaca  | atatattact  | aaccgcgtat | gggacttgaa  | ccagaagagt  | tacgacagaa  | 2226840 |
| acaaccagtt  | gtcgtttacc  | aataacttcc | agatagaata  | ccgtccgctt  | ccggaattac  | 2226900 |
| gtatccgagg  | caagctgggt  | atcatcgtag | gacgaagcaa  | ttccaagcag  | ttcgattctc  | 2226960 |
| cggaaatgag  | taagtatctg  | aataccgacc | aactgaaacg  | aggaagttac  | tcagaatcga  | 2227020 |
| acaccaaadc  | gtcttcatac  | gatggaagcc | ttgacataat  | atacggaaag  | acattcggca  | 2227080 |
| aacataccat  | aaatgccatt  | ggtgggatgc | agattagtga  | aaacaactcc  | aatctgtcta  | 2227140 |
| tgttccaagc  | tatcggatat  | tccagcgact | tgttctcaaa  | tccgaacttt  | gccaatgggt  | 2227200 |
| atccagaagg  | tggaagacca  | agctcttcga | tttccaaatc  | gagaacagcc  | agctactatg  | 2227260 |
| ctaacttcaa  | ctacggttat  | cagttgagat | acttggttga  | cttcaactta  | cgtaccgatg  | 2227320 |
| gttcttctgt  | atatggagta  | aacaatccgt | tctctactac  | ctgggtcatta | ggtttaggat  | 2227380 |
| ggaacatcca  | caacgaagaa  | ttcttcaata | agaatggcgt  | tctcaattac  | ttgaaactga  | 2227440 |
| gatactcagt  | cggtaacccg  | ggaaatgcca | acctgagcgc  | caagatggcc  | aacagtattt  | 2227500 |
| atacatacta  | cacatagtat  | ccaaacatgt | tcgggtctggc | agccctgatc  | agttcatggg  | 2227560 |
| gtaacagcgg  | attgaaatgg  | cagcgtacca | acgaacacaa  | cgtgggtgtt  | gatatcgaaa  | 2227620 |
| tgttccacaa  | ccgtctgcgt  | ttgagtaccg | atttctttat  | caagaaaacc  | gaccggttgt  | 2227680 |
| tgctgagcat  | cgacttcccg  | ccttctacag | gtatctcaca  | agtaccgatg  | aacatcggag  | 2227740 |
| ccatgaaaaa  | tattggtact  | actttcacgg | gtagttatat  | catcatccgg  | aaaccggata  | 2227800 |
| tgaactggac  | agtgaatgcc  | aacttgcgcc | acatccgtac  | aacttattac  | aacatcggcg  | 2227860 |
| acttgctgga  | aaaataacaat | gaaaaaggac | gtaccaacca  | gaccctgaca  | cgatactatg  | 2227920 |
| acggagccag  | caacacagcc  | ctttacgctg | tccgctcagc  | aggtatcgac  | ccgatgaccg  | 2227980 |
| gtaatgaaat  | ctttatccgc  | aaagacggtt | cgtatacctt  | caaattgggt  | tcggccgatg  | 2228040 |
| aagtaatctg  | cggagattct  | actccagacg | ttgaagggtg  | attcgggtaca | agcttctact  | 2228100 |
| ggaaaaggctt | ctctgtcaat  | gccattttca | gctaccgtta  | cggagggtcag | gctttccttt  | 2228160 |
| ctaccctctt  | caacaaagta  | gaaaacatca | gcgacgtaca  | ggtaaagtac  | aatcaggaca  | 2228220 |
| aacgtgcact  | ttacgacaga  | tggcaaaagc | cgggagatat  | tgctaagttt  | aaacgtatcg  | 2228280 |
| acgatacaag  | tactacgaac  | atgtcatcac | gcttcattgc  | cgatgacaat  | acactggaac  | 2228340 |
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| cttcatcatt  | caacgtacgt  | atatacggca | ataacctgtt  | ccgcttgtca  | acaatcaagg  | 2228460 |
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| tctaattata  | aaaattacca  | ttatgaaaat | aaagaactta  | ctgaaaaatc  | tactattaat  | 2228580 |
| aacagctatc  | agcttcacca  | cttcttcttg | tgccgactgg  | ttgaaagtgg  | atatggaaga  | 2228640 |
| tggtatcatg  | gaagacaagc  | tgtatagcga | aaatgagggg  | ttctttaccg  | tactgaacgg  | 2228700 |
| tatatacagc  | agtatgaacc  | agacttacgg | ctctacgcta  | tcgatgggag  | tgattgatgt  | 2228760 |
| gatggcacia  | tattacaatg  | tacctgccaa | cggtagacat  | ccctataaag  | tatatgccaa  | 2228820 |
| ctacgactat  | caggataaat  | cattcgaaag | tacttccagc  | tcgctctggc  | agagcacata  | 2228880 |
| ccaaatgata  | gccaaacatta | acgtactgat | agatcattgt  | gatgctccgc  | agagtgcact  | 2228940 |
| ttcttcacgt  | tactaccgga  | ttgtaaaagg | agaagcactt  | gccctgcgtg  | ccatgttaca  | 2229000 |
| cttcgattta  | ctcagactgt  | atggctctat | ttactctgcc  | gaaactgaat  | cgagccaggc  | 2229060 |
| tatcccctat  | ctggatatcc  | ccaacaacaa | agacatcatg  | cctattcttt  | ctgccaagga  | 2229120 |
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| gattcgtaca  | gcaggcgtac  | aggctgacga | cacaggcgaa  | cagcctctca  | acaatcaaga  | 2229240 |
| taatcctacc  | ttccttcgca  | accgccagta | ccgactgaat  | tactacgctg  | tgcaaggatt  | 2229300 |
| gctggcacgt  | ctttacatgt  | ggatgggaaa | caagaccgaa  | gcctataact  | gcgtaagcca  | 2229360 |
| actgctgaat  | gagattacgc  | ttaatcaaac | attcccatgg  | gtaaccagag  | ctgcagctac  | 2229420 |

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| cagccgcggc  | aacttggttcg | acgcactgtt | ctcacagagt | ctggaaggta  | atgcgcttac  | 2229540 |
| tttcgtagga  | ggcttgctcg  | gcgacgactc | caaactgact | cagttctacg  | gtacaaacag  | 2229600 |
| cagcagtga   | taccgcccga  | gaatgtggga | agaagtagta | accagcaccg  | atagcgaagg  | 2229660 |
| aacagaagga  | ggaggagtaa  | gtaccagcat | cacttattca | ttgaaatagc  | aacagggttag | 2229720 |
| cacagattcc  | tatttcaagt  | caatgattcc | acttatgcgt | atcagtgaag  | tgtacctgat  | 2229780 |
| cttagctgaa  | tgtaccaacg  | acttgcaaga | agctcaggat | gccctgcacc  | agattcgctg  | 2229840 |
| gaaccgtaac  | ctgactgcgg  | acgaagaagt | aacagccgac | aataaagacc  | agctcattac  | 2229900 |
| agatgagttt  | gcacgcgaag  | tcacgcggca | aggacagtta | ttcttctact  | acaagcgtca  | 2229960 |
| tgccatggaa  | gaattcgcga  | ccggaactga | tgcaaccagc | acttacaaga  | tgttactctc  | 2230020 |
| taattatgta  | gtacctctgc  | caaagagtga | aacagacaac | agacaataaa  | attttatcgt  | 2230080 |
| atgaaaaaac  | tattgactta  | tatatgtatg | ctggcggttg | ccgcatcttt  | cacttcctgt  | 2230140 |
| gaaaaagaaa  | tcattggacta | cgaaggcgta | gacggactgt | atttcgatgt  | ccgctggggg  | 2230200 |
| aaagatttcc  | gatctcccg   | ccaatgggca | caccagtact | atagcccggt  | agaattcggt  | 2230260 |
| gcgatgactg  | ccaacaccta  | taccgcacaa | gtgcgtgtaa | ctaccagtgg  | taccatcaag  | 2230320 |
| gattacgatc  | gcccgttcag  | cattaccatc | ggcaaagata | gtaccgacgc  | tggtgctgga  | 2230380 |
| agagattatg  | tagatttttc  | caaagactat | gttatcaagg | cgggagaacg  | ttatgcttat  | 2230440 |
| atcgatatta  | ctttcaatcg  | tacgccggaa | atggtagacg | ataccctgac  | actgcaactg  | 2230500 |
| aaagctggaac | ccaacgaata  | cttctcctgc | ccttttacc  | actacgagga  | caatccgaag  | 2230560 |
| tatgaccttc  | cggaaacatt  | ctatggttac | aaccacgatg | caacttacc   | caagatcggt  | 2230620 |
| gtcaacgacg  | taatggtacg  | tcctgacgga | tggtggggac | agaacgggtt  | aggaagtttc  | 2230680 |
| ggaagcttct  | cacgtaagaa  | atggctgctg | atgatggaga | tttcaaatac  | caccgtagaa  | 2230740 |
| gattatgcag  | atatgaccat  | catgccgatg | ggacgtgcag | gagccattgc  | agaagcactt  | 2230800 |
| gcccgggtact | tgctggaaca  | agctaagaaa | ggaagagaat | atgcagttct  | ggaagacgac  | 2230860 |
| ggtaccatga  | tgactgtcc   | taccgtcaac | accatcgacc | cgaatgcatg  | gaaatacgg   | 2230920 |
| gatactccc   | acgattacta  | taacaaataa | taatttttaa | aacaggattt  | tactatgaag  | 2230980 |
| ctaactcata  | tattatatcc  | agccatgttc | ggctgccttt | taagcctcta  | ctcgtgtgtg  | 2231040 |
| gaagacaaa   | gctcgtacga  | tcactctccg | gtaaaccgaa | ttaccgttac  | gggtacagaa  | 2231100 |
| aaaacatatt  | ctgtgctggc  | tggtatcaca | gaactgacaa | tcgaaccgac  | gataaccgga  | 2231160 |
| actatattgg  | gagatgatga  | cagccagtac | gaatatacct | ggtagtcctg  | tcaaacagat  | 2231220 |
| ttgggaagtg  | accagcatac  | ccataccgta | ctcgggcatg | agaaaaacct  | gaaaacaacc  | 2231280 |
| gtagtcatga  | atccgggaag  | ctacagcctg | tacctgatta | tcaaagacaa  | ttccaccgga  | 2231340 |
| atggaatgga  | ttatatcaga  | tatgacactg | caagtcagca | cttactgac   | taccggtttc  | 2231400 |
| tacgtaattg  | gtgaaaaaga  | agacggagta | attggtatag | acttcctgag  | catgccgaac  | 2231460 |
| agcgtaggcg  | atacgaccat  | gatacacgat | atctttacta | actcagaaaa  | acttacaggg  | 2231520 |
| ccgaaaagatc | tggtgtatag  | aggcgatata | agcctcgcgt | caagacctgt  | aaacttgttg  | 2231580 |
| ctgattaccg  | aaaccgggtc  | ttacaaactg | gaaaactcca | ttcaggaaaa  | gaccatcttc  | 2231640 |
| gatattgata  | agacttataa  | cgaagccttc | actttcccat | ctcagctcat  | caagcaccgc  | 2231700 |
| gcgaaagtac  | tcgatcagtt  | cccgcaccag | ggaatatacg | gaagagcata  | cgaatataag  | 2231760 |
| aaccgtgggt  | tcattacgga  | agatggagtt | tttgcaagca | gtatcatttc  | cggagaaatc  | 2231820 |
| tttgcaagtc  | cgatcaaccg  | ttacgatgca | gctactacca | acctcttcaa  | gccttaccct  | 2231880 |
| ctgggattct  | gtaatcctta  | cggagaagtg | agtgcgtag  | tattctatga  | tatggattca  | 2231940 |
| gaatgctttg  | tatacctgaa  | aaacatgtat | actaaatact | gtagcaaaact | gactgaaacg  | 2232000 |
| gcaggagcct  | tctcctggca  | acagaccaac | cgtaccatcg | tatatggaga  | aaataatccg  | 2232060 |
| atatacagct  | ttgcgctgat  | gaagagtacg | gaaaacaata | cggattacta  | tatctatcag  | 2232120 |
| atgaccatta  | actattcaac  | tgaaccaag  | aacaatgcct | atagcttcac  | tactgccgac  | 2232180 |
| gctccagaca  | tcgacaaggc  | tacattctat | agtttccctt | acgaatatcc  | tgtcatgatt  | 2232240 |
| tatacagtag  | gcaacaaact  | gtatcagttc | aactacgaaa | cgaagtagtg  | caaggtagtg  | 2232300 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
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| gacattgtag  | tctgcaccta  | cgatccagct  | gcagaagctg | ataagagagg  | aactatctac  | 2232420 |
| aaatacacca  | tgggacagga  | tctgaatatc  | gaacctatca | tgacaggtgt  | agctctggat  | 2232480 |
| aaagagtttg  | tatatatac   | tccgctcaag  | ataaagaaga | tagaatatcg  | aaacagctca  | 2232540 |
| agataactta  | actcattttg  | agagattgcc  | ggaagccaat | ttacattcta  | gcgaaagaga  | 2232600 |
| aataagtact  | ccggcaatct  | cttttcgtac  | aatcaaacta | ttattcaatt  | catctattta  | 2232660 |
| ttcttatgaa  | aaaaacactt  | tcatcaattc  | tgttggtgtc | gacactggca  | accggtgctg  | 2232720 |
| ttacagctca  | gactaatttc  | cgcagcattg  | atttcaacga | agctctcaaa  | cagtcgcaag  | 2232780 |
| ccgaaaacaa  | gcttgatttc  | atcgatttct  | atactgactg | gtgcggtcct  | tgccgtaaaa  | 2232840 |
| tgtcgaaaaga | agtatttccc  | cagaaacaag  | tgggcgatta | cttcaacgct  | caatttgtct  | 2232900 |
| gcatacaagct | gaatgccgaa  | aaagaaggaa  | aagaactggc | tcagaagttc  | gaggtaaagg  | 2232960 |
| cctatcctac  | cttcatcatt  | gccgaccagc  | aagggaatac | aaaagcaact  | atcaccggag  | 2233020 |
| cttttcctgc  | cgacgcattt  | gtagctaaag  | taaaaaacga | actgaatccg  | gaaatggctc  | 2233080 |
| ccgaacgcat  | gaagcaacgc  | tatgaaagtg  | gtgaaagaac | cccagaactg  | gtagatgcct  | 2233140 |
| atgccatgtc  | gttcatggaa  | cagaaaaaga  | tggatgaggg | ttacaaaata  | attgatgatt  | 2233200 |
| atttcaattc  | actcagtgc   | aaacaaaaac  | ttgcaccgga | aaacctattc  | gttttcacac  | 2233260 |
| gctacacgtt  | cgatgtttcc  | gatccgaaat  | gtcaattctg | gactaagaat  | gttgaaaagg  | 2233320 |
| cagacagcaa  | gacaaaagaa  | atagcactgg  | ctcatcttca | gaagctctat  | cactcggcaa  | 2233380 |
| cttcgactta  | tctttcgggc  | tatgtctttg  | cagaaaacaa | attcaatgag  | gcagaatacc  | 2233440 |
| agcaactcaa  | gcaagatac   | tattcgctga  | aactggatca | gaaatatccg  | tttgctcctg  | 2233500 |
| tattcgagtt  | gatagaatgc  | tatgccaaag  | gagacaagaa | agcctatttc  | gaaatgttta  | 2233560 |
| agcagaaaaa  | atcagaactc  | gactcacaag  | atttcgaact | catcctactc  | aacgtttcac  | 2233620 |
| gtttgttccc  | caattcacccg | gaactgatgc  | ctgaagtaat | caaatatgtc  | agagcttcac  | 2233680 |
| ttcctgaatt  | acgtggttct  | tccatcatga  | tgctgggacg | tgtgctgatg  | aacttggaag  | 2233740 |
| agaactaaca  | gattaatcta  | cattttttatt | gagagaggtt | ttgctccttg  | cgaagcctct  | 2233800 |
| cttttttgta  | taagcactta  | acaagagact  | tccagacata | tgggcataaa  | aaaaggagta  | 2233860 |
| ccgctgtact  | ccaacctttg  | ttaaccttaa  | atctaatact | atgaaaaaca  | caatgcaaag  | 2233920 |
| atacggacta  | tctcgttatt  | agcaaacaaa  | tgaccaagaa | aatcgtgttt  | tacaacataa  | 2233980 |
| attaagaaaa  | gggacaaaat  | ctgtaacagt  | gtttttacaa | ttcaaaaagaa | aagactgagc  | 2234040 |
| tcccaacttc  | agcatatacc  | tatattcagg  | aactcagtct | atcaaaaagag | aggaaataat  | 2234100 |
| acgttttaaaa | gccttatttc  | accgttactt  | catcaataaa | gaaccatgaa  | ggatgacctt  | 2234160 |
| ctccataatg  | ccagggagga  | cataccttgg  | taccgcgtac | ttccactttc  | aggtatcgtg  | 2234220 |
| cctgtaaagg  | agtatccgat  | tcagctttca  | cccctctgaa | aagcaccttt  | cctgaacgtt  | 2234280 |
| cctccggcat  | atcaattgtt  | ttccatgcct  | gataattatc | gccatctgtc  | gaataactat  | 2234340 |
| acgatacgtc  | caacgggaaa  | agaaccagg   | ctcctatctg | gtgaaggaaa  | tctgtttcaa  | 2234400 |
| tgcttcttac  | ctccttcact  | tcgcctaagt  | cgagaacaaa | agctccgtca  | gtaccttccc  | 2234460 |
| atccaaccca  | gctctctacg  | aaaccggcac  | ccccgaacaa | tccgtcggtc  | aatgctgttt  | 2234520 |
| cacctaattt  | ctcgtaacgt  | tcgtgaggac  | gctgcaacca | gataacttta  | gctccttttg  | 2234580 |
| ccaaattgac  | attttctttc  | ggcaaataac  | gctcacgata | caacttgcaa  | taatccaatg  | 2234640 |
| cgtgattggt  | acgctcattc  | aacatcggat  | cgcccatacg | tttggttcc   | tgttcaaaat  | 2234700 |
| aatccagttt  | ttgcgttaca  | gccgtcaaat  | ctttctcggt | ttccgtacgc  | aacagctcca  | 2234760 |
| gttcggaata  | aagcaacggc  | attcgtgtc   | tctttaccgc | ctccagtaag  | acagtatcac  | 2234820 |
| tgctgactgc  | agcttcagcc  | tcatcaacaa  | gtttctgata | ccgtctcatc  | aatgccggac  | 2234880 |
| gcagcatacc  | gttcttgtga  | gaaacaggag  | aatcgtaaat | ccacaagcgc  | tgaccactac  | 2234940 |
| ccagtaaggc  | tccttccata  | atctttatgt  | aacgatataa | gtaatcgccg  | gctgcaccat  | 2235000 |
| aatatccgtt  | caggaaatgt  | ttcatcagct  | tatcaacatc | tgcatcgga   | ttccacatca  | 2235060 |
| gtttagaaac  | aagatacgt   | ctcagttcgg  | caaaatctcc | gcaccagtta  | cctgcaatct  | 2235120 |
| gagagaaatg  | catctttaca  | tgatgatcgc  | gaaatgtacg | tatattgtct  | tggagaatat  | 2235180 |

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|            |             |            |             |             |             |         |
|------------|-------------|------------|-------------|-------------|-------------|---------|
| gaaaatttgg | gaacggtgat  | aaataattat | cgaaattgat  | accataatcc  | cagacgaaga  | 2235240 |
| gattgtctgc | aatagtagac  | catccttcca | gcgctttcat  | aaactgacgc  | ccgctggcat  | 2235300 |
| tttctgtcaa | tgaacacctca | cggtcacaat | caatgtcgcga | taacatgacc  | gtcacattgg  | 2235360 |
| gcagcggctt | gatgtgcttt  | ggaggattca | tggatatacag | gtaagcaagt  | gttgcaaact  | 2235420 |
| ccttgtccgg | aaaacgtgca  | gccagtttat | tcaggaaata  | aatcatggaa  | cccgcacaatg | 2235480 |
| ccccttcttc | ctcatctatc  | ttccgacaat | tttcgcacgt  | gcaattggta  | taattgccat  | 2235540 |
| cattctggct | tacacaaatc  | agtttcttat | cgggattcgc  | cttgaagatt  | gaatcaatac  | 2235600 |
| gctgagaaac | gatctcgaag  | acttccggat | ttgtcagaca  | ccactgactt  | gcttttcccg  | 2235660 |
| gatttcgctt | gccgttgaag  | taagcataat | attccggatg  | cttctctcca  | taaactttctg | 2235720 |
| ccggaagtag | cttatcgaat  | gtatgtaccc | agtatccggc  | agcaaagtct  | tcttctggct  | 2235780 |
| cttccagccg | attccaccac  | ttataaatag | aatcatTTTT  | catggcgtaa  | cactgtgtct  | 2235840 |
| gccggtatcg | gaaaaccgga  | ttgtctacct | tttcaatcaa  | cggcaatgaa  | atattctccg  | 2235900 |
| atttagtcag | cgagtattca  | ttctccccc  | agtaatctat  | tcctaaataa  | tcttccagca  | 2235960 |
| aagatactgc | accataaacc  | actccattcg | ccttaccgga  | aatcttcaag  | attcctccgg  | 2236020 |
| cagtagacaa | agcgtaccgg  | tcttctttca | catccatcgg  | cgcttcagaa  | ccgataatta  | 2236080 |
| catcgctttt | ccttgccgtt  | ttattcgtaa | ccacaggcat  | atctgcccc   | gaaatacgtt  | 2236140 |
| ctacaaacaa | gcgcagtatg  | tttgctgctg | tacggttcac  | ccttgaatct  | tggtgtaaaa  | 2236200 |
| taatgatcga | tttcgttttt  | ccatccttca | ctaaatcgac  | ttgtgcctcg  | gccggcaaac  | 2236260 |
| aaactgaagc | cagcagtgca  | cctaattgaa | acgttgaaaa  | atgtcccaat  | gttttcataa  | 2236320 |
| atatttagat | aaaaaagaag  | gcgacagacc | ttataggtag  | cgcttcccat  | gttgtattta  | 2236380 |
| tttctttctt | ccccatcaaa  | acgctcatta | tgcattcttc  | cggaaaggag  | gcttaaccac  | 2236440 |
| ttgagctttc | aggtggcgcc  | cgcggttatc | cagataaatt  | tctgtaccgg  | gcttagcaaa  | 2236500 |
| cgctgtctgc | acatatccca  | gtccgatacc | aatcttacgg  | gtaggcgaca  | tggtaccgga  | 2236560 |
| agtaacatgc | ccgatgggat  | ttccttctgc | atccagcaaa  | gcatagccct  | gacgaggaat  | 2236620 |
| acctcggtct | atcatctcaa  | aaccgaccag | acggcgtgtc  | acaccttcgg  | ctttctgttt  | 2236680 |
| ctccagtgcc | gcacggtttg  | taaagtcttt | tccgtcaaca  | aatttggtta  | tccatcccag  | 2236740 |
| accagcctca | agcgggtgaag | tcgtatcgtc | aatgtcattg  | ccatagagac  | agaatcccat  | 2236800 |
| ttccagccga | agtgtatcgc  | gtgcaccag  | tcctgccggt  | ttaataccaa  | actccgcacc  | 2236860 |
| tgtctcgaaa | atagcattcc  | agatacgatc | ggcatcctga  | ggataaaaaat | aaagttcaaa  | 2236920 |
| gccaccggca | cccgtatatc  | ccgtattcga | gatgataaca  | ttcgggtactc | cggcaaaactc | 2236980 |
| cccaaccttg | aatgtataat  | aaggaataga | cttcagatca  | accggcgtga  | gcttctgcaa  | 2237040 |
| cgtatcgatc | gctttcggtc  | cctgaaccgc | cagctgtgcg  | atacggtcgg  | atgagttttc  | 2237100 |
| gagttccgca | cccaccgtat  | tatgtgacac | acaccagttc  | cagtcctttt  | caatattggc  | 2237160 |
| agcattcacc | accagcatat  | acttttcggg | ttcataatag  | ttaaccagca  | aatcgtcgac  | 2237220 |
| aatacctcct | gtttcattcg  | ggaaacacgt | atactgcacc  | ttaccggcg   | taagcacggc  | 2237280 |
| agcattgttg | gaagtaacct  | gctggataaa | ttcaagggca  | tgcggtcctt  | ttacccaaaa  | 2237340 |
| ttcccccatg | tgggaaacat  | cgaaaacacc | tacagcctca  | caaaccgtat  | gatgctcgtc  | 2237400 |
| gaggattccc | gaatattcaa  | taggcatgtt | ataccctgca  | aattcatgca  | ttttggcacc  | 2237460 |
| gagagcaata | tgcttctcgg  | taaaaggagt | tgttttcatc  | agatagaatg  | tttaaggtta  | 2237520 |
| atgtataatg | atgaatcacc  | acagattata | catcgttctg  | tctgaagcga  | tataccagcc  | 2237580 |
| caaactgggt | ataacctgtg  | gtgaaaggag | ctattctccc  | tgcatttttag | taatcagtta  | 2237640 |
| tcaatatctt | tttgcggtca  | gttcggcaat | cttgacaacc  | acattcatag  | ccttctcgat  | 2237700 |
| agactgaatt | ggaacaaact  | cataacgtcc | gtggaaattc  | aaccaccgg   | caaagatatt  | 2237760 |
| cggacaaggc | aatcctttga  | acgacagctg | tgctccgtct  | gttcctccac  | ggatggcctt  | 2237820 |
| caccttcggt | tccactccag  | cttcctgcat | ggcagcaaaa  | gcaatgtcga  | tgatatgcat  | 2237880 |
| caacggctct | acctgctgac  | gcatgttata | atactgatct  | ttgatatcaa  | tcttaaccgt  | 2237940 |
| accttcgccg | tactttttgt  | ttatcttttc | agcacacgac  | tgcataaaaa  | tcttgctgctc | 2238000 |
| ctcgaacttc | tgacggtcgt  | ggtcacggat | gatataagaa  | accgtagcct  | gttctacttc  | 2238060 |

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|              |            |             |            |             |             |         |
|--------------|------------|-------------|------------|-------------|-------------|---------|
| accagtcatt   | ccaatcagat | gatagaaacc  | ttcgtatcct | tcggtagtag  | caggagtttc  | 2238120 |
| attttccggc   | aacatgccta | caaattcatt  | ggctacgagc | aaagcattga  | tcatcttgcc  | 2238180 |
| cttcgcatag   | cccggatgta | catttctacc  | ctttacatgt | accttggcag  | aagccgcatt  | 2238240 |
| gaagttttcg   | aactccagtt | ctcctacttc  | tcctccatcc | atcgtatacg  | cccacttgca  | 2238300 |
| tccgaacttt   | tccacatcga | acttatgagc  | tcccagaccg | atttcctcgt  | ccggattaaa  | 2238360 |
| accgatacga   | atttttccat | gttctatctc  | aggatgttcc | ttcaggaag   | cgattgcagc  | 2238420 |
| aacaattttcc  | gcgatgcctg | ccttgctcgtc | ggctcccagc | agcgtatgac  | cgtcggttac  | 2238480 |
| tatcaaatcc   | tcgcctacat | gatccagcaa  | ttcggggaac | tgtttcggcg  | aaaggatgat  | 2238540 |
| gccctcttcc   | ttacacaaag | gaatatcctc  | gcctccgtag | ttacggataa  | tgttcggatt  | 2238600 |
| cacatttctct  | cccgcataat | cggggctggg  | atccatgtga | gcaataaatc  | cgatagtggg  | 2238660 |
| tatatctcga   | ttcacattgg | caggaagagt  | agcaaacaaa | tagccgttgt  | catccaacga  | 2238720 |
| aatatcttcc   | agtcccagcg | cttcagctc   | ggttttcaga | tatttgga    | acaccatttg  | 2238780 |
| tttcggcgta   | ctgggagtag | caccggttga  | ctcgtcagac | tgctgtcga   | aagttacata  | 2238840 |
| cttcaaaaaa   | cgttcaatta | ctgtcatata  | ttctttcgtt | gttaatgatt  | cttttgtgta  | 2238900 |
| aaaataagaa   | atagcttccg | aacagccaaa  | cacattacca | ttttttaggc  | gttatttata  | 2238960 |
| atcggcgcgcat | cccatttagt | atatagccgt  | taaaaacacc | tagcatacca  | caaactctta  | 2239020 |
| caaaaagaca   | gggtagatac | tacttttttt  | catacttttg | tagccgaaag  | tatataatta  | 2239080 |
| tgaaaagaac   | aatcttagta | tgtctaacat  | gcttgtttgc | aattgcttgc  | ttggctcaag  | 2239140 |
| aagcgaacag   | cataccaacg | aacgataccc  | tttccacaca | cacactgaat  | aaaaaagaac  | 2239200 |
| tgcatcagaa   | gaaggttga  | gagcgtaact  | tacactataa | tattctggga  | ggacctagtt  | 2239260 |
| tcagccccga   | ctttggtctg | ctggtaggag  | gaagtgcctt | catgaccttc  | cgcatggatc  | 2239320 |
| caaaggatac   | caccatgcgt | cgttccgtat  | tgctgtggc  | catggcgttt  | atgtttaagg  | 2239380 |
| gaggactgaa   | catcatgggt | aagcctcaac  | tgttcttcaa | gaacgacagg  | ttccgtattt  | 2239440 |
| tcggacagtt   | cagctacaag | aatacgtacg  | agaatttcta | cggaaatagg  | tacacaacca  | 2239500 |
| acaaggatta   | cgtgcgaagc | gatacaacca  | gccagtaccg | gtacagcggc  | atccagatta  | 2239560 |
| atccgtgggt   | cctgttccga | ttgggggaaa  | gcaatttctt | tgccggaccg  | caagtcgacc  | 2239620 |
| tgaactacga   | caagatcatg | aatcctgcca  | aatacctggt | agagcaggcc  | gattacaaac  | 2239680 |
| gggcaggagg   | tgacgccagc | ggatacagca  | atttcagttc | gggactggga  | ttcttgctga  | 2239740 |
| cctacgatac   | acgtgacgtt | cctgccaatc  | cttacaaggg | aatttatctc  | gacctcaggg  | 2239800 |
| gcatcatgta   | ccagaaatgg | ctgggaggag  | atgacaactt | ctaccgcttt  | gagttcgact  | 2239860 |
| accggcaata   | caaatcgggt | ggacaacgga  | aagtgtgtgg | gtggacgggt  | cagacaaaaa  | 2239920 |
| atgtattcgg   | aagcaatatc | ccgtgaaca   | aatatgtgct | gagtggaacg  | cctttcgact  | 2239980 |
| tgctgtggtta  | ttacatgggg | caatatcgcg  | acaagagtgc | tcatctgggt  | ctcgtggaat  | 2240040 |
| accggcagat   | gttcaatacc | gacaagagta  | actggatcaa | aaaaatcatc  | catcacctgg  | 2240100 |
| gattcgttgc   | ctggggagga | gccggattca  | tgggacctac | gccgggaaag  | atagaaggag  | 2240160 |
| tgctgcccga   | tgacggactg | ggattgcgca  | ttgaggttca | gcctcgtatg  | aatgtgcgcc  | 2240220 |
| tcgatttccg   | acgaaacttt | atcaaccgac  | agaatctggt | ctatttcaat  | atgacggaag  | 2240280 |
| cgttctgata   | cattaaaaaa | atataaacgg  | ggaaagacgt | atgccagaaa  | tatcttcata  | 2240340 |
| ctggcatac    | tcttttttct | ttcctccaag  | actatttctt | ttcaggaaat  | catcagaatg  | 2240400 |
| gataattatt   | cagaaaagat | ttcttattac  | caccgttaca | gttttgtaac  | atacctatca  | 2240460 |
| tagctttgca   | gcgttttttt | taaatcacia  | aaagattggt | gttaaattgaa | agaatttagt  | 2240520 |
| ttatcgtttt   | tgcttatgct | aatggtacac  | ttatatgcat | tggcacaagt  | aaccacttcg  | 2240580 |
| ggcatgaatg   | gcttggtgaa | aggcggtaat  | gaaccactga | tcggagccac  | aatcgtagct  | 2240640 |
| gtacatgttc   | cttccggaac | aagttatggt  | acagtaacca | acatggacgg  | acgtttttatc | 2240700 |
| ctgcaaggta   | tgctgaccgg | aggaccttac  | cagattaagg | tatcctatat  | cggattcaaa  | 2240760 |
| acggctgtct   | acgaaaacat | ccacctttca  | ttaggtgata | atctcgtatt  | gaatgtagac  | 2240820 |
| ttgaaagaag   | accttgga   | acttgatgaa  | gttggtgtag | tcgctaccgc  | ctccaaactc  | 2240880 |
| tccggaacga   | agacgggtgc | ttctaccaat  | attaacaacc | gcgaaatgac  | cgccttgccg  | 2240940 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
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| ggtgccggaa  | tcaatgccat | caccaagagt | ggtacgaata  | cgtttaaagg  | tactgcctat | 2241240 |
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| cgccccgttg  | aagctcaccg | tacatatggt | tttaccattg  | gaggtcctct  | ggtaaaaaac | 2241360 |
| aagttattct  | tctttgtaaa | cgggtgaacg | gaagaatcgc  | ccagcccgat  | cttcaaattg | 2241420 |
| cgtttgctctg | aagacggtgt | aggaaacgat | gcggagatga  | tttcacgtgt  | taccgcagcc | 2241480 |
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| aacatgaaca  | acaagttcac | catacgttac | aattatacca  | aaaacaaata  | caccaaccct | 2241660 |
| accagccaga  | gtatgcctaa | caaggatgtg | tcacacggac  | actatgggg   | tgcttctatg | 2241720 |
| cctttccgca  | acagctgcta | cgacatgaac | aacttggttc  | actcgctcac  | tgccgaatta | 2241780 |
| aacagtaact  | ttggcggaaa | gatgtctaac | cagattctgg  | gtacttatac  | caaaatagcc | 2241840 |
| gatgaacgtg  | gctccgactc | ctccatcttc | ccgatggtgg  | atatacctgaa | agacggagat | 2241900 |
| atgtttatga  | ctgccggtta | tgaactgtat | acgtacaaca  | atgccgtaca  | caacgacatc | 2241960 |
| tggacactta  | ccgataaact | taccatgaac | ctcgataaac  | atgtcataac  | agctggtctt | 2242020 |
| gcgtatgaac  | atcagtatgt | aggcaactca | tttatgtcca  | gcggactggg  | atattatcgt | 2242080 |
| tataacagcc  | tcgaggattt | caaaaacgga | gcagccccc   | tcctgtactc  | gcttacctac | 2242140 |
| ggctacggtg  | gcgaagacaa | gcctgttgcc | gaactttctt  | tcggacagtt  | ctctgcttac | 2242200 |
| ctgcaggata  | tgtggagcat | cactccctat | ttaaaagtaa  | ccggtggtat  | tcgtattgat | 2242260 |
| gcaccgtctt  | acctgaacga | cctgcaggaa | aacaagggtg  | tatcggggaat | gacatttgca | 2242320 |
| ggaagcgcca  | aaatcaatac | cagccagtg  | ccgtcaacca  | aatcatggt   | ttctcctcgt | 2242380 |
| atcggtattca | actgggatgt | gttgaaagac | aataccctgc  | gtctgcgtgg  | tggtagcgga | 2242440 |
| cttttcaccg  | gacgtattcc | gtttgtattc | cttaccaaca  | tgcttacc    | cagtggatg  | 2242500 |
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| atttccaaga  | acgacgtcat | tgcccgactg | ccggaacagt  | tcccgcac    | tccagtagaa | 2242620 |
| aaggctccgg  | gtacggtagc | aggtatcgat | cctgacttca  | aactgccgca  | ggtttgga   | 2242680 |
| aacacattgg  | cagccgattt | caagttgccg | cttccgttta  | ataccgaaat  | gactctcgaa | 2242740 |
| ggaatctatg  | ccaaaaacct | gaatgcggtc | atccagcaga  | atgtaaacgt  | tattccgctc | 2242800 |
| agcgatccga  | agatgaaacg | atttgccggt | cccataacc   | gttacctcta  | tccgggagct | 2242860 |
| accgaaagcc  | gcataataca | agacatgtcg | ggagcctata  | tgctgaccaa  | tacaaccctg | 2242920 |
| ggatatagct  | atagcctgaa | tgcttctctc | agaatgaacc  | ctgtagagaa  | tctgaatgtc | 2242980 |
| ctgttatcgt  | atacttatac | cgattcaaaa | gaagtttcgg  | gcaaccggg   | agcacagccc | 2243040 |
| aacgagcttt  | ggcaaaacgt | gccaaccgta | aacggaggca  | actatatgca  | gctcaccaat | 2243100 |
| tcacagtacc  | ttactccgca | caaggtgatt | gcttcgttgt  | cataccgcat  | tccttatgcc | 2243160 |
| aagaacttcg  | cgacttcggt | aagcctcttc | tactccggat  | ataatgccgg  | caacttctct | 2243220 |
| tacatgtacg  | atggtgacat | gaatcaggat | ggtatcaaca  | acgacctgat  | ttacattccg | 2243280 |
| aagagcaagg  | atgagctgac | atttatcgat | aagaacggat  | ttacggcagc  | acagcaggca | 2243340 |
| gaagctttct  | ggaattacgt | aaaccaagac | tcttacctga  | aaaatcataa  | aggtgaatat | 2243400 |
| gccaaaggcat | actctgccc  | ctatccgtgg | gtgaatcagg  | tagacctgaa  | agtggtagaa | 2243460 |
| gactttatcg  | tgaaagctgg | aaagacgacc | aatactcttc  | aggtttcact  | cgatattttc | 2243520 |
| aacataggca  | acttgctgaa | agatacatgg | ggtatctcta  | aagttccggt  | aaacagcgga | 2243580 |
| cgatatctga  | aatacgaagg | tgtaactgcc | gataatgttc  | ctacttactc  | aatgtatcag | 2243640 |
| tcggacggta  | aacttcctac | cgaaacattc | tcttacctga  | aaaacagctc  | agactgctgg | 2243700 |
| caaattcagg  | tgggtatagc | atatatattc | aactaatggt  | tttatttttc  | atgggatatt | 2243760 |
| gccgcggagt  | acctgcaaag | gtactttcgg | caatattcct  | tttttatttt  | tcaagcatca | 2243820 |

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| gatacgattt  | caaggaaaat  | cacccgctgg | aaggaggcct | gccacaagta  | gcttcttacg  | 2244000 |
| ttcgttcgca  | acgtgacagt  | ctggggaaag | aaaattgtat | tctgggtggat | gccggcgatg  | 2244060 |
| ttctgcaagg  | acagccttgt  | gtttattaca | ccaacttcac | cgatacga    | agtccgcacc  | 2244120 |
| tcgcaagcga  | aatgatgaac  | ttcatgggct | acgatgccgc | tgcccttcggc | aatcacgaca  | 2244180 |
| tagaagccgg  | acaccccggtg | ttcaaccgtt | gggttgccga | ctgttcgttt  | cccgtactgg  | 2244240 |
| gcgccaacat  | tctatcgaaa  | gcaaaccgta | agccttatgc | caaaccgtat  | tgcatttgtg  | 2244300 |
| aacgcgaagg  | tgtaaagata  | gccattctgg | ggatgattac | gcctgccata  | ccgatgtggc  | 2244360 |
| ttcccgaaaa  | gctctggcag  | ggactacaat | tcgaagatat | ggtagagagt  | gcaaagaaat  | 2244420 |
| gggtaccttt  | cattctcgaa  | aaggaaaaac | cggatgtcat | ggtaggacta  | ttccactgcg  | 2244480 |
| gactgaagtc  | gcacggacaa  | aacggataca | atgaaaatcc | cgcgaggagaa | attgcacgca  | 2244540 |
| acattcccgg  | actggatatt  | ctattctacg | gacacgacca | tcaggcgtat  | tgcacgagc   | 2244600 |
| ttaccaacaa  | tgtttcgggc  | aacaacgtat | ggcttctcaa | tgcaggagga  | gaaacggtac  | 2244660 |
| acgtagccga  | ggctatcctg  | acctgctcgg | tagacgatgg | taacgtaacg  | gacaaaaaaa  | 2244720 |
| tagctggaaa  | gctgggtatcg | gtgaaaggga | tgaaccgga  | tgaggcattt  | ctggaacgct  | 2244780 |
| tcaaaaacaa  | acaagaggaa  | gtacagaaat | tcgtgtccga | agaaataggt  | acgctggata  | 2244840 |
| aacccattta  | cggtgccgat  | tatttcttcg | gcaactctac | gataggcgat  | ctcatgcatc  | 2244900 |
| atgttcagtt  | ccaacaaatg  | aaagccaaca | tttcgctggt | tactcctttg  | gtatacgatg  | 2244960 |
| atgtggtgaa  | ggccggcaag  | gtagctgtaa | gagatatttt | cacactctac  | cagttcgaga  | 2245020 |
| acatgataaa  | cgtgttcgag  | ctgaccggaa | aagaggtagc | cgatgcactg  | gaatattcgt  | 2245080 |
| attcacgatg  | ggtcaacacg  | atgaagtgcg | ccgacgacca | tgcactgaat  | atccgtatgc  | 2245140 |
| aggaaggcag  | gaaagctcgt  | atcgacgcgg | cgaccttctg | tctcatgtcg  | gctgccggaa  | 2245200 |
| tttcttatga  | agtagacctg  | agccagcctg | taggaaaaag | agtgcacatc  | ttgaaaatga  | 2245260 |
| gggatggaag  | cccgttttcg  | ctggacaaga | cttaccgtgt | ggcagtcaac  | tcgtacgtag  | 2245320 |
| gtagtggagg  | atgcggactg  | ttgaccgaag | gaaccggatt | gtctatgtcg  | gaactccgca  | 2245380 |
| gtcgcgatgaa | agagacttcc  | gatcatgagt | tccgctatta | tatcatcgat  | ttcttccgct  | 2245440 |
| cctcgaaaagg | acctctccag  | ataactcccc | tgtccgactg | gaagttttgtg | ccagattctc  | 2245500 |
| tggtaaaaaaa | ggctttggaa  | tccgaccgca | agctgctgtt | tggagaataa  | aatcgagacc  | 2245560 |
| tgcccttaga  | tattcctaaa  | aaataccctt | cgttttgctg | ttcacaaccg  | gaaggcaaaa  | 2245620 |
| cgaaggggat  | tttcatgtat  | aagaggatcg | attgtatcag | aaccggctgg  | aaccgtcgaa  | 2245680 |
| acaatgtgtg  | cagaccttgc  | acttcggcag | tccgatagcc | tcaatcaatg  | tttccagcgt  | 2245740 |
| attgaatcgc  | agggaaagtc  | gtccgaagcg | ggcacggata | cgctccacca  | gttccttgta  | 2245800 |
| ttcgggagag  | tcggtggtag  | catagcggtc | gagcttagca | ttctcgtcgc  | cctctatttc  | 2245860 |
| cttgatgata  | cgacgggtaa  | tcagttccat | gtcgtctttg | gaagacgtga  | atccgataaa  | 2245920 |
| cggacagccg  | taaatgagcg  | gcggacaagc | gatacgcagt | tgcacctcct  | tggtcccgta  | 2245980 |
| atcgtacaat  | atcttcacgt  | tgtcgcgaag | ctgggtacca | cgcacgatgg  | agtcacgcga  | 2246040 |
| gaacagcaga  | cgttttccct  | gcaacatggc | gcggttcggt | atcagtttca  | tctttgccac  | 2246100 |
| cagcgaacgc  | atctcctgat  | tgctgggcgt | aaagctgcgc | ggccaggtag  | gagtatatatt | 2246160 |
| tgcaatggca  | cgatgatacg  | gcacgccttt | tccttcagca | tatccgagcg  | ccatacccac  | 2246220 |
| acccgagtcg  | ggaataccac  | aagcacaatc | gacttctgat | tcacccgtct  | tacccatctt  | 2246280 |
| gtaaccgctc  | atgaaacgaa  | cttcctctac | gttacgacct | tcgtagcaag  | acaccgggaa  | 2246340 |
| accgtaatac  | accacagga   | acgaacaaac | ctgcatttcc | tcgttcggct  | tgcggagctg  | 2246400 |
| ttccagtcg   | tcggcacgca  | tacgaagaat | ctcaccgggt | cctacatagc  | ggtcgatttc  | 2246460 |
| ataatcgagg  | ttcggaaaac  | tgctcgactc | actggtagct | gcatacggcc  | cgttcttttt  | 2246520 |
| accaataaca  | ataggcgtag  | gtccccattt | gtcgcgggca | acaataatgc  | cgtcttccgt  | 2246580 |
| cagaatcagc  | atcgagcagg  | aacctttgat | tttcttatac | acattttcta  | tgccatctac  | 2246640 |
| aaagtcctta  | ccctgtacaa  | tcagcaatgc | gacaagctcc | gtctggttgg  | ttttaccag   | 2246700 |



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| actcatctca  | ctgaagtgca  | tgttggcatc  | cagcaaatcc  | ttctccagtt  | cggccatggt  | 2246760 |
| attgattttt  | gccactgtca  | caattgcaaa  | ctttccgaga  | tgagaattaa  | tcattgattgg | 2246820 |
| ctgcggatcg  | gtatcgctga  | taacgcctat  | acccgactta  | cctctgaact  | ttggaagtcc  | 2246880 |
| tgtttcaaat  | ttcgtgcgga  | aataagaact  | ttccagacta  | tgaattgaac  | gtacaaaacc  | 2246940 |
| ttctccttcc  | gagaaagtgt  | ccataccggc  | gcgttttgtt  | cctaaatgtg  | aattgtaatc  | 2247000 |
| cgtaccgtaa  | aataaatcgg  | tcacgcattc  | agccatcgag  | actgtaccga  | aaaaaccacc  | 2247060 |
| cattcctttt  | ttaattttat  | aattaatagt  | tcgattttcg  | agtgcacaaa  | tacgcaaaag  | 2247120 |
| acaagaagta  | cagaaaaaac  | agagcataga  | aacttgatta  | aatcaagaa   | atattcatca  | 2247180 |
| aaaggagtga  | atctttttct  | ataacatctt  | ttaacaaaag  | agaagtaggg  | gaattatata  | 2247240 |
| gggcatgcgt  | taagataaaa  | aagattttcca | agacactaat  | aaaaaaacca  | tagccattat  | 2247300 |
| gacaaaaacg  | attttaccac  | tggacttttt  | cttatttagga | ggcgcattta  | tctctccatg  | 2247360 |
| cgaaaacgaa  | gaactaacgg  | tagaatccgg  | tatacccgca  | taccagcttg  | ccaagccaaa  | 2247420 |
| taatctggaa  | tatccggaaa  | acaacagatc  | acaacctgta  | gaacaaccgg  | aagaatatat  | 2247480 |
| caaaatgtca  | cctcttcctt  | cttgctgaca  | ttttgcatat  | ctcgtcgatt  | gagaatcatt  | 2247540 |
| tattttccgga | gacttatacg  | aacagaagtt  | tttaacgaaa  | tcaaattcga  | atgaatcaat  | 2247600 |
| tatcaatcaa  | acagatagac  | tgatttttaa  | catattatta  | gagaggaaat  | agccattttt  | 2247660 |
| ccttcattaa  | aataccgatt  | ttagagtttc  | aaagcacttt  | atcgaaaaga  | aagaaccaac  | 2247720 |
| ttgtcaggag  | atttttttta  | tttctctcga  | cgtttttaaa  | atttctttcg  | ccatatacctc | 2247780 |
| caatacatgc  | tcaggaattc  | tgtataaaaa  | gccagaatat  | tgtattttcca | tgcaataata  | 2247840 |
| tggaataaaa  | tttcagatta  | atcgccctgt  | tctttgctaa  | aattgtcaca  | ctacagaaag  | 2247900 |
| tgtaaattta  | tgtttggccg  | cgttatccga  | caaatgaata  | ctatcaaacc  | acattttgat  | 2247960 |
| tgcattttga  | taacgctccg  | atttcatccc  | gacgggacag  | caatatccgg  | ttaacatcat  | 2248020 |
| ttacacggcg  | tcattccagc  | ccgaatgccg  | gcaagaaaga  | atgactataa  | aagttctccg  | 2248080 |
| gaaaaatttt  | cataaaaaaa  | gacagaaaga  | ttaaacaaaa  | gcgctacagg  | attgttttat  | 2248140 |
| tatacgacag  | aagaattaaa  | gaggaaaaca  | attggactaa  | ctaaactttt  | atgtacaagt  | 2248200 |
| aaaatgctgc  | cgctacaaca  | ccggcgccat  | tttttatgcg  | cctaactaag  | tcttcagggg  | 2248260 |
| gataaaaaaca | aaaaagtttg  | aaaccatgtt  | ccaacttctt  | cgagcctctt  | gtcggattcg  | 2248320 |
| aaccaacgac  | cccagagatta | caaatcacgt  | gctctggcca  | actgagctaa  | agaggcaata  | 2248380 |
| actatgtttt  | attttcgagc  | ctcttgctcg  | attcgaacca  | acgaccccga  | gattacaaat  | 2248440 |
| cacgtgctct  | ggccaactga  | gctaaagagg  | caggtgggta  | agcttaccat  | atcgcgccgc  | 2248500 |
| tacaaccaac  | tacctttgct  | gcgatcaagc  | cctggaggat  | tcgaagggag  | ctggccgtat  | 2248560 |
| gggacttacc  | catgttaggt  | ctgcatcaga  | gattcatcgt  | gtgatgtttc  | tcatttgctg  | 2248620 |
| gtgcaaagg   | agatatattt  | tttgaaacctg | caatactttg  | tctcaaaaaa  | atgcacaaaa  | 2248680 |
| attgaagaaa  | acgctatttt  | tatcggtttt  | atagcccgga  | atatctccaa  | aaaacgtact  | 2248740 |
| tttgtagtct  | taataatata  | aataataaag  | gaaaaacaga  | aatgccacaa  | gacaaaccga  | 2248800 |
| ttacacttca  | agaacatgcc  | atgcgatttg  | gtactttcat  | gggaatatac  | tggaataata  | 2248860 |
| aattcatttt  | cctaccctta  | ggattcagta  | ttcccttctt  | tcagctcttg  | tttgtgctgc  | 2248920 |
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| ctacgcttct  | ggtagccgtg  | gcacactaca  | tttattttccg | ttttctggat  | catggctttc  | 2249100 |
| tgccaatgc   | ctacttgagc  | cagttggaaa  | acgtcaaate  | ggctgcacag  | ggtgaaatgg  | 2249160 |
| caacttccat  | cgaccagttg  | attcaggcgt  | tcgatgccat  | ttcatcgctc  | accctctgct  | 2249220 |
| aactcacttt  | tcaattgatt  | tttcaaaaca  | tatttttacg  | tatcctgctt  | gccataccta  | 2249280 |
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| tacctttata  | taatgaggaa  | gagtcctttac | ccgaactgca  | tgcttggaata | aagagagtaa  | 2249400 |
| tggaatgcaaa | tcacttcagt  | tacgaaatca  | ttttcgtaaa  | cgacggcagt  | accgacggtt  | 2249460 |
| cgtggaagg   | gatcgaggca  | ctgagccaga  | agaacaagga  | agtgaagggg  | ataaagttcc  | 2249520 |
| gtcgtaaacta | cggcaagtgc  | cctgccctgt  | tctgtggcct  | cgaacgtgcc  | gaaggcgatg  | 2249580 |

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| gcatgattac | cgctcgacggt | tacgatctgg  | tttccggatg  | gaagcagaaa | cgctacgatac | 2249700 |
| cgctgtcgaa | aaccattccg  | accaagctgt  | tcaatgctac  | ggcccgtgcc | gtttcgggta  | 2249760 |
| ttcacaacct | gcacgacttt  | aactgcggat  | tgaaggcgta  | tcgcaaggat | gtggtgaaga  | 2249820 |
| acatcgaagt | gtatggcgaa  | atgcaccgct  | acattcctta  | tctggccaaa | aacgccggct  | 2249880 |
| tcaacaaaat | cggtgaaaag  | atcgttcatc  | atcaggcacg  | taaatatgga | aagaccaaata | 2249940 |
| tcgggctgaa | ccgcttcgtc  | aacggatatc  | tggatttgct  | caccttggtg | ttcctgtcta  | 2250000 |
| ccttcggtat | caagccgatg  | cacatcttcg  | gttttctggg  | ttccatcatg | tttatcctag  | 2250060 |
| gttttatcgc | agtagctatt  | atcggtgtca  | acaagttgta  | cgacttgat  | tcgggtaatc  | 2250120 |
| cctaccggct | cattacagac  | agcccgtatt  | tctatctggc  | actgacgacg | atgattatcg  | 2250180 |
| gtacgcagct | gttccttgcc  | ggatttatcg  | gagaactgat  | agcccgcaat | gctcctgaac  | 2250240 |
| gcaacaaata | tcaaatagaa  | aaagaactgt  | aaccatgaga  | aaactaccgg | ttatattagg  | 2250300 |
| cttgctttta | ttgttatgcg  | tgttcttccc  | cgctgtgag   | gtggaaaact | gtccgcctaa  | 2250360 |
| ctccatgtcg | tatgcgtact  | tttactgggt  | cgacaaaac   | ggaagatcgt | tcagtacgtc  | 2250420 |
| ggatactata | accattgtag  | gacaaacgca  | tgccaatatac | gtggtatacg | atacacttac  | 2250480 |
| cgacggaagc | ctgcgaccgc  | gtaccgtcga  | ttctctgatac | tcggatacgc | tggtaaccgc  | 2250540 |
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| attcagttac | cacagtctgg  | aaaggatgtt  | tgccggaaga  | gataccatca | gtatcacgca  | 2250660 |
| ccggaacatt | ccgtatttct  | tcaatctgga  | ctgcagctcg  | atgatgtttt | acgaagtgc   | 2250720 |
| cggagtaaca | agtaccacc   | accgccttga  | ctcactgact  | ataaccaacc | cgaatataga  | 2250780 |
| taataatgaa | aaagagaact  | tcaaaatata  | tttactgtt   | attgcttctg | acgagtagcc  | 2250840 |
| tgctgcttcc | gctgccggct  | catgcgcaga  | aaaaggacaa  | ggaaactctg | aaaaaggaat  | 2250900 |
| acgaagcatc | tccgctctat  | cagggaactt  | ccatcggagt  | tgaagttgcc | ggcgcagcag  | 2250960 |
| gatacctgct | gggaggggat  | gcgctgagca  | gcgaaatcat  | cttgacgacg | aacctcaaga  | 2251020 |
| accgcttcct | gcccgtcatc  | gaagtaggtt  | acggaaaaac  | ggatgccacc | aacgatgcta  | 2251080 |
| acgacatgca | ctttaagaca  | tcggcgcctt  | acttccgcgt  | aggtatggac | tacaacgtat  | 2251140 |
| tttatcagaa | gccttacctg  | ccgggatatac | tgtatgtggg  | cctgcgatac | ggcatgagca  | 2251200 |
| gttttaccta | cgatgccagc  | ggtcccgcga  | tgaccgaccc  | gaactacggg | ggacacatca  | 2251260 |
| ccgtaccta  | tgccgacttg  | ggcgaaaaga  | gcagtgcaca  | ctgggtagaa | ggtgtggtag  | 2251320 |
| gcatcaaggt | aagaatatac  | aagcgcttcc  | acatgggatg  | ggccgtacgc | tacaaaaagc  | 2251380 |
| gtttgagcgt | caccgaacac  | gagaactcta  | cgccgtggta  | tgtaccgga  | ttcgggaaaa  | 2251440 |
| atgcaggaa  | cagcttcaac  | ctgacgtata  | atttaattta  | taacctacct | ttttaagcaa  | 2251500 |
| tagttcgta  | aaaattagcc  | cagcctaagc  | ggctctggca  | gtaaataaaa | tgagttcttt  | 2251560 |
| gaaaagtgtg | tcaattaatt  | gcgtgtttgg  | ttcaatccca  | gacacgcaaa | taaatcgttc  | 2251620 |
| aagcatgtaa | gcattgtgta  | tgactgactt  | gcatgatgat  | atggaatatt | ttattcccat  | 2251680 |
| cttcttacag | gcagccttgg  | cgaggtttat  | cgctgcaagt  | gatgcattaa | agtggaatgc  | 2251740 |
| cagtttcctg | aagtctgtag  | actgacagtt  | tgctattccg  | gcatgttgct | tggcatcccgc | 2251800 |
| aaagcagaat | tcgagttgga  | aacgtgttct  | gtaaaagtcc  | aggacatcct | gtgcgttctg  | 2251860 |
| tatttcggtt | gtagagaaat  | acagctgcca  | tttgtccgtt  | cttccatcca | tggggtacca  | 2251920 |
| tacagccagg | ctcacaagc   | gtttgagtgc  | tttgagatg   | gctttcagtc | cgtaaagtgtt | 2251980 |
| acccttggtc | actttgtact  | cggtacatct  | tgtgatgtcc  | agattttcaa | agtcaatttt  | 2252040 |
| ctcgtcatgt | aattttggac  | gtccgcgttt  | tcctgtccta  | ttttctaagg | tgggataaaa  | 2252100 |
| caatacggca | tcattcctga  | aacggcttat  | tacgtggaaa  | ccgttatcgt | acaatggttt  | 2252160 |
| gatgaaagt  | gcctttgaaa  | agaacgcatac | acacacgact  | gtgccagaaa | tacgtttcag  | 2252220 |
| ctgttcctgt | atgctgataa  | ggtaagagct  | gtaccagtca  | acaagattct | tctcacagct  | 2252280 |
| ttccagcgtt | gcgttgctag  | gtgtctgtac  | agagcccaaa  | gtcatacatt | catggttgct  | 2252340 |
| aacgtctata | actccaatac  | cggttatttc  | cagtccacgt  | ttgtattcac | cggcacaacc  | 2252400 |
| ggaccagaaa | tagccaatcc  | acggcgtttt  | gctgcctgat  | tttggaatga | aagacggatc  | 2252460 |

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| aacggctatc | gccttgcgac   | cacctttaag  | gtgttccctg  | atgatggctt  | cattgaagga  | 2252520 |
| aaaccagtca | aagccgtcgt   | tctcaaaatt  | gttgcggtat  | gtctgttccg  | agaaacatcc  | 2252580 |
| ataccgtccc | attttagtagga | aattgatgcg  | gtcaggtata  | gccatgaata  | atttcattgc  | 2252640 |
| atccatgaat | actttctgaa   | aagatttgct  | tatattttaca | gctgattcga  | gagcgtttct  | 2252700 |
| gcactcggat | tggtattgca   | taaggagtga  | ttcttttagtc | ataattaaaa  | gtggtgaagt  | 2252760 |
| acttctaatt | tactaaaaat   | cagtgaatta  | tgaataactt  | tttctgttga  | ttttcagctg  | 2252820 |
| tttagcatat | ctttttcatc   | ccttttctta  | ctccttgacg  | atttattctt  | gacagtattt  | 2252880 |
| caatgatctc | ttgaatataa   | ttttgaaccg  | gattatgccg  | attctatgtt  | taattttaat  | 2252940 |
| ttatcggtaa | aaattttaccg  | aagtattgtt  | taagtataca  | tgactactct  | ggaaatatgg  | 2253000 |
| ctgctcgccg | tcagcctggc   | gatagattgt  | tttacggtct  | cggttacaag  | cggtatcatc  | 2253060 |
| ttacgtcgca | tccaatggcg   | gacattcctg  | aaaatggctt  | ttttcttcg   | cttcttccaa  | 2253120 |
| gcactgatgc | cgctcatcgg   | ctgggtcggg  | gcaagtcggt  | tcagacatct  | catcgaagca  | 2253180 |
| tacgaccact | ggatcgcctt   | tgactgctg   | gctttcttag  | gtatccgcat  | gatacgcgaa  | 2253240 |
| catttcaagg | acagtgaaga   | gtgcagcttc  | gaccctaccc  | aactgaaggt  | gatcctcact  | 2253300 |
| atggcggtgg | caaccagcat   | tgatgcgctg  | gccgtaggca  | tctctttcgc  | ttttacggga  | 2253360 |
| ttcaacgacg | tagaacaatt   | gtttagcccg  | ctgctcatca  | tcggtttcgc  | ctcgtttgtc  | 2253420 |
| ctctcgcttg | ccggcagcct   | gatcggatc   | ttcttcggga  | aacgttttaa  | cctgcgcgtg  | 2253480 |
| gaacttttcg | gcggtctggt   | gctgattggc  | atcggcggtga | aaatccttat  | cgaacatctt  | 2253540 |
| tttctaaatc | aataaatcat   | aaagaattgc  | atctatgaca  | aataaaaacg  | caaaatggca  | 2253600 |
| acttccgttc | ttggcttttc   | tgattatcgg  | aacggtactg  | attcttcgga  | aacaagctcc  | 2253660 |
| ttaccagacg | gatgaagggc   | tggtattcgg  | tacgatgtac  | aaaatcactt  | accagtcgaa  | 2253720 |
| ggaaaacttg | aaaaaagaca   | tcgaagctga  | attacagaaa  | gtggataact  | cgtctctccc  | 2253780 |
| gttcaacaag | cagtcggtca   | ttacgcatat  | caacaacaac  | gaaaacatgc  | agacagacag  | 2253840 |
| tatgtttgcg | tatgtgttcc   | gtctggctaa  | ggccgtatcg  | accgacacgc  | acggtgcctt  | 2253900 |
| tgatatcact | gtgggtccgc   | tggtaaacgc  | atgggggttc  | ggtttcaaga  | atgctacggg  | 2253960 |
| catacagccg | aataccatag   | acagcatccg  | ccagtttgta  | ggctttcata  | aggtagactt  | 2254020 |
| gatagacggt | aaaatcgtaa   | agaaggatcc  | gcgcgtaatg  | ctggattgca  | gcgctatcgc  | 2254080 |
| caaaggggtc | ggagtggact   | gcgtggcacg  | cctgctcgac  | agcaaggggg  | tcaagaacta  | 2254140 |
| tatgatcaac | atcggggggcg  | aactggtcat  | gaaaggtgag  | aaccagaaca  | tggaaagctg  | 2254200 |
| gcgcatcggc | atcaacaagc   | cgatagatga  | ctcacttttc  | gtaaatcagg  | aattgcagac  | 2254260 |
| ggttctcgaa | attacgaacg   | taggacttgc  | cacttcgggc  | aattaccgta  | atttctacta  | 2254320 |
| caaggacggc | aagaaatatg   | cgcataccat  | cgaccgcgt   | acaggctatc  | cgggtgcagca | 2254380 |
| caacattctt | tcgtctaccg   | tcgtagccaa  | ggactgcgt   | accgccgatg  | cctatgccac  | 2254440 |
| ttcgtttatg | gtgtgggac    | ttgattcagc  | caaggctatc  | tgcaacgcgc  | atccggaact  | 2254500 |
| cgatgcttac | ttcatctacg   | aacgtccgga  | cggtaaagatg | gatattttact | ttaccgatgg  | 2254560 |
| catgaagaaa | tatttaagaa   | actaaatact  | tgaaaaacca  | tgaagagagac | aaacgaaaaa  | 2254620 |
| ccgacgggat | tgcccgaata   | tgcattccgt  | ccactcaagc  | cgggagagca  | gtatcagccg  | 2254680 |
| ctgatgtcgc | ccgacaaaaa   | ctatccggag  | gtgaacctct  | ggtcgggtgtt | atgggggtatt | 2254740 |
| gccatggcga | tactcttttc   | tgccgcctca  | gcctattttag | gactgaaagt  | cggtcagggtg | 2254800 |
| tttgaagctg | ctattcctat   | cgccatcata  | gccgtagggtg | tttcgagtgc  | cgccaagcgt  | 2254860 |
| aaaagtgcct | tgggcgagaa   | cgatcatcata | cagtctatcg  | gagcctgctc  | gggtgtaatc  | 2254920 |
| gtagccggag | ccatctttac   | cttgcttgc   | ttgtatatcc  | tgcaggacaa  | atatcccga   | 2254980 |
| atgacggtcg | actttttcca   | gatgttcgtc  | agctcattgt  | taggaggtat  | cttgggtatc  | 2255040 |
| ttgttcctta | tcccgttccg   | caaatacttt  | gtcagcgaga  | agcacggaga  | atatccgttc  | 2255100 |
| cctgaagcta | ccgccagcac   | gcaggtactt  | gtttcgggcg  | aaaaaggagg  | cagtcaggcg  | 2255160 |
| aaaccgttgc | tttttgccgg   | actgatagga  | ggtctgtacg  | actttatcgt  | ggctaccttc  | 2255220 |
| ggatggtgga | acgaaaactt   | caccaccgc   | gtctgcggct  | ggggtgaaat  | gattgccgaa  | 2255280 |
| aaagccaagc | tcgtcgtaa    | aatcaatacc  | ggagctgccg  | tgtaggact   | gggttacatc  | 2255340 |

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|-------------|------------|------------|-------------|-------------|------------|---------|
| gtaggtctga  | aatatgctgc | cattatctgc | gccggctcac  | ttgccgtatg  | gctgattatc | 2255400 |
| gtgccgggca  | tctcactcat | ttggggagat | caggtactga  | atgcatggaa  | tcctgccatc | 2255460 |
| accgaaaccg  | tgagcagcat | gtcgcccgaa | gcaatcttct  | ctcagtacgc  | caaaagtatc | 2255520 |
| ggtatcggcg  | gtattgccat | ggcaggatc  | atcggtatcg  | tacgttcctg  | gagcatcatc | 2255580 |
| aagagtgccg  | taagtctggc | tgccaaggaa | atgggtggca  | agaaagcgga  | agccaatgta | 2255640 |
| gtgcgtacgc  | agaaagactt | gtccatgaag | attattgcaa  | tcggttccat  | catcaccatt | 2255700 |
| atactggtag  | ccttgttctt | ctatttcgat | gtgatgcagg  | gtaatctgct  | gcacaccatc | 2255760 |
| gtagccatcg  | tgctggtagc | aggtatctct | ttcctgttta  | ccaccgtagc  | tgccaacgcc | 2255820 |
| atcgccatcg  | taggaaccaa | tccggtatcg | ggcatgacgt  | tgatgacact  | gatcttagcc | 2255880 |
| tctgtcgtga  | tggttgccgt | aggcttgaaa | ggagctaccg  | gtatggttgc  | ttccctcgtc | 2255940 |
| atgggagggtg | tggtttgtac | cgcgctgtct | atggcaggag  | gtttcatcac  | cgacttgaaa | 2256000 |
| atcggttact  | ggctgggtag | cacgcctgcc | aagcagcaga  | cttggaatt   | cttggaaca  | 2256060 |
| ctggtttctg  | ccgctaccgt | aggagggtgc | atcatgattc  | tgaacaagac  | ttacggattc | 2256120 |
| tcatcgggcg  | ctctggctgc | tcctcaggca | aacgccatgg  | ctgccgttat  | cgaccgcgtg | 2256180 |
| atgaacggtg  | tggtctgtcc | gtggctgtct | tatggcatag  | gagctgcact  | ggcactgata | 2256240 |
| ctgacatatt  | tcaaggttcc | ggcactggcc | ttcgcattgg  | gtatgtttat  | tcgctggaa  | 2256300 |
| ctgaacctgc  | cgctcatcgt | aggtggagcc | atcaactggt  | atgtcactac  | ccgcagcaaa | 2256360 |
| gacgaagcgg  | tcaatacggc | acgcggagaa | aagggtacc   | tgcttgcttc  | cggtttcatc | 2256420 |
| gccggtggtg  | ccctgatggg | agtggtcagc | gcagccatgc  | gtttcggcgg  | tatcaatctc | 2256480 |
| gtaaacgaag  | catggctcga | aaatccgctg | agtcagggtg  | tttcgctggt  | agcatatata | 2256540 |
| ttgctgatcg  | tatatctggt | caaagccagc | atgcatatca  | agaaagctta  | aagcagaaaa | 2256600 |
| tactgaatct  | aaactgacag | attccattca | cccacagacc  | tcctgcaccc  | gcggaagtct | 2256660 |
| gtgggtattt  | tgttatctta | aaagaattat | gttatctttg  | aaccgctcaa  | tcgaaaaaca | 2256720 |
| tttcatactg  | aacaaccgac | tttcatcaaa | cattccaaaa  | cctaacgaaa  | cacaccagct | 2256780 |
| tcatcgtacg  | atacagtatg | aataaacagc | cccaaagata  | tgagctacca  | aacgctacat | 2256840 |
| gtccttcata  | gtacgatata | gtatgaatac | aaacggatga  | caaagaaaaa  | ataaaacaga | 2256900 |
| acaacaaaat  | caatacacgt | atgaaaaaac | tattttctcat | gagtctggtc  | tttctttcga | 2256960 |
| ccatgctctc  | cgctcagaat | ccagtagaaa | tcaaattatg  | gcctaacgga  | gctcccaaca | 2257020 |
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| ttaccgatgc  | agctacgcgt | cccgaacttc | agatactgtt  | ctaccctgtc  | gttaccatgg | 2257440 |
| acccgacgta  | taccacatg  | ggctctcacg | ataacttatt  | gggaaaaaat  | ccttcgaagg | 2257500 |
| cactcgaaca  | gaaatattcc | aacgaactgc | aggtcactcc  | gcaaaccctt  | cctgccttta | 2257560 |
| tcatgcacag  | cagcgacgac | ggtgccgtac | ccgtagccaa  | cagcgtgaac  | tactatctgg | 2257620 |
| cactggtcaa  | gaacaaagtt | cccgcctgcc | tacacaccta  | tcctatcggc  | ggccacggat | 2257680 |
| ggggattccg  | cgactcgttt | acctacaaac | gccagtggac  | cggcgaactg  | gaaaaatggc | 2257740 |
| ttcgtgaaat  | aaataacaaa | taataacgac | ttaacctttt  | gtaatacaaa  | taaaaatcgt | 2257800 |
| acctttgcac  | ccgctaatac | gggatattag | cataattcaa  | atcattaaca  | ttaaaaaatt | 2257860 |
| aacgtttaag  | aaatggcaac | taaaatcaga | ttgcagagaa  | acggacgcaa  | gagctatgcg | 2257920 |
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| gaaggtgttt  | acatgaagaa | acacttgctg | ggtggcggtg  | caaaaggtgc  | attcgatgaa | 2258160 |
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| gctaaggctg  | aagctgaagc | tgctgcaaaa | gcagaagctg  | aagaagctgc  | accggctgct  | 2258400 |
| gaagaagctc  | cggctgaagc | ataattcggt | acttcacaaa  | agacattgca  | gaagaggata  | 2258460 |
| tatcacccga  | tatatcctct | tttattttta | taaccggcga  | taggcttctt  | ccagctgttt  | 2258520 |
| caatgcttgt  | tccagcacag | cacgtgtaca | acctacattc  | atgcgcatga  | agccgattcc  | 2258580 |
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| catcggaagg  | atagccttga | tcttcggcat | ctttttcttc  | aggtattcat  | ccagatagtc  | 2258760 |
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| cggcatattg  | aaagccttgc | tgggtgccat | aaacgtaacg  | gaattgttct  | ttgcccgttc  | 2259000 |
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| atccgaaaag  | acaatgacat | tatcctctgc | acagatattg  | gcaatggctt  | ccagttcctc  | 2259120 |
| gtgctgccag  | accactccac | ccggattgtg | aggggtgcac  | aagataaaca  | cacgtatgcc  | 2259180 |
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| cggaggcata  | atcatgatct | tgtcgcccgg | atgagtgaag  | gcattgatcg  | ccatccccag  | 2259360 |
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| tattttttcc  | gcattcgtac | ctctccgggt | tatcggttcg  | tcaaaattat  | aattcatggt  | 2259660 |
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| aaccaatgaa  | tcaataaaaa | cgaataaacg | aaatcccgtc  | ttttacagag  | cgggattttt  | 2259960 |
| tatttttaaaa | caagagcaaa | tgaaaagaat | agcgatacaa  | gggtgtccgg  | gttcatacca  | 2260020 |
| tgacattgca  | gcccacaagt | acttcaagaa | tgaagaaata  | gaactgatct  | gttgcaaacac | 2260080 |
| attcgaagaa  | gtattcgaaa | acatgcgtaa | ggacagcaac  | gtcatcggag  | tcgttgccat  | 2260140 |
| agaaaatacg  | atagccggaa | gcttgcttca | caactacgaa  | ctgctgcgcg  | aaagcggggc  | 2260200 |
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| ggactggaag  | gatctgaaag | aagtcaactc | gcattccggt  | gcactggctc  | agtgcgcgca  | 2260320 |
| gtttctccag  | catcatccgg | agctgaaggt | ggtagaaacg  | gatgatacgg  | ccggcagtcg  | 2260380 |
| caaggatatc  | cacgaaaagc | aactgaaggg | acatgcagcc  | atctgttcca  | aatatgcggc  | 2260440 |
| aggcatgtac  | gacatgaaga | ttcttcagga | aggcatcgaa  | accaacaagc  | acaactttac  | 2260500 |
| ccgcttcctg  | gtgatatgcg | acccgtggat | cgccgacgac  | ctgaaagacc  | gctccaaggt  | 2260560 |
| gaacaaggca  | aacattgttt | tctcccttcc | gcacagtga   | ggaagtctgt  | cgaaagtctt  | 2260620 |
| ttccatcttt  | tcattttaca | acatcaacct | gacaaaaatc  | cagtcattgc  | ccatcatcgg  | 2260680 |
| acgcgaatgg  | gaatacatgt | tctacgtgga | tgtgatgttc  | aatgattacc  | tgagatataa  | 2260740 |
| acaatccatc  | gatgcggtaa | ccccgctcac | caaagcactt  | aaaatattag  | gagaatatgc  | 2260800 |
| agaaggagaa  | tcaacattat | aacatacagc | ctgccgaccg  | actggcaagc  | gtaagcgaat  | 2260860 |
| attattttcag | ccgtaagctg | aaggaagtg  | ctaagatgaa  | cgccgaagga  | aaagatgtca  | 2260920 |
| tcagcttagg  | tatcggaagc | cccgatatgc | cgcttccgga  | agaaaccatc  | aagggtgtgt  | 2260980 |
| gcgaaaatgc  | caaaaagccg | gatgcacacg | gttaccagcc  | tacggtaggt  | attccggaac  | 2261040 |
| tgcgcaaggc  | tatggccgac | tggtacaagc | gctggtacaa  | cgtcgatctc  | gatccggcta  | 2261100 |

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|            |            |            |             |            |             |         |
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| cggaataaca | gccgctcatc | ggttcgaagg | aaggtatcct  | gcacgtcaca | ctggcactgg  | 2261160 |
| tcaatccggg | cgatcaggta | ctagtaccga | atccgggcta  | ccctacgtat | acttccctga  | 2261220 |
| acaagatttt | aggaagcgag | attgtcaact | acaacctgcg  | tgaggacaat | cactggcaac  | 2261280 |
| ccgatttcga | tgaactggaa | aagatggatc | tgagccgtgt  | aaaaatcatg | tggaccaatt  | 2261340 |
| atcccaacat | gccgacaggt | gccaacgcta | ccatggaact  | gtacgaaaag | ctggctgact  | 2261400 |
| ttgcacgccg | ccataacatt | gtcatcgtaa | acgataaccc  | gtacagcttc | attctgaacc  | 2261460 |
| gcaagcccat | cagcatcctc | aacgtgccgg | gagccaaaga  | atgctgcatc | gagttcaatt  | 2261520 |
| ccatgagcaa | gagccacaac | atgccgggct | ggcgtgtagg  | tatgcttgcc | accaatgcta  | 2261580 |
| cgttcgtaca | gtggatcctg | aagataaaga | gcaacatcga  | ctcaggaacg | ttccgccccca | 2261640 |
| tgcagttggc | tgccgctcag | gcttatcgta | acagtgcgga  | gtggcacgaa | gaagcaaact  | 2261700 |
| tcaatgtata | tagccgccgc | cgtaaactgg | ctgaagaaat  | catgacgacc | ttgggatgta  | 2261760 |
| cattcgatcc | cgatcagggt | ggtatgttct | tgtggggaaa  | aatccccgac | tcgtatgccg  | 2261820 |
| atgtggaaga | cctcaccgaa | aaggtgctgc | acgaagcacg  | agtattcatc | acgccgggat  | 2261880 |
| tcatcttcgg | cagcaacgga | aagcggta   | tccgcatctc  | gctctgcgcc | aaggaagaga  | 2261940 |
| agctggcaga | agccctgaaa | cgtatcaaag | caatattcta  | aagaataata | aactaaaata  | 2262000 |
| aagatattat | atggaactga | atttacaacc | tatcgaactg  | gaaggtgttt | caaaggaacg  | 2262060 |
| ccctcttatc | atagcaggtc | cctgtagtgc | tgaacagag   | gaacaggtaa | tgacaactgc  | 2262120 |
| tacccaactt | gctaacaagg | gtatcaagat | tttccgtgcc  | ggaatatgga | aaccacgtac  | 2262180 |
| caaaccggga | ggtttcgaag | gtatcggcgt | agacggactg  | gcatggctga | aacgcgtgaa  | 2262240 |
| acaggaaacg | ggtatgtatg | tcgctaccga | agtggctaca  | gccaagcatg | tatacgaatg  | 2262300 |
| tctgaaagcg | ggtatcgata | ttctgtggat | aggtgcccg   | accactgcca | acccgtttgc  | 2262360 |
| cgttcaggaa | atcgccgacg | cgctgaaagg | tgtagatgtt  | ccggtatacg | taaagaaccc  | 2262420 |
| ggtcaacccc | gacctggaat | tgtggatcgg | tgcgctggaa  | cgtatcaaca | atgcgggact  | 2262480 |
| gaaacgtctg | ggagccatcc | accgcgggtt | ctcttcgtac  | gacaaaaaaa | tctaccgtaa  | 2262540 |
| cctgccgcag | tggcatattc | ctatcgaact | gcgccgtcgt  | attccgaacc | tgccatcttt  | 2262600 |
| gtgcgacccg | agccatatcg | gcggtaagcg | tgaactgatt  | gcaccgcttt | gccagcaggc  | 2262660 |
| gatggacttg | ggcatggacg | gactgattgt | ggaatctcac  | tgcaatccgg | actgtgcatg  | 2262720 |
| gagtgatgca | gcacagcagg | ttactcccga | tgtactcgat  | tacatcctca | acctgctggt  | 2262780 |
| catccgtaag | gaacaccagt | cgactgaaag | cctgcacgag  | cttcgtcaac | agatcgatac  | 2262840 |
| atgcgacaac | gagctgatgg | aaattcttgc | caaacgtatg  | cgtatctgcc | gcgagatcgg  | 2262900 |
| tacgttcaag | aaagaacata | acatgacgg  | tcttcagacc  | ggacgttaca | acgagattct  | 2262960 |
| cgacaagcgc | ggtgcacagg | gttctctctg | cggcatggat  | gccgacttca | tcaaacaagt  | 2263020 |
| gttcgaagct | atccacgaag | agagcgtacg | ccagcaactg  | gaaattatca | acaaataatt  | 2263080 |
| aagaactaac | agagaagaat | cagaaaccca | acactttctc  | caacgacagt | aatgagtttc  | 2263140 |
| tgattcttct | ttatacacta | tctttcattc | tacaaactat  | gagaatatta | attatgggag  | 2263200 |
| ccggaaaaat | gggtcgttcc | tttaccgacg | tattgagctt  | cgagcacgaa | gttgcggtat  | 2263260 |
| acgatgtcga | tcccaaactg | ctgcgcttta | tgtacaactg  | cctccgggtc | accgaactca  | 2263320 |
| acgaaataga | agccttcaag | cccgaactgg | ttatcaatgc  | agcaactgta | aaatataccc  | 2263380 |
| tcgaagcctt | caatcaggta | cttcctctca | tcccaaaaaga | ctgtatcatc | agcgatattg  | 2263440 |
| cttctgtcaa | gaccggactg | aaggagtgtt | acgagcaaag  | tggtttccgc | tatgtatcta  | 2263500 |
| ctcaccat   | gtttggtcct | acctttgcca | acctcgacca  | gttgagtacg | gaaaatgcca  | 2263560 |
| tcatcatcaa | ggaaggcgac | catctgggca | agattttctt  | caaggatctg | tatcagcgac  | 2263620 |
| tgggactgaa | catttttgaa | tatacatctg | aggagcacga  | tgaaccatg  | gcttactccc  | 2263680 |
| tgtctatccc | gtttgtttcc | acctttgcct | ttgctgcggt  | gatgaagcat | caggatgcgc  | 2263740 |
| cgggtaccac | cttcaagcgt | cacatggcta | tcgccaaagg  | agtgatgagc | gaagacgact  | 2263800 |
| tctgttgca  | ggaaatcctg | ttcaaccgcg | gtactccggc  | acacgtagaa | ggtatccgta  | 2263860 |
| ccgagctgaa | cgagctgctg | gatatcatca | acaagaaaga  | tgctaccaga | atgcgcgctt  | 2263920 |
| acttggaaca | gattcgcgaa | catcttaaat | aaccaacctc  | tttcttatat | cccttatctc  | 2263980 |

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|             |            |             |             |             |            |         |
|-------------|------------|-------------|-------------|-------------|------------|---------|
| tctatgggta  | ccttcattca | atccgtaacc  | aatagagaga  | tttttttgtc  | cgttcctccg | 2264040 |
| cacccgccag  | agtaataagg | gataactttt  | ttttatgaca  | atatctcgga  | cagaagtcgt | 2264100 |
| acctttgctg  | tacgaaaact | aattttaattt | ttcacgacta  | tgtataaatc  | aatcattcgt | 2264160 |
| ccctgggtat  | tccgcatcga | cgcagaaaag  | attcacacacg | aaattatcac  | cctgttgcac | 2264220 |
| gtctatcgtc  | accttcctcc | ggtaaagagc  | ttcatccggt  | cggtttaccg  | tccgaaggca | 2264280 |
| acgcctttcc  | agtggcagaa | cctgacgttc  | ggcaaccgtg  | tgggactctc  | tgcgggtttc | 2264340 |
| gacaaggaag  | caagctgttt | cgacgaactg  | agtgatttgg  | gcttcggctt  | cctcgaagtg | 2264400 |
| ggaacgggta  | ctcccagaaa | ggtcgccgga  | aacccctccc  | ccgcatcttc  | cgtctgcctc | 2264460 |
| aggatcatgc  | cttggtttca | cgtaccggat  | tcaacaatcc  | cggaaaggca  | gtcgtcttgc | 2264520 |
| agaacctgaa  | acggaaacgg | aatgggaaat  | acatcttagg  | agtgaacatc  | aataccaacc | 2264580 |
| atccttcgga  | cgaagcactg | gctgtggcag  | agctgtgcga  | cctgtatgat  | acgttcagcg | 2264640 |
| cgtatgccga  | ttactatacc | ctcaactggg  | gaagcatagc  | tcccagagata | ctgggtgcag | 2264700 |
| cgctcaccgc  | cctgacagac | gacaagcagc  | atgtacgcaa  | gcccatactg  | ctgaaacttc | 2264760 |
| cggcagatgt  | acccctcgaa | aagctggacg  | acatcatcgg  | ctttgcccgt  | cagcaccacg | 2264820 |
| tcggtggctt  | cattgctaca | ggtcccacac  | aagaccgttc  | gctgttcac   | cattccagcc | 2264880 |
| agtcggaaaat | caccgaggta | ggtgccggag  | gtatcagcgg  | actgccggtc  | atccacaagt | 2264940 |
| cgattgaggt  | agtgaacac  | cttgccgccc  | atgctcccaa  | ggagatgctc  | atcgctcgag | 2265000 |
| ccggagggtg  | catgacccc  | ctggaagccc  | acagcatgct  | caatgccggt  | gctcatctgg | 2265060 |
| tgcagggtga  | ttcagctttc | atctacgaag  | ggccgggcat  | cgtaaagcgc  | atagcagaag | 2265120 |
| cgtgcaagta  | aagatttaaa | cgtgcaaaaa  | tagaaagagt  | cgtatcattc  | ctcacgaaac | 2265180 |
| tgagtttgat  | acgactctct | tttattttgc  | agttactata  | ttccgtaact  | tttcggagta | 2265240 |
| actatagggga | atacactcct | taattattaa  | attcacttcc  | ttttaaatat  | ccttatccgg | 2265300 |
| ttattttaaaa | gtttgaattt | taaaaatcta  | catcgcttcc  | cttattaacc  | aaaagctgat | 2265360 |
| acttgatata  | ccctcccgc  | ttagaagaat  | acttagtata  | gatagcggta  | atagaaccct | 2265420 |
| tgctgccatt  | ttccggcaat | ggattcaaag  | caaaattagc  | ataaccgctc  | acacggagaa | 2265480 |
| tcagattacc  | tatcttatct | ttctcatccg  | aagcattata  | cgtaaagagt  | gaagaaccat | 2265540 |
| aataacgctg  | attattatag | ttgtaggcaa  | aagtaggagt  | caatccctct  | ttatcataat | 2265600 |
| atttattcgt  | ataagtagct | tctgtagaat  | tgttcaggta  | tacagtttcc  | agatattgtg | 2265660 |
| gataggtatc  | gccatcaaac | gttccagcct  | tgtaagtcaa  | gccctcaaaa  | cgaatcaggc | 2265720 |
| gtccaagatg  | agcatcactc | agcacagtct  | tgtaattctg  | cggggtaacc  | accagcgtat | 2265780 |
| ccgatgcttc  | cagtttacc  | agctcaccgg  | caaagatatg  | tgcattgctc  | tccatctgag | 2265840 |
| tatcaagggt  | acggttgga  | tagtttttgg  | aaatatcttc  | tgcagtagga  | ataccgccta | 2265900 |
| cacttaacat  | atagcgatag | ttaccaatgg  | caagcccttt  | cagcttcaca  | tacaatgtct | 2265960 |
| gtcctacctg  | atagtacaca | tagttgtcca  | ccatcagttt  | caattcgata  | ccagccgtac | 2266020 |
| catcataaat  | ataaacagac | ttatacacgt  | tgcccgcctg  | atcactcgaa  | atcacctttc | 2266080 |
| ctttaatcac  | atagtcttcg | gttattttcct | tgtaaccagc  | caaaggcaca  | ttggcacaca | 2266140 |
| tgtctttcaa  | ttctttgata | gaaataagct  | gacagccttc  | cgactcaaaa  | tcggcagccg | 2266200 |
| tccaaacctt  | agcaggagcc | ggttcgtcaa  | aatcactgta  | gcaactagta  | acacccatgg | 2266260 |
| aaagtgccac  | catcaaacta | cctattatca  | atatttttat  | cataacaata  | gttctttttc | 2266320 |
| agggttagaa  | acggaaatat | aaattcaagt  | aataattggg  | accaaacata  | tagaagtatt | 2266380 |
| tagaatcgaa  | aggctggtaa | gtaagcgtac  | ttgcctcctt  | gttcttcaac  | agacgaatct | 2266440 |
| gttcataacc  | gccagtctta | atattctgat  | tgttcagcaa  | attatctaca  | ctcagactga | 2266500 |
| atcccaacgt  | ataagaacgg | ttgatgtacc  | agttcttgcc  | aatacttgca  | ttcagtacat | 2266560 |
| aagccgcac   | aaattttctc | tgaccacgaa  | tatcttccag  | cattgcagga  | ttttcaagca | 2266620 |
| tcggcttagt  | cagtacagca | tcggtacgat  | acagcgggct  | catcgacaga  | tacatgttgt | 2266680 |
| tataataatt  | caggtcgagt | gacgcaata   | tattattgcg  | actacgataa  | gacaaaccga | 2266740 |
| tattggcagc  | tgctcgga   | gtactttcta  | ctcgcttggt  | tttcagtaaa  | acctttccct | 2266800 |
| ggttgatgat  | tgccgcacta | ttatcctgaa  | tctgtacata  | attcggatta  | ttcgaataaa | 2266860 |

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| cagccacttc  | cagtccgaaa | tgctgtttgt | tgatgccgct | catagcaaaa  | ttggaataag  | 2266980 |
| tagcttccac  | gtcatcatag | taagaaatca | ccttcgtctg | gtctgtaaaa  | gttgatatagt | 2267040 |
| aaccagaaac  | acgtgccttg | aaatctccca | tgcggaaatt | ataagaagca  | tccactccaa  | 2267100 |
| agattttctc  | tgcttttact | ccgggggtaa | catcattacg | tgtacgagga  | gaaacaaaag  | 2267160 |
| ccgactggaa  | cgaaggtgcg | tcttgcatgt | acacaatgtt | agcttcaaaa  | ttatgagcag  | 2267220 |
| aagaaaagtac | ataacggaaa | ttagccttaa | ccttgtaagt | caggtaatcc  | agcaaatacag | 2267280 |
| aatctccctt  | ggaattctca | tagaacaatc | ccttacgcc  | gataccgtga  | cgccatagag  | 2267340 |
| cagcatatcc  | cagttcggca | ccaagtccta | tctgcaggtt | attcagagag  | aaatcatatt  | 2267400 |
| gcagccatcc  | acgaccattg | aacacatttg | cataataatc | gtagctatat  | ttatcgccca  | 2267460 |
| cacgtgcgat  | aggagctctt | ccgtactgct | cataataatc | catgtttgtt  | tggtatgaaa  | 2267520 |
| tgatatcgat  | accagatcg  | cgttcagcaa | acttgctgat | atcaaccag   | taatcaccac  | 2267580 |
| ccagcaagtc  | tttaacctcg | ctgtaataat | ctgtacggtt | acggcgta    | ttgatacctc  | 2267640 |
| cattcagttt  | cgaactgttc | ttgaaaagat | gagagaactg | agtatagaag  | ttccagtcga  | 2267700 |
| gctggtctgt  | atgacgtcc  | tctatcatgt | tgatagaacg | atgaccgtct  | ccgtatgctt  | 2267760 |
| cattgaccgg  | ctggttacgg | tttatcatgt | acaagttgtc | ccagttaatg  | taacggatat  | 2267820 |
| tgtctgtatt  | tgccatccat | gcttcctgca | accaagctcc | agtagaagtg  | ttaggatagt  | 2267880 |
| agcttggcaa  | atagcggtaa | tagtcaggac | gaggatccgg | tccaccatac  | catgtcaatg  | 2267940 |
| cagaataacc  | attctgacca | aagcgaagtg | atgttgccac | gttcagctga  | gtacgggtctg | 2268000 |
| taatgtcgaa  | tgtatagtta | agcatagcca | gaggttcgtg | gtaatcacgc  | acacgtgcat  | 2268060 |
| tacggcgttt  | gccgttctgc | cagccccagt | ttggattata | gtaattgttt  | cccaccaa    | 2268120 |
| cgtatgcctc  | ctgtgtagaa | gcctgctgtg | caccacgttc | tgtaggagca  | cccaagactg  | 2268180 |
| tcagagacaa  | gcgatgctgc | ggattaaact | gcttttctac | ggcagcaaaa  | taaccataag  | 2268240 |
| cattgtaata  | tacaccattt | acatatgcat | tgtttccctg | acgggtagat  | acagaaaatg  | 2268300 |
| catacgacca  | tccattatcc | tgcacaccag | aagaataagt | aagcatacca  | cggaagcggt  | 2268360 |
| acattgagtt  | tgtgctaacc | aagctggctc | tcaaccctt  | acgcatttgt  | gaaggacgag  | 2268420 |
| tgttgatatt  | agttactcca | ccaataccac | caattcccat | ctctccatt   | tccagtccgg  | 2268480 |
| tagttacttc  | ctgattgcgt | gttgcatcat | tcaatccact | ccagagcgac  | catggtgtat  | 2268540 |
| aaccgggtcat | tgcacgttc  | aactgaatgc | cgttcatgta | tacatccgag  | aactgagagt  | 2268600 |
| cataatccacg | tacgttgaaa | cgcatttcac | tgaattgata | agaagcgata  | ttattgaaaa  | 2268660 |
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| caaactctgc  | aaatatcgca | tcatccagta | caggctgacg | attggcagga  | accatgataa  | 2268780 |
| cacgcatttc  | acgcattgtc | tttccgacac | gtaccggtaa | agttaaatct  | tcaaactctg  | 2268840 |
| cagtttcaaa  | acgcagttca | tactcaccgg | gagccacatt | ctcgaagaag  | aattcacctt  | 2268900 |
| tgatcatcagt | cgacgcagta | cggtcgctg  | gaacgagtgt | aatcttcacg  | ttatcaattt  | 2268960 |
| ttgcacgtgt  | agtacgcgat | atgaccgtac | ccttaatgcc | tcctcccgtc  | tgggcaaatc  | 2269020 |
| ccgtaacggc  | aagcagcgac | atcagtaaaa | acaataatgt | cctgaatttc  | ataaaaattgt | 2269080 |
| aattattttga | ttacttacct | atataaatat | acaccggaaa | atgggtcactg | aaacctccct  | 2269140 |
| gaaagttatt  | acctacaaaa | gtacgcaacg | gatatccctt | atattgtcct  | tccttctgta  | 2269200 |
| ccatgtagtg  | acgtctgaag | atgttaccgt | aaaatttcga | tttttccgat  | ttctgaatct  | 2269260 |
| gcaactttcc  | tttctcgta  | tccagcaagt | ttccacttac | tacgatattg  | tcgaaaatat  | 2269320 |
| tccacgcac   | gccatagcc  | agtgttccat | atccagcctt | cagcaaggca  | gcatacgggtg | 2269380 |
| cataatagtc  | ggcaggctga | acctccttta | cctttatctt | agctcccata  | ccttcggctc  | 2269440 |
| cggaacgct   | ttcgtctatt | gggtcatcat | taaagtcacc | catcatcacc  | actttcgtag  | 2269500 |
| ctggacgcaa  | ggcacggaca | gaatctgcaa | tttggcgcat | ctgccgtccc  | actgccacac  | 2269560 |
| gcttgaattc  | ggaagcctct | tttccctcca | gtcgtgaagg | ccagtgtgcc  | accataaaca  | 2269620 |
| ggaaatcttc  | tccttctatc | tttccccaca | tcgttacaat | gtcacgtgtc  | ttgaagtcgg  | 2269680 |
| gcaatgaagg  | aattaccgta | cgaatagcct | tcgaaccttc | cagcttcaac  | acatccggac  | 2269740 |



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|             |             |            |             |             |             |         |
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| aattggctgg  | tgccaacttt  | tgagtagcaa | caatatcctc  | cagtacatta  | cggttttcta  | 2269860 |
| cctcacatac  | acctataact  | gccggataat | ccttggtgat  | agctgctatg  | tcaaaaaaga  | 2269920 |
| ctttttctat  | attatgcaac  | tttttatcat | acttatcctg  | agtccacttc  | ttaggtccgt  | 2269980 |
| caggagtaaa  | ctcatcatcg  | agaacatccg | gatcattttg  | tgtatcgaaa  | aagtttctcaa | 2270040 |
| gattgtaaaa  | cactactttg  | tagggctttt | tctgtgcgta  | tcccgcacaca | gacaatgcaa  | 2270100 |
| cgagcaatac  | ccaagcatt   | aatattcggt | tcatacttat  | agaaattagt  | taagattcca  | 2270160 |
| ttcaatggca  | ttgaaatcgt  | ttttcacttc | ctgcgggtata | cccgggaaga  | aagtaaattcc | 2270220 |
| ggtaagttgt  | tctatttcgg  | aaactttttt | acatatagct  | ttcgatggct  | gtgatttctga | 2270280 |
| ataagcttta  | ttctccagcc  | aaaagccgat | agtctgcaac  | tgagaagcat  | cacactgatt  | 2270340 |
| cacccatttg  | ccagaaactc  | ccgattttgg | tcgtaaaaaga | accttgaaat  | aatgagtcgg  | 2270400 |
| cacatctacc  | tttactccat  | tattatcggt | agcctgtttg  | gaagcattcc  | cataataagc  | 2270460 |
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| attcatccag  | atagactgat  | ttaaccctt  | tcctgtctga  | ggagtctgat  | ttgaaaaata  | 2270580 |
| gaaggctctg  | gcattcatct  | cacgagtc   | tgtccggtcg  | gccgacggaa  | tctgatgtcc  | 2270640 |
| gcgatcgtaa  | gcaggatatt  | ccttatatgc | cctagctaca  | aatatctgat  | attcttctgc  | 2270700 |
| aatatccgga  | tcgtatatcc  | actcatcggt | tctatctaag  | ccaccaatat  | agcagctatg  | 2270760 |
| aagcggatag  | gcaacccaaa  | gtgcaccttt | gtgtgattta  | tcatagcaca  | tagaataatt  | 2270820 |
| acgaacttct  | tttccgttca  | aattaacata | atgggttaca  | tactggaaat  | tagtaccttc  | 2270880 |
| tttatatgcg  | ggaatctctg  | cccacgatgt | agaaaattca  | ggactattta  | cctgtccttt  | 2270940 |
| ttgtgaaagc  | gtaagaactg  | tctgctttcc | tccagcaaaa  | ctgactgtga  | cagtagcctg  | 2271000 |
| acgctgtgca  | tcattgat    | tgtccgaata | atagacatat  | aatacattca  | taccctccac  | 2271060 |
| caatgtacct  | tccttggtag  | caatctttga | tgaaagagaa  | aaagaacacc  | attctgatcc  | 2271120 |
| ttccgtaatt  | tcagcctgcc  | actgagttcc | tgctgtacct  | tccatccgga  | tagcagcatt  | 2271180 |
| acctttctga  | gcagctacag  | atgaagaatt | gttccaataa  | gccgttccgg  | aaggagcaat  | 2271240 |
| ctctgcaccc  | tcatcacttc  | cgcacgcca  | caatgtaagc  | gagagaaatg  | ctattaaaaa  | 2271300 |
| ataacggaac  | atagttgttt  | gtttatttct | atccactatt  | atcatatgta  | ttgtagagga  | 2271360 |
| cacagaggga  | cacagagttt  | ttctccgtgt | ccctacgtat  | gctcaaaagt  | tatatcgttc  | 2271420 |
| aactacaagg  | atttcaatta  | atataattga | ataccacaca  | taaatgcacg  | attacctgtg  | 2271480 |
| cttgaaccac  | tacctgtaaa  | atctgcactt | gtagagattg  | taatcgtaga  | ggttgctgtc  | 2271540 |
| aagcctgtaa  | gttggagtgt  | ataataatcc | gaatcctcaa  | aattttacagt | aaaaggagga  | 2271600 |
| ttcccagtga  | taccagtctt  | tgcaggaaca | gctacactgc  | tcgcaccgtt  | tacagctccg  | 2271660 |
| ccaccattta  | ctttaatata  | taaagtagct | ccaccgtat   | acgctccggc  | atagaatgag  | 2271720 |
| aactttttgt  | cacctgaaac  | tccaatagct | ccagaagtaa  | atacaccagc  | ttttgaaactg | 2271780 |
| gttccaaatt  | ttataacctga | aatttcacat | gaagatccgt  | tgataaatgc  | tcctccctca  | 2271840 |
| tacatatata  | ctttatcagt  | accattttca | aacaaaaatg  | catccattga  | agtaaatgta  | 2271900 |
| ccctttgtat  | cactacctgt  | tccctgagca | gccactgtta  | ccggtacttc  | tacagaagaa  | 2271960 |
| gaagtcccat  | ccaatgtaat  | cttcaaagtc | tgagatacag  | attcagccga  | tgcattagcc  | 2272020 |
| tgtgctttca  | ctgttacgac  | atttccgctt | acggtagccg  | acaagatacc  | agacaaacca  | 2272080 |
| gaagtgtctca | aagtcttacc  | ttcgccattg | gctacggtta  | cagtaatatc  | tttagtaccg  | 2272140 |
| ccttctgcag  | caaaactaac  | tttttcagga | ttaacgcctg  | taatgacagg  | ttctgaagaa  | 2272200 |
| gagaacgcct  | ttacatcatt  | caagttacgt | ggagcaatct  | gtgcagcact  | tctgtacata  | 2272260 |
| gtagccacac  | cagtcaaact  | gccggttgct | tttgtataag  | tctgacctgc  | aaatacagag  | 2272320 |
| ccagcctgac  | aatatactgt  | tatgttggtt | ccatcagcag  | taaacgtatg  | agtatcatac  | 2272380 |
| ttgtcggcag  | tacaccaagt  | tcctgaaccg | tctgaagaaa  | cattcttaat  | agtaacagtc  | 2272440 |
| atagcctgat  | aggcagccag  | tttatcggca | gtaatgacaa  | tcggagtaac  | gtttgccggt  | 2272500 |
| ccaatcttct  | ctactttaca  | ccaagtttca | tccttagaac  | cggtaacttc  | atacagtcgc  | 2272560 |
| ctataattct  | gaaccttagc  | agcacctttc | attaatgtaa  | ctttcacttt  | atcacccatc  | 2272620 |

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|             |             |            |             |            |             |         |
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| ctttagcac   | cctctactgc  | aacctgcaag | ttgttggttg  | tatagtttcc | actttccacg  | 2272740 |
| tcagcctgta  | ctacagcttc  | gaagaaacgg | tctgcattgg  | catcaatcac | tgcacctgta  | 2272800 |
| ctcatcggtt  | caggcatcaa  | ggctatcaat | tcaggaattg  | taatggcagt | agcctcacc   | 2272860 |
| ggttcaacca  | cagaaccacc  | ttcaaggctg | acttcctgac  | caccgtttcc | tgtagccagt  | 2272920 |
| gtgatatcat  | ccagacgata  | tacagaagat | tcgtttgctg  | taaagcggat | atacagttca  | 2272980 |
| gaagcagcct  | tcttcagtgt  | aaagtggca  | gtagcaaaaa  | tccagtacgg | agtttcagta  | 2273040 |
| tctccgttgt  | tcttttcgta  | agcaatttca | gtccatgcag  | taccattggc | actcacttca  | 2273100 |
| actttgaact  | tgcttgatc   | gaatgtattg | tcattgctgac | catcatctcc | catgcttgag  | 2273160 |
| cggcttccac  | cgaaagtcaa  | cttcaagtta | gtctgtcctt  | cagccaaagc | gattttctgg  | 2273220 |
| atatcgaaag  | tagcagggtgc | accaccaaag | aataccacgt  | tcggacctga | agctccttcg  | 2273280 |
| taagcatccg  | tattggcaag  | accagacgaa | cgtacagtcg  | tattattgcc | ggcataagtt  | 2273340 |
| acatttgacg  | caccatcacc  | cgtcttggtc | catcccgtat  | aacctgaaac | agatggttta  | 2273400 |
| ccagaagcat  | ccgcattacc  | aactgtttcg | ctataaagaa  | ctttggattc | aactaccaca  | 2273460 |
| ccactcttca  | ctgtcacggt  | agcagttttc | aacggaccag  | actggttacc | gatagtata   | 2273520 |
| ttgatcttag  | cctcacggtt  | tgttccttca | ggtacactta  | cctgaacggt | agcagatccc  | 2273580 |
| tcaccagaag  | tctttgaaag  | agtaacccaa | ttagcgttat  | cttccacagt | agcattccat  | 2273640 |
| ggacggtttg  | tagaaatata  | aaacgattga | gtaccgccat  | tctcaaagt  | caatgtagta  | 2273700 |
| ggatcaactt  | ccagataagg  | agcttctgta | tcgtcattat  | cgtccacaca | ggcagtaaac  | 2273760 |
| gagacagtta  | gcacatgag   | cagcagccca | tacaaaaaac  | ttaaagactt | taattttgcc  | 2273820 |
| attttgtttt  | tcattaaaag  | ttaatatgca | ttttcactag  | tcaaattatt | attctaacat  | 2273880 |
| ctaaaaagta  | tacagcaaac  | aaaattaatc | cagcatatcc  | ttttacacca | atcaactgct  | 2273940 |
| tgcttaccct  | taaaggggaa  | acaaatataa | taaaaataat  | taaaaatcag | gttcttaatt  | 2274000 |
| caaaaaatat  | taccacatta  | acgtcgttat | gttaacgaca  | tttattttat | caataaataa  | 2274060 |
| tattatatag  | tatgacatcc  | ataaagaaaa | aaaacagcgt  | caaaccatat | aaacaatact  | 2274120 |
| tcggtaaatt  | tttaccgata  | aattaaaatt | aaacatagaa  | tcggcataat | ccggttcaaa  | 2274180 |
| attatatcca  | agagatcatt  | gaaatactgt | caagaataaa  | tcgtcaagga | gtaagaaaag  | 2274240 |
| ggatgaaaaa  | gatatgctaa  | acagctgaaa | atcaacagaa  | aaagtatttc | ataattcact  | 2274300 |
| gatttttagt  | aaattagaag  | tacttcacca | cttttaatta  | tgactaaaga | atcactcctt  | 2274360 |
| atgcaatacc  | aatccgagtg  | cagaaacgct | ctcgaatcag  | ctgtaaatat | aagcaaattc  | 2274420 |
| tttcagaaaag | tattcatgga  | tgcaatgaaa | ttattcatgg  | ctatacctga | ccgcatcaat  | 2274480 |
| ttcctacaaa  | tgggacggta  | tggatgtttc | tcggaacaga  | cataccgcaa | caattttgag  | 2274540 |
| aacgacggct  | ttgactgggt  | ttccttcaat | gaagccatca  | tcagggaaca | ccttaaagggt | 2274600 |
| ggtcgcaagg  | cgatagccgt  | tgatccgtct | ttcattccaa  | aatcaggcag | caaaacgccg  | 2274660 |
| tggattggct  | atttctggtc  | cggttgtgcc | ggtgaatata  | aacgtggact | ggaaataacc  | 2274720 |
| ggtattggag  | ttatagacgt  | tgacaacat  | gaatgtatga  | ctttgggctc | tgtacagaca  | 2274780 |
| cctgacaacg  | caacgctgga  | aagctgtgag | agaatcttg   | ttgactggta | cagctcttac  | 2274840 |
| cttatcagca  | tacaggaaca  | gctgaaacgt | atttctggca  | cagtcgtgtg | tgatgcgttc  | 2274900 |
| ttttcaaagg  | caactttcat  | caaaccattg | tacgataacg  | gtttccacgt | aataagccgt  | 2274960 |
| ttcaggaatg  | atgccgtatt  | gttttatccc | accttagaaa  | ataggacagg | aaaacgcgga  | 2275020 |
| cgtccaaaat  | tacatgacga  | gaaaattgac | tttgaaaatc  | tggacatcac | aagatgtacc  | 2275080 |
| gagtacaaag  | tgaacaaggg  | taaactttac | ggactgaaag  | catactccaa | agcactcaaa  | 2275140 |
| cgttttgatg  | gcctggctgt  | atggtacccc | atggatggaa  | gaacggacaa | atggcagctg  | 2275200 |
| tatttctcta  | caaacgaaat  | acagaacgca | caggatgtcc  | tggactttta | cagaacacgt  | 2275260 |
| ttccaactcg  | aattctgctt  | tcgggatgcc | aagcaacatg  | ccggaatagc | aaactgtcag  | 2275320 |
| tctacagact  | tcaggaaact  | ggcattccac | tttaatgcat  | cacttgcagc | gataaacctc  | 2275380 |
| gccaaaggctg | cctgtaagaa  | gatgggaata | aaatattcca  | tatcatcatg | caagtcagtc  | 2275440 |
| atacacaatg  | cttacatgct  | tgaacgattt | atttgcgtgt  | ctgggattga | accaaacacg  | 2275500 |

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|------------|-------------|-------------|-------------|-------------|-------------|---------|
| caattaattg | acaaactttt  | caaagaactc  | attttattta  | ctgccagagc  | cgcttaggct  | 2275560 |
| gggctaattt | ttaacgaact  | attgcatata  | aataaataac  | actattttcta | aaaagcagag  | 2275620 |
| tataacgtta | taaattatca  | ggtcagatta  | aaattaatca  | atatgaaata  | tcaccaacca  | 2275680 |
| aattatgatt | tatatcactt  | tctcaaaatc  | tcataaccgc  | gcaatccata  | aacgacgtat  | 2275740 |
| gatagacttt | ctttgtccca  | ccagacaatc  | tttcctgaca  | aaaatccata  | attttacggt  | 2275800 |
| cagtcccaat | cagtattctc  | atcttttttt  | aataaaaaac  | actaccgtcg  | gcaaatgata  | 2275860 |
| gctatatccg | ttcatccatc  | tgccctctgc  | ctgtgttctt  | aaagggtaac  | ctttatatatt | 2275920 |
| accatccgct | tgtataagaa  | aatcgcgctc  | aaagattttca | tgattcaaat  | aactcaactt  | 2275980 |
| tttatgtcgc | ttattcaaaa  | aattacctgt  | aaaaacaatc  | tggtcgaaca  | aattccattt  | 2276040 |
| gcctctatat | tttaatgttc  | cttcaccttc  | agctaattgta | ttccaccaag  | gattatacaa  | 2276100 |
| atcacctttc | tttacattct  | tcatgtttacg | ttttgcccc   | aaggcctctg  | ccatactctt  | 2276160 |
| atccatagga | tcacgtttca  | tatcgcccat  | gattacaatt  | ttgatttttcg | agtccagacg  | 2276220 |
| ctgcagtga  | tccttcagcg  | cacgtacttg  | catgccagca  | cgttcgcgag  | cagaggatgc  | 2276280 |
| tgtccacgt  | gacggccaat  | ggttttacaat | aaaagctaca  | cgttcgccag  | ccaatctacc  | 2276340 |
| atctgctatt | agaaaacctc  | gtgtaggacg  | atctgtaggc  | tgggccaata  | cataaggaac  | 2276400 |
| cagtttggtg | gctgtcacgg  | tgtacagctt  | tggattataa  | aagaaagcac  | aatctacccc  | 2276460 |
| acgttcatca | ggcccttcat  | aatgaataat  | ctcatacccc  | cgattggcca  | gtgcaggctg  | 2276520 |
| ctttaacaaa | tcttccaata  | catggcggtt  | ttcgacttct  | gccataccta  | ttacagcggc  | 2276580 |
| cccttcagaa | gtcttgcag   | tagccagtaa  | accaagtact  | gtcgacatat  | ttttcagttt  | 2276640 |
| cgactgatat | tttgtattat  | cccatttggt  | tcttccttcg  | ggtaaatact  | cataatcttt  | 2276700 |
| cttaccctca | tcgtgtattg  | tatcgaacaa  | attttcaagg  | ttataaaagg  | caactccgta  | 2276760 |
| aatattacca | ttctgtctct  | gagcgtaac   | agtaatagcc  | agacacaccc  | agaaaaacgt  | 2276820 |
| aaacaaaat  | ttcttcatat  | caaacattac  | ttctacagat  | aacagaggga  | ctgaacgtga  | 2276880 |
| acaatcacat | ccaatcccc   | tctattatta  | aaaacaaatc  | tatcactatc  | agagttttac  | 2276940 |
| aggatctcct | gctatctcaa  | actgtcctcc  | accagactc   | ttataacgga  | attcatacga  | 2277000 |
| ataactgggt | ccatcgtaaa  | ccactgcttg  | cattttataa  | tacaaatcta  | ctccgttcat  | 2277060 |
| ctgcgtagga | gcatccggat  | aattatgaga  | agaaccaat   | ccgcacgcaa  | cctgaatctg  | 2277120 |
| tttcatcaga | tacgttctg   | ctttctgttc  | atcttctttg  | tccaccaatc  | cttctggatc  | 2277180 |
| atttccggta | cgttttataca | tctgtatatt  | aaaattctta  | taatgagaag  | atgcgccaaa  | 2277240 |
| ccaccactct | cctgtatctg  | gataatcttt  | atccaaataa  | gcgggtttgt  | tttctgcaac  | 2277300 |
| ccactttaca | agatactgat  | aatcgtcaac  | agtcatcgaa  | acagtgatag  | taggatcgaa  | 2277360 |
| caaccatttt | tcaccattat  | gcaaaaacgt  | ttctttttca  | tgacggacaa  | tattattggt  | 2277420 |
| cagtttccaa | gtagtatcca  | acagatatcc  | atctgccata  | gcaacagttg  | ttttgccatc  | 2277480 |
| ataatattta | tataacacaa  | cttgtgtatc  | tccctccttc  | gcataaggta  | atctctgagc  | 2277540 |
| cagaaatata | ggtaaatagt  | cggttgcctt  | gatagaagaa  | gagaaattat  | cattctttcc  | 2277600 |
| cggatcaccc | attgcatcat  | aatcggcagg  | agttaccact  | acaacatcgt  | taccgatata  | 2277660 |
| agctccccac | ttaccgcttg  | tgaactggaa  | caatgtatta  | taaggcttcg  | attgtgaagg  | 2277720 |
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| tccccgatac | ccgaaggcaa  | tataaatatt  | tttccatta   | taggacttca  | gtgaatagggt | 2277840 |
| cccaacattt | gttttatcag  | tatatccgct  | ttccattgga  | gtaggataag  | caaaataatc  | 2277900 |
| agtaatatca | gtccatgcag  | atacatcaaa  | tgctcctccc  | gcatttatatt | tatcagaaat  | 2277960 |
| caatacgtcg | aaagcatctc  | cgttataatg  | accgaatact  | atatcaaaaag | tcaataaagc  | 2278020 |
| atctgccgat | tctattttta  | ccggtttcgt  | tatcaagtaa  | ttttccactt  | ctccagcagc  | 2278080 |
| cttgtaagca | gacagttcag  | ccgatccatc  | gcccttatat  | acatttgccg  | accatttttc  | 2278140 |
| tgttcctttt | acacagacct  | gtgtccattc  | tgcaattttca | ataggctgct  | tagcagtgca  | 2278200 |
| cgaattgaaa | ttctcattta  | aataatcaat  | tccttccacc  | ggatcattca  | agtcatacat  | 2278260 |
| ataatccgcc | agacaaaaat  | caccctcctt  | ggcaccttcc  | atacgggcag  | ctaatacttt  | 2278320 |
| aggaattttc | acattgggag  | catgagaagg  | agataaaaaa  | ttatttctcc  | atatagtttt  | 2278380 |

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| gtaatcatct  | ccatttaagg | tataggcaga | cacaacagaa | tattttttca  | atgtttctga | 2278440 |
| aacatcttcc  | tgataattat | atgtaacccc | tacagtagaa | ccttttcccc  | aagatccata | 2278500 |
| cagattagcc  | aatatagcag | gaacatactt | atctgccgaa | gcaaaagaat  | tcagagccaa | 2278560 |
| atctgaagct  | actcgtttcg | ccaatgactt | ttcttcatca | gtctgtgcgt  | cagcttctgc | 2278620 |
| cgctttggct  | atagattcat | aatcagcctt | taccaagaca | tattcttctt  | cagttttcgt | 2278680 |
| gatggtaata  | ccttccgaat | caatttcatt | gtaaatactt | tccatcggat  | tacatgcaac | 2278740 |
| cagtaagcca  | ccaaagaaa  | acaatgctat | taaattatat | ttcaatttca  | tacctaaatc | 2278800 |
| atgttttaag  | ttaaccatca | gaacattacc | ttaaatccgg | tagaccaagt  | tctgccgaag | 2278860 |
| ccataaaaata | ccaaagctga | atcccagtta | tgagttgcac | catctgtagc  | atcagccaca | 2278920 |
| taacaagtat  | ttgtcaaatt | gtagacattg | ctataaatca | cagccttcaa  | gcccttgcac | 2278980 |
| aaatcaaagc  | gataactaag | tcctaagtca | atggtataaa | aattaggcat  | tttccaagaa | 2279040 |
| tcaatgccgg  | catccgattt | actggtacgg | tttgacggat | cgaaatcagc  | atagttctta | 2279100 |
| cctgcaaaaat | tatagtcagc | attcagtttc | aatcctttta | acacctcca   | tgaagcagac | 2279160 |
| agtgcagcag  | taagctgtgc | tgagttgccc | acatgtacat | cctttacata  | agcatcgtat | 2279220 |
| gtaccgattg  | gcttgcttga | ctcatcgtaa | atagtaaaat | gcacatcatc  | cgcccatttc | 2279280 |
| cagtcaccta  | aggagaacat | acctttcaat | tcgaatgtct | tgacaggctt  | gtaagttgct | 2279340 |
| tccagttcta  | ctcccatgtg | aatggcatcc | agacctgtaa | tattggcata  | ttcctgtcca | 2279400 |
| actctttctac | gagtcgattt | atccatccat | ctggtataat | atccggttcag | tgcgacattg | 2279460 |
| aaatatcat   | tggtgaacct | atctccta   | tcgaacgtaa | caattttctc  | gtaaggagca | 2279520 |
| tctgcattgg  | cagaaacgtt | attgttcggg | aatacagaat | taaagaatgg  | agcacgggtg | 2279580 |
| aagtatcctc  | cattgacaaa | aacgttatgg | tttcgattaa | acttataatt  | atctcctgcc | 2279640 |
| ttaacactcc  | acggctggaa | atgatagaaa | tcggaaacct | tttttccatc  | tacattgccg | 2279700 |
| cctttgtcat  | gataacgata | agattcggtc | gtaatagaag | cagacaggaa  | cgaggaccat | 2279760 |
| ttatccgtat  | tatactctgc | ctgtgcaa   | aagcctgccc | agacaatttc  | acctacgcta | 2279820 |
| tggtactgaa  | caatatcacc | ctctttcagg | atcacattag | gagattcata  | atccagatgc | 2279880 |
| ttactaccgg  | gcataata   | tgcaccacc  | aacaaattgt | caatgacttc  | tttgtgatag | 2279940 |
| cctttataat  | agcgtccgtc | gaatccgcct | gtaaacgtaa | atttctccgt  | gatacggttt | 2280000 |
| ttatatgagc  | tcaaaacgcc | ataccagtca | tgatcattca | cagcattggg  | aaaaattgct | 2280060 |
| tgtgaaccgt  | tgggattgga | agcattagca | gccaacacag | catcgtaatc  | aagtaatcct | 2280120 |
| cctgctgtca  | gttttgtatc | ttcgtaagg  | cgtccactat | tattgtcgat  | cgccaaccag | 2280180 |
| ttactattat  | ttccacgtac | gcggcggtca | ccaccggttg | ccatggaagc  | atacagagaa | 2280240 |
| gtcgtcaaag  | aagagtcttc | attgattgtc | caataatgat | tcaatgaaac  | ctgcggtttg | 2280300 |
| tgataatagt  | tatatccgta | agcgccacca | gtcagttcac | cattcagata  | accataagag | 2280360 |
| ttactaaaac  | gtccaccatc | cgggctgttc | ttataatctt | cgatataatg  | cttggttgca | 2280420 |
| cgctgattat  | gccattgcgg | agcaccaaaa | gccgtcaacg | acaatttatg  | atgttcatta | 2280480 |
| atgatcttag  | agatattacc | gaaatacgtc | cagccttcat | aattgggttc  | tttcacgtat | 2280540 |
| ccatcacccg  | tattcagagc | acccatcaat | gtaacagccc | agccgttatc  | catcagacca | 2280600 |
| gtagaaacag  | aaacagaata | tttacgaaat | ccgtcatttc | cgatgccgat  | ataagccgat | 2280660 |
| ccaccttttt  | gtgcttcggt | actctttgtc | accatattca | tagttcctcc  | cacagaagac | 2280720 |
| aaaccaatg   | ctgaagctcc | caaaccacgc | tgcacctgaa | taaactggct  | cacatcagac | 2280780 |
| aagccagacc  | agttcgacca | ataaacctta | ccgttttcca | taccgttaat  | aggtacacca | 2280840 |
| tttatcagaa  | taccagatt  | ggaagaatcg | aaaccacgca | tattgattcg  | agaatcacca | 2280900 |
| taacctccac  | tatcacgagt | aacatataca | gatggagtag | atttcaacaa  | ctccggaaat | 2280960 |
| tccaagttac  | caaccttctc | ttcaatagtt | gccaaatttc | cattagaaat  | agggattgga | 2281020 |
| gtctgacgat  | cagacttgat | aatcgaagca | atgacactta | cctcacccaa  | ccctatagcg | 2281080 |
| tcaggtgcca  | aggaaattgt | acctaaattt | acattatttc | ctgtaatttt  | cacgttcttg | 2281140 |
| attaattcat  | tataaccaac | gtaactaata | gccaaaacaa | ttttgccatt  | ttttacattc | 2281200 |
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| tgagctaccg | cagtgtactgt | acttactatg  | acaagcaccg | caaacaatag | aaaatgcttc  | 2281380 |
| aattgacttt | tcatacggtt  | tcttcaattg  | ttttgtgtgt | attaataaca | atacttcggt  | 2281440 |
| aaatttttac | cgataaatta  | aaattaaaca  | tagaatcggc | ataatccggt | tcaaaattat  | 2281500 |
| attcaagaga | tcattgaaat  | actgtcaaga  | ataaatcgct | aaggagtaag | aaaagggatg  | 2281560 |
| aaaaagatat | gctaaacagc  | tgaaaatcaa  | cagaaaaagt | atttcataat | tcactgattt  | 2281620 |
| ttagtaaatt | agaagtactt  | caccactttt  | aattatgact | aaagaatcac | tccttatgca  | 2281680 |
| ataccaatcc | gagtgcagaa  | acgctctcga  | atcagctgta | aatataagca | aatcttttca  | 2281740 |
| gaaagtattc | atggatgcaa  | tgaaattatt  | catggctata | cctgaccgca | tcaatttcct  | 2281800 |
| acaaatggga | cggtatggat  | gtttctcgga  | acagacatac | cgcaacaatt | ttgagaacga  | 2281860 |
| cggctttgac | tggttttcct  | tcaatgaagc  | catcatcagg | gaacacctta | aagggtggtcg | 2281920 |
| caaggcgata | gccgttgatc  | cgtctttcat  | tccaaaatca | ggcagcaaaa | cgccgtggat  | 2281980 |
| tggtctattt | tggtccggtt  | gtgccgggtga | atacaaacgt | ggactggaaa | taaccggtat  | 2282040 |
| tggtgttata | gacgttgaca  | accatgaatg  | tatgactttg | ggctctgtac | agacacctga  | 2282100 |
| caacgcaacg | ctggaaagct  | gtgagaagaa  | tctgtgtgac | tggtacagct | cttaccttat  | 2282160 |
| cagcatacag | gaacagctga  | aacgtatttc  | tggcacagtc | gtgtgtgatg | cgttcttttc  | 2282220 |
| aaaggcaact | ttcatcaaac  | cattgtacga  | taacggtttc | cacgtaataa | gccgtttcag  | 2282280 |
| gaatgatgcc | gtattgtttt  | atcccacctt  | agaaaatagg | acaggaaaac | gcgacgtcc   | 2282340 |
| aaaattacat | gacgagaaaa  | ttgactttga  | aaatctggac | atcacaagat | gtaccgagta  | 2282400 |
| caaagtgaac | aagggtaaac  | tttacggact  | gaaagcatac | tccaaagcac | tcaaacgctt  | 2282460 |
| tgtgagcctg | gctgtatggt  | accccatgga  | tggaagaacg | gacaaatggc | agctgtattt  | 2282520 |
| ctctacaaac | gaaatacaga  | acgcacagga  | tgtcctggac | ttttacagaa | cacgtttcca  | 2282580 |
| actcgaattc | tgctttcggg  | atgccaagca  | acatgccgga | atagcaaact | gtcagtctac  | 2282640 |
| agacttcagg | aaactggcat  | tccactttta  | tgcatacact | gcagcgataa | acctcgccaa  | 2282700 |
| ggctgcctgt | aagaagatgg  | gaataaaata  | ttccatatca | tcatgcaagt | cagtcataca  | 2282760 |
| caatgcttac | atgcttgaac  | gatttatttg  | cgtgtctggg | attgaaccaa | acacgcaatt  | 2282820 |
| aattgacaaa | cttttcaaag  | aactcatttt  | atttactgcc | agagccgctt | aggctgggct  | 2282880 |
| aatttttaac | gaactattgt  | aataaatcaa  | agacaaatat | agtaaaaaac | tttaaaaatt  | 2282940 |
| cggaggaaaa | agccaaaatt  | attagcacat  | taactcgatt | atgttaataa | aattattatt  | 2283000 |
| aaaaatacaa | agaatatgca  | tttccaccgg  | accagccggt | tttataccga | cactatcacg  | 2283060 |
| cagaaagcag | tttttctctt  | tacactttcc  | acggagaacc | gacgaaaaac | ttgtcatttt  | 2283120 |
| atcagaagca | taaaaattta  | acagaaatga  | aacacccttg | cacgtagtgt | cgattttaagc | 2283180 |
| aagttcacac | cagcagcaga  | caggaaaaaa  | ggagacaaaa | tagcaagcgg | accgccgatg  | 2283240 |
| gtaccaccaa | cggtagcact  | tattatactg  | ctacacaagc | aattaccact | acaaacggcc  | 2283300 |
| caccaatgat | accaccagt   | gtaccaccct  | ttcctattat | atataataaa | caaagatata  | 2283360 |
| atcaaaggaa | gtttcgtccg  | aaacttcgga  | ggagggcatt | gagaaaagaa | aggcattaac  | 2283420 |
| tttttttaag | cccgcggcat  | cgacagactt  | ccgcacgagg | attctggcag | aattttgtaca | 2283480 |
| aaagatttta | gtttttgtac  | aaaaactgga  | aaatcgccac | gtagtcttcc | ggaaaacgcg  | 2283540 |
| cttccgattt | ccgccacgag  | ccgtccagag  | cccgaagaa  | agccgtccga | acacgaggaa  | 2283600 |
| aaccgcccgt | tttttcgtat  | ctttgcaaag  | ataagaactt | aaccaacca  | acgaatcatg  | 2283660 |
| gcgaaagaaa | aaaccgtata  | tgtttgacc   | aactgcggac | aggaatcgcc | caaattgggca | 2283720 |
| ggcaagtgtc | cgtcgtgcgg  | gcagtggaa   | acgtttgtgg | aagaggtggg | gcgcaaggaa  | 2283780 |
| gtgcccgtag | ccaagcatgt  | ggcgacgggt  | atcgagtcgg | tacgctcgaa | acccagcg    | 2283840 |
| ctgcacgaaa | tcacctcggg  | agaggagcag  | cgcatcgaca | tgggcgacga | cgagctgaac  | 2283900 |
| cgcgtagctg | gcggcggact  | ggtagagggc  | tcgctcacgc | tgataggcgg | ggaaccgggc  | 2283960 |
| atcgaaaggt | cgacgtggt   | gcttcagacg  | gtactccggc | tcacggacaa | gaaggtgctg  | 2284020 |
| tacatttcgg | gcgaagaaag  | cgacggcag   | ttgaagctgc | gtgccgaccg | catcccccat  | 2284080 |
| cccgaggcaa | gcaacctgct  | cattgcgtgc  | gaaacgtcgc | tggagcagat | tttcacgaac  | 2284140 |

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|             |            |             |            |             |             |         |
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| atcaagaata  | cggctcccga | cctgggtggtc | atcgactcca | tacagaccat  | ctcgacggag  | 2284200 |
| aatatcgact  | cgtcgccggg | cagcatcgtg  | caggtgcgcg | agtgttcggc  | agccatcctg  | 2284260 |
| aaatttgcca  | aggaaacggg | tacaccggtc  | atcctcatcg | ggcacatcaa  | caaggagggc  | 2284320 |
| agcatcgccg  | gaccgaaggt | actggagcat  | atcgctgata | cggtgcttca  | gttcgagggc  | 2284380 |
| gaccagcact  | acatgtaccg | catcctgcga  | agcatcaaga | accgcttcgg  | aagtacggcg  | 2284440 |
| gaactgggta  | tctacgagat | gcgtcaggac  | gggctgcggc | aggtgagcaa  | tccttcggaa  | 2284500 |
| ctgctgctca  | cgcaagacca | tgagggcatg  | agcggcattg | ccatcgccctg | tgcggtagag  | 2284560 |
| ggtatccgctc | cgtttctcat | cgaggtgcag  | gcactggtga | gcacggcggc  | ctacgggatg  | 2284620 |
| ccccagcggt  | cggccacggg | attcgacctg  | cgccgcata  | acatgctgct  | ggcggtgctg  | 2284680 |
| gagaagcggtg | tgggctttaa | attggcacag  | aaggatgtct | tcctgaacat  | cgcaggagga  | 2284740 |
| ctgaaggtga  | acgatccggc | catcgacctg  | gcggtaatca | gtgccatcct  | gtcgagcaac  | 2284800 |
| atggacacgg  | agattgaagc | gggctgtgtc  | atggcgggcg | aagtgggact  | gagcggagaa  | 2284860 |
| atccgtccc   | taaaccgcat | cgaacagcgc  | atcagcgaag | cggagaagct  | gggtttcaca  | 2284920 |
| cggatgctcg  | taccaagca  | taacctgcag  | ggactggacc | gcaagaagat  | caagatcgag  | 2284980 |
| ctggtgccc   | tacgcaaggt | ggaagaggct  | ttccggcagt | tggttcgggtg | aaagagtgt   | 2285040 |
| aacaagataa  | tttatggcaa | agaaattcaa  | catacgaac  | agtacggcag  | aattttctcat | 2285100 |
| tttccaactt  | gaagggaaa  | agaacgggtat | acaagtgtct | tataaagacg  | aaacaatctg  | 2285160 |
| ggctacgcaa  | aaagcaatag | ccgagctgtt  | cgacatagga | gtgccagcca  | tcagcaagca  | 2285220 |
| tctgaaaaat  | atattcgaag | acggtgagct  | gaatgaaaat | tcagttattt  | ccaaaatgga  | 2285280 |
| aacaactgcc  | tccgacggga | aaatgtacaa  | caccgggttt | tataatcttg  | atgccattat  | 2285340 |
| ttccgttctt  | cgaccgcttc | aatacagaca  | gcttattatc | atttaaacct  | gactctgatt  | 2285400 |
| catagtaaac  | aaaaacaacc | atztatgata  | caagaatacc | agttaagagt  | tctgcccag   | 2285460 |
| caggcagcca  | gcgaacagca | tatcaaacia  | tacgtgagcc | gcgagaaggg  | gctcgacatt  | 2285520 |
| cgtaccatcc  | acgccgtacg | ggtgctgaaa  | cggagcatcg | atgcccgcca  | gcggaccatc  | 2285580 |
| ttcgtgaacc  | tgaaggtgca | ggtgttcata  | aacgaaacgc | ctaccgagga  | ggagttcgtg  | 2285640 |
| cggacggaat  | accgcaacgt | ggagggtgag  | cctcaggtga | ttgtggtggg  | tgccggaccg  | 2285700 |
| ggcgccctgt  | ttgtgtccct | gcgcctgata  | gagctgggac | tgctgcccgt  | agtgttgag   | 2285760 |
| cgcggaaa    | acgtgcgcga | ccgcaagacg  | gaccttgccc | gcacagccg   | tgagcacaag  | 2285820 |
| gtggacccgg  | aatcgaacta | cagcttcggc  | gagggaggtg | cgggagctta  | ctccgacggc  | 2285880 |
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| aatacgggaa  | agaccttcca | cgtccgggtg  | attctggcta | cgggacattc  | ggcacgcgac  | 2286180 |
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| gtacgtctgg  | agcatccgtc | gatgtgatc   | gaccagattc | agtatcacia  | caagaacgga  | 2286300 |
| cgcggaaa    | atctgccggc | agcgggaata  | agcttcgtgc | agcaggtaga  | cggtcgcggg  | 2286360 |
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| cagatagtgg  | tgaacggcat | gagccccagc  | aaccgtggca | caaagtggag  | taactccggc  | 2286480 |
| atggtggtgg  | aactgcgtcc | cgaagacctg  | ctcctgccc  | acttgacagt  | tcaggcgtgc  | 2286540 |
| gaaaccattc  | agggttcggc | agaggcacag  | accgaggaac | tgattgccc   | ttcgggaaaa  | 2286600 |
| ctgcccaggg  | gaagcgtaca | tacactggct  | gtaatgcact | ttcaggagaa  | gctggaacaa  | 2286660 |
| ctctgctggc  | agcagggtaa | catgcgacag  | acggctcctg | cacagcgcata | ggcggacttc  | 2286720 |
| atcaaccgga  | aggtgagcta | cgacctgccc  | gacacatcgt | acagcccggg  | actggtttct  | 2286780 |
| tcgccgcttc  | atttctggat | gccgaaattc  | atcagcagtc | gtctgagccg  | gggcttcag   | 2286840 |
| ttgttcggca  | agagctcgca | cggcttcctg  | accaacgagg | cgggtgatgat | tgccgtggaa  | 2286900 |
| acacgtacct  | cggctcctat | ccgcatacgt  | cgcgacaatg | aaaccttgca  | gcacgtcacc  | 2286960 |
| gtagaggggg  | tgttcccttg | cggagagggg  | gcgggctatg | caggcgggtat | cgtgtcggca  | 2287020 |

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| cacagcatcc   | ttataaactg  | ttatcagtac  | ccgataaaat   | gaatagttgc   | agtatggttt   | 2287140 |
| ctgtaaaataa  | gcagtagcac  | ctaaatgtgc  | aataatcaat   | tacctatcag   | cgaactatca   | 2287200 |
| gtaacttaaa   | actttttacc  | ggatagtaat  | cataaacttt   | attcaattgc   | gtccgcaactg  | 2287260 |
| cggtcgcaat   | tgaactgaac  | acattataaa  | tcgatagata   | aacgagcagg   | tacaacagac   | 2287320 |
| gaaggcagat   | ccatatccgg  | acgaaaaaga  | gtgaaaaaga   | gaaataaaaag  | cagttttgag   | 2287380 |
| aaaactaaaa   | gccttcttca  | atcgtttctt  | tgatataagt   | attcctccga   | catgaatcaa   | 2287440 |
| tgaacctgtg   | tgaaaaacat  | aacctataac  | caagatgcaa   | catatgcctg   | aaatagcaat   | 2287500 |
| cgtagaacag   | aatacgctga  | cagcactagg  | cttgcagacc   | attctggaag   | aacttatccc   | 2287560 |
| cgtagcgacc   | atccgcagat  | tttcgtcgtt  | cgccagactg   | atagacgaca   | cgccggacat   | 2287620 |
| gtacagccat   | tattttgttt  | cggcacagac  | gtacttcgag   | catacgtcgt   | tttttctgga   | 2287680 |
| acgccgtccg   | aagaccatcg  | tgctggcagc  | ggcggaacag   | cctctgtctga  | acgggtgtccc  | 2287740 |
| tacctgaat    | gtctgtctgc  | cgcaggacaa  | actggtggct   | tccatcatgc   | agatgcgaaa   | 2287800 |
| acagggacac   | gaagcgacac  | atcatccggt  | atctccgcaa   | gaaatgcagc   | agagccacga   | 2287860 |
| tctgtcgccc   | cgtgagatag  | aggtactggg  | actcattacc   | aaggggctta   | tcaacaagga   | 2287920 |
| aatagccgac   | aagctgaaca  | tcagtctgac  | gacggtcatc   | tcgcaccgca   | agaacattac   | 2287980 |
| cgagaagctc   | ggcatcaagt  | cggtttcggg  | gcttgccatc   | tatgccgtga   | tgcacgggta   | 2288040 |
| tgtggaagct   | gaccggatat  | gatacgacac  | cggtatgtgc   | ctgctctgtt   | gattgtacta   | 2288100 |
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| gcggaaaagg   | agatctatta  | gatcgacaag  | ggcttgccgg   | aggaacttat   | cttggttttc   | 2288220 |
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| aaaagthtct   | thtatthtga  | thggtcggtg  | agthgttagct  | caagcaatat   | taatcgtgtc   | 2288400 |
| tatcgcattha  | atacaagggth | ataaggttha  | tagaatgtac   | agaacaagat   | aataagcaaa   | 2288460 |
| tcaattthaat  | tattcaatth  | atgaaaaaca  | acaagatcat   | cggthtgagc   | atattatgcc   | 2288520 |
| tgcagctgtg   | catcttattc  | ctcattthtc  | agthtgatgt   | thtaggagag   | tggagaagcg   | 2288580 |
| gaagthtgac   | aatcagthctt | thcaccctat  | acacgctggc   | aactccttcg   | ctggcgthggt  | 2288640 |
| atthtgatcaa  | taagagggga  | aatcacata   | atatgtaatg   | aatagctthc   | atgatataatg  | 2288700 |
| thccaataga   | acaactthgat | tgaatccaat  | aattthtaaat  | ataaaatgat   | thcatacgaa   | 2288760 |
| agthaatttht  | atcctthacat | gcaataaatc  | aatgatgttc   | tcaaacgaat   | aaaataagag   | 2288820 |
| aaaaaaggaa   | aaacaaagth  | gaaataaat   | agaaagaatt   | taaaactatt   | gaatacataa   | 2288880 |
| tatacaataa   | aagcccgtcg  | gtcattcagth | gccattcact   | tcataccagc   | cgggctthtt   | 2288940 |
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| cagctthctgt  | tcgataggat  | ccttatactg  | agthctggagth | thcaccagth   | cagcctthcag  | 2289060 |
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| gtgataatac   | agcgactthc  | gccagthcggc | aggctthctca  | cctthtcagca  | gcggaaccag   | 2289300 |
| agatacgccc   | tgaatatctth | cggggatagg  | tgctccggca   | agthtcgagga  | aggthcggggc  | 2289360 |
| atagthcgatg  | thctgtacca  | thctgaggat  | thcaccctth   | gcctthgaagth | ctthtcggcag  | 2289420 |
| gtgcagatgc   | agcgggggtat | gcagthgattc | ctcgtacatg   | aaacgctthgt  | cgaaccagcc   | 2289480 |
| atgthtcgccc  | atgtagaatc  | cctgatcgga  | ggtagatagct  | accagcgat    | thgtcgagcat  | 2289540 |
| gccctthttcc  | thcaggtagth | cagthtacacg | accacattth   | thgtcgagcg   | actthcactac  | 2289600 |
| ctthggcatag  | thcgcgcatgt | agcgtggtta  | ctthccattcg  | gccagthtcct  | taccctgchg   | 2289660 |
| atthctthctg  | tagaagthcgt | cgataatcgg  | ctggtagaag   | tcatacgta    | cctthacggth  | 2289720 |
| thccggactc   | aggcgaccga  | tataactthc  | gtatctthtc   | thcagcgag    | aagthctthgtc | 2289780 |
| ggcacggtcc   | atctthgtth  | cgtaaatcag  | gtccatgtth   | thccagatac   | tcattthcctg  | 2289840 |
| agcagcgga    | gcgggacgac  | ctthcgtagth | atcgtagaaa   | thgtcgggca   | acgggaaggt   | 2289900 |

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|            |            |            |             |             |             |         |
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| cttgtcctcg | tacagcggca | agtcttccag | tgcaggcagc  | cagttgcggt  | ggatagcctt  | 2289960 |
| gtgatggata | aacagacaga | acggcttggt | cttgtcgcgc  | tggttctcca  | tccagtcgat  | 2290020 |
| actcatatcc | gtaatcaggt | tagtgacata | cccctccttg  | cggatgggtat | cgttgtccat  | 2290080 |
| cgtgatgaaa | tccggattat | aataatcacc | ctgttcgggc  | aggatttccc  | aatggtcgaa  | 2290140 |
| tccggtaggc | aggctcacga | ggtgccattt | tccgatgata  | gccgtctgat  | aacctgcctg  | 2290200 |
| ctgcaacagc | ttcggcatgg | tctgctgaga | accgtcgaac  | acacacgtag  | tattgtcggg  | 2290260 |
| aaatccggtg | gcatggctgt | gcttgccggg | aagcatacac  | gcacggctcg  | gtccgctcag  | 2290320 |
| cgagttagcc | acaaaactgt | tggtaaagat | tacaccatcg  | ttggcgatac  | ggtccagggt  | 2290380 |
| aggagtttcc | acaaagcgac | ttccatagca | gctcatcatc  | tgtgccgtat  | ggtcgtcggg  | 2290440 |
| catgatgtac | acgatattgt | actgtttggg | agcctgtttc  | tcactgccgc  | acgaagccag  | 2290500 |
| tgaagccaga | gctgccatac | ccgtcaacgg | gtaaagaaat  | gaagatgttt  | tcataaaatg  | 2290560 |
| aaatgaggta | agtgaanaat | tatactactt | attacaaaga  | taccagcttc  | gggaggatac  | 2290620 |
| ccaaagccat | caagcaaaaa | agtccgagga | agtatggcat  | ttcgtataaa  | cgtttaacaa  | 2290680 |
| ctcgtacaca | aaccttttac | ttccacacct | tattggacat  | ctctccattg  | tgccattctc  | 2290740 |
| tacagctatt | ccttcagtgt | tcaccatctg | tagatagcaa  | gttctggctg  | taatttcaac  | 2290800 |
| aaacagcact | tgactaacac | agtcctatta | aaaataatac  | acaaaaaata  | ttacaataat  | 2290860 |
| caatatctaa | tttaaagatt | aatacaaaga | tagatataat  | tttaaaaaat  | attatatattg | 2290920 |
| cacaacagaa | aacataaaaa | aagacaacta | aaaaagtatt  | actatgaaaa  | aaaatccggt  | 2290980 |
| aaaagtatgg | gccatttgcc | tgctaacggc | aggatgtctg  | atggcgtgcg  | cgccacaaga  | 2291040 |
| aacccaaacg | ggtaacctga | atatcattcc | actaccccaa  | gaagtaacgg  | aaaatccatc  | 2291100 |
| atcggcacct | ttcgttatca | agccctccac | aaccatcgtc  | tatgaggaaa  | gtaatgaaaa  | 2291160 |
| attagcaagt | accgcccgtc | ttttagccga | ttatattaaa  | gaggtaacag  | ggacggaagt  | 2291220 |
| caaaacaggc | ggtcaggcaa | gcaagaactg | tatcatcctg  | aaagtcgatc  | cgtctatgac  | 2291280 |
| acacaaagag | ggatacgacc | tgagcatcac | tgccgatgcc  | gttacggtaa  | cgggagctac  | 2291340 |
| cgaggccgga | gtattctacg | gctgtcagac | catccacaag  | gcactgccca  | ttacagaggg  | 2291400 |
| caaagcactg | gcttcgctgc | ctgccggaga | ggtgaaagac  | ttcccgcagt  | ataattaccg  | 2291460 |
| tgggttcatg | attgatgtag | gccgtcattt | ctttccgaag  | gaataacctga | agaaactgat  | 2291520 |
| tgatgtcatg | gcactgcaca | acatcaacta | cttccactgg  | catctgaccg  | aggatcaggg  | 2291580 |
| ctggcgtatc | gaaatcaaga | aatatcccaa | gctgacggaa  | ataggttcgt  | accgcaagga  | 2291640 |
| aacgcttacg | gcaccgggat | cgggcaagtt | cgacgggtact | cgggtaagcg  | gttactacac  | 2291700 |
| gcaggaggat | gccaaaggaa | tcgtggctta | tgcagccgaa  | cgcttcatca  | ccgtaatccc  | 2291760 |
| cgaaatagac | atgccgggac | acatgctggc | tgcgctggct  | tcgtatccgg  | aactgggatg  | 2291820 |
| tacgggtggt | ccgtatgaaa | cggctaccaa | attcgggtgtg | ttcaagggaag | tgctgtgtgg  | 2291880 |
| cggcaatccc | aagacattgc | agtttgccaa | ggatgtggta  | aacgaactga  | tggtatcttt  | 2291940 |
| cccggatgct | ccttatatcc | atatcgagg  | cgatgaatgt  | ccgaaagcag  | aatggaagaa  | 2292000 |
| gtgtccgaag | tgtcaggcta | agatcaagga | actgggactg  | cgtgacacga  | aggagcacag  | 2292060 |
| caaggaaaac | cagcttcagg | tgtacttcat | gaacgaagtg  | gaaaaggaaa  | tcgccaaacg  | 2292120 |
| aggcaagaag | atgttggcat | gggacgaaat | cctggaaggc  | aacccaaatc  | ctgcaacgac  | 2292180 |
| taccgtcatg | gcatggacgg | gcgtaaaggc | ttccatcaag  | gctgcacagc  | tgggacatcc  | 2292240 |
| gaccattgtc | tgccccatca | gtcacctgta | tttcagcaat  | ccgggctata  | accgactgaa  | 2292300 |
| gggtatcagc | agcgtggaac | gggtatacaa | ctttgaaccg  | cagtctgaca  | aactgactcc  | 2292360 |
| ggaagagaag | aaaaacatta | tcggcgtaca | ggcttgatc   | tggacggaat  | ggacgaagga  | 2292420 |
| cagtctgaag | atggaatggc | agatgatgcc | acgtatcgcc  | gcactgagtg  | agttgcagtg  | 2292480 |
| gagcaatccg | gccaaagaag | atttgaacgg | attcctgaaa  | cgtctccgcc  | accaactgga  | 2292540 |
| tctgtatcag | ctgtatggat | gtaattataa | aaaggatatt  | gaggatgtaa  | cgattgacgt  | 2292600 |
| ggaaccgaag | ggaacagatg | gaacggcagt | tatccaaactg | aagactttcg  | acaacgcacc  | 2292660 |
| ggtttactat | acactggatg | gttcggaacc | gtcggcaacc  | tcgcagcagt  | atacgcagcc  | 2292720 |
| atttacgtta | gacaagacca | cgaccatcaa | ggcaaaggct  | atccgcaacg  | gacgtgagag  | 2292780 |



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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
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| atgtgagccg | gatgaaaaat  | tcacttacaa  | gggtgccaac  | ttgctggtag  | acggtatgca  | 2292900 |
| gggagatgac | aactaccgtt  | cgggacgtta  | catcgggtatt | tacggtcagg  | atttcgatgc  | 2292960 |
| gaccatcgac | ttgcaggagc  | cgaaagaaat  | ttcttctgta  | tcggtcggta  | cctatctggt  | 2293020 |
| tccgggcgac | tatatcttcg  | gtctgacagg  | actggaagtt  | tatggttctg  | aagacggcaa  | 2293080 |
| ggcttacacc | aagattgctt  | cgaaggctat  | tcctactctg  | gaaaaaggca  | gcaagaacaa  | 2293140 |
| cgtactgaag | cgagataccc  | tcagcttcga  | caagacgaag  | gcacgttatg  | tacacatcat  | 2293200 |
| cggaaagaat | actccggtac  | ttccgaagtg  | gcacccgggt  | gcaggcagtc  | agacttacct  | 2293260 |
| gttcctcgat | gaaattgcta  | tcaactaaaa  | ataataaacg  | gctgccgaga  | taagatgcag  | 2293320 |
| ccaatattat | cataaaaaaa  | gagtcatatc  | atcctttcat  | acggagagtt  | tgatatgact  | 2293380 |
| cttttctatg | ataactaaat  | caagagataa  | aaaaacatcg  | ggacgttttc  | ccgtaatcat  | 2293440 |
| cgcttgatat | ttttttgcat  | aatcctcata  | aattaggatt  | gccggataac  | gggaattggc  | 2293500 |
| gttactttgc | aaccgaatta  | caaaaccac   | tagacagatt  | atgaaacgta  | caattctcgc  | 2293560 |
| ttcgtggca  | actgccgtga  | cgacagtcgc  | ctttgctact  | ccgaccgata  | cagagattgc  | 2293620 |
| attggtcaag | gacactacca  | aagttataga  | catcgaagaa  | gtggtggtta  | tcgccactcc  | 2293680 |
| caaggaaaat | aaccgtctgc  | gccagcaggc  | catttcgctc  | acttcgctct  | cacagaatga  | 2293740 |
| gatgcgcaac | aactcgggtga | cttcgggttaa | ggcgttgctg  | ggacttgtag  | ccaatctggt  | 2293800 |
| tatccccgat | tacggttcca  | agctgactac  | ctcgggtgat  | gtccgcggta  | tcggttcgcg  | 2293860 |
| tatcaacacg | cctgccgtgg  | gtctgtatgt  | cgacaatatc  | ccgttcacgc  | acaagtcggc  | 2293920 |
| tttcgacttc | aactattccg  | atcgcgaacg  | aatcgacgtg  | atgcgtggtc  | cgcagggaac  | 2293980 |
| gctgtacgga | cgaaacacca  | tgggtggact  | gatccgtgta  | tttaccagt   | cgcttttcac  | 2294040 |
| atatcaaggt | acggatatcc  | gtctgagcgc  | agctacatac  | aatgactata  | aagcctctct  | 2294100 |
| gactcactac | caccgtatct  | cttcgcagtt  | tgctttctct  | acgggtttct  | tctacgagca  | 2294160 |
| caaggagggc | ttcttcaaga  | atagtttcaa  | caacaagcgc  | atcgatacgg  | acaatgagtt  | 2294220 |
| cggaggctgt | ttccgcgcta  | tctacctgcc  | tacagacaac  | ctgaaactgg  | acctgacggt  | 2294280 |
| gaattatgaa | tataccaatc  | agggagggtta | tccgtacgaa  | tacaccggac  | gtaccgacgg  | 2294340 |
| caagacggaa | gatcgcagcg  | actatatcgg  | aaaaatatcg  | tataaccgtc  | tctgcgggtta | 2294400 |
| caagcgtaac | ttgctgaatg  | cagggtctgaa | tctggagcat  | caggcagaca  | actttatatt  | 2294460 |
| gagcagtggt | acagggtttcc | agtatctgta  | cgaccagatg  | aatctggatc  | aggatttcac  | 2294520 |
| cgaagcagac | atctatacca  | tcatgcagaa  | gcagaactcg  | aaaaccatca  | gcgagggaact | 2294580 |
| tgtattgaag | tcgaagccgg  | gcaaccgctg  | gcagtggtg   | acgggagtga  | gcggattcta  | 2294640 |
| tcagtggctg | aaaactgacg  | gtccgggttac | tttccaggaa  | gaaggaaatcc | agagcctcat  | 2294700 |
| cgaggataac | atcaacgcag  | gactctcgca  | tctgcctgcc  | ggagcaccta  | ctttagcaac  | 2294760 |
| caaaattacg | acacgaccct  | tgcccatttc  | gggtgtgttc  | gatacaccga  | ttttgaacgg  | 2294820 |
| tgccatttac | caccagtcta  | cgttcaacga  | tgtgctggta  | gaaggctctgt | cggttacggc  | 2294880 |
| tggtctgcgt | ctggactacg  | agaagctaaa  | gctggattac  | aactcagtat  | gcgacatgaa  | 2294940 |
| tttcgatttc | agcgtatcgg  | ctcctttcct  | tccaacggcg  | attgtccgac  | cgctgaatgc  | 2295000 |
| caagacgcag | ttcatcggga  | aggaatcgac  | cgactacttg  | cagttgctgc  | ctaagttcac  | 2295060 |
| tattcagtac | gcatggaaca  | gcaagaacaa  | tgtgtatgct  | accgtcagca  | agggataccg  | 2295120 |
| ttcgggagga | tacaacattc  | agatgttctc  | cgacctgata  | cagaacaaca  | tgagaaacga  | 2295180 |
| tatgatgaat | gccatcaagc  | aggacgaggt  | gctcggcaag  | tttgccggaa  | tgatgccgga  | 2295240 |
| aatgccggct | tcggatgtca  | acgtatcgga  | tgctacgctt  | tacaagcctg  | aatactcatg  | 2295300 |
| gaactatgag | gttggttcgc  | acactacctt  | gttcgacgac  | aagctgcaag  | ccgacgttgc  | 2295360 |
| tctgttctac | atggatacac  | gcaaccaaca  | gatttcacgt  | tttgccgaaa  | gcgactggg   | 2295420 |
| acgtatcacg | gtcaatgcgg  | gaaagagccg  | cagcctgggt  | gccgaagctt  | ccgtgcgtgc  | 2295480 |
| acagctgacc | aacgcgttca  | gcctgaacgg  | aaattatgga  | tataacctacg | ctacctttac  | 2295540 |
| cgactacgtg | gtgagcgaca  | cagagaacta  | caacggcaac  | tatgtgcctt  | tcgttcccaa  | 2295600 |
| gcacacgttc | aatgtaggag  | cacagtacgt  | gttcacgatg  | agaaagggtg  | ctatcttaga  | 2295660 |

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|             |            |             |             |             |            |         |
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| caatgccagt  | caggcactgt | acggcacact  | gaacggacgt  | gtcaacttca  | acaagggcaa | 2295780 |
| cggacagctg  | gctttctgga | taaataacgc  | actcaacacc  | gactatcagg  | cgttctactt | 2295840 |
| cgaaaccatg  | aacagaggct | ttgcacagaa  | aggctcgtccg | cttcaggtag  | gtgtggatat | 2295900 |
| ccgctgccgc  | ttctgatgcc | aacctcaaac  | tccataaacc  | aaacggacaa  | caagaggtgt | 2295960 |
| cgaacgaagt  | tttatacagg | atattataag  | tagacttatg  | ctttatatag  | gaaattaagc | 2296020 |
| attaaagaaa  | acatttcaaa | aaatagaaac  | ttaaaagcaa  | agcatcctcc  | tgtctttggt | 2296080 |
| cccttcacaa  | cgaaggctaa | agcaggagga  | tgctttttat  | agattgcccc  | tgttcgcggt | 2296140 |
| tcagctccgg  | ttccttttaa | tccggttctt  | tttgaaagggt | gcagggtttc  | tcctcagatt | 2296200 |
| acgattctcg  | ctgtgtttct | gatagccata  | tcttttattt  | tgagaatcac  | ctcaatttca | 2296260 |
| gattcaattt  | aggtcataaa | cttttgtgac  | ataatcttaa  | acgatgcgta  | caaaatcatt | 2296320 |
| atttttaggt  | atttcaaaac | ttctccatac  | accgttactt  | tacaatgtca  | aatcaactaa | 2296380 |
| aagtataaag  | caatgaaaaa | gactggtgta  | ttttacgggt  | ctacaacagg  | cacaaccgag | 2296440 |
| tctgttgac   | gcatgatagc | aaacaagtta  | ggaatttctt  | ccggcgatgt  | atacgatgta | 2296500 |
| agcaagctaa  | ctgccgatgt | ggcaggggagc | tacgaagcgc  | tgattttagg  | aacctctacc | 2296560 |
| tggggcgacg  | gcgaattgca | ggacgactgg  | tacgacggca  | tcaagggtctt | aaaagggatg | 2296620 |
| gatctttccg  | gcaagacggt | tgccctgttc  | ggatgcgggtg | actcggaatc  | ttacgccgat | 2296680 |
| acgttctgcy  | acggcatggg | tatcttgttc  | aacgacttga  | gagacagtgg  | ctgccgcttc | 2296740 |
| atcggtgccg  | tttcggatgc | cgactatact  | tactgttctt  | cagccgccgt  | gaccgacgga | 2296800 |
| tgtttcgtgg  | ggcttgctat | cgacgaaacc  | aacgaaggcg  | acaagaccga  | agagcgtata | 2296860 |
| acggcatgga  | cggaaatgct | gaaaaccgaa  | cttgcctgaa  | accaacctcc  | ggacaactct | 2296920 |
| attagtcatt  | ccaaacaacc | actcccatga  | aagtaaccga  | aatcaatccc  | gtagaactga | 2296980 |
| aagtgtttct  | gaaccacatc | tatgaataca  | agaaagggtgt | gcgtcagatg  | gtgctctaca | 2297040 |
| ccaccaacaa  | gaaatacgaa | acatttgccg  | taaaccgggt  | gaaaagccag  | cgcatcccgt | 2297100 |
| tcgtgattca  | gccggtagac | gaggaacgca  | tcaacttggt  | tttcggcaag  | gcggaatgta | 2297160 |
| tcaatgccat  | ccgcctgatg | gtaaccgggc  | ccttgaacct  | gctcagtccg  | gaagaagatt | 2297220 |
| tcattttggg  | agccatgttg | ggatacgata  | tctgtgcaca  | atgtaaacgt  | tactgcacac | 2297280 |
| gcaagactcg  | cacgcgtgtg | gcgaattaac  | atcatcttgc  | ctattcattc  | agtgcaccac | 2297340 |
| aatgcggaca  | aatgcctttt | gtccgcattt  | ttgtctccaca | ggctccacat  | gcatacggat | 2297400 |
| atttgtccga  | cttccgcaaa | cggtcgatac  | accataccgt  | gtaggctatc  | aggcagacat | 2297460 |
| aggcagcata  | taccagaca  | taggtgaaga  | atatatacag  | gaaaatacag  | tacgcagcca | 2297520 |
| gtcccaccag  | atagaaaaac | gcgacttcca  | atttcgtctg  | atggaaaaga  | tcatcgagca | 2297580 |
| tggtacccc   | caccagcaga | atcagtccca  | cacaaacgat  | gaacagtccc  | aagatgaaag | 2297640 |
| gtacgtcaaa  | cggattcagc | gtgggatcgt  | agtaatagt   | catccatgtt  | tccggcacga | 2297700 |
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| ggaacgcact  | gtcgatgtca | ttcagtcgga  | tcagcttgat  | ctgtttcttc  | cgtatcgccc | 2297820 |
| gatagacaaa  | ccatacgag  | aacacggcca  | taatgagaaa  | gaacggcaag  | gtatgcgagt | 2297880 |
| tgctgaacaa  | atggatgaac | tgcgaaatag  | ggtcaaccgg  | cacgatgtgt  | tccagcagtt | 2297940 |
| catgctcctg  | aatccagccg | atggtttcct  | gatcgcggtg  | caccttcacc  | cataccgagt | 2298000 |
| ccactgaatc  | ctgaagatgg | acatcaaact  | ccgctaccac  | cagctgattt  | cctctgacga | 2298060 |
| caggtagact  | gtccataaac | ggtaactgat  | gcagccataa  | ggtatcggcc  | tccacctcga | 2298120 |
| agttactgct  | cagcgcatac | gcccgttcgg  | gcacgacagc  | cggcagcgag  | tcagtctttc | 2298180 |
| cgctcggcagg | catgtctgtc | gaagccgccg  | gccgatagt   | gcaagccacg  | ataccgacca | 2298240 |
| gcaacaagag  | gatcaatata | tatttactct  | tctgcatata  | ctttcatctg  | acactgctta | 2298300 |
| cagtcgaact  | gcaagcgga  | acgtctgccg  | tcgccgctga  | ccagaaaata  | cggttcgcgg | 2298360 |
| taaggcgagc  | gtaccttatg | atgtaccgga  | caccacccca  | tgctgtagcg  | caggcagtg  | 2298420 |
| ttgcagaaca  | tcagcacagc | cttttcagga  | gcttctttct  | cgaatgccgg  | tgcaatgcgc | 2298480 |
| cgtactccgt  | ggtcgtgata | gaaagcggca  | gcggcaccgt  | tcatcacatt  | ccccaagtac | 2298540 |

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|             |            |             |             |             |             |         |
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| tagttgatgc  | gacgagcttc | tagcagcttc  | tctaccgccc  | gacgacgcaa  | gtcggacagt  | 2298660 |
| tcggacgaag  | gaataaacca | gttggtccgac | aaggctatatt | ccacctccgt  | agcctcgaac  | 2298720 |
| ggcgtatttc  | ccagcttact | caactggttc  | ttcaggttct  | cctgctgagg  | agtacgtgcc  | 2298780 |
| agttcctttt  | ctctgggcaa | ggctatgctg  | atacggttct  | catcctcatc  | ggcaagcgac  | 2298840 |
| agggtaaagc  | cgaaattatt | ctcttcacgc  | ctcagcatca  | cggcgatttt  | ccgttcggcc  | 2298900 |
| gacttcttct  | gcatcaccgc | ttcaaactcc  | tgatcgaagt  | tacggtaaag  | tttggctctg  | 2298960 |
| ggctttacac  | gcggcatctc | ctgcggatag  | agtttggtgc  | cgtccaccgc  | gttcacacgg  | 2299020 |
| aagccgcaca  | acttgccccg | ttcgtcgaga  | taacacaaac  | cgtcgccggt  | gctgaacgat  | 2299080 |
| tttactcccc  | ctaccgtgag | gtaattgccc  | cgaatctcct  | tgaccgttcc  | aacctcctcg  | 2299140 |
| cccaacgatt  | tcggtgtatc | gaacgagaaa  | atgcccggat  | tacgtccgtg  | cgcgaaatag  | 2299200 |
| tcggtaaagc  | cacggctgaa | actcttgctc  | agctgcggac  | ggaaggcgag  | cttcaccgtt  | 2299260 |
| cccgcaggaag | cacgtgtata | ttccttgcca  | cgcttcagga  | tggcatccag  | tttctgacgg  | 2299320 |
| tagtacgccg  | tcacgttctt | tacatacgat  | acatccttca  | gtcgtccttc  | tatcttgagc  | 2299380 |
| gaagaagccc  | ctgcatcgag | cagtgcctcc  | agattctcac  | tctggttcat  | atccttgagc  | 2299440 |
| gacagcaaat  | gcttggtgcg | cgcaatgact  | tttccgtcgg  | catctaccat  | atcgaagccc  | 2299500 |
| aagcggcaga  | actgcgacac | ctctccacgg  | ttggcactgc  | ggccgaagca  | tgcttgactc  | 2299560 |
| acgtaacact  | gtccgctgta | acttacacac  | agcgcaccgt  | gtacgaagac  | ctcgagcaac  | 2299620 |
| gtatcgggac  | aggcagcatg | tattttggca  | atctcatcga  | acgtcagctc  | tcgtgccagc  | 2299680 |
| accacctgac  | ggaaaccggc | atccgcaaaa  | aacttgacct  | tctgcaccgt  | acggttgctc  | 2299740 |
| atctgcgtac  | tggcatgcag | cgggataggc  | ggcagattga  | gccgtgttat  | tcccatatcc  | 2299800 |
| tgaacaatca  | gcgcatccac | tccggcacga  | tacaaatccc  | agatcatcgc  | ttcgggtgtc  | 2299860 |
| ttcagttcct  | cgtcacgcag | gatcgtattc  | accgtgacat  | aaatacggac  | attgtacaca  | 2299920 |
| tgcgcatact  | gcaccagtgc | ggtaatgtct  | tccagcgaat  | tgccggcagc  | cgcacgtgct  | 2299980 |
| ccgaaacggg  | gagcaccgat | atacaccgca  | tcggcaccat  | gattgatagc  | ctcgatgccg  | 2300040 |
| cactccaggt  | tctttgcccg | agccaatagt  | tcgataggac  | gttgtctgat  | cattacttta  | 2300100 |
| tctgattaat  | atcgtatgga | gtttcctgat  | atacataata  | gttcagccag  | ttggagaaca  | 2300160 |
| gcaggttcgc  | cgtactccgc | cagcgtacca  | gcggtccctt  | ttcagggtca  | ttgtcgcggt  | 2300220 |
| aatagttctt  | cggcatgtcg | atgggcagac  | cttttcccaa  | gtcacggcga  | tattccgtat  | 2300280 |
| ccagcgtata  | aggagaatat | tccgaatgac  | cggtcacgta  | aaactcacgt  | ccgccacgag  | 2300340 |
| ccatcacgat  | gtgtacgcct | gaatcgctcc  | actcggaat   | gatggtcagc  | tcaggatggt  | 2300400 |
| tctcgatgtc  | tgacggcgcc | acctccgtat  | ggcggctatg  | aggcacaaaag | aacacatcat  | 2300460 |
| cgaagccgcg  | gaagataggc | agcttgctca  | tgccctcgca  | gatatgatgt  | tcgaagatac  | 2300520 |
| cgaacatctt  | cttgtcgagc | ggatatttgg  | gaatcccgtc  | gtgatgatac  | agtcccgcct  | 2300580 |
| gtgccgcccc  | gcagatatag | agcgtagaag  | tgacgtgcgt  | ccgcgtccag  | tcgaatatct  | 2300640 |
| cctgaatctc  | gccccaatag | ttcacctcct  | cgaatcgag   | gtgttccacc  | ggcgcaccgg  | 2300700 |
| taatgatcat  | tccatcaaat | ttctcatctc  | gcatcaattc  | gaaatcgcg   | taaaacgcct  | 2300760 |
| tcatgtgttc  | gatgggcgta | ttcttcgaag  | tatggctttt  | cagcttcatg  | aaactgacct  | 2300820 |
| caatctgcaa  | cggtaggtta | gacaacaggc  | ggatcaagtc  | ggtttcggta  | gttattttca  | 2300880 |
| gcggcatcaa  | gttgaggatg | acaattttca  | gcggacgaat  | atcctgcgta  | ctggcgcggg  | 2300940 |
| aattgtcgat  | aacgaaaatg | ttttcttcct  | tcagtaagtc  | gatagccgga  | agtttgtctg  | 2301000 |
| gtaaaattaag | tggcatttct | ttatgaatta  | attgcaagtg  | caaaattagg  | aaataaaaaat | 2301060 |
| aaaatctccc  | ttattctttc | accggaaaga  | ctatgagagc  | gaacagatta  | tttgtacaag  | 2301120 |
| accaacagtg  | cacaaacaat | catacccgga  | tacatctcat  | atgtacatgc  | cagaaataaa  | 2301180 |
| aacaatatatt | acttttgtat | tcatttttcc  | ctttctttgt  | ataagatacc  | tatcaagatt  | 2301240 |
| gatattcagt  | ttattgcctt | gtaagaataa  | cctttcaaaa  | aaaacagact  | atggacgcaa  | 2301300 |
| agaaaaaata  | tctgtcacgg | ttacaagccc  | ggcttttgcg  | gctgcttgtt  | accttgtttg  | 2301360 |
| cgacaacctt  | tgtgtatact | caatattcga  | acgattccat  | tgtagtagat  | acattggcct  | 2301420 |

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| cggtgaacc   | tgtttacgat | tggaggaaag | tggacaaaa  | gccagagttt  | ccaggaggag | 2301480 |
| aagaagcatt  | attaatggat | tatctattat | gcccctcgac | tctatataac  | aataattata | 2301540 |
| ctctcttcgc  | agcacaaacg | aacgctcaca | agcttgcata | tattgaaaaa  | ttttacgaat | 2301600 |
| attgcacata  | agtttgccga | taacctaata | tataagccta | aactaaaaaa  | atctataaac | 2301660 |
| ctaagtatct  | atacagctac | ttatacaata | ttaagattca | atgaaaaacc  | ttctgttcat | 2301720 |
| atccttaagt  | tgctgacct  | ttacagccta | cggtcagacc | agagaatttg  | ccaacaccat | 2301780 |
| caaagtagaa  | gattccgatt | cgaaggaagt | aatcctagaa | aaagcagcac  | atgtcgtccc | 2301840 |
| cacagccaat  | cagttgcgtt | cgctggaaaa | cgagttcatt | gctttcgttc  | atcttggtcc | 2301900 |
| caatacattt  | acccgcatgg | aatggggaac | cggcaaggaa | gatccgaaaa  | tcttcgacct | 2301960 |
| gaagcagctg  | gataccgacc | aatggtgtga | agccatgaaa | gccgccggaa  | tgaaaatggt | 2302020 |
| aatactgaca  | gtgaagcatc | acgacggctt | tgtactatgg | cagagccgct  | ataccaagca | 2302080 |
| cggcattatg  | tctaccgact | tccagaacgg | aaaaggagat | attctgaaat  | cgctgtcggc | 2302140 |
| ttcctgtaag  | aaatacggac | tgaaactggg | tgtatatctg | tcaccagcag  | atgtgtacca | 2302200 |
| gattgaaagc  | cccgcagcat | tgtacggcaa | cctgagtaag | tatacgatgc  | gtaccattcc | 2302260 |
| gcgtcccgct  | aaaggccgcc | ccttcaaaaa | cgagaccact | ttccagttca  | tgctggacga | 2302320 |
| ttataacgag  | tatttcatga | atcagttgtt | cgaaatcctt | acggaatacg  | gcgacataca | 2302380 |
| agaagtatgg  | ttcgacggag | cccatcccaa | gcgcaaagga | ggacaacgct  | acaactatgc | 2302440 |
| cgcattgaaa  | cagttgatca | aagccgtagc | tccaatgct  | tctgtattcg  | gacgggaaga | 2302500 |
| tattcgctgg  | tgcggaatg  | aaggtggcaa | aaccgagat  | acggaatgga  | acgtgattac | 2302560 |
| ctatccggaa  | aatcctgata | ctacatctta | ttttcccgat | ttgactgaca  | aggatttagg | 2302620 |
| tagccgcgaa  | gtcctataca | aaggcgatta | cctgcattat | cagcaggcag  | aaaccaatac | 2302680 |
| ctctatccgc  | gaaggatggt | tctaccgtga | cgatacacag | caaaaaggtaa | gaagtgccga | 2302740 |
| cgatgtattc  | gacatctacg | aacgtgccgt | gggtggcaac | tcgactttcc  | tcctgaacat | 2302800 |
| accgcctaac  | cgggacggac | gtttctccga | cagggacgtg | gcaacgctga  | aggaagtggg | 2302860 |
| ccagcgcata  | cgtgaaacat | acggtgtaga | cttggtgaag | ggcgcaagcg  | gtccggcaga | 2302920 |
| ggttctggat  | gacgataaaa | ataccttcac | gacagttgcc | tgcgagacaa  | aaataaccct | 2302980 |
| tacaactccc  | tctcccatca | ccttcaaccg | tcttgtgctt | caagaagcca  | tcgccctgag | 2303040 |
| aggagaacgc  | gtagaagaac | acgtggtaga | agcatggata | gaccgcaa    | ggaaagagat | 2303100 |
| agcatgcggc  | accaacattg | gctacaagcg | tattctccgt | ttcccgatg   | taacgaccaa | 2303160 |
| caagattcgg  | gttcgtttca | cacagacacg | tctggatgca | gccatcagca  | aaatatctgc | 2303220 |
| ccactactac  | cattcacgtc | cgccacagct | gtcggcacac | cgtgatgcaa  | acggcatggt | 2303280 |
| taccattgaa  | cccttgcgac | aggaattcaa | ctggaaccgc | aacggcgaga  | acagtgcaga | 2303340 |
| caacctgaat  | gcaggctata | ccatttacta | tacactggac | ggcacagaac  | ctaccgcctc | 2303400 |
| atcgaagggt  | tatacaggac | cgttctttgc | agataaccaa | gaagtaactg  | ccgtttctgt | 2303460 |
| actgaatgac  | caaaaaggcg | ctgtatgcaa | ggaacagttc | ggatatgtca  | agaaagactg | 2303520 |
| gaaagtagta  | cacgcaggca | gtgaagacgg | cgagcatcag | gcagcgtttg  | ccatcgatga | 2303580 |
| agatccggct  | acttactggc | agacagctcc | ggcagcaacc | gaccaaagtc  | tgaccatcga | 2303640 |
| catgggtagt  | gtgaagtcca | tcaaaggatt | tgcttatact | cctcagaaaag | tcaatcagga | 2303700 |
| aggtagtgtt  | gagcgtggta | cgatatgggt | aagtacagat | aaccagaaat  | gggaaaaagc | 2303760 |
| ggatgatttc  | atgtttggca | acctgatcaa | tgaccctgta | aaacgttacc  | attacttcaa | 2303820 |
| atcgaagtg   | aaagcccgt  | atgtaaagat | cgaaatggct | gaatctgcca  | atcggtcgaa | 2303880 |
| gtatgcttca  | attgccgaac | tggatattct | gtaaaccgaa | agtgatagca  | tagagaaaat | 2303940 |
| tcatactaaa  | aagaaccctg | ccatttctcc | tactatggaa | agaaatggca  | gggttttaca | 2304000 |
| cttttcttca  | tctgacggat | ataattgcca | ttattagtta | taatattgac  | tgagggaaat | 2304060 |
| tcgtctatgg  | atattaactg | taatacttta | agttgatttt | ttcagctgta  | actgtttata | 2304120 |
| aataagtacc  | tatgaaagca | atacaaaact | gcttacagaa | aatagttatc  | tataaaatat | 2304180 |
| attcttttaga | aaagcaaaaa | atggaatata | atgacaatga | agtatataat  | cacataggag | 2304240 |
| taggtttttt  | gattgtattc | tcatatatag | tagttatatt | gcttttttta  | tccgtacgat | 2304300 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
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| cggctaagta  | ttttttcgta  | aaacgcttaa  | aacaaaaaaa | atatgttcag  | gcaattcacg  | 2304420 |
| aagaatattt  | acaaatggat  | ctaaataaaa  | gaaaggaaaa | ctataaaatt  | ggattatatt  | 2304480 |
| acgttatatt  | tgttatttta  | tttcctctat  | tcagcatact | agctatggaa  | ttaatagagt  | 2304540 |
| ttattacgga  | taattgattg  | aagtgcata   | aaattgtcat | gtacaacact  | ttgcaaggag  | 2304600 |
| cacttttctt  | ctgaaaatta  | atagatacca  | accgtgtaac | ctccgaacga  | ataataactc  | 2304660 |
| ttactacagt  | tttttgacta  | gtcctaaata  | accgttacag | ttattggaca  | aaaataaatt  | 2304720 |
| atztatcaca  | gttcagcaag  | gtcagtcctg  | ctgaactggt | tgtttttgta  | acttttaatc  | 2304780 |
| ttaatcagct  | tctgatgatg  | catatactcc  | ggcgttttat | acccacaaga  | gtaatgaggt  | 2304840 |
| ctgatgttat  | tatacttgta  | gacagcatcc  | cttattacct | gtttcatatc  | tgatagcggg  | 2304900 |
| agattaagtt  | cctcaagcag  | gaactcctgt  | tttagtattc | cgttttattcg | ttctgccacg  | 2304960 |
| gcattagcgt  | acggatcgta  | agattcagtc  | atgctgggta | tgatgtgata  | ttgtcccagt  | 2305020 |
| aattttctgat | atgcatcgga  | acagtactgt  | ataccacggg | cagagtgggtg | tatcaatggc  | 2305080 |
| gtgtccctat  | acagtcgggt  | gcggtttgcc  | atcctcagcg | cgttcaaaga  | accttgagtg  | 2305140 |
| tccaaggaat  | cggaaagatc  | atatcccata  | atcttcttgg | aataagcatc  | tgtaaccaga  | 2305200 |
| gaaagataca  | tatgccgggt  | tctattgcca  | atataagtaa | tatcagaaac  | ccatattttct | 2305260 |
| tccgggcggtg | tcgcttccat  | actttctaca  | agattcctgt | gcttccgaaa  | ccgggtgatgc | 2305320 |
| gagttgggtg  | ttacatgata  | tgaacgtacg  | ggctttataa | gcagacgggt  | ggcacggagt  | 2305380 |
| atatcgaaca  | gtttgtccct  | gcctaccttg  | ttctccttaa | gtggctgatg  | aagcatatga  | 2305440 |
| taaagtttgc  | gggttcctac  | acgtggcagt  | tccattcgga | tatctcgtac  | catgcccaca  | 2305500 |
| acatcagtg   | ccctttgccg  | gcctcggatt  | atcttccatt | gctgacggta  | atattttctgc | 2305560 |
| ctgcttatcc  | cgagcagtcg  | gcagattccg  | ctgatactta | cggatttttc  | ttctttatat  | 2305620 |
| ttattgactg  | ttcggggagag | gagttttttc  | gtatgtcgat | atttatattcc | ttttccgcta  | 2305680 |
| tgtctatcat  | catgtcga    | aactctgctt  | tcatatcctt | cagctcaagc  | tcctttttcca | 2305740 |
| gacgggcatt  | cttgcggttc  | aggaacctta  | ctttctgttg | tagttctaac  | agttttttgat | 2305800 |
| ccttactctt  | ttccatagaa  | tggtaacatt  | tgtttgtgat | atcaaagtta  | ccatattttt  | 2305860 |
| caatccaacg  | gctaataagt  | gaacatcctt  | gtatcccata | ttttcgtttc  | agcgctccca  | 2305920 |
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| ttacactggt  | agcaaactta  | ttatactgaa  | aagctgtaac | attattcatg  | tctatactat  | 2306220 |
| aaatataatcc | ctcatctgat  | gtaactatca  | aataaggaga | ttctatttga  | taatccttca  | 2306280 |
| caccaatata  | tcctattttc  | tcacctatta  | cagatatata | agctgcatga  | taactttgta  | 2306340 |
| acttttcaat  | attcaactct  | gccatagaag  | gaggcaaata | atcctcctta  | tcacacgaaa  | 2306400 |
| caaaaaataac | agacagacaa  | cacaccgctg  | ccattagaac | atactttcta  | aaattcataa  | 2306460 |
| caaaagctta  | ttttaattaa  | tttggggcac  | aaaattaact | ttataaaactt | tacagaagca  | 2306520 |
| cgttttctatc | tgttttttta  | ttctttttcg  | tcaatttgga | agccatctat  | agaagaatta  | 2306580 |
| taactcaata  | aaaagaaaat  | acatctcttc  | tatgtacaag | aagcccaaag  | agcaaatatt  | 2306640 |
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| ttataatgta  | gataggagga  | gtgccttcat  | acgtcatcgt | tacttcttca  | ttcgaataat  | 2306760 |
| tcaagaaaat  | cttgtaattt  | ccttcatcca  | cccataaga  | ggaattggaa  | gtgtttctga  | 2306820 |
| tttcataagt  | tattttattg  | gctgtttcct  | tatagtattc | gaatcttcct  | cccgaataaa  | 2306880 |
| atttgagtac  | ttcatattgg  | gaacccgatg  | tatccaatgc | acgtttccaa  | gtagtattta  | 2306940 |
| caaagaaatt  | ctcaaccgac  | tcatcgtcct  | tgcaagagct | aagacataaa  | atcaaagcaa  | 2307000 |
| aaaagaataa  | gatttttgtt  | ttcatagtat  | ttatatttta | ggtgttcggt  | tataaatctg  | 2307060 |
| attttctatt  | cttaaaactc  | tctgtagaat  | ttatagtaag | ccctatccga  | ttaataaatg  | 2307120 |
| gagcaggaca  | aatatagtaa  | gctattttcac | caaagtaata | tttcacatac  | gactgtaaac  | 2307180 |

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| aagtatatca  | atttgctaca | aggttcacaa | ggttttaccaa | atatagcgaa   | aaaagtaata  | 2307300 |
| taaactcaga  | atatgccaaa | atttttcctt | atttctgatt  | ttacttatta   | aaaccatctt  | 2307360 |
| tttactttta  | caaaatcgat | atagccatcc | acaaaaaaga  | aaagccactg   | gaaatgtacg  | 2307420 |
| tctccaatag  | cttttctaac | tttataaact | caggtagttc  | gaacccatgt   | atgttacaaa  | 2307480 |
| ctatccttta  | tcattatttt | tcaatgcttc | tttcttgttt  | tgatgattga   | agtaaatacac | 2307540 |
| accgaccatg  | gctataaccg | acacaagtac | tgacatgac   | ttacaagcca   | taagcctgaa  | 2307600 |
| agtagtggtta | atactatggc | aatagacaca | actgagaaca  | aattatagct   | gtttttacaac | 2307660 |
| cgatttttgt  | aaatgcttgc | catcagcttc | tggtactgat  | tctccagctc   | catgtaagcc  | 2307720 |
| tgcaagttac  | gatatacgtt | gtcggcttcc | gtataataat  | cgataataga   | aagttgtcct  | 2307780 |
| gcggcaacgg  | cttctttcag | catgtccagc | gtttgatgca  | tcagttccac   | gtcgtatgcc  | 2307840 |
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| tgcaagcgag  | cattatccaa | ctgatactgg | gcaactgatag | cttgtgcacg   | ggctatctgg  | 2307960 |
| tgttcttcc   | tattcgaaaa | gatcggtaaa | cttcctccga  | taaggaaacc   | gttgctcttt  | 2308020 |
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| cttactactga | tgttcttctc | ggcagcacgt | gcggcggcat  | cggcagccaa   | tagcgtggca  | 2308140 |
| tcggtagtca  | tcacctcatc | gtacaaggcg | ttatagtcct  | tcagtgcctc   | tacctgcgga  | 2308200 |
| taatcacgtg  | aggtaaagtc | caccggaaga | ttgccgttca  | tggcgagcaa   | ctgctgtaag  | 2308260 |
| gcagtacgat  | gagccgcatt | gttctgcgaa | acttctgtct  | gcacactcat   | ccgctccatc  | 2308320 |
| ttgattttat  | tgacttccag | tatgccggca | tccccttctt  | ccagtcgttt   | ttcgaacaag  | 2308380 |
| gcaagcagtt  | cgtcggcatt | ctttttccgt | tcttccagca  | gaccttgctg   | tttgttcagc  | 2308440 |
| attacaagat  | ccaagcagag | attcttggca | ttcagcagta  | tactgcgacg   | ggtggcctcg  | 2308500 |
| tactgacggt  | gaagggcctc | acgctgcaac | tttcccgaac  | gactgcgtgc   | cgcatacaag  | 2308560 |
| gtaggaaagt  | cgaatccttg | tgtcacgacc | agttccgaac  | tcgacatgcc   | ggtgatacct  | 2308620 |
| ctggtataaaa | acggactgta | ttccaccgac | gggtcttcca  | gattgttctg   | tgtctggact  | 2308680 |
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| atctgacgga  | gcacctcgtc | gatgccctgt | gcctgcatgc  | ctgccgtaaa   | gaacaggcat  | 2308800 |
| gcggccaatg  | tgatataggt | atgtttcata | attactgttt  | attagcatct   | gacttcttgc  | 2308860 |
| agttcatcag  | ttcgtatacg | atcggaatga | tgaatgcatt  | caggaaggta   | gaggtaagca  | 2308920 |
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| gcaaggcaag  | cggtatcaag | gccagagcag | acgacaaggc  | ggtcacatcaga | atcgggttca  | 2309040 |
| gacggtcgag  | tgaaccgtgg | ataatgcttt | cacgtactcc  | catgccctgc   | tcgtcgcgca  | 2309100 |
| aggatttgta  | atggctgac  | agcagcatac | cgttacgggt  | agcgataccg   | aacagcgaaa  | 2309160 |
| taaataccgat | gatagctgga | atgctgactt | caccgtggt   | aaacagcagg   | gcgaagacac  | 2309220 |
| cacctatcag  | ggcaagcggc | aggttcaaga | gaatcacgcc  | actctgcgag   | gcgttgcgga  | 2309280 |
| actgtacata  | cagcaacagg | aagatgacca | cgatactcat  | cagcgaagta   | agcagcaagg  | 2309340 |
| tacggctggc  | ggcctgctcg | ctttcaaact | gtccgccgta  | ttcgatgtga   | tagccttcgg  | 2309400 |
| gtagctgtat  | cttttcgttc | acccgtgcct | gaatatcggt  | taccacactg   | cgcaggctcg  | 2309460 |
| gtccgctggg  | attggccgaa | atgacaatct | tacgcttaac  | gttctcacgg   | ttgatggtat  | 2309520 |
| tcgggtcccat | ggacgattcc | acacgtgcta | catagctcag  | cggatatctg   | cgtccctggg  | 2309580 |
| catcgtctat  | catcaggctc | ttgatgtgtt | ccatcgagcc  | acggttgtct   | tctgccgcac  | 2309640 |
| gcaccacgag  | gttgaacgat | tttccattct | cgtatacctg  | agaaaccact   | tcacccgcca  | 2309700 |
| tgttcaccgt  | tacaaactca | ttgaactgtg | ccagtgaat   | gccatacttg   | gcaagcatct  | 2309760 |
| cgcggcgag   | cacaatcttc | agttccggac | gctctacctg  | ctgctccacg   | ttcaggctcg  | 2309820 |
| caataccttc  | cacatcccgt | atcgcatcct | ttatctgggt  | accagagag    | aacatcttgt  | 2309880 |
| tcagatcgtc  | gccgaagagc | ttaatggcga | tgcttgccctg | cgtaccactc   | agcatggcat  | 2309940 |
| cgatacgggtg | actgatgggt | tgcccgat   | cgatgttggc  | tccggtcagt   | accgacaact  | 2310000 |
| tacggcgtac  | gtcttccagc | acttccttgt | gtgaacggcc  | atccagttcg   | aacggagctt  | 2310060 |

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|-------------|------------|-------------|------------|------------|------------|---------|
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| gcgctacggg  | ctttatctcg | ggtatagtaa  | gcagcagttc | ttctgcctga | cgaccgattt | 2310180 |
| tatcggattc  | ctccagcgag | atgccgggca  | gcgaactgat | gttgatggta | aacgaacctt | 2310240 |
| cggtgaagga  | cggcaagaag | ctgtgtccca  | aagtaaagaa | cgctcccagt | gcaaccacaa | 2310300 |
| acaaagcgat  | ggtacttcct | aacaccgttt  | tcttatgtcc | taaggcccaa | agcagtccgc | 2310360 |
| gttcgtaatg  | ctttttcagc | catacggcaa  | tgaaggcttc | tttcggtagt | ccgtctttct | 2310420 |
| tgaaatctcc  | tcccagcaga | tagctgcaca  | gtacaggagt | gagtgtcaga | gcgacaatgg | 2310480 |
| tcgaagcaaa  | cagtgcacag | atgaatgcga  | taccagcg   | aaccaacatt | cggccttcca | 2310540 |
| taccgctcag  | gaagaacaaa | ggaacgaaac  | ttacgatgat | aatcagcgta | gagttgagga | 2310600 |
| taggcatacg  | tacctcgctg | gaagcatgaa  | ataccacatc | cagcacgggc | ttgcgctcgc | 2310660 |
| cgacggggag  | catgcggttc | tcacgcagat  | gcttccatac | gttctccaca | tcgacaatgg | 2310720 |
| catcgtctac  | cagtgaaccg | atggcaatgg  | ccatacctcc | caagctcata | gtgttgatgc | 2310780 |
| tgagtcccat  | atagtgcagt | accagaattg  | cgatgaccag | cgacagcgga | agggttacca | 2310840 |
| gtgaaatgat  | ggtgggttcg | gtattggcaa  | ggaacaagaa | gagtacgatg | accacgaaga | 2310900 |
| tggtctccctc | gtaaagagat | tcctgtacgt  | tgccgataga | gctttcgatg | aaacgcgact | 2310960 |
| gacggaagat  | gtcggtagaa | acctttacat  | cggcaggaag | attcttctgt | aagtccttca | 2311020 |
| acgctgcctc  | cagtttctcg | gtcagttcga  | tggttcccg  | attgggctgt | ttggtgacgg | 2311080 |
| tgatcagcac  | ggcgggcttt | cccttttccg  | aagccagtc  | cagcttgggc | tgctgagctc | 2311140 |
| ctatgcgtac  | gtcggctatg | tcttccagcg  | tcaccggagc | accgtcgatt | gtcttgacta | 2311200 |
| ccgagcggtc  | catctggcga | acgtcgtcgg  | tagaaaccac | gccacgcacg | atgtattcgt | 2311260 |
| tgccgtattc  | ataaatcact | ccaccgttgg  | tattctgggt | catgccacgg | gttactgcc  | 2311320 |
| tcacttcacc  | cagtgtcaca | ccgtagtgtc  | tcatgcgttc | gggatgcagc | aatatctgat | 2311380 |
| attccttgat  | gtcacctcct | aatacggcaa  | cctgtgccac | acctccggta | gacagcaggc | 2311440 |
| gcggacggat  | ggtccagtcg | gcaaggggtac | gcaagtcgag | catggaagtg | ctgtcggctg | 2311500 |
| tcagtcccac  | tatcagtagt | tcccccaaaa  | tagacgactg | agggccgagg | gtgggattgc | 2311560 |
| ctacgttgtc  | aggaagcgat | tctcccacgg  | ctgccagctt | ctcgaaaca  | atctgacgcg | 2311620 |
| ccaggtaaat  | gtcggtagcc | cagtcgaact  | ctaccatac  | cacagagaaa | cccgttgtag | 2311680 |
| acgatgaacg  | tacacggcgt | actcccgtgg  | caccgtttac | ggctgtttca | atcgggaagg | 2311740 |
| taactaactg  | ctccacctcc | tcggcagcca  | tgcttccgc  | ttctgtcatc | accaccacgg | 2311800 |
| taggagcggt  | cagatcggga | aacacatcca  | cttcggtagt | aaacgccgta | taggtacctc | 2311860 |
| ctatcagcag  | caagaccgaa | gcgaccagaa  | ccagcaagcg | gttctgcaat | gaaaaatgta | 2311920 |
| tgattttatt  | cagcataata | ctctaataaa  | tgatatccgt | atctgataaa | tactaccgcg | 2311980 |
| atatcaatgg  | ttgtgggtgt | gtgcaggaat  | cgcatgtctg | gcagcagcca | gtttcacgtg | 2312040 |
| catggctcca  | gcggtcacga | ctttctcgcc  | tcccttcagg | cctgaaagga | tttctacacg | 2312100 |
| ggtaccgtcg  | ttcatgccga | gtttcacttc  | ctgcttcttg | tatccttcgg | catctacctg | 2312160 |
| aagggtatacg | aagttcagtc | cctgttcttc  | ggttatagcc | gaaacaggca | gactgatgac | 2312220 |
| tccctgccgt  | tctcccgaca | agagatagac  | ttcgacgaaa | gagcctgcc  | gcatgtcgcc | 2312280 |
| gcggttgtca  | aattcgaaag | ttacgggaat  | atagaacgat | gcgtcgcccg | aggatttacc | 2312340 |
| gtacgagagc  | agacggcctt | tcaggtcgtc  | cagccggtag | accttggtat | cataaggagt | 2312400 |
| ggtgaaattg  | gccgaaacaa | tcgatttcag  | ttcggcataa | taacgctcgg | acacctcagc | 2312460 |
| cttcagttgc  | aggcggcgtg | tctgagtgc   | ggtcagcaaa | ggctgtccca | cggtcacgta | 2312520 |
| atcgcttcc   | tttaccagac | acgacttgac  | gtatcctcct | atcggcgact | tgaccgatac | 2312580 |
| tccctttccg  | tccttgctgg | gcgaaagggc  | ttcgtaaagc | atcgggcat  | tttcataatt | 2312640 |
| ctctttcagc  | aggctgaaat | ctttctgcga  | aacaatctgc | ttgtccacca | gcttggcagc | 2312700 |
| acgttcgtat  | tcacgcttgg | ccgtttcata  | ggcgatacgg | gcacgcttca | cggcatctcc | 2312760 |
| ttcctgaata  | tgctgcgaag | aaaccgtcag  | cagtgtgcga | ccggcaccca | cctgcattcc | 2312820 |
| ctcggtcagc  | ggacgggtaa | aggtcactac  | ccccgacaca | cttgccacaa | cggtagcctc | 2312880 |
| atctccctga  | gccgccagaa | tctgtccgct  | ggtggcaatc | acactccgga | acgtaccggg | 2312940 |

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|             |            |             |            |             |             |         |
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| ctgtacctcc  | tctaccttta | ctccggcagc  | ctttgccttt | tccggagtca  | atataatttc  | 2313000 |
| atcggaaatga | gctgcatgtg | cttccttcgc  | ttcagcctcc | gcttcatgat  | catggtcagt  | 2313060 |
| ttcttcatga  | cctccacaag | ctcccagcat  | acacgctgcc | agagctccca  | tccatatata  | 2313120 |
| acgcttcatt  | tgaatgtaaa | tataattaat  | gtattaaaca | caacgattta  | gctatccgca  | 2313180 |
| ccacaaaggt  | acggatgttc | tgctgcaacc  | gggttgcaag | ttttcataca  | caaattacag  | 2313240 |
| aagcgggggg  | agcgcgcagt | cctgctacct  | gaacaaaata | atgtgcatgc  | agactctcta  | 2313300 |
| catacagcgc  | ccagtcggca | tcagcctcat  | cagccggtag | agccagtaca  | tgcaagtacag | 2313360 |
| gaattaacgg  | ataaagtatg | gaataaaaag  | aataatcggg | agcaatgtcg  | gacaaatgct  | 2313420 |
| ggtcggggcgt | accgcactga | aatgagttta  | cacaagtact | accgcacgaa  | tggcgggtcgg | 2313480 |
| catcatcgct  | atgatgcatg | tttccactgc  | atgtttctgt | gctaccgtac  | gaaaccagat  | 2313540 |
| cggacgacaa  | gcagaatatt | tccgaatgat  | gatggtgcgg | aagtacctgg  | gcaaccagca  | 2313600 |
| tcagcatgca  | gattaccagc | aaaatatagc  | atttaaactt | ccgcttcata  | atccgtttgt  | 2313660 |
| tatttaaatga | ttctaaaatc | aggcttcttc  | atcaccattg | tcttcggcta  | tgggagtcgt  | 2313720 |
| gaccagtacc  | ttgtcgatac | gtgccccatc  | catgtcgacc | acctcgaagg  | taaaccctgt  | 2313780 |
| ccagtcgagt  | gtttcaccgc | tggtagggat  | atgtctgaat | tctttcagga  | tcaatcctcc  | 2313840 |
| caaggatga   | tattccgaag | tttcgaacaa  | gtcgtacgc  | ttgaagtagc  | acaagaagtc  | 2313900 |
| gtacagcgag  | cactgtccgt | ctaccagcca  | gccttccttg | ttcaccgct   | tgatgatata  | 2313960 |
| gggttcctca  | cccggatcgt | ctacgttgcc  | taccagacct | tccagaatat  | cgcgagggt   | 2314020 |
| aatgataccc  | gtacatacac | cgaactcgtc  | acaaaccagt | ccgcgactga  | ttttctgaat  | 2314080 |
| cttcatctgt  | tcaagtacct | tatacacatt  | catgctctcg | tggaagtagg  | ccggctcatg  | 2314140 |
| aatcagcgaa  | gccagcttga | agtcgggttt  | cgacaagtgt | accaccagat  | ccttcagggt  | 2314200 |
| gacgataccc  | ttcacatgat | ccaggtcacc  | gtcggctatc | ggataaaaact | caaacaagtt  | 2314260 |
| ttcgttcacc  | accgctctta | cctcgtcggc  | agtcatgtcc | atatccagcc  | atacaatgtc  | 2314320 |
| acttttgtgc  | gtcatgatgg | agctcacctt  | cagatcgccc | agcaggaata  | cacgctgcat  | 2314380 |
| gatgtcattc  | tctaccgggt | gaacctctcc  | ttcttcgggt | ccctcctcaa  | tgatagactt  | 2314440 |
| gatttcctcc  | tcggtcacct | tggtgtcagc  | ttccttgata | ttcagcagat  | tgaaaataag  | 2314500 |
| ttccgtactc  | ttggaaagca | accatacgaa  | cggcaaggcg | atagtagcaa  | gtaccctcat  | 2314560 |
| aggacgagcc  | atcaccttgg | cagccttctc  | ggccacgctc | ataccgatac  | gtttcgggtac | 2314620 |
| cagttctccg  | aaaataatcg | tcaggtaatg  | tactatcaca | acgatgacac  | cctgagccag  | 2314680 |
| tgacgaggcg  | taagtagtag | aaacgcccc   | cgaaatcatg | gtttcgggtca | ggtcggaagc  | 2314740 |
| aatccgattg  | cccgaataga | taccggtcaa  | aataccaatc | agggtaattc  | cgatttgtac  | 2314800 |
| agtagaaaga  | aagcgatcgg | ggtcattagc  | cagtttcaaa | gcgacctttg  | cagacttgct  | 2314860 |
| acccttcttc  | gcatcagaag | aaagccgaga  | tttacgagct | gatattaatg  | ctacctcgga  | 2314920 |
| catagcgaag  | ataccgttaa | gtactatcaa  | cccgataatt | atgattatct  | catccatata  | 2314980 |
| aaaaaaactgt | gtttgcctga | caaatataac  | ggaatgttcc | atgactataa  | aagataattt  | 2315040 |
| atacaattaa  | acagttttta | caaaaaaacc  | ttatcagagg | ttataatccg  | tacattttgc  | 2315100 |
| tctcaaacag  | aatacatttc | tgtaaatact  | gctagctttt | tccaccagtt  | tacgatgatt  | 2315160 |
| gagccttccg  | atttttgcct | gccgctacat  | ttctaagcgt | aaaatcccta  | tctttggcgc  | 2315220 |
| aaaaatcgaa  | aaaatggata | cagaataact  | aaattacttt | gaagaaaaat  | tgacgagga   | 2315280 |
| gctgctgcgc  | ctgtgcacca | attacggcgt  | actgggcggc | actctgctag  | caaccgacga  | 2315340 |
| tattgatgcc  | cgctggaacg | acctggcacc  | cgaatacatg | gccgatgccg  | tacagcagat  | 2315400 |
| acgcgactat  | cccatcgat  | cgggtggcgtg | ggctgcttat | ctgggactgg  | ctgttgccgc  | 2315460 |
| tgaatgggat  | gacgactggg | gcagctatgc  | acaggctcct | taccactcgt  | actacggcga  | 2315520 |
| acaggcggtc  | gacgacatgg | atgaacacat  | cgtaacgac  | tttctggagc  | tgccgctcga  | 2315580 |
| cggcgaagag  | gcggaacaac | tggccaacat  | catccgcgcg | tgccgacaaa  | ctaccgtagg  | 2315640 |
| catgatacgc  | cacgaacaga | tcgagccgca  | aagcccgctg | gctttccaca  | tctttgcccg  | 2315700 |
| tgccctgccgt | gcgatgttcc | gcacgggtgc  | cgccatcgag | ctgaaacgct  | tgggatacaa  | 2315760 |
| gttcgagaaa  | gtagaattag | gacggaattt  | gaacgagttg | ccctcttaaa  | ttcttccttt  | 2315820 |



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| gcggataaaa | gttacatctc  | cccgtgagat | aaacgccggc  | atccagttgc  | cttcgtcgaa  | 2315940 |
| aagcatctgc | aaccgcgcac  | tgatcatcaa | tgcccttgcc  | aaagggaaact | gtcatccggg  | 2316000 |
| aaacctgtcc | gactgtgacg  | atacgcgcgt | catggtacag  | gccttgacgc  | aactgcctcc  | 2316060 |
| catcatcgac | atcatggcgg  | caggtacggc | catgcgcttt  | ctgacggctt  | tcctcgccgt  | 2316120 |
| aagcgaaggt | acacacatca  | ttaccggtag | ccagcgcgtg  | cagcagcgtc  | ccatcagcat  | 2316180 |
| tctggtgaac | gctctacgtg  | ccttaggagc | cgacgtggaa  | tataccggca  | acgagggttt  | 2316240 |
| cccaccgctg | cggattacgg  | gacgcaagct | ggtgaacagc  | gaagtgcctt  | tgcccggaaa  | 2316300 |
| cgtcagttca | caatacatct  | ctgccctgct | gatgataggt  | ccggtcctga  | agaacggact  | 2316360 |
| gaagctcacg | ctgacgggag  | aaatcgatc  | gcgtccgtac  | atcgacctta  | ccctgaaact  | 2316420 |
| gatgcacgac | ttcgggtgcct | gcgtaacatg | gacagccgaa  | aatcagctgg  | aagtaaagcc  | 2316480 |
| tcagccttac | cgagcagtag  | cttattacgt | agaaagcgac  | tggagcgcgg  | cttcatactg  | 2316540 |
| gtatgagatc | tgcgcgctgt  | cggaaaaagc | gactgtctgc  | ctgccgggac  | tggtccaaga  | 2316600 |
| gagcccgcaa | ggcgactcgg  | aagtggcacg | tctgttcgag  | cagctgggtg  | tggaaccgt   | 2316660 |
| ttacggcaaa | cgagaagtaa  | ctctccgcaa | gacggaaaag  | gtgacagccc  | gcatggagta  | 2316720 |
| cgatttcgtc | aaccagccgg  | atctggcaca | gacgttcgtg  | gtaacttgtg  | cgggtgatggg | 2316780 |
| tattccgttc | cgcttctccg  | gcctgcaaag | cctgaagatc  | aaggaaaccg  | accgcatcgc  | 2316840 |
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| cctgtcgtgg | gacggtacac  | gctgcactcc | cgaggccgtt  | ccctgcatcg  | atacttacga  | 2316960 |
| agaccaccgc | atggccatgg  | catttgcccc | tgccctgcatc | cggttgggag  | atttgtacat  | 2317020 |
| caaccatccg | caggtcgtaa  | ccaaatcata | ccgcactac   | tgggagaacc  | tgatacaggc  | 2317080 |
| gggatttaat | atcacagagg  | aggaataaat | catcatgtgg  | atactgatcg  | tcatactggc  | 2317140 |
| aggagtcac  | ctgttcggac  | tgattgccgg | ttatttctat  | aaccggaaca  | tacaaaagaa  | 2317200 |
| aatagaccgt | ggagagctga  | aggaagctcc | tcccgtagta  | acggtggaca  | gtgaatgctg  | 2317260 |
| cggacagcat | cagatttgtg  | aaaaggaaag | tctgtctggc  | gccgtgagca  | aacagataga  | 2317320 |
| atattacgac | gacgaggaac  | tggaccgttt | caagggccgt  | ccttccgacg  | gctattcgga  | 2317380 |
| agaggaaatt | gaagagttcc  | gcgacattct | gtactccatg  | caggaagtcg  | acgtggcagg  | 2317440 |
| atggagccgg | agcctgcaac  | tccgcggcat | cgaactgcc   | gacgaactga  | aagacgagct  | 2317500 |
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| cgaatacaac | tatcatggat  | atattagaac | tggtgcaata  | tacttttttc  | cagcatgccc  | 2317620 |
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| gccgactggt | attcatcagc  | ggaggcatta | cgcatgcttc  | gtttggtggt  | atcggcacgc  | 2317740 |
| gactttatac | gggtatctct  | cccctgtcca | cggctgctgt  | ctttgcggtg  | ttgtcggcct  | 2317800 |
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| tctggacgtt | cggcatggct  | atcggaatta | tcttcagctt  | tctggctccg  | ggattcactc  | 2317920 |
| ccgacctgtc | gtcgtttctg  | tttggaaca  | tcctgaccat  | cacgcacagc  | gatattctcc  | 2317980 |
| tgctgggtat | cctgagtgtg  | ttgctgattg | cattcttctc  | gctgttcctg  | cgtcccatcg  | 2318040 |
| tggccatcgc | tttcgaccgt  | gagttcgcac | gttcgcagca  | cctgcccgtg  | gctactttcg  | 2318100 |
| agtacctgct | catgatgttc  | atcgccctga | ccatcgtgtc  | gtgcctgcgc  | atggtaggta  | 2318160 |
| tcgtgcttgc | catctcgctg  | ctcactctgc | cgcagatgac  | cgccaacctg  | tttaccaacc  | 2318220 |
| gtttcaagaa | catcatctgg  | ttgtccatcg | gcacgggcta  | tgtcagttgc  | ctgggcggac  | 2318280 |
| tgctgttctc | gtacaaatat  | cagattcctt | cgggagctgc  | catcatcttt  | gtttcgattc  | 2318340 |
| tgatatacgt | tgtagcaaaa  | atcagccggc | agttccgtaa  | acaggaataa  | ttattcccgga | 2318400 |
| tttttactta | cttttgacgt  | aattcaaaaa | acagatactt  | atggaaataa  | aaattacttc  | 2318460 |
| tctcgaccat | atccacgagg  | ctgccaaga  | atttatcgca  | gccatgggcg  | acaataaccgt | 2318520 |
| ttttgctttc | tacggaaaga  | tgggagccgg | caagacgact  | ttcaccaaag  | ctatatgcga  | 2318580 |
| agaactggga | gtgactgatg  | tcatcaactc | gccgacattc  | gccatcgtca  | acgaataaccg | 2318640 |
| ctccgatact | accggcgaac  | tgatttatca | cttcgacttt  | tatcgtatca  | agaagctgga  | 2318700 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| atggccggaa  | ctgatagaag  | acctgctgcc  | gggcaatgcc  | gtaaagggtat | acattgagga  | 2318820 |
| aaacgaagac  | ggaagccgta  | cgggccgctt  | cgacgcagaa  | gaataatccc  | aagccatggc  | 2318880 |
| tacacattac  | gttatacagg  | ccatattcgt  | catcgtaggg  | ctgctggctg  | tgctggccgc  | 2318940 |
| cttgttcaac  | tgggactggg  | tctttaccgc  | ccgcaacacg  | cagttcatcg  | ttgccaatgc  | 2319000 |
| gggaagaacg  | cgtgcacgcc  | tggtctatgc  | cgccatcggc  | ctgctgatga  | ttgccacagg  | 2319060 |
| agtattcttc  | ttcctgtcta  | ttcagggata  | tgtttgataa  | aaacggatat  | agggagaacg  | 2319120 |
| tcgaaggttc  | tccctcagaa  | tcgaccgaaa  | atttatacaa  | attttcggtt  | tttttacaaa  | 2319180 |
| aacaaaaaat  | gtcgagaggc  | ttttcagaaa  | ggataaacga  | ctattcttcc  | aatgtatagg  | 2319240 |
| tttcatcgta  | aatatctctc  | aggttcctgc  | cgtcgaataa  | ccaatatccg  | gtaggctgaa  | 2319300 |
| ctgcatgagt  | aatattcaac  | agcttttttag | ttactcccgt  | caaagagtaa  | acctcccctt  | 2319360 |
| ggaacatgac  | ttttttctca  | tctacgatag  | ttacaattac  | cgaagggtcc  | ttaacaaata  | 2319420 |
| ccaacgtatc  | tcctttcttc  | attcccattc  | caaaataatt  | aagaggcgga  | cgacgagaag  | 2319480 |
| aatgtatctt  | ctcggaagct  | gatttatctt  | cggttgtcaa  | gtcattatct  | atcttctcag  | 2319540 |
| ttatttcctg  | tgtaacgtct  | tccctattaa  | acaattccaa  | aatagccatt  | gcttgctctg  | 2319600 |
| gctttatttg  | aaaaaattca  | cgatttatat  | tgatacgatt  | aggagcaaaa  | gccgtgtgta  | 2319660 |
| aagctttttc  | aatttttagca | cagtcggaag  | cctttacttt  | acatgcatat  | ttacactcga  | 2319720 |
| acggtactgg  | aacacctgta  | ccatataaatt | cacgcatacg  | agcatccaaa  | ttatctctcg  | 2319780 |
| ttgtcatacc  | tatctttact  | aatcccggca  | tagctggatt  | agtaagtaca  | tagactattc  | 2319840 |
| cgtaatttgc  | ttgtttcgtg  | ttcatcacag  | acatttatgc  | ttatcacttc  | gaatttatca  | 2319900 |
| atattgatac  | gatataattc  | ttattgttgt  | ttgtacaaaa  | gaaccattta  | tcattgcaaa  | 2319960 |
| tatattaatt  | atccatcaca  | aatttctttc  | caacaattca  | ttatccctcc  | caaaacaaaa  | 2320020 |
| aaattgacct  | atattgcttt  | cggatttttcg | tacaacaatc  | tcactcaact  | cactaatata  | 2320080 |
| ctgggggattt | cttcccata   | tctcccgaat  | attcccgaac  | tattccaatt  | gtctttcttt  | 2320140 |
| agagattata  | aagataaact  | actctgttac  | aagggttaaa  | gtttactctt  | ccattattcc  | 2320200 |
| ttacatccgg  | gtacgaactt  | tgtatataat  | tttctataat  | cttatttcct  | tttgttttaa  | 2320260 |
| cctatacagg  | aaacctatct  | gaaaaatatt  | ttaactaaaa  | taaatcctaa  | tcgaatgaaa  | 2320320 |
| aagactattc  | taagtgtatt  | ttctttcttg  | ctgttggttag | gcagcggaact | tccaacatac  | 2320380 |
| gctgctcaag  | ggcttcgtcc  | cgacgggaac  | agtccggaaa  | tggatgacaa  | cttgaaaaag  | 2320440 |
| cagaaaacgg  | tacaagggtat | tgtcacagat  | acaaacggag  | aacctatcat  | cggggtaacg  | 2320500 |
| attatcgaaa  | aagggtacgac | caacggtacg  | acttccgaca  | tggatggaaa  | attctcactg  | 2320560 |
| acggtaaatg  | ccaatgctgt  | tcttactttt  | tcgtatctga  | gttatgtgca  | acaagaaata  | 2320620 |
| ccggtcacgg  | gacagaagtt  | tctgaaggtc  | accatgcgtg  | aggacagtga  | aacgctggag  | 2320680 |
| gaagtgtggg  | taatcggata  | tggtagggcc  | aaacggaata  | acctaacggg  | ggctgtcgga  | 2320740 |
| tcggtaaaca  | gtgaacagtt  | taagatgcag  | cctgtcaaga  | aggcttccga  | aattctgcaa  | 2320800 |
| ggtcgtatgg  | cgggtgtgca  | agcttcgtcg  | tatacaggcg  | gacagctggg  | acaggatgcc  | 2320860 |
| aatatccgtg  | tgagaggagt  | gtcgtccatc  | aacttcggaa  | acgatccgct  | ctgggtgggtc | 2320920 |
| gacggagtga  | tcggaggaag  | cgtgagcaat  | cctgccgaca  | ttgcttccat  | cgaggtagctg | 2320980 |
| aaggacgctt  | catcgacagc  | catctacggg  | tcacgagggtg | ccaacggagt  | catttttagtt | 2321040 |
| accaccaagc  | acggcacgac  | cggtaaggca  | cgtgtggaag  | tgagcagtga  | aataggcatc  | 2321100 |
| tcgaatatgc  | cgaaacgggt  | cgacctgatg  | aatcccttcg  | aatatgcgca  | ggcgttgca   | 2321160 |
| aatatgaccg  | ataccggttt  | ttccgaagag  | gatatggcgg  | ctttccaaaa  | tggtacacgc  | 2321220 |
| ggtgtagatt  | atcaggacct  | tatgctgcag  | acgggtatct  | cgcaggatta  | taagctgagc  | 2321280 |
| atctcgaggag | gaagtaaaaa  | gacgaaatac  | atgggtatctg | gactattcct  | caatcagtcg  | 2321340 |
| ggtatcaccg  | ccgaatcgca  | tttacgccgt  | ttcgggttcc  | gcacgaacct  | cgattcacag  | 2321400 |
| gtcactccct  | ggctgaacat  | cgtgagcaac  | atagaggctt  | ctactgaatc  | gtcgacacac  | 2321460 |
| acgggtgcca  | acttatttgt  | catggcgaac  | tattctccag  | ccatgaacct  | gacggatgcc  | 2321520 |
| gacggagtgt  | accagaagga  | tccatactgt  | tccatctctg  | ccaatccgta  | cggagcactc  | 2321580 |

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|-------------|-------------|-------------|-------------|-------------|------------|---------|
| atggcaaacg  | attccgacgg  | agagaattac  | aacgtaaagg  | gaatggtgga  | tttccgtttc | 2321640 |
| aatatttctg  | acggactgac  | attctcggct  | cagggagcgt  | tcaacttgct  | gaatgcgtcg | 2321700 |
| agttactcct  | tctcgtcga   | caaacgtgaa  | cccagtgcca  | tcagcagcat  | gggcaacagc | 2321760 |
| atgagtcgta  | ccgtaacgta  | ccagcaaacc  | aacaacctga  | cgtaccagaa  | gagtttcggc | 2321820 |
| gaccataatc  | tgacggcaac  | gggtgtgttc  | gaaatttatt  | cgaaggaata  | caagaatgtg | 2321880 |
| ggagtgaagc  | gacaagacct  | gtgtcggaa   | aaaacaggg   | actggaacat  | caaggctacg | 2321940 |
| cagtcgggac  | tgagcggtag  | aaccaactat  | actaaggagc  | agatggtttc  | ggctttcggg | 2322000 |
| cgtataatgt  | acaactacaa  | gaatcgctat  | tacctgaccg  | gaacgatacg  | tgccgacggc | 2322060 |
| tcgtcgaagt  | tcatgaatca  | caaattgggga | tatttcccct  | ctgcagcggc  | tgcatggaac | 2322120 |
| ctcacggaag  | aaggttttat  | gaaggatcag  | aatctgtttc  | agctgctcaa  | gctgagagcc | 2322180 |
| agcttcggtg  | tgaccggaaa  | ccaggcaatc  | aatgcgtacg  | gtaccttggg  | actgatgacg | 2322240 |
| cttgccaatt  | attcgtatgg  | cacgggaagt  | ctttatccgg  | gctattggca  | gaacacgttc | 2322300 |
| tcggcacccg  | acctgacatg  | ggaaaagacg  | tactcgtatg  | atgcgggtat  | cgatatcagc | 2322360 |
| atgctgaacc  | accgcctgaa  | tctgacagtc  | gactggtata  | gaaagaatac  | caaagactta | 2322420 |
| ctatttgcca  | agactattcc  | gtatttcaac  | ggaggaggtt  | cgtactggag  | caacgtagga | 2322480 |
| aagatgtaca  | gcaccggatg  | ggaattttacg | ctggaggccg  | acctgatacg  | caagctgaac | 2322540 |
| tttgaatggg  | cgactacctt  | tacggcatct  | tgctgcata   | cggaagttag  | cgacttggac | 2322600 |
| ggtgaggaac  | agttgattcc  | ggatgccagc  | cggggcgggtc | tgatggaagg  | aagcgtgttc | 2322660 |
| attatgaagg  | aaggattgcc  | tatcagcaat  | ttccacctgt  | tcaaattggct | ggggcttgac | 2322720 |
| gaaaacgggtg | ccaacctata  | ccagaccgcc  | gacggaggta  | caacgacttc  | tccagtggat | 2322780 |
| gccgaccgta  | tcattaccgg  | aaatccgatt  | ccgaagtgga  | acttgggatg  | gaacaataca | 2322840 |
| ttccgctaca  | aaaactggga  | actgaacgtc  | ttcttcagag  | gaagtaccgg  | cttccagcgc | 2322900 |
| ctcaacatca  | ctcgctttgc  | taccagcacc  | atggtgccc   | aaagccgttt  | catcacctca | 2322960 |
| cgcgaaaggat | acgaaaaaag  | ctgggatata  | gtggctaaca  | aagcggatgc  | cgaatttgcc | 2323020 |
| agcagcaaga  | atgcacagaa  | ccgttctacc  | cctcgctcta  | cgcaatggct  | ggaagatgcc | 2323080 |
| gactttgtcc  | gtttgcagaa  | cctcagcctg  | atgtatacgt  | tgccgaaaaa  | gacgacccgc | 2323140 |
| tttgccgaca  | tcacactggg  | cgtgagcgca  | cagaatctgt  | tcacgctgac  | gaaatacaag | 2323200 |
| ggacttgatc  | cggaaatcgtc | tactacttcg  | tcgacctcta  | ccggtgcggg  | gtccgacaag | 2323260 |
| gaactgggac  | tggattacgg  | cagttatcct  | tcggcacgca  | cattcacatt  | taccgttaaa | 2323320 |
| ttaggattct  | aaaatcagac  | tacgcaatta  | tgaaagcact  | tacatacaaa  | atagccgttc | 2323380 |
| tctgcctctc  | ggcgctgact  | acggtttctt  | gcagcgactt  | cctgcaggaa  | gatcccaaag | 2323440 |
| gacagatgac  | gaatttgaa   | tcgtttaccg  | agaaatcgga  | tctggaagg   | tccatccatg | 2323500 |
| cactttatta  | tcaggtaaag  | atggcgagcg  | gatatgtcgg  | catctatgcc  | ccggtactga | 2323560 |
| tgggcgacga  | tatgaccagc  | attatctcaa  | aaagtaattt  | tactgactgg  | gaccagtttg | 2323620 |
| tttcaaacga  | cggcaactcg  | atgatgacga  | gcggcgtggg  | atgctggagc  | tgcatgtgga | 2323680 |
| acgtggtaaa  | ggctgccaat  | tatatcatca  | acggggtagc  | aaagacaccg  | ggagctactg | 2323740 |
| ccgatgatata | caactttg    | attgccgagg  | cgcgtttctg  | gagagcatac  | gcttacttct | 2323800 |
| ggatggtacg  | ctgctgggga  | cctctcccca  | ttatcgaaag  | tttccagctc  | aacgtagatg | 2323860 |
| ctacagcacg  | ttcggaagag  | caggtatacg  | atttcttagt  | gaaggatctg  | aaatttg    | 2323920 |
| aaacgtatct  | gccgacggaa  | tatacgaccg  | aaccgtggaa  | catcaacgga  | atgaatacca | 2323980 |
| tcgctacccg  | ggcagctgca  | caggcggcac  | tagcacaggt  | gtatctcacc  | atggcaggct | 2324040 |
| ggccgctaaa  | caagggtagc  | gaatattata  | agctggcagc  | cgacaaagcc  | aaggaagtga | 2324100 |
| tcgatcaggt  | ggaaaacggc  | acgtacaagt  | accaactgtt  | cgacgagttc  | tggaaagtat | 2324160 |
| attcgcgcca  | gtataacaag  | accaatgcgg  | aaattatcct  | gccagtttat  | ttcaccaaag | 2324220 |
| atttcggtgt  | gggcgatgct  | tcgcaggctg  | cacgcggact  | ggcggagctt  | ccggaagaaa | 2324280 |
| ccggcggatt  | cagcgacatg  | cgtgcggaga  | tcaagttctg  | gaaagaattt  | ccggcaggac | 2324340 |
| cgcgcaagaa  | ggctatcttc  | ggcgatgtat  | attatcacia  | tcaggacaag  | aaagtgggtc | 2324400 |
| cttgggttcta | cgacaacgta  | accaactgca  | acaatccgta  | ctatgtgatg  | tttgcctttg | 2324460 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
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| gcgaacagac  | ggctgccttt  | atccgtctgc  | cggaagtata | tctctggtat  | gccgaggcag  | 2324580 |
| taggacgttc  | gggcagtggc  | gacaagacaa  | aagccatcga | actgctgaac  | gaggtaagac  | 2324640 |
| gccgtgccga  | cggaaaatgg  | aacgacccat  | cgtacaatta | ttatccgtct  | acgctgtcga  | 2324700 |
| acgaggaact  | ggcggaagca  | gcatacaacg  | aacacggatg | ggagattgcc  | ggatactata  | 2324760 |
| aaagcatgac  | tacccgttac  | cacgacgaac  | ggcgcatgaa | ccgtctgaaa  | gaccattttg  | 2324820 |
| cctaccggct  | ggtaaaccg   | gaaatagagg  | ttacggaaca | atggctgaaa  | gaaaaccccg  | 2324880 |
| acaaggcaga  | catggttaagc | ggtccggtat  | acatgaaaga | acgtgtcacc  | atgaccggct  | 2324940 |
| cgtgggacga  | cagcaagatg  | tatgcgcctt  | atccttcgat | agatacctct  | ctctatcctt  | 2325000 |
| ccctgaagcg  | ataacaacat  | cctaagcata  | aaaaaatccg | gtgacgtttt  | ttaaaaacat  | 2325060 |
| caccggattt  | ttcattttatt | acgccgacaa  | atcaatcgac | ttgtcccaat  | gaattttccgt | 2325120 |
| attccatttc  | gccctgaacc  | acgaagaaca  | catcgctcgg | ttcgaaaggt  | cccatgccgt  | 2325180 |
| ctttcttggg  | ctctttgact  | atgtagttaa  | caatttcac  | ctggctgatg  | ttgatgtaac  | 2325240 |
| cctcgtcatc  | aggttgagcg  | tccagacaac  | cactggtggt | ataatagtct  | actatcaagt  | 2325300 |
| cgagaatgta  | atacagatca  | tcgtccgtaa  | acttctcttt | cagttcctga  | ggcaaatagt  | 2325360 |
| tctttataaaa | ctcgatggct  | ttttcatcgt  | cctcatcttc | caacaagaaa  | tcatcatcca  | 2325420 |
| tactcatagt  | cgtagtgcgt  | ttgttaaattg | attatttcaa | taaagcttca  | actttttcct  | 2325480 |
| tcaaggcagc  | ttttgtagta  | gcacctacct  | gcttgtcgac | tactttacca  | tccttgatga  | 2325540 |
| aaagtacggt  | aggaatgtta  | cgtacgccaa  | actgtgcagg | aagatctgcg  | ttgtcgtcta  | 2325600 |
| catcgcaact  | gccgatgttc  | actttatctt  | tatattcttc | tgccagttct  | tcaatataag  | 2325660 |
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| cttcagctac  | aatagcttcg  | taattgtcat  | ctttaatgtt | caatgccata  | attctagtta  | 2325780 |
| tttagttatt  | taattatcta  | cgcaaatata  | tactaattta | ttttatagtc  | caacaatggc  | 2325840 |
| tggcttttta  | aataatttat  | aatgtctttt  | ctgacggata | ttttcagcgt  | acgcgacatg  | 2325900 |
| aggttgacgt  | gcatctgtcc  | gtcctcgtcg  | cggatataga | agaacagctc  | ggcattgccg  | 2325960 |
| ggattttctt  | tcaccagcga  | actgaattcc  | ataatcatct | cgctggtgat  | ggcagagagc  | 2326020 |
| ggtgccgtca  | ccgtaagttt  | ctctatcaag  | cggcttttca | cctcgggcag  | gagttcgatg  | 2326080 |
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| atgaacaaga  | acattccttc  | ggcgaaaaag  | ttcttctttt | ccaccatttc  | attgccaaaa  | 2326200 |
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| accgagaact  | catccagcgg  | atgggcggaa  | agatagatac | ctaccagttc  | acgttcctta  | 2326440 |
| ttcaggcggt  | ccagatcgct  | ccatgccggt  | gcacggacaa | tttcgggggt  | ggcaatctcc  | 2326500 |
| acctcatgct  | cgccgccgaa  | caaggaattg  | gcagcagccg | ccttggtccat | ctgatacttg  | 2326560 |
| tttccgtagc  | gtaccagcac  | ttcgacaaag  | gtttcgtcct | tggcattctt  | cacgaagaaa  | 2326620 |
| tcctcgcggt  | ggatgttcgg  | gaagctgtcg  | aaagcaccgg | ccaaagccag  | gttttcgatg  | 2326680 |
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| ggtccgttct  | tctcccgttc  | tgtcagaatg  | ctttgtaccg | ccgcctcacc  | gactcccttg  | 2326800 |
| atggctccca  | gtccgaaacg  | aatatctccg  | tgacggttga | cagagaactt  | caggctactt  | 2326860 |
| tcgttgacat  | caggctccag  | aacgttgaca  | ccgctgcctt | tgctttcgtc  | catcagcttg  | 2326920 |
| gtgatttcgg  | tgatgttcga  | aatgttacgg  | ctcatggtag | ccgccatgta  | ctccgacgga  | 2326980 |
| tagttggcct  | tcaggttaagc | cgtctgatag  | gcaaccacag | agtagcaggt  | agcgtgcgac  | 2327040 |
| ttgttgaaag  | cgtaggaagc  | aaacttttcc  | cagtcggccc | agatcttttc  | cagaatcttc  | 2327100 |
| gggtcgtgac  | cattcttctt  | tcctccctcg  | atgaacttag | gtttcatgtg  | atccagcttg  | 2327160 |
| tcgctcagct  | tcttaccat   | cgccttacgc  | aaggcatccg | attcgcctcg  | ggtaaaatcg  | 2327220 |
| gcaagcagac  | gcgacagcaa  | catcacctgc  | tcctgatata | ccgtaatacc  | gtatgtatct  | 2327280 |
| ttcagggtatt | tctccatgac  | cgaatatca   | tactcgatag | gcttgcgctc  | ctgcttacgg  | 2327340 |

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| aggtcttcga  | acgtactagg  | ctgaagttcg | cgcaggtact | tctgcatacc  | cgccgattcg  | 2327460 |
| aactggaacg  | taccgatggt  | ccgaccgtcg | ctatacaact | tataggtagc  | cggatcgtca  | 2327520 |
| atcggaattt  | catcgatatt  | cagaatgatg | cctttactct | gcttgatatt  | ctcgagtgcc  | 2327580 |
| tccttgatga  | tggaaagcgt  | cttcagtcgc | aggaagtcca | tcttgatcag  | tcccgtatct  | 2327640 |
| tcgatgaccg  | aaccttcgta  | ttgcgttacc | agcatctttt | cgccggtttc  | cttatcgtcg  | 2327700 |
| gccgtgctga  | ccggtaccca  | gtcggtgata | tcgtcacggc | agataatggt  | accacaggca  | 2327760 |
| tgcacacccg  | tattgcggac  | gttgccctcc | agcatcttgg | catacttgat  | ggtatcgcg   | 2327820 |
| agcaccggat  | cggacgacac  | ttcggccgcc | tgcaactcgg | gcacataagc  | gatagcattc  | 2327880 |
| ggaagattca  | gtttcttatc  | gggaatcttg | tcagggataa | gcttgcacaa  | gcggtcggac  | 2327940 |
| tccgagagcg  | gcagtttctg  | cacacgcgcc | acatccttga | tggcaagctt  | ggtcgccatc  | 2328000 |
| gtaccgtagg  | taatgatgtg  | cgccactttt | tcctgaccgt | acttttcggg  | cacccaattc  | 2328060 |
| aacacacgtc  | ctcgtccgtc  | atcatcgaag | tcgacatcga | tatccggcaa  | agagatacgg  | 2328120 |
| tcgggggttca | ggaaacgctc  | gaacagcaag | tcgtatttga | taggggtcaat | ctgcgtaata  | 2328180 |
| cccagacagt  | aggccactgc  | cgaaccggca | gccgaaccac | gtcccgggtc  | tacagataca  | 2328240 |
| tcgagcagat  | tgcgggcagc  | cgaataaag  | tcctgcacaa | tcaagaagta  | tcccgggaaa  | 2328300 |
| cccatggtct  | tcatgatatg  | caactcgaac | ttgatacgct | ccctcacctc  | atcggtcagg  | 2328360 |
| tgttcgccat  | aacgacggcg  | cgctccgtcg | tatgccagtt | tcgccagata  | atcggcctcc  | 2328420 |
| agcttgatac  | ggtacagttt  | ttcgtaacct | cccagacgtt | cgattttcgc  | ctttgccgcc  | 2328480 |
| gcctcgtcca  | tgacgacgtt  | gccgttttca | tcctgcgtaa | actcatcgaa  | caaatctttc  | 2328540 |
| tcggtgaatt  | tcttgcgata  | ttcctcctcg | gtaccgaaat | cctcgggaat  | ggcaaagggtc | 2328600 |
| ggcatgatcg  | gtgcatggtc  | gatggaatag | aactccacct | gatcgcagat  | gtcgcaggta  | 2328660 |
| ttggtcagcg  | cttcggggcac | atcggcaaaa | atttcgttca | tctcctcacg  | cgtcttcatc  | 2328720 |
| cattcctgct  | tggtatagag  | catacggttc | ggatcgtcca | agtcctttcc  | ggtactcaga  | 2328780 |
| cagatcagac  | ggtcgtgcgc  | ttcggcattc | tcttcgtcca | caaagtgcac  | atcgttcgtg  | 2328840 |
| cagaccagct  | tgatgttgta  | ttttttcgaa | tactccatca | gcttcttggt  | gaccacttcc  | 2328900 |
| tgcaatttat  | aagtttcgtg  | gtttgccgc  | ggcacggtag | ccttggtggc  | ctgaagttcc  | 2328960 |
| agatagaaat  | cgtcgccaaa  | caaattcttg | taccactgaa | tggcctcttc  | cgcctcggca  | 2329020 |
| aactgtcctg  | ccgtaatgcy  | gcgcggaatc | tctccacca  | gacaagccga  | gcagacaatc  | 2329080 |
| agtccttcgt  | gatatttttc  | cagttccacg | cggtcggtac | gcggacgcat  | ataaaaatcct | 2329140 |
| tcggtccatg  | ccttcgatac  | cagcttgatc | aggttatgat | aacctttcag  | gttcttggca  | 2329200 |
| agcaccacca  | ggtgataacc  | gctctggtct | gcctttccct | ctttattcga  | gaggcgacgg  | 2329260 |
| cgtgccacat  | acatttcaca  | accgataatc | ggcttgaaca | gtttcttctt  | ggcagcttcc  | 2329320 |
| agttgctcgc  | ggcattccgc  | cagctctgct | tcggattttt | ccgattcggc  | ttttccgctt  | 2329380 |
| tccagcgcg   | caattttctt  | ctttaaatcc | tttatctcgc | catttggttc  | cccgttcttc  | 2329440 |
| ttgttcacat  | agttgaagaa  | ctcctttatg | ccgaacatgt | ctccatggtc  | ggttacggca  | 2329500 |
| atgcctcgca  | tcccgttggc  | tatcgcttg  | tctaccaaac | ggggaataga  | agcctggcca  | 2329560 |
| tccagaatag  | aatattgggt  | gtggacgtgc | aaatgaacaa | aatcgtgcat  | atttacatta  | 2329620 |
| ttaaaaacag  | agttcaaaga  | taccgaggtt | tcggagaaca | aacaaaaaca  | aacgaataaa  | 2329680 |
| gttattgccg  | atgaataactt | tttagcaaaa | aaatatagaa | agagtcaatt  | ctaacggtac  | 2329740 |
| tttatttggc  | aggtttttta  | aataaatata | tttttgcacg | ataaaatgta  | actttgttat  | 2329800 |
| gaccggatta  | aacaaaatta  | aaaagataaa | gaaaataaga | ctacaccggg  | aagggtactca | 2329860 |
| cattcttata  | accagcgcaa  | ttttattact | cattattaat | actgcattat  | actggggaat  | 2329920 |
| agagtgcaaa  | atacctttct  | acattatagc | tatcgccagc | atcattctct  | atctgctgat  | 2329980 |
| ggtgaatttc  | ttccgttgct  | cgatccgtct | cttcggtggt | gatacagaaa  | agattgttgt  | 2330040 |
| tgctccggcc  | gacggacgtg  | ttgtcgtcat | cgaggaagtg | gatgagcatg  | aatattttcca | 2330100 |
| cgaccgccga  | ctgatgattt  | ccatttttat | ggatattacg | aacgttcatg  | ccaactggta  | 2330160 |
| tccggtagat  | ggcgtgattc  | gtcacgtaga | tcatcacaac | ggacgtttca  | tgaaagcgtg  | 2330220 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| gctgcctaaa  | gcaagtacgg  | aaaacgaacg  | ttcaatgggt | gtcatcgata  | ctccggaagg  | 2330280 |
| acatacggtc  | atggcacgtc  | agattgccgg  | tgctgtagca | cgccgcatcg  | taacctatgc  | 2330340 |
| agaaaaagga  | gaagactggt  | acatagacga  | acacatggga | ttcatcaa    | ttggttcgcg  | 2330400 |
| tgtggatgta  | tacttgctt   | taggtacgga  | agtttgtgta | aaaatgggac  | agaaaacgac  | 2330460 |
| gggtaaccag  | actgtcatcg  | caaaattaat  | gtaatgaatg | taaggaggaa  | cagagatatg  | 2330520 |
| gctaatagcaa | tcgtccgtaa  | tattccaaat  | acattgacca | gctgtaacct  | gttttcggga  | 2330580 |
| tgtattgcag  | cttatatggc  | ttttcagggg  | aagtatgaat | gggccttgac  | gttcatcggt  | 2330640 |
| atcggtgccg  | tattcgactt  | tttcgatggc  | atgacggctc | gtttgcttcg  | cgtttcctcc  | 2330700 |
| cctatcggca  | aagaacttga  | ctcactggca  | gatgatatta | ccttcggact  | ggctccggct  | 2330760 |
| gctgtggctt  | tttcgttggt  | caaggagggtg | cattatccgg | atttcctgat  | gccgctgtcc  | 2330820 |
| ggcttgatgc  | cttacacggc  | ttttctgata  | gctgtattct | cgggactgcg  | actggcaaaag | 2330880 |
| ttcaacatcg  | acgaacgaca  | gaccagttct  | ttcatcggga | tgccctacccc | tgccaatgct  | 2330940 |
| ctgttctggg  | gttctctggc  | tgtaggcgga  | catgcttttc | tggtatccga  | cagctttaat  | 2331000 |
| gcaatctacc  | tgttcatact  | ggttcttgct  | atgtcactgt | tgctgggttg  | cgaacttccg  | 2331060 |
| atgttttctt  | ttaaagttcaa | ggatttatcg  | tggaacata  | acaaagtaag  | ctacatcttc  | 2331120 |
| ctgattgtca  | gcattccgct  | gctgataatc  | ttccagttga | gcggcattgc  | ggcactcatc  | 2331180 |
| gtgtggtaca  | tccttctctc  | gctgggtgact | cgtaaaaaat | cataaaacaa  | taatcgtggc  | 2331240 |
| acggttggtg  | ttctttaact  | cttaaaaaca  | ataactatgt | ttcatattct  | aggatttata  | 2331300 |
| tttttcttcg  | ttctgattat  | ctttgtcatc  | ggactggcca | tactttccaa  | aattattcgt  | 2331360 |
| agcgtatttg  | gcctgggacg  | ccgcatgaca  | ggaagttcct | cgtcacaaag  | tcattcgcaa  | 2331420 |
| aaccagcgca  | attcttcttc  | cagttatcgt  | tcttcgggca | acgacgaatc  | acagcagcct  | 2331480 |
| gcccgggaatg | cttcaggccg  | gaaaaagatt  | ttcgacagcg | atgaagggtga | atatgttgac  | 2331540 |
| tttgagggaag | taaaagaatc  | ttaatcatcc  | aatcgtcaca | attgacacac  | aaaagggttac | 2331600 |
| ttcaaatgtg  | aaaaatgagg  | atgtgactcg  | gtaacctaaa | gctataaata  | taagaaattt  | 2331660 |
| cctacttttg  | cttatttggt  | taatgagaag  | accaaagcag | aagattttta  | ttttcaaatc  | 2331720 |
| cgcaacaata  | cattgatcaa  | caagtgatag  | acaaattctc | cagtgaactt  | attcaataag  | 2331780 |
| aacaatgctg  | ataatcattt  | ataatgttta  | tttgacacta | aaacaaaatt  | tctactatcg  | 2331840 |
| ccattctacc  | ttgaggggacc | gtttaatcat  | atcgaataaa | acaaaaaaat  | aatgtttatc  | 2331900 |
| cagcacgaat  | acaaggtttc  | tacggttttg  | cagttctacc | ttaaaacacc  | catctgatca  | 2331960 |
| tatcggatta  | gacataaaaa  | tttcccgtt   | acagatcata | tctctatgag  | ataattcctt  | 2332020 |
| taagcgggaa  | atcttgata   | cgaaaactga  | acgaaacact | tactcttcgt  | ctaccaaatc  | 2332080 |
| ctgtatcggc  | atctgacgct  | tgatagcctc  | acggaaggaa | atgatagttt  | ccgaacgcga  | 2332140 |
| caatccta    | ggttgcaact  | tatcgtgaat  | aacgttcagc | aatgatgat   | tattctttgc  | 2332200 |
| gtaaatcttg  | ataaacatgt  | catactgtcc  | ggttgataaa | tgacattcca  | ctacttcagg  | 2332260 |
| aatacttttc  | aaggcctctg  | tcaccgaatc  | aaactgctcg | ggatcccgcga | ggtataaccc  | 2332320 |
| gatataagca  | caagtttcat  | aaccgatctt  | ttcgggatct | attataaaat  | ccgatccttt  | 2332380 |
| caatattccc  | aagtttgata  | acttctgaat  | acgctgatga | atcgacgac   | ctgatacatt  | 2332440 |
| gcaggcacgt  | gccacctcca  | gaaagggaat  | acgggcattg | tcggcaatca  | agcgcaaaat  | 2332500 |
| ctgttcgtct  | aaactgtcta  | attgatgatg  | tccattgat  | gaatttttat  | ttttgtacaa  | 2332560 |
| atatagtata  | tttattccat  | acgcgagata  | acaattataa | cttttatcat  | tgtttttagca | 2332620 |
| ctaaattggc  | agatagtctt  | atctttgtaa  | aaaataaatc | ttttgttttt  | tatgaaaaaa  | 2332680 |
| aatatattgg  | cagcattgct  | cctgtcggcc  | ttcgtacagg | ctggagggtta | tgcacagaac  | 2332740 |
| ttcaacgatt  | tcttcgtcga  | caagacactg  | agaatcgatt | acttattcaa  | cggaaacgca  | 2332800 |
| cagaaacagg  | aaatcagcct  | cgatgaactg  | gtttcgcttc | ccggatgggc  | aggaagaaga  | 2332860 |
| aatttcctga  | gtgaacttcc  | cctggaaggg  | aacggcgaaa | taaccatgag  | ggataaagct  | 2332920 |
| acgggagaag  | taatctaccg  | tacctcggtc  | tccagcctgt | ttcaggagtg  | gatcgggtgag | 2332980 |
| gaagaggcaa  | aacacgtaac  | aagaggcttt  | gaaaatacgt | tcctgttgcc  | ttatcccaag  | 2333040 |
| cacacggcta  | cagtaacat   | cgaactgaaa  | aatgcgtatc | gtaagccttg  | tgcttcgctt  | 2333100 |

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|             |             |              |             |             |             |         |
|-------------|-------------|--------------|-------------|-------------|-------------|---------|
| acacatgaaa  | tcaatccaga  | ggacatcctg   | atccaccagc  | gtggtatgac  | acagattact  | 2333160 |
| cctcatcggt  | acctgataaa  | gaatggtact   | tccgacaaat  | gtatcgacct  | ggctatcatg  | 2333220 |
| gcagaaggat  | atacggaaga  | ggagatggat   | ctgttctaca  | aggatgcaca  | aacggcatgc  | 2333280 |
| gatgcgatct  | tctcgcacga  | accgttcaaa   | agtctgaaag  | atcgtttcaa  | tgtagtggct  | 2333340 |
| gtagcaactc  | catcgcacga  | cagcggggta   | agtattccac  | gaaaaggaga  | atggaaaaat  | 2333400 |
| acggctgtca  | gctcacatth  | cgacacgtth   | tattctgac   | gttacctgac  | aacccttagc  | 2333460 |
| gtaaagggtta | tgcacaactg  | gctggcaggt   | ataccctacg  | aacatattat  | tatcttagcc  | 2333520 |
| aataccgata  | cgtatggagg  | aggaggcatt   | tacaattctt  | acctgctcac  | aacagcccac  | 2333580 |
| cacccgatgt  | tcaagcctgt  | agttgtacac   | gaattcggac  | acagtttcgg  | tggctctggcc | 2333640 |
| gacgaatatg  | catacgatac  | agctcccagt   | ccgttatatc  | cgtatacgat  | agaaccatgg  | 2333700 |
| gaaccgaata  | tcacgactth  | ggttcattth   | gaaaataaat  | ggaaggatat  | ggtaccggca  | 2333760 |
| ggtacacctg  | taccgacacc  | agcagaaact   | gattcgacta  | ctattttatac | caaagtagga  | 2333820 |
| gtttatgaag  | gtggagggtta | tacgctgaaa   | ggcatttacc  | ggcctaccac  | cgaatgtaga  | 2333880 |
| atgaaaatca  | atgaagctcc  | ccgtttctgt   | ccggtgtgcg  | agcgttcgct  | tgagaagaca  | 2333940 |
| attcatttct  | ataccgacta  | aatcgattaa   | cccatgttga  | catttagcaa  | aattcagacc  | 2334000 |
| agtcattccc  | tctacagttt  | cgtagaggga   | ctcctgcatc  | aggcgtttcc  | cgtagacgaa  | 2334060 |
| cgcagagatg  | acgatgcaca  | gcgatataac   | accgatcata  | gtccagcctt  | caactgttat  | 2334120 |
| ctgattacag  | acgaggagga  | agaaaacaaa   | acagctattg  | gcttaattac  | cgtatgggaa  | 2334180 |
| ctgaatggat  | tccgctatgt  | agaacacttg   | gcaacttccc  | ctgccatacg  | caataagggg  | 2334240 |
| tatggcaaac  | gtatcatgga  | agcactgcaa   | aaagagtttc  | cgggaatcat  | cattctggaa  | 2334300 |
| gtggaaaagac | cgggaagatga | gatgagtacc   | cgacgaatag  | cgttctacca  | gcgatgtggc  | 2334360 |
| tttaccctat  | gtaatcagga  | ctacttacag   | cctccttatc  | gaaaagggtg  | gaaaagcctt  | 2334420 |
| cctctctacc  | tgatgtacgc  | gggtacagat   | agcattgacg  | aacaatatcc  | ggaaataagg  | 2334480 |
| gatgaaaattt | accgaaagggt | ttatgacgta   | aaataacagt  | aagaagccct  | ggctaaatat  | 2334540 |
| gtgacgcac   | tttaaaacgg  | tcattttacca  | gaaagggaaa  | tacagagaga  | tgataaatta  | 2334600 |
| aacccaatac  | tacagtatcg  | aaagaatcgt   | cctttttatca | gaaacttata  | aaaacaagag  | 2334660 |
| aggctactcc  | gtttggagta  | gccttttttaa  | gcttttataat | tgaactatta  | cttacgctgt  | 2334720 |
| gtagcagaat  | agttaatctt  | caaagcataa   | gcctgacgaa  | gagcctgttt  | tacttctgta  | 2334780 |
| acgataccca  | tcttagtctt  | tgcactgcact  | ttcaatgata  | cagtcataaa  | cggcttatca  | 2334840 |
| gcttctttca  | tgttttcacg  | ttcctgataa   | atgtaatcct  | gaacttctga  | agcttcagcg  | 2334900 |
| aattttatcat | tcaactgaat  | acggctcggtta | gtaccatctt  | ttttctgata  | ttcgggcaac  | 2334960 |
| ggcttaccga  | tgtagatgaa  | agaaacaaa    | gatttctttt  | caagcttttc  | caattctgtt  | 2335020 |
| gcagcaggaa  | ccttaaattg  | tactttcagc   | gtaacttcac  | gcatgggtgt  | tacaatcatg  | 2335080 |
| aagaagaaca  | acatggtaaa  | gataaggcca   | ggcaaagaag  | agggtgttcaa | ttccggcatc  | 2335140 |
| tcgcgcttac  | cactcttatt  | aaattttccc   | atgattagtt  | tcctccatat  | tttttaggtt  | 2335200 |
| ctgcttcaga  | aatcttctgt  | ggataatagt   | ccatgatagc  | atccttctgc  | tcttcagaac  | 2335260 |
| attcagagaa  | ctccttacc   | aactgagctt   | tagccagttc  | attacgtaat  | tcgttgtaag  | 2335320 |
| cagctaccaa  | ttcgtttctga | acctgaagat   | aagcatcata  | gctagtacca  | acgtcgttct  | 2335380 |
| gtacagaaat  | tacatgtttt  | tcagtaatca   | ttacatcacc  | aaagaaagga  | agggtcttcg  | 2335440 |
| gatgtttttc  | cggcaagttt  | ggatcatcct   | tcgggtttgc  | aatgaattct  | ttagcctttt  | 2335500 |
| ctcttaattg  | cttaatatca  | gaccattctc   | caccaaccat  | caactggctg  | tctttgttca  | 2335560 |
| aacgaatctg  | gagaacgttt  | ctttccttta   | caataatatc  | atctttctga  | tctttgtttt  | 2335620 |
| cgggtggagg  | cggcaaacgt  | ctcgctaacc   | cacggtcagt  | atccattgat  | gttgtaataa  | 2335680 |
| ggaagaagat  | aagcaacatg  | aaggcgatat   | ctgccgttga  | acttgcatga  | attcccggca  | 2335740 |
| cttttctatt  | cttttttgcc  | atttttactt   | acttcgtttt  | taattttatta | aacttcaatg  | 2335800 |
| tagatattat  | ctcttaaaga  | taccagataa   | gttaaccaat  | gcaccgattg  | cagcaatagc  | 2335860 |
| aaacaataca  | taagttgagt  | aaaggaacat   | atcagttact  | ttcaacatag  | tagtatctga  | 2335920 |
| atattcagta  | ccgccacca   | aaactacagt   | ttcagaagaa  | ccaagattat  | aagtaacgat  | 2335980 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| caacagaact  | accaacagaa  | tcaatcccaa | gagagatttg  | atagcacctt  | tccgattatc  | 2336040 |
| tttcaaagca  | ccaccaaaact | gagcgatagc | acaaataagt  | gtagctatta  | cagtcaccgc  | 2336100 |
| aaacattccg  | tacatcaagt  | acatcaaggc | cgggtgtattg | gcaggttcaa  | ccaaacctgc  | 2336160 |
| tgcatttgtt  | tcgttgtatc  | ctactccata | gaacaaagcc  | agcacaacta  | taatcagagc  | 2336220 |
| gatgcagaca  | tagaatatgt  | agtaagaaac | tttatatgat  | aatttagcca  | ttgttcaata  | 2336280 |
| attatttttt  | gtatttcaag  | ttgtatttca | tgattgtatc  | aagcaaagt   | atagaagaat  | 2336340 |
| cttccatctg  | gcttgtgata  | gcttcaatct | tagaaagaat  | gtagttatag  | aaaatctgaa  | 2336400 |
| gaatcaatgc  | tacaatcaaa  | ccgaagatag | tagtgatcaa  | cgcaactttc  | ataccagcgg  | 2336460 |
| caacaactgt  | cggagaaata  | tcaccagcac | gctggatatt  | atcgaacgcc  | ataaccatac  | 2336520 |
| caattacagt  | acccaagaat  | cccaaagacg | gagccattgc  | gatgaacagt  | gtgatccaag  | 2336580 |
| agcatccttt  | ttcaaggtaa  | ccagcctgaa | caccaccgta  | agaaacaaca  | gaacgttcaa  | 2336640 |
| caacatccaa  | accttcgtcg  | attcttaaca | aaccctgata  | gcagatagaa  | gcaacaggac  | 2336700 |
| cacgagtgtt  | acggcaaaca  | gtcttagcac | cttctacatc  | acctttttcc  | aaagctgctt  | 2336760 |
| caacttttagc | catcaatttc  | ttaacgtcaa | cttcagccaa  | gctcaagtaa  | atgatacgtt  | 2336820 |
| cgatacagaa  | agccaaacca  | agtaccaatg | cgatagcaac  | caatgacatg  | aagccagcgt  | 2336880 |
| caccttcgat  | aaacttagtt  | ttcaactctt | tgtgtatacc  | tccttcttca  | actgtagcag  | 2336940 |
| gagcggcagc  | ttcatctgtt  | gtttcagcag | gtgcaacctg  | ttctgtttgt  | tctggagctg  | 2337000 |
| ctgtagctgt  | agaatcctga  | gccatagctg | tctgagtcac  | tccaaatgag  | aggactccca  | 2337060 |
| tcactgcaag  | aattgcaa    | aactttttca | ttgtgtgtct  | aatttttaag  | attaaataat  | 2337120 |
| taatagtatt  | tataaattgt  | ttttttaatt | gtttctttta  | cctccttgcg  | gagagaacgg  | 2337180 |
| gattcgaacc  | cgtgatacgc  | ttttgacgta | tacacgcttt  | ccaggcgtgc  | ctcttcaacc  | 2337240 |
| actcgagcac  | ctctccttca  | aaacctcgct | tggaagcctt  | tttcttaaat  | cgaacgcaaa  | 2337300 |
| ttacaaataa  | aaatgcgaat  | gacaagcgat | ttctgctaca  | aatgtatttt  | tttttttcgt  | 2337360 |
| cttacataac  | attcgttccc  | caaaagttta | tttatagccc  | taaaattaat  | aaacttttaa  | 2337420 |
| aactattttct | ggcattttca  | aaaactttca | acgcgttttc  | tgaggttata  | cggcctatatt | 2337480 |
| cggccatcga  | aacgccatat  | acttcgga   | gtttctcggc  | tattttttacc | agataggcac  | 2337540 |
| tctcattacg  | tttgcctcta  | taaggtagac | gagccaggta  | aggggaatct  | gtttccaata  | 2337600 |
| cgatacggct  | caaaggtaga  | gatttcagaa | cttctggcaa  | aatacttttc  | ttaaaagtta  | 2337660 |
| cgacaccatt  | tattcctaac  | ataaatctgg | aatattccat  | cagtctgccg  | gcatcttctt  | 2337720 |
| ccgtaccggt  | gaaactgtga  | aagatgcccg | aaagtgaagt  | attccgatag  | ggttccagca  | 2337780 |
| cctcgagcaa  | ctcgggataa  | gcttcacggc | agtggataat  | caacggcaaa  | ttgaattcca  | 2337840 |
| aagcccattt  | tacctgaata  | tccagtactt | ccatctgttc  | cttccggaat  | gtcttgtccc  | 2337900 |
| aatacaaatc  | cattcctact  | tctccgatgc | catagaaagt  | ctgttccgaa  | cgaagccact  | 2337960 |
| tttcaacaac  | ggccagacgt  | tctttccagt | tttcgtcgac  | cgacgtagga  | tgaacccga   | 2338020 |
| tcatcggata  | gcatccgtcg  | tgcaattac  | acagtgccag  | catagcctcc  | accgaagtat  | 2338080 |
| catcgatgtt  | cggcataaac  | agccgcgtta | ctccagcttc  | cttggcacga  | ataatggcca  | 2338140 |
| gttcgcgatc  | agcatcgaac  | tcttctgtaa | acaaatgggt  | gtgtgtatcg  | attaaagcta  | 2338200 |
| acatatgtct  | atctttatta  | taaattacgg | ttcatcaagc  | tcaacacaaa  | atccgacagg  | 2338260 |
| ttcttcttat  | atgaagcttc  | cactcctacc | ttatccaaca  | gatccatgct  | ttcctgatag  | 2338320 |
| caagcattta  | tcttatcgcg  | acagatatca | cgaactccta  | ccttattata  | tatattagta  | 2338380 |
| acagcctcaa  | tcttctgtgc  | aggttcatag | tgttcggctg  | ccagccattt  | ctgcaactcg  | 2338440 |
| gcacgcgttg  | tttcatcagc  | ctgttccaaa | gctgtaatca  | acataaacgt  | ctttttatta  | 2338500 |
| catagaatat  | cgctccgat   | ttttttccca | aagaccgcag  | gatcaccata  | cacatccaga  | 2338560 |
| taatcatcct  | gcaactggaa  | cgcaagtccg | gctttttatac | cgaaatcata  | aagcaactgt  | 2338620 |
| gcatcctttt  | cagaggctcc  | tcccagtata | gcaccaatct  | tcaaggcacc  | ggcaagtaat  | 2338680 |
| acggatgtct  | tcagtcggat  | catttccatg | tattcgtcta  | ccgttacatc  | ctcccacat   | 2338740 |
| tcaaaactcca | tatcccactg  | ctgcccgtcg | catacttcca  | gagccgtacg  | cgaaaagact  | 2338800 |
| tccatcacct  | gcttcatgca  | cgattcagga | catccttgca  | tcatgaactg  | ataggaaagg  | 2338860 |



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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| atcaacatgg  | catcaccgga  | aagaatagcc  | gtattctcat  | tccatttctt | atgaacggta  | 2338920 |
| ggttttcctc  | gacgcataatc | tgcttatcc   | atcaaactcat | catgcaaaag | tgtgaaattg  | 2338980 |
| tgataagttt  | caattgccgc  | agcctgtgaa  | aagatagctt  | ccacatcctc | tttaaacaaa  | 2339040 |
| ttgtatgcaa  | gcaacataag  | tacgggacga  | agacgttttc  | caccaggtcc | aagtacatat  | 2339100 |
| tctattgggt  | cataaagtcc  | tttcggatcg  | tgagaataag  | gcaacgattc | tatatatgca  | 2339160 |
| tgaatctgac  | tcagtaattc  | ctttgaagtt  | tgttgcttca  | tgattcttct | ttttaagatt  | 2339220 |
| atacaaaaat  | ttttaggcac  | ggatacacag  | tattcaacac  | ctgtgcaatc | cgtgcctaaa  | 2339280 |
| caatattatc  | taggaaaagc  | ttactgcaac  | ttaaatgtta  | caggtactgt | atattttaca  | 2339340 |
| cgtacagctt  | taccacgctg  | cttacctggg  | ttccacttcg  | gcatcatctt | gatcacacga  | 2339400 |
| agtgtctcct  | tatccagata  | cgggtctaca  | ctacgaacaa  | caagcgggtc | gacgatagaa  | 2339460 |
| ccatcctgat  | ttacgacgaa  | ctgaacgatt  | acacgtcctt  | gtacaccggt | ttcctgtgcg  | 2339520 |
| atagtcggat  | acttgatggt  | cttagccaag  | aacttcaaac  | attcagccat | accacccggg  | 2339580 |
| aattccggca  | tttctctac   | gacctggaag  | atctgctggt  | cttcaacttc | ttcctcttct  | 2339640 |
| acaacttcag  | gaacatactt  | gatttcaaca  | gcctgacctt  | tatcctcgtt | tgactggata  | 2339700 |
| gtagattcct  | gtacgtttgc  | atcgttatca  | gcatccgca   | aaacttcttc | tactttcggg  | 2339760 |
| gcttcggggg  | gaggggggagc | ttgttttaggt | tcttctctgt  | gggtgatagg | caccattttcc | 2339820 |
| tcttcaaaaag | gcacatctac  | gataccacta  | tcggcagtg   | tcacgacatc | acgttttggtc | 2339880 |
| cattcaaacy  | caacgaacat  | tgctgccaat  | atcagcacga  | gtccgaccag | aaaccatgtg  | 2339940 |
| gttttcttgc  | cttcaagatc  | ggctttcggc  | gatttttttaa | tttcataaaa | aataatttta  | 2340000 |
| taggtttata  | aattctctgt  | tccgcaaagt  | taacgcaa    | cttcgaattt | gcaacaagat  | 2340060 |
| aaggataaaa  | aattgcaaaa  | taaattcacc  | acatgctatc  | tgtcacgaaa | atagactatc  | 2340120 |
| tttgaaaaact | gattttcatt  | aacattatat  | attaaaggta  | tgaacaaaat | cattatcgca  | 2340180 |
| atcgacgggt  | tttcttctg   | tggcaaaagt  | accatggcga  | aagaccttgc | caaagaaatc  | 2340240 |
| ggttatataat | acattgacag  | cggagccatg  | taccgggctg  | tcacactcta | ttgtatcgaa  | 2340300 |
| catagattat  | tccacacaga  | cggagcatt   | gacgaggaga  | aattgaaaca | gcaaatgagc  | 2340360 |
| gatatccaca  | tttctttccg  | gttgatgcc   | gaaacaggac  | gtcccctgac | cttctgaac   | 2340420 |
| gactcggatg  | tggaagacca  | gatacgacc   | ctggaggat   | cttctcatgt | cagccctgtt  | 2340480 |
| gccgcactgg  | gattcgtccg  | cgaggcattg  | gtacgccagc  | agcaggaact | gggaaaagat  | 2340540 |
| aaaggaatcg  | taatggacgg  | acgcgatata  | ggaaccgctg  | tattccccga | tgcggaactg  | 2340600 |
| aagatattcg  | tcacggcatc  | ggccgaaatc  | cgtgcgcagc  | gccgttacga | cgaactaaaa  | 2340660 |
| gctaaagggtc | aggaagcatc  | gttcgaagac  | atcctgcaca  | acgtagaaga | gcgcgaccgt  | 2340720 |
| atcgaccaga  | cacgcgaagt  | cagtccctg   | cgcaaggcag  | gcgatgcgat | attactggat  | 2340780 |
| aacagccaca  | tgagtatcg   | agaacagaaa  | gaatggctga  | tgaatcaatt | ccagcgggca  | 2340840 |
| actcatgctg  | aaagtagaga  | tagacgaaag  | ttcaggtttc  | tgcttcggag | tgactactgc  | 2340900 |
| tatccggaaa  | gccgaagaag  | agctggcaaa  | gagtgaacaa  | ctctattgct | taggggatat  | 2340960 |
| cgtgcacaac  | gggcgcgaat  | gtgaacggtt  | gaagcatctg  | ggactaaaca | ccatcgaaca  | 2341020 |
| cgatgagttt  | gcacagttgc  | gaaacacaaa  | ggtattactt  | cgtgcacacg | gagaacctcc  | 2341080 |
| ccagacttac  | cagctcgccc  | aacagaacaa  | catcgaaatc  | atcgatgcca | cttgccccgt  | 2341140 |
| agtgtctcgc  | ctgcaaaaac  | gcatcaagca  | ggaatttgat  | acgcccagcc | ccgaaggacg  | 2341200 |
| ggaaaagcag  | attgtcattt  | tcgggaaaaa  | cggacatgcc  | gaagtctctg | gactggtagg  | 2341260 |
| acagaccaac  | ggacaggcta  | tcgtcataga  | aaatctggct  | gaagccgaga | aactggactt  | 2341320 |
| caacaaagat  | atccggttgt  | attcacagac  | taccaagtcg  | ctggatgagt | tccggcaaat  | 2341380 |
| tgtggcatac  | attcaggaac  | acatttctcc  | acaagccact  | ttcctgtatt | acgacacaat  | 2341440 |
| atgccggcag  | gtggctaatac | gtatgccgga  | tatccgcaag  | tttgacgccc | aacacgacct  | 2341500 |
| ggtgttcttt  | gtctgtggac  | acaaaagttc  | gaacggtaaa  | attctttttc | aagaatgcct  | 2341560 |
| gaaggtaaac  | ccaaattcat  | accagataga  | ccgtccggaa  | gaaatagacc | gtgcacttct  | 2341620 |
| gaaagacgct  | cagtctattg  | gaatatgtgg  | agcgacctct  | accccgaagt | ggctgatgga  | 2341680 |
| agcatgccgt  | gatacaattt  | tgtcttactc  | atgacatcca  | aaaataaata | cttttatttg  | 2341740 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
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| tgggaaatat  | taaatgtatt  | ggcatcttga  | cttcagggtg  | tgatgctcct | ggaatgaatg  | 2341860 |
| ctgccatccg  | cgccgtcacc  | cgttcggcca  | tatacaacgg  | actggctgta | aaaggatatct | 2341920 |
| ttcgtggata  | caaaggtctt  | attaccggag  | aaatccagga  | gttcaagacc | caaaacgtca  | 2341980 |
| gcaatatcat  | ccaacaggga  | ggaactattc  | tgaaaacggc  | acgttgtcag | gagttcaaaa  | 2342040 |
| ctccggaagg  | acgtaaaatt  | gcttacgaaa  | ccatgcaacg  | tgaaggtatc | gacgcgctga  | 2342100 |
| ttgttatcgg  | tggagatggg  | tctctgaccg  | gagcacgtct  | gctggcacag | gaatttgatg  | 2342160 |
| tgccgtgtat  | cggattgcct  | ggtacaatcg  | acaacgacct  | gtatggtacc | gatactacaa  | 2342220 |
| tcggttatga  | tacagctttg  | aatacaattc  | ttgacgccgt  | cgacaaaatc | cgtgataccg  | 2342280 |
| caacttcaca  | cgaacgcttg  | ttcttcgtgg  | aagtaatggg  | acgcgatgcc | ggcttctttg  | 2342340 |
| cattgaacgg  | agccatcgca  | gcaggagctg  | aagctgccat  | cattcccga  | ttcaatacag  | 2342400 |
| aagtcgacca  | gctggaagag  | ttcatcaaaa  | acggattccg  | caagtcgaag | agcagttcca  | 2342460 |
| tcgtactggg  | tgccgaaagt  | gaaatcaccg  | gtggagccat  | gcattacgca | gaacgtgtta  | 2342520 |
| aaaacgaata  | tccgcagtac  | gatgtacgtg  | taactatttt  | gggacacttg | cagcgtggcg  | 2342580 |
| gtaaaccgac  | agcacacgac  | cgtatcattg  | ccagccgaat  | gggtgtagcc | agcatacagg  | 2342640 |
| ccttgatgga  | aggacagcgt  | aacgtgatga  | ttggtataga  | aaacgatgaa | atcgtttatg  | 2342700 |
| ttccgtttac  | caaagctatc  | aagaacgata  | agccaatcga  | ccgtgaactg | gtaaagtgtc  | 2342760 |
| tacatgaatt  | gtctatctaa  | tcaatagttc  | gttaaaaatt  | agcccagcct | aagcggctct  | 2342820 |
| ggcagtaaat  | aaaatgagtt  | ctttgaaaag  | tttgtcaatt  | aattgcgtgt | ttggttcaat  | 2342880 |
| cccagacacg  | caaataaatc  | gttcaagcat  | gtaagcattg  | tgtatgactg | acttgcattg  | 2342940 |
| tgatatggaa  | tattttattc  | ccatcttctt  | acaggcagcc  | ttggcgaggt | ttatcgctgc  | 2343000 |
| aagtgatgca  | ttaaagtggg  | atgccagttt  | cctgaagtct  | gtagactgac | agtttgctat  | 2343060 |
| tccggcatgt  | tgcttggcat  | cccgaagca   | gaattcgagt  | tggaaacgtg | ttctgtaaaa  | 2343120 |
| gtccaggaca  | tcctgtgcgt  | tctgtatttc  | gtttgtagag  | aaatacagct | gccattttgtc | 2343180 |
| cgttcttcca  | tccatggggg  | accatacagc  | caggctcaca  | aagcgtttga | gtgctttgga  | 2343240 |
| gtatgctttc  | agtcgtaaaa  | gtttaccctt  | gttcactttg  | tactcggtac | atcttgtgat  | 2343300 |
| gtccagattt  | tcaaagtcaa  | ttttctcgtc  | atgtaatttt  | ggacgtccgc | gttttcctgt  | 2343360 |
| cctattttct  | aagggtggg   | aaaacaatac  | ggcatcattc  | ctgaaacggc | ttattacgtg  | 2343420 |
| gaaaccgtta  | tcgtacaatg  | gtttgatgaa  | agttgccttt  | gaaaagaacg | catcacacac  | 2343480 |
| gactgtgcca  | gaaatacgtt  | tcagctgttc  | ctgtatgctg  | ataaggtaag | agctgtacca  | 2343540 |
| gtcaacaaga  | ttcttctcac  | agctttccag  | cgttgcgttg  | tcaggtgtct | gtacagagcc  | 2343600 |
| caaagtcata  | cattcatggg  | tgtcaacgtc  | tataactcca  | ataccggtta | tttccagttc  | 2343660 |
| acgtttgtat  | tcaccggcac  | aaccggacca  | gaaatagcca  | atccacggcg | ttttgctgcc  | 2343720 |
| tgattttgga  | atgaaagacg  | gatcaacggc  | tatgccttg   | cgaccacctt | taagggtgtc  | 2343780 |
| cctgatgatg  | gcttcattga  | aggaaaacca  | gtcaaagccg  | tcgttctcaa | aattgttgcg  | 2343840 |
| gtatgtctgt  | tccgagaaac  | atccataccg  | tcccatttgt  | aggaaattga | tgcggtcagg  | 2343900 |
| tatagccatg  | aataattttca | ttgcatccat  | gaatactttc  | tgaaaagatt | tgcttatatt  | 2343960 |
| tacagctgat  | tcgagagcgt  | ttctgcactc  | ggattggtat  | tgcataagga | gtgattcttt  | 2344020 |
| agtcataatt  | aaaagtgggtg | aagtacttct  | aatttactaa  | aaatcagtga | attatgaaat  | 2344080 |
| actttttctg  | ttgattttca  | gctgttttagc | atatcttttt  | catccctttt | cttactcctt  | 2344140 |
| gacgatttat  | tcttgacagt  | atttcaatga  | tctcttgaat  | ataattttga | accggattat  | 2344200 |
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| aacaaacaag  | gttctatctt  | attctaccag  | tcggatgcca  | ttgtcttcca | gcacaaccag  | 2344380 |
| gcgtttctta  | tacagttcac  | ctacagcctt  | tttaaaggctc | ttcttgctca | cgccgaatgt  | 2344440 |
| gttgatatatt | acttcggcct  | ccgttttgtc  | gttcagcgga  | gtatagccgt | cgttatcctt  | 2344500 |
| tatatactgt  | aacagcactt  | cggaaaagtc  | gtcgaccttc  | ttcacgcctt | ttttctgaag  | 2344560 |
| taccagggtca | atctttccgt  | cttcacgtac  | acgcttttacg | taagcatgca | gatgcattcc  | 2344620 |

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|-------------|------------|------------|-------------|-------------|------------|---------|
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| tatcacctta  | aatcccaggt | ccgttttctg | ccataccagt  | acctcgactt  | cctctcccgg | 2344740 |
| agcatattcc  | ggacgttcct | tcgacaagta | gtgctccact  | ttggccgaag  | caacaatacg | 2344800 |
| gtagctctca  | tcgtccagat | gcacatgcac | catatagcga  | ccacctttct  | gcatcttggc | 2344860 |
| cttctgttca  | cggaaaggaa | cgaacaagtc | cttcattaat  | ccccagttca  | gaaatgcccc | 2344920 |
| gtattggttt  | acccatgccg | cttcagaca  | agcaaactcc  | cctacctgca  | cgtaaggttc | 2344980 |
| cagcgtcgta  | gctaccagac | gttcgtccat | gtcaaggtaa  | ataaacacat  | tcagcacatc | 2345040 |
| ccccggctta  | caaccttcgg | gaacataacg | cttcggaagc  | agaatctctc  | cgtcttcatc | 2345100 |
| accgtaagg   | tacatgccga | agtctacctc | cttcacgact  | tccagctgat  | tatatcttcc | 2345160 |
| taattgtata  | tgactcataa | ctattcttta | tttctgcca   | agataacata  | aaaaagtaac | 2345220 |
| atagcagctt  | ctcgcaaata | aaaacagaaa | aaaggatatag | caaaaacaca  | aacctatccg | 2345280 |
| gcaatttatt  | tttatcgga  | aaaagaggac | agttctaagt  | gaaaaccggg  | caaaattggt | 2345340 |
| ttacttagca  | gaagatttaa | ttttttatcc | tatcaatagt  | tcgttaaaaa  | ttagcccagc | 2345400 |
| ctaagcggct  | ctggcagtaa | ataaaatgag | ttctttgaaa  | agtttgtcaa  | ttaattgcgt | 2345460 |
| gtttggttca  | atcccagaca | cgcaaataaa | tcgttcaagc  | atgtaagcat  | tgtgtatgac | 2345520 |
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| gtttatcgct  | gcaagtgatg | cattaaagtg | gaatgccagt  | ttcctgaagt  | ctgtagactg | 2345640 |
| acagtttgct  | attccggcat | gttgcttggc | atcccgaag   | cagaattcga  | gttggaacg  | 2345700 |
| tgttctgtaa  | aagtccagga | catcctgtgc | gttctgtatt  | tcgtttgtag  | agaaatacag | 2345760 |
| ctgccatttg  | tccgttcttc | catccatggg | gtaccataca  | gccaggctca  | caaagcgttt | 2345820 |
| gagtgccttg  | gagtatgctt | tcagtcctga | aagtttacc   | ttgttctact  | tgtactcggg | 2345880 |
| acatcttggt  | atgtccagat | tttcaaagtc | aattttctcg  | tcagtgaatt  | ttggacgtcc | 2345940 |
| gcgttttcct  | gtcctatttt | ctaagggtgg | ataaaaaca   | acggcatcat  | tcctgaaacg | 2346000 |
| gcttattacg  | tggaaccggt | tatcgtacaa | tggtttgatg  | aaagttgcct  | ttgaaaagaa | 2346060 |
| cgcacacac   | acgactgtgc | cagaaatacg | tttcagctgt  | tcctgtatgc  | tgataaggta | 2346120 |
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| ctgtacagag  | cccaaagtca | tacattcatg | gttgtcaacg  | tctataactc  | caataccggg | 2346240 |
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| cgttttgctg  | cctgattttg | gaatgaaaga | cggatcaacg  | gctatcgctt  | tgcgaccacc | 2346360 |
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| aaaattgttg  | cggtatgtct | gttccgagaa | acatccatac  | cgtcccattt  | gtaggaaatt | 2346480 |
| gatgcggtca  | ggtatagcca | tgaataattt | cattgcatcc  | atgaatactt  | tctgaaaaga | 2346540 |
| tttgcttata  | tttacagctg | attcgagagc | gtttctgcac  | tcggattggg  | attgcataag | 2346600 |
| gagtgaattc  | ttagtcataa | ttaaaagtgg | tgaagtactt  | ctaatttact  | aaaaatcagt | 2346660 |
| gaattatgaa  | atactttttc | tgttgatttt | cagctgttta  | gcatactttt  | ttcatccctt | 2346720 |
| ttcttactcc  | ttgacgattt | attcttgaca | gtattttcaat | gatctcttga  | atataatttt | 2346780 |
| gaaccggatt  | atgccgattc | tatgtttaat | tttaattttat | cggtaaaaaat | ttaccgaagt | 2346840 |
| attgtcctat  | gaaacactct | cttttgacgc | taggcacgtg  | ggctgcttct  | ctagccatgg | 2346900 |
| cctcttcttc  | gtgtaccacc | cagcaacagc | ctaccgaggt  | aacctggggg  | accttcaaca | 2346960 |
| tccgctacga  | taatcctgcc | gacagcctca | acaactggca  | ataccgaaa   | gaccatgtag | 2347020 |
| ccgaattcat  | caagacacaa | gacatcgata | tcgtaggtat  | gcaggaagta  | cttcacaacc | 2347080 |
| agctggagga  | cctgaaggca | cgtctgccc  | aatatgccga  | agtaggtgta  | ggcgtgagg  | 2347140 |
| acggttaagac | caaaggcgaa | tatgctccgc | tgttctataa  | aaaaggccgt  | ttcgaagtcc | 2347200 |
| tcgacagtaa  | caccttctgg | ttgtcacaac | accccgacag  | cgtaggattc  | atcggatggg | 2347260 |
| acggtgcctg  | cacccgcatt | gcaacctggg | ccaagctgaa  | agacaagaag  | agcgggaaga | 2347320 |
| tcttcatggc  | agtcaacacg | cacttcgacc | atataggtac  | ggaagcccga  | agaaaaggag | 2347380 |
| ccttgctgat  | tatcgagaaa | atcaaggaga | ttgtaggcga  | ccagcctgcc  | gtgctgaccg | 2347440 |
| gcgactttaa  | cgtaaccgag | cagtcggaag | cctacgaaac  | catcacaacc  | aatgaatttg | 2347500 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| tactgaaaga  | tgcctacaag  | gaagcggctc | agcgagaagg | agtaagttac  | accttccacg  | 2347560 |
| atttcggacg  | catccctgcc  | gactcctgcc | agaaaataga | cttcatcttc  | gtcactccac  | 2347620 |
| aaatcaaagt  | acaagacagt  | tatatccgc  | aggaagccaa | acaggcaggc  | gatttcctct  | 2347680 |
| ccgatcataa  | tccggaagt   | gttcacctgt | cgttctgata | ctccttattt  | tatcatacca  | 2347740 |
| tctatcatgt  | ggatggtagc  | gtcggctctg | gccgccagtt | cttcatcgtg  | ggtaacaatg  | 2347800 |
| acaaaagtct  | gtcccagctt  | atcccgc    | tcgaagaaca | ggcgggtgcag | ttctattttg  | 2347860 |
| ttttgcgtat  | ccagactgcc  | cgacggctca | tccgcaagca | ctaccgcagg  | atggttttatc | 2347920 |
| aatgcccgcg  | ctactgccac  | acgctgtttc | tcgccaccgc | acagttccgc  | cggcttatgc  | 2347980 |
| gaagcccgcg  | ccgaaagtcc  | gaggaagtcc | agcatctcac | gtgccttttt  | cttcgcctca  | 2348040 |
| gaagccgata  | ccccctgaat  | cagtgcagg  | atcatcacat | tctccagtg   | cgtaaactcc  | 2348100 |
| ggcaggagct  | gatgaaactg  | aaagacaaag | ccaatttcct | tggtgcggaa  | agcagaaagc  | 2348160 |
| tctttttcct  | tcaggcgggt  | tacctccgta | ccgttcaata | caatccgccc  | gctgtcgggc  | 2348220 |
| ttgtcgagcg  | tccccataat  | ctgaagcaag | gttgttttcc | ctgccccgct  | gggccctacg  | 2348280 |
| atacttacca  | cttctccttt  | atttatagtc | aggtcgattc | ccttcagcac  | atgcagcgaa  | 2348340 |
| ccgaaactct  | tggttattcc  | ttccaactga | atcatacttc | tacaattttac | gtatcacata  | 2348400 |
| ttctgccaga  | tagcagccaa  | ataccgcagg | catgtagctt | accgtaccgg  | ctgtagattt  | 2348460 |
| cttggtctgt  | tcgttgtcta  | ccagaatcac | ggcgttcgga | tcggcctgtt  | cggtactgaa  | 2348520 |
| taccacaggc  | aacttgcgct  | tcatgcccat | cttctgcaag | cgtttgcgta  | ccgccttgct  | 2348580 |
| cagtccgcag  | tgataagttt  | cccataaatc | ggcaaagcgc | acctgcgtaa  | tatcccgctt  | 2348640 |
| ggcaccgcg   | cccatgctgc  | ttacaatctt | cataccacgc | tgcaacgcat  | gataaatcag  | 2348700 |
| gtagcacttg  | ggagctaccg  | tatcgatagc | atcgacaatg | aaatcgaact  | tcgcactgtc  | 2348760 |
| cagcagctcc  | ggtatcgctt  | catccttcag | gtaaaccgga | agcaccgcta  | gctgaagctc  | 2348820 |
| cggattaata  | tcgagaaaac  | gctgtgccag | cacctccg   | tttttcttac  | ccagcaccga  | 2348880 |
| atgagtagcc  | ggaagctgac  | ggttgatgtt | gctgggctga | accgtatcgg  | catccacaat  | 2348940 |
| agtcattgca  | cccactccgg  | cacggcaa   | catttcggca | gcgtaggcac  | ctacacctcc  | 2349000 |
| cagtcctacc  | accagcacat  | gtgcgccacg | caagcgctcc | attttatcgg  | taccagcag   | 2349060 |
| cagttccgta  | cgctgctgcc  | aagccttact | gtcttcactc | atgaattctt  | cttaaaccat  | 2349120 |
| ttataaaacc  | agttgccac   | cttgctgtaa | tactgcgttt | cagcccatcc  | acgtggatca  | 2349180 |
| gagaacgaca  | gtgtttctgt  | cgggtcaccc | ttctgttccg | gataaagcaa  | catgatactg  | 2349240 |
| ttattattaa  | aataacttcga | tatctgcata | ggcaagcggt | cgaatgccga  | gtcgtatgaa  | 2349300 |
| atggaaccgc  | gccgcgcact  | gatgatgacc | agcaaatgat | cgtagttcac  | ctgtccgggtc | 2349360 |
| aggatgagca  | ggtcgtccca  | gttctccagt | tccgaataag | cagcccgtgt  | atccttatgt  | 2349420 |
| ttcttctgta  | tatagccccg  | gatgtacccc | agcgtctgag | gatgcgcata  | gaaatgcacc  | 2349480 |
| ctacatccca  | actgactact  | catacggcac | atgtgggtaa | tccattttat  | gaacccatgt  | 2349540 |
| tcgaactccg  | ccttgggagg  | aaccgccacg | atgattcgcc | tcaacgtatt  | gaccggcatc  | 2349600 |
| aggaaacggg  | ccaccatcac  | ctgcaaata  | gtatttttca | acaaattctc  | cgtcagcttt  | 2349660 |
| ccaaagaaaag | aatcgacaat  | actcatctta | cagtgcgaac | cgtatgatgat | attcgctcgca | 2349720 |
| ttatatctct  | tagccgtatg  | caggatacct | gtcgtaatat | tcaagtcgaa  | ccgcgatacg  | 2349780 |
| gtcttcagcc  | gcacattggt  | agcagcagta | atctgtgccg | cccgtcccaa  | gttacgcttg  | 2349840 |
| ccacgcatct  | cctgtttcac  | cgagtcgtta | ttgtcattca | ccacactcag  | ggcaaccaga  | 2349900 |
| ttgtccaact  | gcttttcatc  | gcgggctatc | attgccagac | tcatcagact  | ctccagcggt  | 2349960 |
| tccggattcg  | aaaccggaat  | aaggaatgtt | tccttctcct | gcgtcttctc  | tccgtccacc  | 2350020 |
| tccgcatcgt  | ccatggcaat  | acgtttggca | gcatgttcgg | taatgaaaga  | gctcaccacg  | 2350080 |
| caagtcacca  | gaattagcag  | aattgttccg | ttcagcacat | cctcgttcag  | cagacgttca  | 2350140 |
| ccgtctggta  | aaataatgtt  | ataaccaacc | agcacggcag | ccagcgtagc  | agccgcctgt  | 2350200 |
| gcgttactta  | atccgaacat  | cagctcccgt | tccagcgaac | gcattcttata | aatcttctgc  | 2350260 |
| gtgagccacg  | acgcaatcca  | cttaccacgc | aaagccacga | taatcatcac  | caccgccact  | 2350320 |
| ttgagagagt  | cgatatgtcc  | gaacagtacg | ttcacatcaa | tcaacattcc  | caccccgatc  | 2350380 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| aggaagtacg  | gaataaacia  | cgcgttgcct | acaaactcca | gatgactcat  | gagcggcgag  | 2350440 |
| acatgcggaa  | tcagccggtt  | cagtaccaat | ccggcaagga | aagctcccaa  | gataccttcc  | 2350500 |
| ataccacaaa  | actccatcag  | tcccgcaccg | aggaacacca | ttgccatgac  | gaaaatatac  | 2350560 |
| tgcaccacat  | tgtcactata  | gcgacggaag | aaccatcttc | cgatacgcg   | aaaagcatac  | 2350620 |
| atgatgacta  | cactcagcac  | cactaccttc | agtaccagcc | agatccagaa  | catatccgac  | 2350680 |
| gtttctccct  | tgtacatacc  | ccctatcaca | gccagcacca | gcagtgtcag  | cgtatcggtc  | 2350740 |
| acggcagtac  | ctcctactgc  | aatgcttaca | gcccgtgac  | ggttgatacc  | gtaacggatc  | 2350800 |
| acgataggat  | aagcaatcag  | cgtatgcgag | gcatacatac | tggcaagcag  | caccgaagtg  | 2350860 |
| gtcagactat  | aatccagcag  | atgcagattg | gtccatatac | ctatacccaa  | agggaaaaata | 2350920 |
| aacgcgagca  | gtcccagcac  | ggtagccttc | acacggatac | tcttgaagtc  | ctccatgttc  | 2350980 |
| atttcaagtc  | cggcaaggaa  | catgatgtaa | taaagcccca | ccttaccaaa  | cagctcgaag  | 2351040 |
| ctgctgtcgc  | gtgccagtat  | gttaaaccga | tggtcgccaa | tgacgactcc  | cgccagtatc  | 2351100 |
| ataccgataa  | tgtggggaat  | acgcagccgc | tccagtacga | tgggggcaaa  | caagataata  | 2351160 |
| accaacacca  | aaaagaaaat  | ccacgtgggg | tcggtgacag | gaagatgaaa  | atcaaagtgt  | 2351220 |
| acaaaaatcga | gcacttcttt  | cataaatagg | tattactatt | tcatttttaga | aacaaaaata  | 2351280 |
| caaaaaatct  | tcctattttc  | cgtattaata | attcagaatg | ttttattttt  | gcaatcggaa  | 2351340 |
| atccaagcag  | acaaaacaca  | gcgtttttta | atcaatgact | tttttgacaa  | agcgaagaga  | 2351400 |
| aaagcgtctg  | cacattaaga  | aaaatgtaat | tattaacagt | ttaagaatta  | agagatgaaa  | 2351460 |
| gtagctattg  | ttggtgcaag  | cggagcagta | ggacaagagt | tcctgcgtgt  | gcttgatgag  | 2351520 |
| agaaattttc  | cgatagacga  | attgttatta | tttggctcta | cacgtagtgc  | aggacgaaaa  | 2351580 |
| tacacattcc  | gcggaaaaga  | aatcgaagtg | aaactgctgc | aacacaatga  | cgatttcaaa  | 2351640 |
| ggtgtcgaca  | ttgcctttac  | ttctgcagga | gcaggcacat | ctaaagaatt  | tgccgaaact  | 2351700 |
| atcaccaaat  | acggtgctgt  | catgatagac | aattcaagcg | cattccgcat  | ggatgcagac  | 2351760 |
| attccttttg  | tcgtacccga  | agtaaaccac | gatgacgcat | tgaaccgtcc  | gcgtgggtatc | 2351820 |
| atcgccaacc  | cgaactgtac  | aaccatacag | atggtagtgg | cattgaaagc  | tatcgaaaaa  | 2351880 |
| ctgtcgcaca  | tcaagcgcgt  | acatgtttct | acttatcaag | ctgccagcgg  | agcaggtgct  | 2351940 |
| gccgctatgg  | acgaactgta  | cgaacagtat | cgtcaggtac | ttgccggaga  | gcctgtaacc  | 2352000 |
| gttgaaaaat  | ttgcttatca  | gctggcggtc | aacctgattc | ctcagattga  | cgtgtttacc  | 2352060 |
| gacaacgggt  | ataccaaaga  | ggaaatgaag | atgtacaacg | aaacacgtaa  | gatcatgcac  | 2352120 |
| tccgacgtga  | aggtcagtgc  | aacctgcgta | cgtgttcctg | cattgcgttc  | tcactcagaa  | 2352180 |
| agcatctgga  | tcgaaacaga  | acgtccggta | tcggtagaag | aagcacgcaa  | ggcgtttgcc  | 2352240 |
| gaagggtgaag | gactggtatt  | gatggataat | cctgaaaaga | aagaatacc   | gatgccgttg  | 2352300 |
| ttccttgccg  | gaaaagatcc  | tgtatacgta | ggacgtattc | gtaaggacct  | gaccaacgaa  | 2352360 |
| aacggcctga  | cattctggat  | tgtgggcgac | cagatcaaga | aaggagctgc  | cctgaacgcc  | 2352420 |
| gtacagattg  | ctgaatattt  | gcttaaagtg | agaatatcgc | gataagtaat  | ttttcactaa  | 2352480 |
| cagatacgaa  | agagataagg  | caacctgcct | gtccggacga | atgcatcgct  | ggacaatgcg  | 2352540 |
| gttgcccttat | ctcttttttag | ttttatcctc | ctttttcttt | caacatgcaa  | tacacctatc  | 2352600 |
| cttacctctc  | tcccctcgga  | aaaatcattc | ttgccagcaa | cggcacatgc  | ctcaccggat  | 2352660 |
| tatggttcga  | aggccaaaag  | tattttggcc | gcacgctgga | tgcggaacac  | gaagaaagag  | 2352720 |
| attttcccgt  | gtttcgtcag  | acaaccgaat | ggctggacac | ttactttgcc  | ggaaagaggc  | 2352780 |
| ccgacttcat  | gcccgaactg  | gaactgcatg | acacgccgtt | ccgcttagct  | gtatggcata  | 2352840 |
| tcctgcaaca  | aattccctat  | ggcgaagtta | tcacctacaa | agaaatagct  | caggaaatag  | 2352900 |
| cccgtcagcg  | aaactgcgga  | agcatgtcgg | cacaggccat | tgggtggagcc | gtcggccaca  | 2352960 |
| atccccatcag | catcctcatc  | ccctgccacc | gtgtaatagg | cagcaacgga  | agtctgaccg  | 2353020 |
| gatatgccgg  | aggagtttcc  | cgaaaaatga | gtctgctcgc | gctggaagg   | gggacagatc  | 2353080 |
| tgaacacctt  | caaataaaat  | cttacatacc | ggatgcttcg | gcctgcttct  | gcatgatgtc  | 2353140 |
| ctgtaccaga  | tagtgactag  | tcctaaataa | ccgttacagt | tattggacaa  | aaataaatta  | 2353200 |
| tttatcacag  | ttcagcaagg  | tcagtcttgc | tgaactgttt | gtttttgtaa  | cttttaattt  | 2353260 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| taatcagctt | ctgatgatgc  | atatactccg  | gcgtttttata | cccacaagag  | taatgaggtc  | 2353320 |
| tgatgttatt | atacttgtag  | acagcatccc  | ttattacctg  | tttcatatct  | gatagcggta  | 2353380 |
| gattaagttc | ctcaagcagg  | aactcctgtt  | ttagtattcc  | gtttattcgt  | tctgccacgg  | 2353440 |
| cattagcgta | cggatcgtaa  | gattcagtc   | tgctgggtat  | gatgtgat    | tgtcccagta  | 2353500 |
| atttctgata | tgcatcggaa  | cagtactgta  | taccacggtc  | agagtgggtg  | atcaatggcg  | 2353560 |
| tgtccctata | cagtcgggtg  | cggtttgcca  | tcctcagcgc  | gttcaaagaa  | ccttgagtgt  | 2353620 |
| ccaaggaatc | ggaaagatca  | tatcccataa  | tcttcttgga  | ataagcatct  | gtaaccagag  | 2353680 |
| aaagatacat | atgccgggtt  | ctattgccaa  | tataagtaat  | atcagaaacc  | catatttctt  | 2353740 |
| ccgggcggtg | cgcttccata  | ctttctacaa  | gattcttgtg  | cttccgaaac  | cgggtgatgcg | 2353800 |
| agttgggtgt | tacatgat    | gaacgtacgg  | gctttataag  | cagacgggtg  | gcacggagta  | 2353860 |
| tatcgaacag | tttgtccctg  | cctacctgt   | tctccttaag  | tggctgatga  | agcatatgat  | 2353920 |
| aaagtttgcg | ggttcctaca  | cgtggcagtt  | ccattcggat  | atctcgtacc  | atgccacaa   | 2353980 |
| catcagtggc | cctttgccgg  | cctcggatta  | tcttccattg  | ctgacggtaa  | tatttctgcc  | 2354040 |
| tgcttatccc | gagcagtcgg  | cagattccgc  | tgatacttac  | ggatttttct  | tctttatatt  | 2354100 |
| tattgactgt | tcgggagagg  | agtttttctg  | tatgtcgata  | ttatattcct  | tttccgctat  | 2354160 |
| gtctatcatc | atgtcgaaaa  | actctgcttt  | catatccttc  | agctcaagct  | ccttttccag  | 2354220 |
| acgggcatc  | ttgcgttcca  | ggaaccttac  | tttctgttgt  | agttctaaca  | gtttttgatc  | 2354280 |
| cttactcttt | tccatagaat  | ggtaacattt  | gtttgtgata  | tcaaagttac  | catatttttc  | 2354340 |
| aatccaacgg | ctaatagttg  | aacatccttg  | tatcccata   | tttcgtttca  | gcgctcccaa  | 2354400 |
| acttattttt | gtggtttcat  | actcttgac   | tactgatagt  | ttaaaggaca  | tactgtaatc  | 2354460 |
| tttttgtgtg | cgcttaacgt  | actttgtttc  | tgtcttttcc  | ataatgttac  | cttttttgtt  | 2354520 |
| gtaacgctat | ttcaggacta  | gacatagaga  | ttaaaaaaga  | gagagtgtga  | aattttatag  | 2354580 |
| aaatctattc | tttggtagta  | ttttttat    | aggtatctgc  | atatagagag  | taatacgaat  | 2354640 |
| tttatgacaa | ggttggttat  | gtgggttgga  | atactggcta  | cgtctttaac  | atcaccatta  | 2354700 |
| caggcccaag | tttcttccga  | tacagtagcc  | atcagtcggg  | aaactgccat  | tatttttctgt | 2354760 |
| tttatgccc  | ggaagctgat  | gtcttacgca  | tcttttagcg  | aaaacgaaca  | agcgataaag  | 2354820 |
| aagctgggag | agttgatgga  | cgaacacaag  | gatgagatcg  | ttcaggaaaa  | tgcttttgtc  | 2354880 |
| ggcattcagg | gcttttgag   | ttcctttcct  | acggaaaaag  | aaaatataca  | ggcggtcaga  | 2354940 |
| aaccgtacca | atcagggtta  | atcttatttt  | atcgcattca  | ccgacaggca  | ggtaaagctg  | 2355000 |
| gatacgggtc | gctgggcatg  | tacggaagag  | gaaatccgtg  | agcggactta  | tccgaactcg  | 2355060 |
| ataaccggtg | ccagaaaaaga | gactgtcgtg  | tatgaagcaa  | ctgaacgtga  | ttcgtttgtg  | 2355120 |
| caggaacagg | ccgtacagg   | tgatacctct  | accgttccgg  | cagcatacga  | ataccgtttc  | 2355180 |
| acgccctggt | ctgtcaagac  | caacctgctg  | tacgatgtct  | tgctgacccc  | ctctctcgaa  | 2355240 |
| atagaatacc | gcatcagcaa  | gcgttggtcg  | gtcggtttgg  | aaggagcttt  | ggcaagctgg  | 2355300 |
| agcaatgcca | atcgtcacag  | atattaccac  | ctagccttca  | tcagtccgga  | ggcacgttac  | 2355360 |
| tggtttcagg | ctccggaacg  | ccggaaagga  | cattacgtcg  | gcttgttcgc  | ggggggcggc  | 2355420 |
| tggtacgatt | tgacgaacgg  | aggacgcgg   | tacagaggcg  | agggaatgtt  | tgctggagca  | 2355480 |
| agctacggct | atctgtttcc  | ggtaggcaat  | tatttctcgt  | tcgaggctgg  | cattggcata  | 2355540 |
| ggatatctga | atacgacct   | cgatgaatat  | ctgccggtga  | ataaagatta  | tgtctatcag  | 2355600 |
| cagaccagca | agatcaatta  | catcgggtccg | ctgaagtga   | aattcgcgatg | ggtatggtac  | 2355660 |
| atcggacgat | gcctcgaaaa  | gaaggaggga  | aacgcgtgag  | aattacgaca  | atgatacgtc  | 2355720 |
| gtgctgccat | actgttgttg  | gtggcatgca  | ctgcctgtcg  | gaaggaattg  | tactaccatg  | 2355780 |
| acgatgacca | tgctttgacg  | gtaaaagtat  | atgccctaac  | cagttggaaa  | caagaatggg  | 2355840 |
| agcgtacgca | cagttataac  | tggaaagagt  | cgtggctcga  | cgagtttctg  | tataacctacg | 2355900 |
| atgccctccg | tcccgataaa  | gccactggca  | ttaaggccac  | ggtgtatggc  | gacgatggct  | 2355960 |
| atagcggaga | attgcacctt  | cctgccgaag  | ggggaagct   | gccgctgcgt  | gaaggaaaac  | 2356020 |
| atgctgtcct | gctgtataac  | aacgatacgg  | aatacatcgt  | attcgacggg  | ctgtcggctt  | 2356080 |
| ctacctcggc | aacggctacg  | acacgtacac  | ttactcgtgc  | cagcttagga  | gcactgcata  | 2356140 |

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|             |             |            |             |             |             |         |
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| aaggtgaacg  | taccatcaat  | cagcccgacc | agctctatgc  | gcattacctg  | gaggaatgta  | 2356200 |
| ccggcgaaaa  | aacactcgag  | aaagtggaa  | ttcccgtaac  | gatgcatccg  | ctgacttata  | 2356260 |
| cttatctgat  | acggtataag  | ttttcgaagg | gattgaaata  | cgtggcactg  | acccgtgggg  | 2356320 |
| cactggccgg  | catggcagag  | aaggtttatt | tgaacgacgg  | acgtacgggg  | agtgagaccg  | 2356380 |
| ctaccatcct  | tttcgattgc  | agtcagaccg | atttcggggc  | ggatgtgtgt  | atgaagtgtt  | 2356440 |
| tcggcgtacc  | gaactatccg  | ggcgcatt   | acatgcgtgc  | cgatggtact  | ccggtgtact  | 2356500 |
| atacgcttaa  | ccttgaagtc  | cgactgaata | acgggaaggt  | cctgaattat  | gagtttgatg  | 2356560 |
| tgaccgatca  | ggtgaatgcc  | cagcctcgcg | gcggtgtcat  | tacggtagac  | ggaatcgaag  | 2356620 |
| tagacgacga  | ggacggtatg  | gcaggttccg | gagggttaga  | cgtcacggta  | gacggatggg  | 2356680 |
| gcgattatat  | ggatatacct  | ctgccgttag | gataacggtc  | ggataatttg  | ttgaatagca  | 2356740 |
| atagaacagt  | aatatatattt | ttaattttaa | catttatattt | tttttaagat  | gagaaaaagt  | 2356800 |
| ttatttttat  | tgggggtaac  | tgtagcaaca | ttgtcgagct  | gtacacagag  | tgaggtagctt | 2356860 |
| gaagtggcag  | gcagcaacaa  | ggctatcggg | tttgatgctt  | ttgtaaataa  | aagcattaga  | 2356920 |
| gcggatatca  | cgaccgacaa  | catcaatcat | tttaaggtgt  | ttggtggata  | cgacggcaat  | 2356980 |
| tatacaaatg  | tattcaacga  | tgaaaaggta | agtggcagca  | aaggttcttg  | gacttacgat  | 2357040 |
| aatacccagt  | attggacgaa  | cggaaagact | tatacattcc  | aggcatatgc  | accggaagga  | 2357100 |
| gctacggctt  | cggcaacagc  | aaacggtgtg | aattttacag  | gtttcgctgc  | cgacggaaaa  | 2357160 |
| actgaccttc  | tggatatctg  | tgtgaaaaca | gtatcagaag  | tcaatactgc  | atcggaccgc  | 2357220 |
| gaaaaagttc  | aattttcggt  | ccgtcatgtg | ctgtctaaga  | taaagtttac  | attctctact  | 2357280 |
| acactgaata  | atgtaaata   | tgccatctct | gatttgaaag  | ttcagcaggt  | acccaatata  | 2357340 |
| ggtaattata  | ccaacagcgg  | ttctaccgga | tcgtggggct  | ctccgagcgg  | tacgaaagat  | 2357400 |
| tacgacctga  | cagttgcgga  | acaggtaac  | aagagcaatg  | caaaatcgag  | ttcggaatgt  | 2357460 |
| ctagtccctga | aatagcgtaa  | caacaaaaaa | ggtaacatta  | tggaaaagac  | agaaacaaag  | 2357520 |
| tacgttaagc  | gcacacaaaa  | agattacagt | atgtccttta  | aactatcagt  | agtgaagag   | 2357580 |
| tatgaaacca  | caaaaataag  | tttgggagcg | ctgaaacgaa  | aatatgggat  | acaaggatgt  | 2357640 |
| tcaactatta  | gccgttggat  | tgaaaaatat | ggtaactttg  | atatcacaaa  | caaatgttac  | 2357700 |
| catttctatg  | aaaagagtaa  | ggatcaaaaa | ctgttagaac  | tacaacagaa  | agtaaggttc  | 2357760 |
| ctggaacgca  | agaatgcccg  | tctggaaaag | gagcttgagc  | tgaaggatat  | gaaagcagag  | 2357820 |
| tttttcgaca  | tgatgataga  | catagcggaa | aaggaatata  | atatcgacat  | acgaaaaaac  | 2357880 |
| tcctctcccg  | aacagtcaat  | aatataaaag | aagaaaaatc  | cgtaagtatc  | agcggaatct  | 2357940 |
| gccgactgct  | cgggataagc  | aggcagaaat | attaccgtca  | gcaatggaag  | ataatccgag  | 2358000 |
| gccggcaaa   | ggccactgat  | gttgtgggca | tggtacgaga  | tatccgaatg  | gaactgccac  | 2358060 |
| gtgtaggaac  | ccgcaaactt  | tatcatatgc | ttcatcagcc  | acttaaggag  | aacaaggtag  | 2358120 |
| gcagggacaa  | actgttcgat  | atactccgtg | ccaaccgtct  | gcttataaag  | cccgtagctt  | 2358180 |
| catatcatgt  | aacaaccaac  | tcgcatacc  | ggttttcggaa | gcacaagaat  | cttgtagaaa  | 2358240 |
| gtatggaagc  | gacacgccc   | gaagaaatat | gggtttctga  | tattacttat  | attggcaata  | 2358300 |
| gaaaccggca  | tatgtatctt  | tctctggtta | cagatgctta  | ttccaagaag  | attatgggat  | 2358360 |
| atgatctttc  | cgattccttg  | gacactcaag | gttctttgaa  | cgcgctgagg  | atggcaaacc  | 2358420 |
| gcaaccgact  | gtatagggac  | acgccattga | tacaccactc  | tgaccgtggt  | atacagtact  | 2358480 |
| gttccgatgc  | atatcagaaa  | ttactgggac | aatatcacat  | cataccagc   | atgactgaat  | 2358540 |
| cttacgatcc  | gtacgcta    | gccgtggcag | aacgaataaa  | cggaaatacta | aaacaggagt  | 2358600 |
| tcctgcttga  | ggaactta    | ctaccgctat | cagatatgaa  | acaggtaata  | agggatgctg  | 2358660 |
| tctacaagta  | taataacatc  | agacctcatt | actcttgtg   | gtataaaacg  | ccggagtata  | 2358720 |
| tgcatcatca  | gaagctgatt  | aaaattaaaa | gttacaaaaa  | caaacagttc  | agcaagactg  | 2358780 |
| accttgctga  | actgtgataa  | ataatttatt | tttgtccaat  | aactgtaacg  | gttatttagg  | 2358840 |
| actagtcaga  | aattattgtc  | atgcctcaga | cattttctca  | agggctgacg  | gtttcattta  | 2358900 |
| aagttacggt  | taccggagga  | ttgtcgctga | cagctgatca  | taccgtgaca  | ctgcctacca  | 2358960 |
| cagcatggga  | agaaggcaaa  | tgctacaatt | acaaggctga  | gctgactcct  | gagaacatcg  | 2359020 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| acccgctgaa  | cccgttgaaa  | cccgttgagt  | ttggtgatcc  | gactgtggat  | ggttgggagc  | 2359080 |
| cgttcactga  | tgatgatggt  | accgttgctc  | aaccttaatt  | ttaagcatcg  | gatatagata  | 2359140 |
| tactgattga  | gcattaacag  | caagaggatg  | catccggttac | aggggtgtgtc | ctctttttgta | 2359200 |
| ttgtcataaa  | tatcattata  | aactataccc  | taaaaaaaca  | aatactctct  | ttttcctcat  | 2359260 |
| tcataacaaa  | cacataaatt  | ttggttatat  | ggctattata  | tttcaacaaa  | tagttacaaa  | 2359320 |
| tacacttata  | caacaaaaca  | attctctttt  | tgtttgccga  | aaatctgcac  | aaaaaatcct  | 2359380 |
| cttttttcgt  | tccaaaagtt  | tccagcagcc  | gataaagccg  | tcttatacag  | gcttatagaa  | 2359440 |
| gctagtgcgac | atgacctttt  | ttttcggaa   | acttcattaa  | aaagtgtaaa  | gagaacacga  | 2359500 |
| aaactgctgc  | aatcgggtatt | tttcaacgca  | cggcaagaaa  | gggagattac  | atttttttat  | 2359560 |
| acctttgctc  | tggttaagcat | gactgatcat  | aaaaacaagc  | atatctacac  | aatgaaaaaa  | 2359620 |
| ctgattgcat  | tattctgcct  | gctggctttc  | gtcatcggag  | tgcaggcaca  | gcgtaagggtc | 2359680 |
| agcctccagg  | atgtggcaca  | aggtacctat  | cgtgcacaga  | acatctacgg  | catcaagccg  | 2359740 |
| atgctggacg  | gcgagtttta  | tacgcaaagt  | agtgtgata   | agaaacgtat  | cgtgaaatac  | 2359800 |
| tcgttcaaga  | cgggcaagga  | ggtaggaacg  | gtattcgacg  | tgactacggc  | aagagattgt  | 2359860 |
| ccggtcaaga  | cattcgacga  | ctacatcatg  | tcgcccagcg  | agaaactgat  | tctgatccag  | 2359920 |
| acggaaaacga | aacctatcta  | tcgtcattcg  | tttacagccg  | aatattacat  | cttcaacgtg  | 2359980 |
| agaaacaaca  | agatggaacc  | gctttcga    | aacggaccgc  | aacagggtgcc | gctgttctcg  | 2360040 |
| cccgcaggtt  | ttcaggtagc  | tttcgtccgc  | aacaacaaca  | tttttctggt  | caagctgttg  | 2360100 |
| tttggaaca   | gtgaatcgca  | ggtaactaag  | gacggtgaat  | acaataaggt  | gctgaacggt  | 2360160 |
| atccccgact  | gggtgtacga  | ggaagagttt  | tctttcaacc  | gtgcttccga  | cttcagtgtc  | 2360220 |
| gacagcaaga  | tgattgctta  | tatccgtttc  | gacgagagtc  | aggtaccgat  | gtacagcttc  | 2360280 |
| ccgtggtaca  | agggatggc   | gcccgaag    | agccagtatg  | ccacttatcc  | gggtgcgtac  | 2360340 |
| gaatataagt  | atccgaaggc  | aggagaagta  | aactcgaagg  | tgagcgtaca  | tacgtacgac  | 2360400 |
| atcaagagcc  | acgttaccgc  | caaatggat   | ctgccgctgg  | attccgacgg  | ctatatcccg  | 2360460 |
| cgcatacaagt | ttacgtccga  | tccggaaaag  | cttgccatca  | tgacgctgaa  | ccgtcatcag  | 2360520 |
| aaccggttcg  | atattttacat | ggctaaccgc  | agaagcgcgc  | tgtgcaagct  | tgccatccgc  | 2360580 |
| gacgaagctg  | aacagtatat  | caaggaacag  | gcttactccg  | atatcgtatt  | ctatccggaa  | 2360640 |
| catatcgtga  | tgatgagcga  | acgtgacgga  | tataaccact  | tgtatctgta  | taccatagcc  | 2360700 |
| ggcaatctgg  | taaaacaggt  | taccaagggt  | aaattcgaag  | tgaaggattt  | cttaggttgg  | 2360760 |
| gacaagcaga  | ccaatacgtt  | ctattatacc  | agtaatcagg  | aaagcccgtc  | gcgtacagct  | 2360820 |
| gtctacaaaa  | ccgatgca    | ggacaagaca  | accaagctgt  | ctactcgcac  | gggaaccaat  | 2360880 |
| tcggctatct  | tcagcagcga  | ctgtcgtac   | tatatcaaca  | agttctccaa  | catcgatacg  | 2360940 |
| ccgacgctga  | ttaccgtcaa  | caacaacaag  | ggtaaggaa   | tggctacgct  | aatggacaac  | 2361000 |
| gcaagctga   | agtcacaact  | ggctacgctg  | aacatgccga  | aaaaggaatt  | cttcaccttc  | 2361060 |
| cgcactaccg  | agggagtggg  | actgaacggc  | tggatgatga  | agcctgccaa  | cttcgacgcg  | 2361120 |
| agcaagaagt  | atccggtcat  | catgcaccag  | tacagtgggtc | cgggctcgca  | agaagtgttt  | 2361180 |
| gatgcctgga  | acatcggaag  | ttccagcgac  | ggaggtatgt  | ttgaagccta  | catgtgacgac | 2361240 |
| aaagggtata  | tcatggtctg  | cgtagacgga  | cgtggcacgg  | gcggacgtgg  | tgccgaattt  | 2361300 |
| gagaaatgta  | cgtactgctt  | cctgggtgtg  | aaggaatcgc  | acgatcaggt  | ggaagcagcc  | 2361360 |
| aaatacctag  | cttactgccc  | ctacatcgac  | ggcaatcgta  | tcggtatctg  | gggatggagc  | 2361420 |
| tacggaggtt  | acaacacgct  | gatgtcgatg  | agtgaagggt  | cgcctgtctt  | caaagcgggt  | 2361480 |
| gtggctattg  | ccgctccgag  | cgactggcgt  | ttctacgata  | cggctctatac | cgaacgcttc  | 2361540 |
| atgcgtaccc  | cgaagaaaa   | cgggtgaaggc | tacaacgccg  | gttctgccat  | tctccgcgct  | 2361600 |
| ccgaagctgc  | acggcgacct  | gctgctgata  | catggtacgg  | ccgacgacaa  | cgttcactac  | 2361660 |
| cagaactgcg  | ccgagtacag  | tgaagcactg  | gttcaggctg  | gcatccagtt  | cgacatgcag  | 2361720 |
| gtgtatacca  | accgcaacca  | cggatatctg  | ggcggaata   | cccgtaatca  | cctgatgaac  | 2361780 |
| cgcgttgcca  | atttcttcat  | cgaaaaactg  | aaataaacta  | tttgtatcat  | acagagttat  | 2361840 |
| gaggaattaa  | aaggtttcgc  | ccagacattg  | cggcggattt  | taattcctca  | tttctcgttt  | 2361900 |



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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| ttatccctta  | acgctatgga  | acacgtaaag  | aagcccgaat | ggctgaaaat  | atccatcggt  | 2361960 |
| accaatgccc  | gctataccga  | gaccaaacgc  | attgtcgata | cacataaact  | gcatacgata  | 2362020 |
| tgcagcagtg  | gacgctgtcc  | gaacctggga  | gaatgctggg | gaaagggaaac | ggctaccttt  | 2362080 |
| atgatagggg  | gtgccatctg  | tacacgctcg  | tgaagtctt  | gcaacacgct  | cagcggaaaa  | 2362140 |
| ccgctcccg   | tcgatgcaca  | agaacctgcc  | cgtgtggccg | aatcggtacg  | gctgatgaag  | 2362200 |
| ctggatcatg  | ccgtcgtcac  | ctcgggtggac | cgtgacgacc | tgccctgactt | aggggctgct  | 2362260 |
| cactgggagg  | ctaccattcg  | tgccatcaag  | gagctcaatc | cgaatacgac  | gctggaaacg  | 2362320 |
| ctgattcccc  | actttcaggg  | acgggaggaa  | ctgatccgca | tgggtgaccga | tgcccggccc  | 2362380 |
| gacatcatct  | ctcataacat  | ggaaaccgta  | cgccgcatca | ctccgctggt  | aagaagcggtg | 2362440 |
| gcaacgtacg  | accggagctt  | ggagggtgatc | cgccggatag | ccgaaagcgg  | catcactgcc  | 2362500 |
| aagtcgggta  | tcatggtggg  | actgggagaa  | acacccgacg | aagttgagca  | gaccatggac  | 2362560 |
| gacctgctgg  | ccaacggctg  | ccgcacccctg | accatcgac  | aatatctcca  | gccagccgg   | 2362620 |
| aaacattacc  | ctgtacacga  | gtacgttacc  | cccgaacagt | ttgcccgtta  | caaggaaacc  | 2362680 |
| ggcgaaaaaga | aaggatttgc  | cactgtagaa  | agcggctccg | tgggtacgttc | ttcgtatcat  | 2362740 |
| gccgaaaaac  | acatccgcta  | caagtgaaca  | attcgaaaa  | gaaccttggt  | acacctataa  | 2362800 |
| aaaaatcaag  | gcagatgatg  | aaacttatat  | tgaatacag  | aaacaagatt  | gtatcgctcg  | 2362860 |
| gactattacc  | tatcatagca  | acattgattt  | gtttgcattt | tttccagaat  | accatcgtag  | 2362920 |
| tgggaatagg  | cttcgcagtc  | tgtgtcggtc  | tgtgttgta  | tggcatcatc  | cgctgaagg   | 2362980 |
| atctgaattt  | tttcctgctg  | ctgggtagtg  | taggcatagg | agcctgcttc  | gcattgcgcc  | 2363040 |
| tgttcaccgg  | ctacgagttt  | gtaccgctgg  | gaagcatcac | tcctattctg  | gagctgctgc  | 2363100 |
| tgtcatcgt   | ggcattcatc  | cacatcacgg  | caccgaagt  | atacaaggaa  | ttacaggagc  | 2363160 |
| gactgcacct  | gaggaaactgc | ttctcgttcg  | tgctggaggc | aaagaccatt  | gtcattctct  | 2363220 |
| cggcattgca  | tctcacgatt  | ctgcttttcg  | tcgaccacat | cgaccatctg  | ttttcggaag  | 2363280 |
| acggttcctt  | cttcctgatg  | tacggcatac  | cagttattat | ctatattctc  | tgtctgggta  | 2363340 |
| tcaacgtggg  | aggcattcat  | ctggcacttc  | aggagaattt | ccgttacagt  | ctggtacgca  | 2363400 |
| ttgcagtggt  | tcacgacgga  | aagatttacc  | tgaagcagcg | caatgactgt  | accggcaatg  | 2363460 |
| ataccgaggg  | aactcccgtg  | tgggacatcg  | ccgtggaaag | tccgttcgaa  | ggaccgctcg  | 2363520 |
| acaagagcaa  | tgaatatgcc  | gcacgcattg  | ccaaaaagat | atgcacctcg  | aagcacatca  | 2363580 |
| gtccgcgcct  | catcctgaga  | tacaccacta  | ctcccagcga | tgccgatacc  | cggcagcgcg  | 2363640 |
| tatcgctgta  | cattcttccg  | cttcaggaca  | aggacgaact | ccgcaaggcg  | accgaaggca  | 2363700 |
| gattcttttc  | cttcgacgag  | ataaatgaaa  | ccgccgtacg | gagatacaat  | ccagccctgc  | 2363760 |
| tttcggaact  | ggatgccctg  | cagatggcgg  | cgaaaatgtg | gcagacattc  | ggcagtgccg  | 2363820 |
| actaactgct  | tcttacttat  | aaatcaaaaa  | gatgcacgga | atctttgtca  | ggtcgggcaa  | 2363880 |
| ttgcttcttc  | cactcctgaa  | ccgttttggt  | cttaatatat | tctccctcgc  | aggtaatggt  | 2363940 |
| ggcagccacg  | cagaccttgg  | tttgcgagcg  | gcaggctttc | agaatgtctt  | ccagcatctt  | 2364000 |
| gttgttgcca  | tagggagttt  | caatgaaaag  | ttgtgtctgg | tgctcgctgt  | acacacgctg  | 2364060 |
| ctccagttcc  | ttcagccggt  | tctggcggtc  | gcccggctcg | atggggagat  | agccgtggaa  | 2364120 |
| agcaaagctc  | tgtccgttga  | atcccgaacc  | catgaccgac | aggatgatag  | acgacggtcc  | 2364180 |
| caccagcggg  | accaccttga  | ggttccttgc  | ctgcgcgatg | gctactacgt  | cagctcccgg  | 2364240 |
| atcggctacg  | gcaggacagc  | cggcttcgga  | aatcaccccc | atggaatttc  | cttcctgcaa  | 2364300 |
| aggcttcagg  | taaccgcgaa  | tggcttcggg  | cgaggatagc | ttgttcagcg  | gataaaacgt  | 2364360 |
| cagttcgtcg  | atgttgatgt  | cacggctctac | ctttttcagg | aaacggcggtg | ccgagcgcac  | 2364420 |
| atcttccaca  | ataaaatgac  | ggatctgaag  | aataatctct | ttgttgtagc  | aaggaggagc  | 2364480 |
| tttctctacc  | ggagtatcgc  | caagggtaac  | cggcagcaaa | tataatgctg  | tatccatgta  | 2364540 |
| atctatattc  | taatttggtc  | tagctcagtc  | taacgtcacg | ttgccgagat  | cggtagcttc  | 2364600 |
| cagcaatgtg  | gcaatgctta  | cgtcgggatg  | cttcttcatg | tacctttcgg  | tcagccgcac  | 2364660 |
| gccagccac   | agcccgacaa  | caggaggcag  | tttctcaccg | ttgagaatca  | tgttcgggtc  | 2364720 |
| ggaatgagtg  | taggcacgga  | tcagcatcgg  | gtcggtagtg | ctcagatgac  | ctcgtcagc   | 2364780 |

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|             |            |             |            |            |             |         |
|-------------|------------|-------------|------------|------------|-------------|---------|
| catccacttc  | aacagttcct | ttccatgctc  | cttgcaccag | ttctcctcct | tttcggtata  | 2364840 |
| tcccagcgct  | tcgccgttcg | tcttgtagcc  | aagtgcctga | cgcaccaccc | agtgtatctt  | 2364900 |
| tccctgatgc  | aagatgacat | cgtacagcga  | acggtgcccc | ggacgccact | cgaaggata   | 2364960 |
| caagctaagc  | agataaaaag | taaagcaatc  | gggaaggatg | cgctcgggtg | tcatcgaccg  | 2365020 |
| gcgctgataa  | tcataataat | accgtcggta  | aagcggatag | ttctcccca  | tgtatttatc  | 2365080 |
| gaggctgaac  | cccagcagac | tgtcgccac   | cactaccgac | tggttcaagg | ccgagatttg  | 2365140 |
| cgaatagacc  | gccggtacgg | gaaaagcggg  | aatctcctct | ttcaggaagc | ggaaccgctc  | 2365200 |
| ggtaaatccc  | ttctcgaggg | tagtcataatc | cttgaatttc | tcggtagcat | cctgcatgat  | 2365260 |
| acggagcaga  | atggtatctg | agtaataagc  | acacagcctt | tcgttgatgt | taggttcgctc | 2365320 |
| cacacgcccc  | agcatgagca | catcctctat  | caggattttg | gtggcacgcg | gacagtcgag  | 2365380 |
| gctcattttc  | tgcaaggcag | ccaggctgtt  | catggctgta | gcctcgact  | gaagacggctc | 2365440 |
| gtaacgga    | acttttatac | ccttatcaag  | caaacatcg  | tcgccttgct | ctcctgtatg  | 2365500 |
| gcaggaaaca  | agtacgacga | tgctcagtaa  | tatgaatata | aattttctca | tgtaaacagt  | 2365560 |
| tgtccgtcag  | cttttatccg | tagataatat  | gtccattttc | gtctttgtat | tcatccagac  | 2365620 |
| ccttttcgta  | agtagccatg | gcacgaagac  | tcatacctac | gctggagaaa | cctccgtcgt  | 2365680 |
| ggaacaagt   | ctgcatagtc | accttgctg   | tcaggctcga | gaacattacg | atacagtaat  | 2365740 |
| cggcacattc  | gtcagccgaa | gcgttgccca  | gcggcgacat | acggttgga  | aagtcgaaca  | 2365800 |
| gtttgtccat  | accctttaca | cccgatccgg  | cagtagtcat | ggtaggcgac | tgtgagatgg  | 2365860 |
| tgttgatacg  | tacatttgt  | tcacgtccgt  | agatgtaacc | aaagctacgt | gcgatagatt  | 2365920 |
| ccagcaatgc  | cttggcatct | gccatgtcgt  | tgtaacgta  | gaatgtacgc | tgtgcagcca  | 2365980 |
| cgtagctcaa  | tgccaggata | gaaccgtatt  | cgttgatggc | atccagtttc | ttggccgact  | 2366040 |
| gaatcatttt  | atggaatgaa | atagctgaaa  | tatccagcgt | cttgttcaac | atatcatagt  | 2366100 |
| cgaggtcac   | gtaagtacgt | ttcttgctga  | cgttaggcga | cataccgata | gagtgcagta  | 2366160 |
| caaagtcgat  | cttgcctccc | aatacttcca  | tcgaacgctt | gaaaacattt | tccaagtctt  | 2366220 |
| ctacgctgg   | agcatcagca | ggaatcactt  | cgcagttcag | tttttctgcc | agtgcggaaa  | 2366280 |
| tctcgcccat  | gcgtactgca | accggagtgt  | tcgacagcgt | aatcattgct | ccttcttcta  | 2366340 |
| cagccttttc  | tgctactttc | catgcgatag  | actgttcgtt | cagagcccca | aaaacaatac  | 2366400 |
| ctctttttcc  | tttcagtaaa | ttataactca  | tacttttttt | attataaatt | tggggacaaa  | 2366460 |
| gatacaaaaca | attctggtaa | ctctgccata  | ttcagacatt | aatctgcaaa | aataggacaa  | 2366520 |
| tattcccccc  | tatcagacga | aataatacat  | attttgtcaa | ttttttatag | ggaaaaaaga  | 2366580 |
| tacaaatgca  | catttttttc | acctattcag  | tcaaaatatt | cacatcattt | tcaaggaaag  | 2366640 |
| cccgtactt   | tgtgacaaaa | gcaagagggt  | tttcataata | tttattaagg | ttagaaatta  | 2366700 |
| ggttataaaa  | agtcctttat | atcctgtctg  | tcaatcttct | gcgagagaat | gttgacaggc  | 2366760 |
| tataaggata  | ataactaata | agaaaagctt  | ctatattata | tataaagaaa | cctaagcaaa  | 2366820 |
| agcaagaaga  | acaaaacaaa | ccaatatatc  | actaaacata | ataatacgct | catgattaca  | 2366880 |
| ctgaacaatt  | ttttcaaaca | atgggtattc  | tctataggca | ttgctaccct | tgcattagga  | 2366940 |
| tttccggctc  | gtgtagctgc | tgagaacatg  | aacgacacag | ataatatcta | caatgaactt  | 2367000 |
| ccgttccaga  | tgaatgcagt | acaactgcc   | gtattcctcg | attacactcg | ctccatcacc  | 2367060 |
| gaatttggtg  | ctgtagccga | tggcatcacc  | ctcaatactg | aagctttcga | caaagccatc  | 2367120 |
| aaggcgggtg  | ccgagaaagg | tggcggaag   | gtaatcgctc | ctgccggact | ctggctgacc  | 2367180 |
| ggaccgatcg  | tgctacaaag | caacattcat  | ttatatttgg | aagaaaacgc | gctgatcttg  | 2367240 |
| tttacagccg  | accatacaca | gtatcctatc  | atcaagacat | cgttcgaggg | actggagaca  | 2367300 |
| cgccgttgcc  | aatcgccaat | atcggctgtc  | aatgctgaga | acgtggctat | caccggaaaa  | 2367360 |
| ggggtcatgg  | atggaaacgg | agatacatgg  | cgtccggtaa | aaaaaggaaa | gatgaccggt  | 2367420 |
| ggccagtgg   | agagactggt | cgcttcggga  | ggcgactcg  | ataaggccgg | agaagtatgg  | 2367480 |
| tatcccagcg  | aaggttcaat | gaagggtgcc  | atggcatgca | agaacttcaa | cgtgcccga   | 2367540 |
| ggaatcaata  | ccgatgagga | atggaacagc  | atacgcgact | ggctgcgccc | ggtactgctg  | 2367600 |
| agtttcaaaa  | aatgtaaaaa | ggtgctgttg  | caaggcgtaa | ccttcaagaa | ctcgccaagc  | 2367660 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tggtgcctgc  | acccgctgtc  | gtgtgaagac  | attaccattg  | acggagtaac  | ggtttccaat  | 2367720 |
| ccgtggtact  | cgcagaacgg  | cgatgcgctc  | gacctggagt  | cgtgcaaccg  | tgcgctgatt  | 2367780 |
| gagaacagca  | gcttcgatgc  | gggcgacgac  | ggtatctgcc  | tcaagtcggg  | taaggacgaa  | 2367840 |
| gacggacgcc  | gccgcggtga  | gccttgccag  | aacgtgatta  | tccgcaacaa  | tgctgtgctg  | 2367900 |
| cacggtcatg  | gcggcttcgt  | agtgggtagt  | gaaatgtcgg  | gtggcgtaaa  | gaatatctat  | 2367960 |
| gtagacaact  | gtacatttct  | gggtacagac  | gtcggactcc  | gcttcaagag  | taccgcgga   | 2368020 |
| cgtggcggtg  | tggttgagaa  | tatccatata  | agcaacatca  | acatgatcaa  | cattccgaac  | 2368080 |
| gagggactga  | tcttcgactt  | gttctacggc  | ggcaatgtct  | cgggtgaagg  | tgacggatac  | 2368140 |
| aacaatccta  | cgaacgaaaa  | ggtgcctgcc  | gttacggaag  | aaacgccggc  | gttccgcgac  | 2368200 |
| atcttcatca  | agaacgtaac  | agccaagaat  | gtaggacgcg  | ccattctgtt  | caacggtctg  | 2368260 |
| ccggaaaatgc | cgatcaagaa  | catacacatc  | gaaaacgtca  | cgatgtcggg  | tgccaaaaaac | 2368320 |
| ggtgtgatac  | tgaaccgtac  | cgacggagca  | acattgaaaa  | atgtcaaaaat | cataacttca  | 2368380 |
| aaggggtggca | acaacctgaa  | actacagaat  | gtgaaaaacg  | taactgtggg  | taataaacia  | 2368440 |
| tataaggagg  | taggaaatca  | ggctgaatcg  | tatacattct  | gatccgggtt  | ccttcctgaa  | 2368500 |
| aaggacgaca  | aagggctctgt | aaacatccgg  | ttcaagtatt  | ccgacttgct  | gcttatgttt  | 2368560 |
| gcagatcctt  | tcttcctttt  | actttttttac | gataatcatt  | ttatcttcca  | aggagaactt  | 2368620 |
| tccggtctgg  | cttgtccgga  | caacgaggag  | tttgaccgag  | cgaactactaa | aaaattgaac  | 2368680 |
| gtagcatgaa  | aatcatctca  | atagcctgcc  | tggtactgct  | gacaggagga  | ctgagtgtct  | 2368740 |
| cggcacaagg  | tttggaagaa  | aaaattcagg  | tcgtggtgga  | aatccatgg   | aacgccgaaa  | 2368800 |
| aggtggacga  | gccggtggta  | atcgacctcg  | ggagtctggg  | taccggattt  | acggtcaagt  | 2368860 |
| cggctgtcgt  | acgcgacggt  | agcgtggaga  | taccttccca  | gctagacgac  | atggattgtg  | 2368920 |
| atatgctgtc  | cgacgaactg  | gcttttgtca  | tcaacctgcc  | ggcttcgagc  | aagaagacac  | 2368980 |
| tcgacattac  | gctttccagt  | ctcaagagcg  | acaagcaata  | tccggcgcg   | gtatatgccg  | 2369040 |
| agatgttggt  | ccgcacgtcg  | aagaaaaaca  | agtatgccaa  | ggggtatgcc  | atttatgccg  | 2369100 |
| acggagcttc  | ggacacgtac  | aacgtgcagc  | atcatcacgg  | ggctgccttc  | gaaagtgaac  | 2369160 |
| tggtggcgta  | tcgtatttat  | ttcaacgaga  | agcagacaac  | cgacttgtag  | gggaagtcc   | 2369220 |
| ataaggggct  | ggaactggag  | gatagtcagt  | tctatcctac  | cgacgagcag  | ctgaagcgtg  | 2369280 |
| gcttcggaga  | cgatgttatc  | aaggtgaaca  | gcagttgcgg  | agccggaacg  | ctgaggggct  | 2369340 |
| gggacggaaa  | gcagtctacg  | ctcatcaagc  | cggtagccgt  | acgcggacag  | cgcattcttg  | 2369400 |
| cttcgggacc  | ggtacgtact  | gtagtcgatg  | ccgaggtgaa  | aggctggcag  | tatgccggaa  | 2369460 |
| aggaactgaa  | catgataaac  | cgctatacgc  | tgtatgccgg  | acaccgcgac  | gcacagggtg  | 2369520 |
| atgtgctgtt  | cgacgagccg  | ctggacaagg  | aagtattctg  | taccggcggt  | cagaacatta  | 2369580 |
| ccggacatgc  | tgatatgttt  | tccgaccaca  | aggactgggt  | ggcaagctgg  | ggtaccgact  | 2369640 |
| ggccggtgaa  | cgatacgata  | aagtataaga  | aggaaaccgt  | gggactgggt  | acctgcattc  | 2369700 |
| cgcagaaaata | tgtggtgaag  | gaaacagccg  | acaaggagaa  | tttctcttat  | accgtcagtg  | 2369760 |
| cccccgga    | acgttcgttc  | cgctactata  | cctcgttcac  | ctcgtgtaag  | gaaaccttcg  | 2369820 |
| gatatcccgga | caaggagaaa  | tggtttgcct  | acgtgcaaga  | gtggaaaaag  | gcgctggaac  | 2369880 |
| aacctgtccg  | catcaccatc  | gtaaagaaat  | agaacagtca  | caacactaac  | acaaatctgc  | 2369940 |
| cggcacagaa  | aaacgttatt  | aaataaataa  | aaaagccggt  | aagtcagctt  | cactattcgt  | 2370000 |
| ctgattgaac  | agtgaagctg  | attgtatgaa  | aaacaattca  | ttaacttaac  | atcgattacc  | 2370060 |
| tatgaaagct  | atcgtatttt  | ctatcttgct  | gggaagctgt  | ctcgttcctg  | ccgtacaggc  | 2370120 |
| acagaactat  | gtgtcgaagg  | tatgggtggc  | cgatcagggg  | aacggcacat  | acaagaatcc  | 2370180 |
| cgtgctgtat  | gccgattatt  | ccgaccccgga | cgatgcccgg  | gtgggcgatg  | acttctatct  | 2370240 |
| gacgtcgtcc  | agctttggct  | gcctgccggg  | attacagatt  | ctacactcca  | aagacttggt  | 2370300 |
| aaactggacc  | atcgtgggag  | ctgccgtacc  | gcggctcgctg | gctccgcata  | ccgatacggc  | 2370360 |
| tcctcagcac  | ggcaatcgtg  | tatgggtctc  | gtgcatccgt  | caccacaaag  | gcgagttcta  | 2370420 |
| tattttctgg  | ggtgatcccg  | atcagggtat  | cttcatgacc  | aaggcaacag  | acgtcagagg  | 2370480 |
| tccgtggtgc  | gaaccggtgc  | tggtcaaagc  | tgccaagggc  | atcatcgata  | cgactccgct  | 2370540 |

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|            |            |             |            |             |             |         |
|------------|------------|-------------|------------|-------------|-------------|---------|
| gtgggacgac | gacggacggg | tgtatctggc  | tcatgcctat | gcggaagcc   | gtgcgggact  | 2370600 |
| gaagagtgtg | attgccgtat | gcgagctgag  | tgccgacgcg | acccgtacca  | tcggaccgtc  | 2370660 |
| acgcatcgta | ttcgacggtc | acgaagcgca  | tcaaacctgc | gagggaccga  | agttctacaa  | 2370720 |
| gcgcaacggt | tattattata | ttttccatcc  | ggcaggcggt | gttcctacgg  | gctggcaggt  | 2370780 |
| agtactgcgg | tctaaaaacg | tatacgggtcc | ctacgaatgg | cgaacgggtac | tgccacaggg  | 2370840 |
| aaacagtccg | gtcaacgggc | ctcatcaggg  | tggtatgggt | gatacgccca  | gcggagaaga  | 2370900 |
| ctggttcctg | cattttcagg | atgtgggggc  | tgccggacga | ctggtgcacc  | tgcaaccgat  | 2370960 |
| gaagtgggta | gacgactggc | ctgtcatcgg  | tgaggacaag | gatggcgacg  | gttgccggaga | 2371020 |
| gccggtactg | acttacggga | aaccgaacgt  | aggcaagaca | taccctat    | gtacaccgca  | 2371080 |
| ggaaagcgat | gagttcgata | ccaacgagct  | gggcttgcat | tggcagtgg   | atgccaacat  | 2371140 |
| cgacgacaag | tggtat     | ccgatcagga  | acacggggta | ctgcgtctgt  | attcgtatcc  | 2371200 |
| ggttcccag  | acctacaaga | gtctatggga  | tgtgccgaac | atgctgttgc  | agaaattccc  | 2371260 |
| cgccccag   | ttcagcgcta | ccttgaagct  | gaagttctcc | cccatgcca   | agtacaaagg  | 2371320 |
| cgaacgtacc | ggactgggtg | taatgggtat  | ggactatgcg | ggtatcgtac  | tggaataac   | 2371380 |
| cgaaaacgga | ctggttctct | cgcaggtaga  | atgtaagaaa | gccgaccgtg  | gaggtcagga  | 2371440 |
| aactgtcaac | gaaacacttc | cgctgaagga  | acatgaaatc | tacctgcgtg  | ccgaaatcac  | 2371500 |
| cactacgggc | gagaagatca | gcaagagcga  | aggcggacac | gacctggtag  | tgatgtgcca  | 2371560 |
| gctgagctac | agcaccaacg | ggaagaagtt  | ccataagttc | ggaaaagaat  | ttcaggtgaa  | 2371620 |
| ggaaggcaag | tggtacgggt | ccaaggtagg  | tacgttctgc | acgcgtccag  | ccatcacgac  | 2371680 |
| caacgacggc | ggatgggag  | acatcgactg  | gttcagaata | gacaagtaat  | atctcctgat  | 2371740 |
| tttttacaaa | aaataaaaaa | acatgcccg   | gttttcggga | aaacttgccg  | acgttttcgg  | 2371800 |
| aaaaatatgg | gcatgttttt | ttcgtacatc  | aggcacgttc | tttttgcgca  | ttggaaaata  | 2371860 |
| ctttcactta | tccgcacatt | tttccctcat  | ccgcacaata | cactttctct  | gctaatacgca | 2371920 |
| agacatatat | tttttgctcg | ctagcacagc  | atacat     | cactcaccga  | tacaatacac  | 2371980 |
| ttcttctacc | aatcgcaaga | catat       | ttgctcgcta | gcacagcata  | catttttcac  | 2372040 |
| tcaccgatac | aatacacttc | ttctaccaat  | cgcaagacat | atattttttg  | ctcactagca  | 2372100 |
| cagcatacat | tttccattca | ctagcacagc  | agcgcacctt | ttccgctagc  | aagcacata   | 2372160 |
| caaaaaaggc | ccggaaatct | cacgacttcc  | gaacccttat | atgcaaaaat  | acaaaatatt  | 2372220 |
| attcttatga | ttcttttact | tcccaacca   | gtgcgctggc | tcccaatacg  | gcagcatctg  | 2372280 |
| cgctcttcaa | ctgagaaagg | agtaatttgg  | ttttaccctt | gtagatgttc  | agcacatttt  | 2372340 |
| cttcgagggc | tttcttgata | ggcttcatga  | tgtagtcgcc | cgacttagcc  | agaccgccga  | 2372400 |
| acaagatgat | tgcttcaggg | cttgagaaag  | ctacaaagtt | agccagagca  | gttcccagaa  | 2372460 |
| tggttccgg  | atattcaaag | atattcatag  | ccagcttgtc | acccttcaca  | gctgcatcgt  | 2372520 |
| atacatcttt | cgactgaatt | tcttccgacg  | gaatgtttct | cagcaagctt  | ggttcagaac  | 2372580 |
| gtgcaacgag | gaattcacgt | gctgtacgag  | ccacacctgt | agccgagcag  | taagt       | 2372640 |
| gacagccttt | acgaccgcat | ccgcactgac  | gacctgtagg | atctacgata  | acgtgtccca  | 2372700 |
| gctctccggc | aaaaccatcg | tgaccgtaaa  | ccagctgacc | gttgataacg  | ataccgctac  | 2372760 |
| caacaccagt | acccagtgtg | atcatgatga  | aatccttcat | accgcgagct  | gcaccgtatg  | 2372820 |
| tcatttcacc | gatagctgcc | gcattggcat  | cgttggctag | tgccgtaggg  | ataccagac   | 2372880 |
| gttcttcgaa | catggcagcc | agaggaataa  | cccccttcca | tggaagttc   | ggagcaaatt  | 2372940 |
| cgatagtcc  | actataatag | ttaccgttag  | gagcacctac | tcccatacct  | ttaatttttt  | 2373000 |
| ctgcaccgcc | gaattgctgg | agcaacggaa  | gaagtttctt | gcatacagcg  | tctacatatt  | 2373060 |
| cgtttacatc | actgtactgc | tgtgttttta  | ctgaatcgga | agccagtaca  | ttaccacgag  | 2373120 |
| aatctaccac | accgaaaaca | gtattagtag  | caccgatgtc | cattccctact | acatagggtt  | 2373180 |
| tttccatatt | tattgtcatg | acattaaatt  | gttaaagggt | agttatatgt  | ggcaaattgta | 2373240 |
| ctcaatcgga | gaaaaccgaa | caaatttttt  | gataagttta | tttaaccctg  | atgtaacttt  | 2373300 |
| ttatatctta | gccgcgtcta | acgatacgta  | gttcaagaca | ctaaatacat  | tccaatatga  | 2373360 |
| tacgattaca | gggcatcaac | aaaacatatt  | ataacggagc | accgcttcat  | gtactgaaag  | 2373420 |

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|            |            |            |            |             |            |         |
|------------|------------|------------|------------|-------------|------------|---------|
| gcatcgactt | acagattgat | aaaggagaat | ttgtttccat | catgggagct  | tcggggtcgg | 2373480 |
| gtaaatctac | tttactaaat | atattaggta | ttctcgacaa | ttacgattcg  | ggggaatatt | 2373540 |
| acctgaacga | cgtactgata | aaggatctga | gcgaaacgcg | cgcggcagag  | taccgtaacc | 2373600 |
| gcatgatcgg | gttcatcttc | cagtcgttca | acctgatttc | gttcaagaat  | gccatggaga | 2373660 |
| acgtggcact | gccgctgttc | tatcaggggg | tgggacgaaa | gaaacgcaac  | gaactggcga | 2373720 |
| tggagtatct | cgacaagctg | ggactgaagg | aatgggcgca | tcacatgcc   | aacgagctct | 2373780 |
| cgggtggaca | aaagcagcgt | gtggccatcg | cacgggcact | gatttcgaag  | ccgcagatta | 2373840 |
| tcctggccga | cgagccgacc | ggtgcgctgg | acagcaagac | ctcgggtggag | gtgatgaaca | 2373900 |
| tcctgaagga | gctgcacgac | cgggaaggat | tgaccatcgt | ggtggtgacg  | cacgagagcg | 2373960 |
| gggtggcaaa | ccagaccaac | aagatcattc | acatcaagga | cgggggtgata | gaacggattg | 2374020 |
| aagacaacat | cgaccacaat | gcctctcctt | tcggcaagaa | cggtttcatg  | aaataaacag | 2374080 |
| acggttatga | cagacttgat | acaagaaata | tacggtacca | tcatgcgcaa  | caagctgcgt | 2374140 |
| accattctga | cgggcttctc | ggtggcatgg | ggcatcttca | tgctgattgt  | gctgctgggt | 2374200 |
| gccggaacg  | gactgataca | tgccttcgaa | ggacagtcga | gcagaatgaa  | gatgaattcc | 2374260 |
| atcaagattt | atccgggata | cacgtcgaaa | cctttcaagg | gacttcagga  | gggcagacgc | 2374320 |
| ctctcgctcg | acgaaagcga | ccggcagctc | accacagagg | ctttcccaa   | caatgtgacg | 2374380 |
| tcgacgggag | ccagcgtaag | caaggagggg | gctatcctga | ccttcggcaa  | ggagcatgta | 2374440 |
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| gaaggacgtt | tcataacga  | ccgcgacatg | aggaacggc  | gcaaggtgct  | ggtgctgcac | 2374560 |
| gagaagacgg | tccgcatgct | gtttcccaag | acggaagcgc | tgggacagta  | cgtcgacgtg | 2374620 |
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| gcaactgtac | cttttacgac | cgtccagctg | gtatacgga  | agggcgacag  | catcgacaac | 2374740 |
| ctgacgtttg | ccaccgaagg | gctgaccgac | gaggtgacca | accagaagtt  | tgaaacggat | 2374800 |
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| atgtggaacc | gctttacaca | gtacctccag | cagcagtcgg | ctaccacat   | tctgcacatc | 2374920 |
| gccatctggg | taatcggcat | attcacctg  | ctgagcggca | tcgtgggctg  | gagcaacatc | 2374980 |
| atgctcatca | ccgtgcgcga | acgtacgcac | gagttcggca | tccgcaaggc  | actgggagcc | 2375040 |
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| ggctacatcg | gcatggtggc | aggcatcgcc | gtcacggagt | acatgaacca  | ggtaacgggc | 2375160 |
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| ctgagcatcg | ccgtccaggc | taccctgaca | ctgattatcg | ccggtacgct  | tgccggactc | 2375280 |
| ttccccgccc | ggaaggcagc | ccgcatccgt | ccgatagaag | cattaagagc  | agactgacat | 2375340 |
| gagaagaatt | gattttgaca | cgtgggagga | aatcttcctt | accattacac  | gcaacaagac | 2375400 |
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| gggagggcga | cggggcatgc | aggacatgct | ctcgcggcag | tttcagggat  | ttgccaccaa | 2375520 |
| ctcgggattc | atggcttcca | acaatacgtc | gaaggcttac | aagggattcc  | agcagggaag | 2375580 |
| atggtggagt | atggaaaatc | aggacgtgga | acgtctgcgc | aacagcgta   | cgggactgga | 2375640 |
| catcgtgacg | gctaccatcg | cccagtgggg | agtgaacatc | gtatacgagc  | aatacagcat | 2375700 |
| atcgggtacg | ctgaaaggac | tttatccgga | atacgaccgg | atagagggaac | cgctcatccg | 2375760 |
| catcggacgc | tcgctgaacg | aaaccgacat | acgcgaccgc | cgaaggtgt   | gcgtcatcgg | 2375820 |
| gaaacgtatc | tacgaaacgc | tcttcccaaa | gaaagacgac | ccctgcggca  | agttcatcga | 2375880 |
| gataaacggc | atctactacc | gggtagtggg | agtgaacgag | gcgacgggca  | acatgtcggg | 2375940 |
| caacggacag | tcggaaacgt | cggtcgtcat | tccgttcagt | accatgcagc  | agaactataa | 2376000 |
| ccggggcaac | cgcacgaca  | tgctgggata | tacggcgaaa | aaaggatatt  | ccatcagtca | 2376060 |
| ggtggaaaaa | gatgtggaac | gcatcgtgaa | acaggcacac | gccattcatc  | ccgacgacga | 2376120 |
| acaggcggtt | atccgggtaa | acgcggaagc | catgttcagc | atgatggaca  | acctgtttac | 2376180 |
| gggtatccgt | gttctgggat | ggctcgtggg | actgggtaca | ctgcttgccg  | gtgccatcgg | 2376240 |
| ggtgagcaac | atcatgatga | tcaccgtgaa | ggaacgtacc | accgaaatcg  | gcatccgccg | 2376300 |

COLO-23615-841-5-0 SECUENCIAS

|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| tgccatcgga  | gcacgcccc   | gcgacatcct  | gcaacagatt  | ctgctggaaa  | gcatggtgct | 2376360 |
| taccacccta  | gcgggcatgg  | caggatatctc | gtttgccgtc  | ttcctgctcg  | atgccgtaga | 2376420 |
| aaagggaacg  | tcggaaccgg  | gactgccggc  | acacttcctc  | atcagcttct  | ggcaagccat | 2376480 |
| cggagcctgc  | gtcctgctca  | tcgtgctggg  | actgctggcg  | ggactgattc  | ctgcctaccg | 2376540 |
| cgccatggcg  | ataaaaccga  | tagaagccat  | acgcgacgaa  | taatcaacct  | gacaatcgaa | 2376600 |
| ccattgaaat  | aaaaacataa  | aaccatttat  | atgaagaaat  | ttatcaaagt  | tggcatattg | 2376660 |
| gtgctcatcg  | cactgatatt  | cataggaacc  | ttcgttttcc  | tgtaccggaa  | atcacagccg | 2376720 |
| aaagaggccc  | agtacaacat  | ccagaaagta  | gaaacgaccg  | acctggtaca  | gactaccggt | 2376780 |
| gctacgggaa  | agattgaacc  | gcgcgacgaa  | gtggaaatca  | agccccagat  | ttcgggtatc | 2376840 |
| atctccgaag  | tatacaagga  | ggcgggacag  | aaagtgaaga  | agggggaagt  | gatagccaag | 2376900 |
| gtaaagggtca | tccccgaact  | gggacagctg  | aactctgccg  | agagtcgtgt  | ccggctggcg | 2376960 |
| gaaatgaacg  | gacggcaggc  | ggaaaccgac  | ctgacacgta  | tggagaagct  | ctacaacgac | 2377020 |
| aagctggtga  | gcaacgaaga  | atacgaagaa  | accttgctgg  | ctgcccgta   | ggcacgcgag | 2377080 |
| gagattcagg  | ctgcaaagga  | taacctggag  | attgtaaagg  | aaggtatcac  | caagaacagt | 2377140 |
| gcctcgttca  | gcagcacgct  | catccgctct  | accatcgacg  | gactgatact  | cgacgtgccc | 2377200 |
| atcaaggtgg  | gtaactcggg  | catcatgagc  | aacacgttca  | acgacggtac  | cactatcgct | 2377260 |
| accgtagccg  | acatgagcga  | cctgattttc  | cgtggcaacg  | tagacgaaac  | cgaagtggga | 2377320 |
| cacatccgtg  | aagggtattcc | cgtgaaaatc  | accctgggtg  | ccttgacagaa | catgaagtcc | 2377380 |
| gatgccgtac  | tgaatacat   | ctcgccaag   | agcgtggaga  | acaacggtgc  | caaccagttt | 2377440 |
| gaaatcaagg  | cagccattac  | cgtacccgac  | agtgtgacca  | tccgttcggg  | ctacagcgcc | 2377500 |
| aacgccgaaa  | tggaactcca  | gcgtgccaac  | cacgtgcttg  | ccgttcccga  | aagtgccctg | 2377560 |
| gaatttgtgg  | gcgactcggc  | tttcgtgtat  | gtgctgaccg  | acagcgtacc  | tcgccagaaa | 2377620 |
| ttcgaacgcc  | gtgcagtcaa  | gacaggcgct  | agcgacggta  | tcaagataga  | aatcaaacag | 2377680 |
| ggagtcggtg  | caaacgactg  | tgtgcgcgga  | cagaaaaaag  | acaactaatc  | ctccggaacc | 2377740 |
| atgaaactga  | aacatattct  | ctttatcgct  | tctgccactg  | ccctgctgcc  | ggtacaggca | 2377800 |
| cagcagaaat  | gggacttgcg  | gcagtgtatc  | gaccacgcca  | tcgccaacaa  | cctgaacatc | 2377860 |
| aagttgcagg  | aagcacagcg  | cgaccagaac  | aaggtggaag  | taagtacggc  | acgaaacaat | 2377920 |
| ttcctgcccg  | acctgaacgg  | tagtgccctg  | cactcgttca  | acttcggacg  | aagcctccag | 2377980 |
| tcggataata  | cgtacaaaag  | tctgaatacc  | cagaataccg  | gtctgagcct  | gtcgaccagc | 2378040 |
| atcccgcgtg  | tcaacggact  | gcaacgcata  | aacagcgtgg  | cactctcgaa  | gctgaacctt | 2378100 |
| caggctgcca  | tggaggacct  | gaacaaggcg  | aaagaagata  | tcagcatcca  | ggtggcatcg | 2378160 |
| gcgtacctgc  | aagtactctt  | caacgaagaa  | ctggtgaagg  | tggccaacga  | gcaactggcg | 2378220 |
| ctgagcaagg  | agatgctgga  | ccagaaaacg  | gctttctata  | agaacgggaa  | agcctcgcaa | 2378280 |
| gctgaatggt  | acgaagccaa  | ggcacgcgtg  | gcacaggatg  | agctttctgc  | cgtacaagcc | 2378340 |
| gaaaacaacc  | gccgtcttgc  | cctgctcgac  | ctgagtcagc  | tgttgagct   | ccccctctcc | 2378400 |
| gacgacttcg  | gtatcgtatc  | gccggcagtc  | gattcgtcga  | ccagcctgag  | catacagacc | 2378460 |
| tctcccggcg  | aagtctatgc  | cgaagcggta  | cttaccaagc  | cggctatcaa  | agcagcacia | 2378520 |
| tatcgctctg  | aaggtgcca   | caagaacatc  | cgcatacgcca | agggagccta  | ttaccgcgag | 2378580 |
| ctcagcttcg  | gggcaggcat  | cagcaccagt  | ttctacaacg  | tgtcgggtat  | ggagaacggc | 2378640 |
| aacttcgggt  | cacagctgcg  | cgacaacttc  | agccagtaca  | tcggactctc  | gctcagcatt | 2378700 |
| cccatcttcg  | accgcttcag  | caccgcgaac  | cgtgtacgga  | gcgcacgcat  | ccagcagcac | 2378760 |
| acctactact  | ggcaactgga  | ggaaagcaag  | aaaaccctct  | acaaggagat  | acagcaagcc | 2378820 |
| tactacaacg  | ccgtcaatgc  | cgaaacacag  | taccacagca  | gctgcaccgc  | cgacgaagcg | 2378880 |
| gcacaggctt  | ccttcctgct  | gatgaaggag  | aaatacgcca  | acggcaaggc  | caatgccacc | 2378940 |
| gagtacaacg  | aatcgcgta   | ggcgtggatg  | aaagccgtgt  | ccgaccgcct  | tcaggccaaa | 2379000 |
| tacgactacc  | tgttccgcac  | caagatactc  | gacttctacc  | gcggcattcc  | actcacgctg | 2379060 |
| taacatcccc  | cgaaacggac  | atacgtctat  | ataaaaaaga  | gccgcaggcg  | atactcaacg | 2379120 |
| tacagcctgc  | ggcattttag  | tctgtgttac  | gatttcggaa  | actcgatgtc  | gtgtctaaaa | 2379180 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| actatattatc | gatgcatttt  | ataatagtcg  | atgcaatttt  | tattgtcttt  | ctgctttttt  | 2379240 |
| atgtgccgat  | acaaaaatgt  | gataatatga  | tgtagaatcg  | gttactatcg  | gacaaatccg  | 2379300 |
| ctgccagatt  | atcttctgtcc | ggcaatcagt  | gcggcagcct  | ccaaagggtg  | gttggtagt   | 2379360 |
| atataatcca  | ctcccagcgt  | tatcatcttc  | tgcattgtct  | tcacattgtc  | tacggtccag  | 2379420 |
| acattcacct  | tcatacccaa  | gtcgtgcgct  | tccttcaccc  | attccggatg  | tttcttaaaa  | 2379480 |
| acctttagt   | aataatcgat  | acccgtcagt  | cccttttcct  | tcccctcctt  | gggagcagtg  | 2379540 |
| tcaccattca  | ggtaagcgat  | ttccgaacct  | ggagtgaggc  | gtacaagctg  | ttcgcacacg  | 2379600 |
| ttcatgctga  | acgagatata  | ttccacctgt  | ttctccagac  | catattcctt  | taccatcttg  | 2379660 |
| acaaccgatt  | cggcaatttg  | gtatttctga  | gccttgggtc  | tgtgaggcct  | gatttctgaga | 2379720 |
| atcagctgca  | caccgggcaa  | cttcttttcct | gcctccagat  | agtcggccag  | cgtaggcaac  | 2379780 |
| gtctcgcgct  | tcttcagttt  | caggtctttc  | agcttgtcgt  | atgccgtttc  | gccgatagtc  | 2379840 |
| agcccgctta  | tcgcatcatc  | gtgggttcacc | actactaccc  | cgtcggcagt  | gagctgtaca  | 2379900 |
| tcaaattcag  | aaccatacac  | cttcgcctcg  | gcagccttgt  | tcagtgccgt  | gacagagttt  | 2379960 |
| tgtgccgatc  | cctccgcttt  | ccagaatccg  | cgggtgggcaa | tcacctgtgt  | ctgagcctgt  | 2380020 |
| gccgccagtg  | caaggaacgc  | acaggcacaa  | gccatcagta  | agtttcttgt  | tttcataatc  | 2380080 |
| atcggtattt  | atcttcagtt  | tgtttatcag  | aacgcctatc  | tcaaaccgga  | tctgaaccat  | 2380140 |
| cagcaatcct  | gacaacaccg  | gcaggagcac  | ccaaaaacag  | cgttcccaat  | ctgatgcgac  | 2380200 |
| aaaagtaaaa  | gccggatatt  | acattcacat  | aactgtgatg  | taaagatagc  | gtgtaattta  | 2380260 |
| tatgaagaaa  | ctatttcaaa  | ttcaaacaaa  | acctatatct  | tcccgttccg  | gaatgtacca  | 2380320 |
| tgcggggaaa  | accaaagcaa  | acatattaac  | ctgccgtatc  | tgtctatgtc  | agcgggaaag  | 2380380 |
| caagtgttaa  | aagcagacaa  | agggctgcaa  | aaagctgcaa  | agaaataaat  | acggctgcat  | 2380440 |
| caaaactcca  | tttcaattaa  | gacggacttt  | atagctgaac  | cttgaataacc | tgtaatgata  | 2380500 |
| aaaagaaaaga | gccgtatcat  | cactcacaca  | tagagcttga  | tacgactcct  | tccaatctta  | 2380560 |
| ttgtttcaac  | ttatagcctt  | ccaaagcgtc  | cacccctttc  | atgagaattc  | gctttcatcg  | 2380620 |
| attcgtagt   | ccgtccggac  | tttccagcta  | cgatcaacga  | tcgtactgcg  | gcatatccgg  | 2380680 |
| gttgaagtcg  | agaacagtct  | gcggaaccgg  | catgatatag  | cgcggttcgt  | tggcaggcaa  | 2380740 |
| tgtccaagtt  | tcaccgttgg  | cactgtgaac  | aatatccttg  | cggaaccagt  | cctcacgggt  | 2380800 |
| cagacgtttc  | aagtcgatca  | gacgaggagc  | tccttgacgg  | gcaaactcac  | gacgacgttc  | 2380860 |
| gtcgatcacc  | aagcgcaatg  | cttcctgtacg | attaggagca  | tcggtagcct  | ctacataatg  | 2380920 |
| tacattgttc  | ttaatacagag | catcacgcaa  | cttgtcagag  | aactgcaatg  | cacggctgat  | 2380980 |
| agaaccgata  | cggtgcttcac | attcggcagc  | aatcagataa  | atttccggag  | tcgtaaatcc  | 2381040 |
| ggcattctga  | ttgatataag  | gagcatatcg  | actgtatcct  | ttaaagtgtt  | ccggttccga  | 2381100 |
| agaaggattc  | atggtaaagt  | tagcctcgtc  | ggtagcaaag  | aacagactca  | gacgcataatc | 2381160 |
| ttctccgtca  | ggagccagat  | gactcttgaa  | tgtttcgagc  | aatcttttgc  | tggcaacgac  | 2381220 |
| agcacggtag  | aaaccagaac  | cagctccacc  | caagttacgc  | ataaagatat  | tttctacatt  | 2381280 |
| gcttacatct  | tccgggaagg  | tttctgtccg  | attggaagcc  | aatacgatac  | gtccgaagg   | 2381340 |
| gctgtatgta  | gtagtgtagg  | gcttcatgtc  | cagcaactgg  | tcgttcagtt  | tcagcgcttc  | 2381400 |
| gttggcattg  | gtcagcgcat  | tctcataatc  | gcccatgtag  | aggaacatac  | gtgcctgaaa  | 2381460 |
| cgcataaccg  | atggtacggt  | taggatgata  | tacgttggta  | gctacttccg  | gcaagagcgg  | 2381520 |
| agtggcagtc  | ttcaggtcag  | acataatctg  | attatacact  | tctgccaccg  | tattgcgcac  | 2381580 |
| gtacgaagct  | ccgtcgccta  | cctcttcact  | cagcaggata  | ggcactccgt  | aatcggttagc | 2381640 |
| ggctgtcgca  | gggtcatagt  | gattacaaa   | aatattgacc  | agattcaggt  | attcgaatgc  | 2381700 |
| acggcccacc  | aaagcttcgg  | catattttgc  | ctcccgtgt   | tccttcgtac  | cgtcgggcac  | 2381760 |
| attcaggatg  | ttgttggcta  | ctgcattgta  | tacataaata  | ttagcatagg  | catcatccca  | 2381820 |
| caaagggtca  | ttgtttccc   | cagtgagcac  | ctgtcccagc  | ttaaatgtat  | agagggttacg | 2381880 |
| ctcctggtca  | ctgcatccgg  | ataaattgaa  | ttcagtgtac  | tcaaccggat  | ttccttccga  | 2381940 |
| actaacattc  | atgattttc   | catccgaagt  | acggtaata   | tcatcggtca  | agtaactgag  | 2382000 |
| caccgtattc  | gatgaactca  | tcagataact  | gctgttcaac  | agtttagagt  | aatcctcgag  | 2382060 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| cttctcgggg  | atggtatata | ctttcggcct | gtttccta   | aaatcatcac  | aactttgcaa  | 2382120 |
| ggacaagata  | ccaagtccta | gcaagagata | tttagacaga | ttcatattat  | atcttaaatt  | 2382180 |
| catggttata  | cattaaaaat | cgagtgccac | accaaagtgt | taagtagccg  | gaatatgctg  | 2382240 |
| tcctctggat  | gtaggagtag | ccacttccgg | atcgagggtc | ttcttattgg  | cagcccaata  | 2382300 |
| gaaggcggtc  | tggatctgca | ggctcagacg | caatccctga | atgtatgctg  | tacgcagcca  | 2382360 |
| ttgtttcggg  | aatgtgtagc | ccagtgtaat | atcacgcaac | ttgatgtaat  | cgcctcggtc  | 2382420 |
| gatatgcttg  | tctgcatact | gccacaaacc | actacaagtt | ttaccatttc  | tgtactggaa  | 2382480 |
| tgccggattc  | atgtccggat | cgagttcatc | acccggtttc | tgccagaatt  | tcagacgggtc | 2382540 |
| gcgggtccatg | ttgctggcat | agttcagtag | cggatacata | gtaaactggg  | agctggatgc  | 2382600 |
| tacgtcacgc  | attacgtttc | caccatagta | tacaaacatc | atgctcaagt  | cgaagttctt  | 2382660 |
| gtaaccgaaa  | cgagctgtaa | gtgatgaaga | gtaaggagca | atgggttggtc | ctttgtaa    | 2382720 |
| caagtcttca  | gcctccagat | cgtttaccga | attaatcacg | gtaccatcgg  | ctttgtaagc  | 2382780 |
| agtcgggtta  | ccttcgctgt | cgagtccggc | atagcggatg | gcaaagatag  | agctcatcgg  | 2382840 |
| ataaccttca  | cggttctggt | aagaaccata | gtaactatat | gcagaagttc  | cggagtcgtc  | 2382900 |
| aatctgtgtc  | agcttggtct | tgttgtagct | gaacatgaag | tcgatgccga  | agctgaagtc  | 2382960 |
| acgggtacgt  | acaatctcac | tctgcaaaga | aatttccaca | cctcagttca  | ccatcgcacc  | 2383020 |
| atagttcagc  | atcagtgaag | tccatccgaa | agtagaatca | accagtcggg  | taccagcaa   | 2383080 |
| atcgctggtt  | gccttggtat | aaaattccaa | gctaccgttc | aagcgggtgc  | cgaacaagtt  | 2383140 |
| gaaatcaact  | cccacgttca | ccagtttggt | cttttcccaa | cgcagcatcg  | ggttaggagc  | 2383200 |
| acttaccacg  | tatgcctgat | attcattggt | atagtagttt | gtaccgtcat  | cggctacaat  | 2383260 |
| catgtacgga  | cctgtatctt | tagccacgtt | accgttgata | ccataagtca  | gacgtccagc  | 2383320 |
| cagacgatcc  | agcacacctt | tgttttccaa | gatgatatgc | tgcaaaccga  | cagaccacag  | 2383380 |
| aggcttgtag  | tgatatttag | gatcggtagc | gaacaagtta | gactgggtcga | tacggatact  | 2383440 |
| tccggtcaag  | gtagtacggt | tgttgtaggt | gtacgatgca | tttccataga  | acgacacgta  | 2383500 |
| acggttatca  | tcgtatgtaa | agccgtcggg | accagacagg | taagtactga  | agtagaagct  | 2383560 |
| tccgctggta  | gactgtgtac | cacggatacc | ctgtcccatg | gccagttcgt  | cgatagcttt  | 2383620 |
| ccaagaaagt  | gagttgtcat | cgtaaccata | tttataaca  | tgagtagtct  | gattaacgac  | 2383680 |
| cttacgacgt  | tctgcaccgg | ctatcacctg | aatagagtgc | tttttcttga  | aatcacggct  | 2383740 |
| gaagttgatc  | tgcgcacgca | aggtatacga | atgatccttg | ccccagtagt  | cgtcgaagtt  | 2383800 |
| accaccttca  | ggaatgtaat | gtgtagtggt | accgtcgtct | ttgagcaccg  | tagcgttggt  | 2383860 |
| gatcatagat  | gttacgctgt | agtgattgat | ggagttatac | tgcttggtat  | aactgttggt  | 2383920 |
| catttcagtc  | tgataacgga | catcgaaagt | caaccctttg | ataatcttga  | acgttgctcc  | 2383980 |
| caggttgatg  | ttccaatact | gctgtttatc | ctgatagtgt | gcagtattta  | cgcggttgac  | 2384040 |
| cggatagaat  | gtttcatcgt | acagtccag  | tccgttcaaa | cggtcgattt  | cacgctgcga  | 2384100 |
| cttaccagtc  | atgtaccact | gagccggaga | accatcctca | ttgcggatca  | tacggtatga  | 2384160 |
| cggaccactg  | tacagataac | tgtatcctga | gaaaccgtta | tcataatctt  | gcgatacggg  | 2384220 |
| actgttcaag  | ataccaggtt | cgacatgcaa | ccatttgaa  | aaatcgaact  | ggttcttgaa  | 2384280 |
| gttgaaacca  | taacgattgg | tcttctgctc | cttggcatgc | ggcaagttct  | gctggaagtt  | 2384340 |
| ggcagaaagc  | gcataattgt | agatatccga | accacccgag | atagaaaggt  | tatgctgatg  | 2384400 |
| agtgttattg  | gaacgacgaa | caaattcatc | cttgatctgg | tcgtaacggg  | cgcggttacg  | 2384460 |
| gtatacatcc  | aactgacttt | ccagttcgct | gtcgtcagc  | tctccggctt  | cgttacgata  | 2384520 |
| cagcaagtcg  | tacacctcgt | tggtaaagct | cgggctggta | ggagcgtacg  | tgttatgaaa  | 2384580 |
| acagttgaac  | aataccttct | gcaagtccac | cagttccgca | ctcgacatca  | ggttcatgta  | 2384640 |
| atcgcggtcg  | ggcagcgggt | caaacttgat | actaccgttg | tagcgaacct  | tcggcttacc  | 2384700 |
| ctgttctccg  | ctgcgggtag | tgatgacgat | gacaccattg | gcagactgag  | caccgtagat  | 2384760 |
| agatgcagca  | gaagcatcct | tcaacacggg | tacattgacg | atatcggatg  | gattgatggc  | 2384820 |
| atccagacta  | ccttcgtacg | gaataccgtc | gactacataa | agcggagtct  | tattggcatt  | 2384880 |
| caaggtagaa  | ataccacgaa | tttcgggagt | cgatccgttg | accttcatac  | cggccaccat  | 2384940 |



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|            |            |            |             |             |             |         |
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| accttccata | cggtcgagga | tgttggtctg | gagcttatcc  | tccatatctt  | tctgattgac  | 2385000 |
| gatggagaac | gatccggctg | cacgttcttt | tgagatggtc  | tgataaccgg  | ttacgattac  | 2385060 |
| ctcgtctatc | agttgagatt | ccggctccag | atcaaccgta  | tattgttttt  | ttccactaac  | 2385120 |
| ggtaatttcc | tgacttacat | aaccgatgaa | cgacactaca  | atggtttgtc  | cctcgcgtag  | 2385180 |
| attgagcgag | aatttaccat | tcacatcggt | tacagtacca  | ttagacgttc  | cttttactat  | 2385240 |
| aacattggcc | cccacaaccg | gttcattgtt | ctcatccaac  | acggttcctt  | ttatgtactg  | 2385300 |
| agaagcctgc | tgttctgtca | gggcaacaga | gcccatacacc | ttttcgacct  | ccgcctgcat  | 2385360 |
| cgggacagtt | ccccaacagg | cagccaaggc | caaaaacaat  | ccgtttttca  | gtgtttgtct  | 2385420 |
| tttgtttgtt | ttcatactac | tatatatta  | gtgcttcatt  | ttcggtttgg  | gtttcaactc  | 2385480 |
| attggagcgc | attgagtaag | ttttctttcc | gtattttgga  | gcagaaagaa  | tgcatgccgg  | 2385540 |
| aacatgcgac | ttatcggctc | ggcggcgcaa | cacttcttcc  | agtacggcag  | cataactctg  | 2385600 |
| atgtatcaag | gcatcatcgc | ggtcgtattg | attgtaagcg  | atatactgca  | agtattccac  | 2385660 |
| acacttgta  | aaccagaaat | ccggaatttt | atttatatta  | tacggagtca  | accggcaaat  | 2385720 |
| aaacttcaag | cgttcgatga | cctgctgctg | attgacagta  | ctgtcggcaa  | tcatcgcac   | 2385780 |
| aatccgtgcg | gcagcctctt | cgtacttctt | ttctctcagc  | tcacatctta  | tcagaatgaa  | 2385840 |
| cgtgcggttg | aacgacttac | cttcaaaatc | gcacaacgaa  | tcaagagtag  | ccacatcgcc  | 2385900 |
| attcatcggt | tccttacaga | gtttggcatc | tacctgatct  | tttccaaaca  | gcttgcaata  | 2385960 |
| ctgtgcatag | ttatcggata | cttccttgat | atacttggtg  | tccattcccg  | taatagtacg  | 2386020 |
| gcaatacagt | ttccagatat | ccggctcggt | gagcttcgca  | cctcccgcta  | tcagttcgtc  | 2386080 |
| gaacgctttc | tttacggcat | ccgtctgata | gatagtcgcy  | ttatactcaa  | tgtaatcttt  | 2386140 |
| cagcaactgt | ctgtctctgt | tgcccttctg | atactcatcg  | tacaggtaga  | aagaacgacg  | 2386200 |
| ggcaggcgtc | agggcattct | gaccggtagc | tataaattcc  | tctgcagtct  | gccggctgct  | 2386260 |
| gctgaaatga | acagcctcgc | acgtagcagg | atcgacaaaa  | acatacgaag  | gatagaaacg  | 2386320 |
| tatcttgtat | ttcttcgcaa | gatcacgtcc | ttcgccatgc  | tcggcatcga  | ttttcgcatt  | 2386380 |
| gacaaaattc | tgattgtaaa | attcaccgac | ttccggctga  | gtgaaaacat  | tctgtgccat  | 2386440 |
| attcagacag | gggccacacc | actgtgtgta | aaaatcaatg  | aaaatcagtt  | tattttcagc  | 2386500 |
| cttagcctta | ctaacaattt | cagcccacga | accgtgggta  | aattctatac  | caactgccct  | 2386560 |
| tgacttaagg | ggaatactgc | caatacatat | cagcagcaaa  | aatgcaaagt  | catgttttaa  | 2386620 |
| gttcataata | gtatcttaaa | agttcactat | aaattttaa   | tgattcataa  | attcatccca  | 2386680 |
| atcctgccct | agtctataaa | acaggttccg | gatgaataaa  | caagcagttc  | aaagtcta    | 2386740 |
| caaggaggta | ggattgaatc | caaaaaggaa | aaggctctat  | ttgaatgact  | tatcggagag  | 2386800 |
| catatctttt | ttcacggcgc | aaatatatag | tattatttta  | atcaattttt  | tatgcaaaaa  | 2386860 |
| ttccaaaata | aaaaaataac | atttttctaa | tataataaga  | aaataaacga  | caaattgaag  | 2386920 |
| tacacaaacc | tacattttta | acacaaatca | aaccaaaagc  | gagacaaatg  | cgaaataagg  | 2386980 |
| tcataatcac | ccaagaatta | aaaagacttt | acttttgaaa  | atattcaaac  | aacatctcat  | 2387040 |
| aaaatacatt | aaaggaacaa | gcctattttc | atacctaatc  | tacctacaaa  | gagcatcaaa  | 2387100 |
| tgtgccctac | aagctcccaa | atcgagcata | tctgccccgc  | gacaagttta  | aagcaaaaagg | 2387160 |
| aaacatagaa | acgacttgct | tatacaattc | tttcttagcc  | accaaaaagca | tcccacaaaa  | 2387220 |
| ccgtatatat | tccataaata | cgagggacaa | gtgtgagagc  | gattactatt  | tcatagatcc  | 2387280 |
| attttcaaat | tcagaaacaa | aaactttccc | gtcaactaat  | tttgcgtaga  | aacggcaact  | 2387340 |
| ccctttgaga | cccatatcgc | tgaaaaatac | agtataccaa  | tcacccctt   | ctgtcgatat  | 2387400 |
| agatgttacc | ttagatttat | cttctagacc | atcctgcgca  | ccagtagcaa  | aaagccaaac  | 2387460 |
| tgcgtagccg | ctaccatcat | attcatattc | atatgcctta  | cgcaatttag  | taagaatctc  | 2387520 |
| gggggaaaaa | tgttctacaa | catcttcaaa | atgaccaacc  | ctatcgctcc  | agaaaacgta  | 2387580 |
| tttgtcatat | agctcttgta | aaaaagcatt | cacttgattc  | tgttcattaa  | cactcacgga  | 2387640 |
| ttccgtggtc | tcctccatag | actttttgaa | tggtgtcttt  | tgtaacaaac  | cgccacacga  | 2387700 |
| tgaaaagcct | acataagcat | aaagaataaa | aacactaaaa  | ataattcttt  | tcataacatc  | 2387760 |
| atttttcaca | ggaactctgc | aaagccgttc | ggccgcttct  | tcctcaacct  | gacaaaacaa  | 2387820 |

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| ggataatcca | tcctccggca | gttccttact  | ttctttctga  | caaggcttcc | ggctccacgc | 2387940 |
| aaccgattca | cgctatgtac | ctgacgttcg  | cctaatttac  | taaaaatcag | aaataagaaa | 2388000 |
| tggtagcgct | ttctataaat | tctgggttcg  | tcttggtaga  | aactctatcc | gcaccatttt | 2388060 |
| cagggtaata | tgtagtaacc | tcccacgtac  | gctttaccct  | acgcttggtc | cagttacctt | 2388120 |
| gactgtccgt | ttcaagatag | gtatagcggc  | atatctcaac  | atcgatgcca | tcttcataac | 2388180 |
| tggccgaaga | tttcattgta | gaaggatatt  | taccggttcc  | ttcatacgt  | tatgtacgtt | 2388240 |
| ccaccggcat | catcccatca | aaaaacttat  | accggacaac  | ccgtccgcga | ctatcaaatt | 2388300 |
| catattcaat | ggtaccctca | ataccctttt  | catccacttc  | cttacgcaag | ttaccctcgc | 2388360 |
| acgtaatccg | gaaaggacct | atcacattat  | ctatcatata  | gcgattcgct | ccttgataaa | 2388420 |
| tgtaccgggt | tgctccatca | gacaccatat  | tgccattttt  | gtcgaaggaa | agagtcactt | 2388480 |
| tgccagtggg | caccgttcgg | acattcccat  | acaatccatg  | tccctgaacg | gacgtgaaag | 2388540 |
| cagaagatgc | accagaaaca | ttcaatgtaa  | tttccggaca  | gctcaaactg | tgctttactc | 2388600 |
| tttggtcggc | attcctgttg | cctctgaaaa  | attcctccat  | cggatccatg | accttcgatc | 2388660 |
| cgtccgtctg | ccttatataa | gcactctacac | taagattttc  | gatacgaagt | tttccctcat | 2388720 |
| gcagaggata | aagcaacagt | tgtctaaata  | caatcgtctg  | gtattctttc | ccgttccggg | 2388780 |
| tttccaattt | ccatttcttt | tcccgaaggc  | ttgccgggtt  | caccttgaaa | tccttaagca | 2388840 |
| aaatctgttg | ttgaagattt | gccagactat  | ccacctgtgc  | ggtagtatac | agtttacact | 2388900 |
| ccaacaccac | aggactgttt | acgcgaggag  | aacgattgga  | tacattcatc | gttatgaaag | 2388960 |
| tttccgactt | cggctccaca | cttacgccgg  | agaagaagg   | tagtttcccc | tcaggtacca | 2389020 |
| catggatagt | aagctgctgt | gtacgcaata  | actttccctt  | tacgacaaga | ctggtagaag | 2389080 |
| gaatcacaaa | ctctccggtt | tcgaatgcct  | tcagtacgta  | agtataagag | tactgatagg | 2389140 |
| ttggcatagt | tacttttccg | gtagtagccg  | tacttcgtac  | cggacccatc | aaaacctcaa | 2389200 |
| agtctctcaa | cggagggttc | ctaaaatact  | gtatctcatc  | gctttgaagc | ttttccgatg | 2389260 |
| aaatgacagc | cagtgtcaac | cggaaactgt  | aaccaaactc  | cacatactct | ggtgcagagg | 2389320 |
| ctacaaacac | gggattctga | taagcccata  | cctcctttgg  | taaaaggaac | aacactaaaa | 2389380 |
| agaatagctt | aaaatataga | aatgttttca  | ttttatcatc  | tgatttttaa | ttcgctggaa | 2389440 |
| tgattctcct | gtttttttgt | aaatatgtcc  | atcattttcca | tcataaatat | ccccattggt | 2389500 |
| gtacgtcagt | cttgtagtga | taccttccgg  | attgataatc  | gtatagtcac | catccgcagt | 2389560 |
| cagcgtagca | tgcggtattg | ggatatccgtc | tttatcggac  | aatacgcctc | caggcgccat | 2389620 |
| gttgattttt | aatgcaatgg | ccaatacgat  | agcgataatc  | actaaaataa | tgagtacaaa | 2389680 |
| caccagacaa | gatgctaaaa | tgacaatgga  | aacagaacc   | aatatatata | gcaaactggc | 2389740 |
| tgccaatgct | gccaagaaac | gtttcttggc  | aatcagctgg  | atcaagatga | tgcaaacctg | 2389800 |
| aataacctga | caaacgccta | taatcagata  | aatatagata  | gggtcgtaac | ctccaatttc | 2389860 |
| acaaataacc | aatgcgataa | ttcccgccag  | ccaagtatac  | aatcccaaca | tcagattgac | 2389920 |
| agaagtgtgc | gctgtatttg | ctatatcctt  | catggtcatg  | aggaagaata | caagcaagtt | 2389980 |
| gataagcaca | taaatgaaaa | aaataaaatt  | caagatgaca  | aaccaccacg | agtgtacaat | 2390040 |
| ggaaggcata | aagaaccata | aggaattact  | tcccatctgc  | atgacataga | aaaggattgt | 2390100 |
| acctgaagta | atcgccagca | aaatcccgtt  | tatccaagcc  | catcgggtat | ctccactacc | 2390160 |
| atttgcagcc | cgaatattaa | gggtaagatg  | acgtatgaat  | ttacattcaa | accacatcag | 2390220 |
| caaggccagt | ccgcaaatca | gataaaccat  | ccaacggtat  | ccatctcctt | cccagtccag | 2390280 |
| aagcttgtag | caccgttttg | cctgagcagc  | aggagcttgc  | tccgacatgg | tactttctgc | 2390340 |
| tgccgtcagg | tatttggcct | gcaagtatcc  | actcgtacca  | ttatagtcta | cacgtaccca | 2390400 |
| gtctgatttt | tcagaaattg | tacttaaatac | agccgaacac  | tctactatat | ctccattatt | 2390460 |
| cagcttttaa | agtatggccg | atgctgttga  | aggttcactt  | cttaaattta | aggtagaact | 2390520 |
| cacattcact | ttatatgggt | atccccagaa  | aggcaaggat  | acaactaaag | ctatcaggat | 2390580 |
| aaaaaataat | cttttcatac | aattcagctc  | tcgtaagaga  | aatcaaaagg | aaggaaaaaa | 2390640 |
| gtaataacaa | aaagcaaggc | cataaatccg  | attttgagaa  | tccatttgat | aagcaaaatg | 2390700 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
| aacaaaataa  | gccagatgac  | agcaaataac  | agcatagcaa | taggatgac   | ggacatccat  | 2390760 |
| tctgatgccg  | acagaggcaa  | aacgaaaagt  | gtttccatag | caaacaaatg  | gccttccagt  | 2390820 |
| ttctttccag  | cctttaataa  | aaacatgagg  | cgtgaaactg | caatgctata  | ttctcgtttc  | 2390880 |
| agaccaaaga  | atgtttaagt  | ctgcattctt  | tacacgacaa | gcataatcgcc | ccctaaaaaa  | 2390940 |
| cattcaagaa  | aaataattac  | aaatataatg  | tatttcattt | attatttaca  | acaattagag  | 2391000 |
| gggtaaaata  | aaaattcctg  | tccacattct  | ccccaaaatc | atcaaaacgt  | cttagggaaa  | 2391060 |
| acgtgggcag  | gaattcttgt  | tttctgtaca  | aaaaataaaa | ccttttatat  | agtatgtgac  | 2391120 |
| aggcggtttc  | agagtgaat   | accgcgtttc  | agctcgtctt | ctaccaccgc  | catcatgccc  | 2391180 |
| tctacctgag  | ccagcgccaa  | catgcggccg  | tggaaacgag | aaccgggatt  | ataacccttg  | 2391240 |
| tcctcgtcgc  | ccagcatcat  | gcgaccgtgg  | tccacacgca | tggggagtc   | cggacgctcc  | 2391300 |
| tgctcgaaga  | tacggatcag  | gtcgaatgag  | tgaccgcgtc | ccgacagggtg | cgaactctcg  | 2391360 |
| atgaagtgtg  | ctcccggcat  | ggcagccgta  | ctgcgcaggt | gtacaaagtg  | ggtacgcttg  | 2391420 |
| gcgaacttcc  | ttgccagctc  | gcgcgtatcg  | ttgtgcacgc | ctgcactaag  | cgaacccgca  | 2391480 |
| cagaacgtca  | gaccgttatg  | cggattgtct  | accgcattga | ggaaccagtc  | gatatcttcc  | 2391540 |
| tcgttggtca  | cgatacgcg   | cagtcccaat  | atctggaaag | gagggtcgtc  | gggatgcacg  | 2391600 |
| cacatgttca  | cgccgtactc  | ctcgacacac  | ggcatcaccg | ccgagaggaa  | ataacgcattg | 2391660 |
| ttctcgcgca  | gcgcattcgc  | gtcgaatgac  | tcgtacagcg | aaagcagacg  | cttgaagata  | 2391720 |
| gccaccggct  | gcttgtcgcc  | ctcacggata  | ttgccgttca | cgaagccctg  | cgtcttcacg  | 2391780 |
| atgattgcgt  | ccaccagctc  | atccttttcc  | gcctcggtaa | tcacctgtgc  | cagctctgcc  | 2391840 |
| accttgacac  | gctcctctc   | cgtgtagtcc  | ttctcggcac | ccgcgcgttg  | caggatacgc  | 2391900 |
| gtatcgaaat  | aagcaaagcg  | caccgggtcg  | tagtacagcg | agctgctgcc  | gtccgcccac  | 2391960 |
| ggatgatgca  | agtcgggtacg | caccagctct  | atcaccggca | tgaagttgta  | gcacacgggtc | 2392020 |
| tttacgccgc  | acttgcccag  | attggcaagg  | ctcaccttgt | aattttcaat  | cagctgatcg  | 2392080 |
| cggtccgggtc | ccgcataact  | gatagcctcg  | cacaccggaa | ggctctctac  | caccgaccat  | 2392140 |
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| tctccgttcg  | gcacctcggtg | aaggcggtt   | acgatgccct | ccacccttat  | ctgtcggagc  | 2392260 |
| atggaaaagt  | tgatcttgct  | tttctttcca  | aaccatctcc | atgttttttc  | catcataatg  | 2392320 |
| ctctgtatgt  | tttatacccc  | actaaaagcg  | ctgaatccac | catccacagc  | cagaacagct  | 2392380 |
| ccggtaaatga | aacttgccgc  | atcgtctgcac | aggaactgca | ctgctccgtt  | cagctcggag  | 2392440 |
| atgtcgccaa  | aacgtttcat  | cggcgtcttg  | gcaatcacct | tccgactgcg  | ttccgtcagc  | 2392500 |
| gagccgtcgg  | ggttgagaag  | gatggcacgg  | ttctggttgc | cgaatgaaga  | tcccggcgca  | 2392560 |
| atggcattca  | cacggatctt  | ttcgtgaac   | ttaatcgcca | tttcctgcgc  | catccagcgg  | 2392620 |
| gtgaagtctt  | ctaccgact   | cttcgccatg  | gagtagcccg | gcacacgcgt  | aatcgactcg  | 2392680 |
| taggctgcca  | tcgacgatac  | gttgacgatg  | actccgtact | gctggcgtgc  | catgatttctg | 2392740 |
| ccgaatacca  | gacaaggata  | taccgtaccg  | ttcaggttca | ggtcgaccac  | cttgtcgagg  | 2392800 |
| tcttccacct  | tcatgtcgaa  | aatgttcttg  | tcgacggtga | gcgtacctcc  | ggggatgttt  | 2392860 |
| cctccggctg  | cgttgaccag  | aatgtcaatg  | cgtccccact | gcgaaagtac  | ctgatccttc  | 2392920 |
| acggcttgca  | ggctgcggat  | gtcgaacacg  | ttgcacaccg | taccgctac   | ctcactgctc  | 2392980 |
| accgcacgaa  | ggcgttccag  | tgccgcatcc  | acacgctcct | gatgcgctcc  | tatgataatg  | 2393040 |
| actctggctc  | ctgcacgcag  | gaaaccttcg  | gcgatgttgc | tgccaataac  | accggatccg  | 2393100 |
| cccgtaacga  | cggctacctt  | tccggcgatg  | ctaaactgtt | cgttcataag  | ctgaattgtt  | 2393160 |
| tttcgattgt  | ctgctgcaaa  | aatagcgtga  | atttgcagac | cgaataatgc  | gtatttttgc  | 2393220 |
| aagagttttg  | cgtatttttg  | cagacaacct  | tttctctgcc | gtcatgaaaa  | agatttctgaa | 2393280 |
| cgaacgcatt  | gccatctcca  | gctcgaaccc  | gatacgggcg | cgcttctacg  | attaccgcgg  | 2393340 |
| atttacgtat  | ccgtggcact  | tccacagcga  | atacgaactg | atgttcgtgg  | aacaggggta  | 2393400 |
| cggcaagtgt  | ctggtgggcg  | acagcattat  | cgactaccgg | gcaggcgacc  | tgattttctt  | 2393460 |
| cgggtcggga  | ctgccgcact  | gcatgcagaa  | ctgtcccag  | gcggaggaga  | acgaggcgta  | 2393520 |
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| cccgttgcc  | ggaagaagcg  | agatagccga  | gtgcctgaag  | cgtattcccg  | tagcgcacgg  | 2393700 |
| ggtggaacag | atgatcgaga  | ttctgaagct  | gctgcaaact  | ctctcggtt   | ttccgcgcaa  | 2393760 |
| gcagtttgct | gcctcgccca  | actacctccc  | cgaccctcg   | gtatttggcg  | acaagaagat  | 2393820 |
| agagaaaatc | atcgccctacc | tgaacaagcg  | ttacacacag  | cccgtcagcc  | tgagtgaat   | 2393880 |
| tgcattcgat | accgcatga   | acgaggcggc  | tttctgccc   | tatttcaagc  | aggaaacggg  | 2393940 |
| caagacgttc | aagcagtaca  | tcctcgacat  | gcgcattcggc | tatgcctgca  | agctgctcgc  | 2394000 |
| agccggacgg | atgaacgtgt  | cgcagatcag  | tctggagtgc  | ggattcgagt  | cgacggcgca  | 2394060 |
| cttcaaccgt | atcttcaagc  | ggctcacggg  | catggctcct  | acttcatacc  | gtgagagtat  | 2394120 |
| tttataaacc | aactttcgca  | taaacacgct  | gaagctcata  | aaccggatgc  | aaaatcacta  | 2394180 |
| tgaacagctt | gtaagccaat  | cttgcataga  | tgctgaagct  | cataaacaag  | gcattcaaga  | 2394240 |
| tttgtgggct | aaaaatgcag  | gttcccatag  | acacgccgaa  | gctgatagcc  | ggatgcaaga  | 2394300 |
| attactatga | acatcttgta  | aacaaaatcc  | cgcatagatg  | ctgaagttca  | taaaccgatt  | 2394360 |
| gcaagaaccg | ccgtgagcat  | cttgtaaaca  | aaccttacgt  | aagcgtaaaa  | ccctcttaaa  | 2394420 |
| aagcgaggcc | tataagggtca | caagttattc  | atcaattttc  | tacctttgcc  | gccagaaata  | 2394480 |
| acaacaagga | catcacaaaa  | atcatgaaaa  | caatcattct  | tgtcaatacg  | gttcgctaca  | 2394540 |
| tcaacaaaat | ccacgatttc  | catacgtggg  | gagctgctgc  | attgatttga  | ttttaccctt  | 2394600 |
| ctacatgtct | tttcccgttg  | tttatatcca  | ttcagtaaaa  | atctaataaa  | cattttatatt | 2394660 |
| gtatgagcaa | aacaagcagg  | ctcatagtgc  | tgtgtagtgc  | agtactatgc  | agccagtatc  | 2394720 |
| tgtgtgccc  | gtcgcgtacg  | atgggcatag  | aagagatgtt  | ccgtctggcc  | gacgagaaca  | 2394780 |
| gcaagagtat | ccagacttac  | cgtaccggaa  | aggaagtgtc  | cgacgagaac  | ctgaaagctg  | 2394840 |
| ccaaggcaca | gcggttgccc  | gacatcagtg  | cgtcactctc  | gggcagctac  | tggggcaacg  | 2394900 |
| gcaagctgtg | ggatcgtgat  | ttcagcaatg  | ccaccaagat  | agacatgccg  | cactggggca  | 2394960 |
| acaacttcgc | cctcgaggct  | cagcagggtg  | tgtatgccgg  | aggtgccatc  | agcagcggta  | 2395020 |
| tcgagctggc | ggagctggag  | aagcaactgg  | cggagatgga  | ctggcagaag  | aatcgtcagg  | 2395080 |
| atatccgctt | cctgctcgtg  | ggacattacc  | tgaatctgta  | taagctgcat  | aaccagatcg  | 2395140 |
| aggtgctgca | caagaatctg  | gagctgaccg  | accagttgat  | tgccaacatg  | caggcgcgac  | 2395200 |
| tggaaagagg | tacggcgctg  | gagaacgaca  | tcacgcgcta  | cgagctgcaa  | cgggaaacgc  | 2395260 |
| tccgtctgca | actggccaag  | gtggaggatg  | cctgcaagat  | agccaatcat  | cagctggtca  | 2395320 |
| tcaccctgca | cttgcccga   | gggacgggtg  | ttcagcccga  | tacaacgctg  | aacgacagtc  | 2395380 |
| agattcagac | gatgagtga   | gccaactggc  | aggagtggc   | ggcgcagaac  | aacctcaact  | 2395440 |
| tgcagcaggc | ggaaacgggc  | atcaagggtca | accgccagcg  | ggtgaagatg  | gaacgttcgg  | 2395500 |
| agcggttgcc | gaaaatctcg  | ctcgtggcag  | ccgaacatct  | ggacggaccg  | atcaccatcg  | 2395560 |
| aggtgcctgt | gctcgacaat  | aatttcaatt  | actggtatgt  | gggtgtgggc  | gtgaagtaca  | 2395620 |
| atatctcgtc | actcttcaag  | aacaaccgga  | agctgaaggc  | ggctcgcttc  | aacgtacgga  | 2395680 |
| aggctcagga | aacgtacgag  | ctggcacagg  | agcagaccaa  | tcattgcggtg | caggagagtt  | 2395740 |
| acgtgaattt | cctcacgtcg  | tttaccgact  | tgcgcacgca  | gcagaagagc  | gtggagcttg  | 2395800 |
| ccgaccagaa | ctacagcgtg  | acgagcaacc  | gttaccagaa  | cgatctggcg  | ctgctgacgg  | 2395860 |
| atatgctgga | tgccagtaac  | atgaagctca  | gtgctgacct  | ggggctggtg  | aacgctcgta  | 2395920 |
| tcaacgtgat | ttacaattat  | tataagatga  | aatatattac  | tcatacgttg  | taattctcac  | 2395980 |
| acctgctgca | aagttcctac  | acgatgcaag  | gctttacacc  | cgctgtaagt  | tttactctcg  | 2396040 |
| ctgcaaagtt | cctgctcgat  | gcaaggcttt  | acacctgctg  | taagttttac  | actcgctgca  | 2396100 |
| aagttcctgc | tcgatgcaag  | gcttcacacc  | tgctgtaagt  | tttactctcg  | ctacaaagtt  | 2396160 |
| tctgcacgat | gcaaaggctt  | acaccatta   | tcaaacatta  | cagattgaca  | gagagagatt  | 2396220 |
| acagcagcga | ttgaaaatca  | tcccatttat  | acattatact  | acactttata  | acaaacctac  | 2396280 |
| cattatggct | acaagaaaag  | ttcaaaaact  | catttacaat  | accgttatca  | tctgcctgct  | 2396340 |
| ggcagtggca | cttatctatg  | tgtgttcacg  | cttctttcat  | ccgggcgtgg  | aatataccga  | 2396400 |
| caatgctcag | gtgaaacagc  | atatcacgcc  | cgtgaatacg  | cgtgtgcagg  | gattcatcaa  | 2396460 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| gcagatttgt  | ttcgaagagt  | atcagccggt | acacaagggc  | gatacgctgg  | tcatcatcga  | 2396520 |
| ggacagcgag  | ttcaagctgc  | gactggctca | ggcggaggcc  | gatcttgcca  | acgcgctgtc  | 2396580 |
| gggtcagcag  | gctaccagca  | tgggcatcgc | taccacacag  | aacaacctgc  | gggtgaacga  | 2396640 |
| tgcgggtatc  | gaggaggcac  | gtgtgcagat | ggagaatgcc  | aagcgcgact  | acgagcgtta  | 2396700 |
| ccagaagctg  | ttgcagcaga  | aggcagtcac | ccgtcagcag  | ttcgataatg  | taaaaacagc  | 2396760 |
| gtacgaagcc  | agcaaggctc  | gctacgatca | ggtgcgccgt  | gccaagcatt  | ctacctcgct  | 2396820 |
| gaccaagagt  | gaacaaaccc  | accgactggg | acagaacgag  | gctgggggtc  | gtctggcaca  | 2396880 |
| ggctgccgtc  | gaactggctc  | agctgaactt | aggctatacg  | gtcatcgtgg  | ctacctgcga  | 2396940 |
| cgggtgtgacg | ggacggaaag  | acatccacga | aggctcagctg | gtacagccgg  | gacagaccat  | 2397000 |
| ggtggacatc  | gtagacagca  | gcgatctgtg | ggtgattgcc  | aactatcgtg  | aaacgcagct  | 2397060 |
| tccaacatc   | aaggagggtc  | acgaggtaac | gcttaccgcc  | gatgccgtgc  | cgggtgtgac  | 2397120 |
| ttacacaggt  | gtggtggaat  | cgatctccga | cgctaccgga  | gcggctttct  | ccctcatccc  | 2397180 |
| gcaggacaat  | gctacgggta  | acttcgtgaa | ggtggaacag  | cgtgtgccgg  | tgcgcacacg  | 2397240 |
| cctgaaggga  | aacagtgccg  | acaagctgaa | actgctgcgt  | gccggattca  | atgtggaatg  | 2397300 |
| taaagtgaag  | tactgatatg  | ggagcacctg | tactgaacgg  | accgtttacg  | atgccgatgt  | 2397360 |
| tccgtaactt  | cgtgcctcgt  | aagctgcaac | cgtggcttta  | tatctttctg  | gccgtcagct  | 2397420 |
| tccagctctc  | gggcggggtg  | tacatggcca | acctgagtca  | catggtgagc  | gaaacgtcgc  | 2397480 |
| tcatgcacga  | ggatctccag  | atgtgtctgt | actgcaacct  | ggcggggatg  | gcggtgtact  | 2397540 |
| tccccatcct  | cttccgcatg  | aagtcccgct | ttaccaacaa  | gacgtgctc   | acggcgggctt | 2397600 |
| cgtggggggg  | tatcgtgtgc  | aacctcatca | cgccgtacac  | cacctttctg  | ccgtactctt  | 2397660 |
| ggacgctctg  | cttcatcgag  | gggatctgca | agattcaggg  | taccttcgag  | gcgatgtcga  | 2397720 |
| ccatccagct  | gtggatgacg  | cccaagcgta | actttaccgt  | gttttttccg  | atgctgcaca  | 2397780 |
| tcatcatctt  | aggcagcatg  | caggatatca | gcacacctgc  | cacttacttc  | ggctattacc  | 2397840 |
| tgcactggag  | ctacatgcac  | tggttcatgg | cgggactgat  | gctggtggat  | ctgctcatcg  | 2397900 |
| tgcagggctg  | tacgcggcat  | ttccgcatcg | tcaagaagtt  | cccgtgttcc  | ggtgtcgact  | 2397960 |
| ggctggggagc | gattctcttg  | gcactcctgc | tgttggaat   | cgcctatttc  | ttcgactacg  | 2398020 |
| gtgagtttta  | cgactggtgg  | aacagtcagg | tgatgcaggg  | acttgccgtt  | gtcatcgtca  | 2398080 |
| taaccttagg  | attctgcgtg  | ggacgaatgc | tgcacatcca  | tcacctttac  | atcgaaccgg  | 2398140 |
| agatgtgggg  | ctaccgtcgc  | ctgctgcca  | tcctcatcct  | cattacgtcg  | gtggaagcct  | 2398200 |
| ttcttgccac  | cgagcatgtg  | ctggaggggc | tattccacag  | cagcgtgatg  | cactacgaag  | 2398260 |
| agatggtggc  | catgcagctc  | gactggccca | tgtgtgtggg  | cgtcgtagcg  | ggaagcctct  | 2398320 |
| tcgcctactg  | gtggatgcac  | gtccgtcagc | tcagttactt  | gcgcctcatc  | accgtaggca  | 2398380 |
| tcgcctcgct  | tgcattgtac  | ctgctcacgt | tctacttcgt  | cctctccgcc  | gacatccata  | 2398440 |
| tctcgcagct  | cttccctgcct | acgctgtgcc | gcggatttgc  | ctacgccatc  | ctgagtgtca  | 2398500 |
| ccttcatggt  | gtgtctggaa  | gagatcatga | ccttccgccca | cttcttttcag | gcgctgagcg  | 2398560 |
| tattcaacat  | gctgcacatg  | gtggtgggtg | gtgtcatggg  | agggtgccctg | tacggtcgct  | 2398620 |
| ggctgtcgta  | ctacgtatcc  | gacaacatgg | cacgctacgg  | agccgctgtc  | gaccgcgtgg  | 2398680 |
| cattcagcag  | tcagccattt  | gccctcgacc | gcttcatcga  | gcaattcgtg  | tcgcagatga  | 2398740 |
| tggaagttag  | catccgtcag  | atttacggct | ggaccctcta  | cgcctgcgtc  | ttcctgctgt  | 2398800 |
| tgtctttcct  | gctctacgat  | gcgcccgtac | gccgtgagct  | gaagctcatg  | ccgagctgga  | 2398860 |
| gaagcctgcg  | caaggaggct  | gcacagatgt | tcagcaaggg  | taaaccgaaa  | ggaaacgctg  | 2398920 |
| ttcctccaaa  | ggaagaagct  | taaacgattt | taggttttaag | aagttcaatc  | aaactcaaag  | 2398980 |
| gaaacgctgt  | ccctccaaag  | gaagaagctt | aaacggattt  | gagtttgga   | agctcctcgg  | 2399040 |
| ttgaaattcc  | tgtataaaag  | gctgtttcaa | aataaaaaaac | agagataagc  | ttgcctataa  | 2399100 |
| gctataaatt  | acaacataaa  | aatctcctac | gtcagtcttt  | gttttcttct  | attacaagac  | 2399160 |
| taaaagtagg  | agatttttca  | ttcctaaacc | tcaatctgtc  | aagtccttac  | ttttgcaatt  | 2399220 |
| ctattttgat  | acagcctctt  | ggtagatttc | atcaagatca  | ctttttatct  | gtgtacgaca  | 2399280 |
| agcatatata  | accatccaat  | tatcagcact | gcatttatgt  | acaagtcctt  | ttgcccgaat  | 2399340 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gaatgcacat  | accgttttac  | agcagcgtat | tacagcagtc | agaagatggt  | tatcgcacag  | 2399400 |
| cataataccc  | ccaactgtcc  | gggcaaaaaa | acagaggcta | cccctatcac  | taggaatagc  | 2399460 |
| cccccaagaa  | taatttttta  | gagagaaaaa | ataaccttta | ttccaaaggt  | ttacttattt  | 2399520 |
| ccaaattttc  | atagtattcc  | aaatatcctg | ctaccgaaga | acccgcaa    | gcgtatatca  | 2399580 |
| tcggataatc  | tactgccgct  | ccgtcgggat | aggcactgca | atgtccaaag  | tgataaacca  | 2399640 |
| gtcttccatc  | ctttacctta  | ggcacagcta | cacacggcac | agacagttag  | taatattccg  | 2399700 |
| cgctcagggc  | tgtagctggt  | ttcagcgtat | aaccgctaaa | actacctact  | gttacgtttg  | 2399760 |
| ccggaacact  | caagtttcca  | ttttcaccga | cttccagcgg | taaatagttt  | tcctgcagag  | 2399820 |
| catctatgat  | aaccagattg  | cccgaagca  | taccaacctg | accggttccc  | acgatttcct  | 2399880 |
| gttcatgcgc  | cccactaata  | taagacatat | cccagtagcc | tccaatcata  | tcagccgata  | 2399940 |
| cttcaatctg  | agaaaggctg  | agtaccagtt | cctttgcacc | tgccgagagc  | ttgacttccg  | 2400000 |
| caccgcgtgg  | agtcttgtcg  | gccgatgcag | ctacattaaa | cttcaacaca  | ttgttttctg  | 2400060 |
| tatcgtacgt  | ataagtcagc  | catccggcag | cctcttccgg | cacctccaca  | ctataagagg  | 2400120 |
| tattggtctt  | gaagctgaaa  | tcaaactctc | cgccatcgta | tccgcagcag  | taatacaagt  | 2400180 |
| tataatcatc  | cagaatgggtg | accgctcccg | cctgtatcac | aggcacatct  | acagagttcg  | 2400240 |
| tacccgccga  | aatggtaacc  | acggcaatac | ggctggtcac | ctccgaagag  | gtggttacag  | 2400300 |
| ccacatgtac  | cacattgcct  | tccacagtcg | ttgtacacca | ttccttattc  | gaagcagcgg  | 2400360 |
| ttacagcctc  | tgtagcactc  | acggtaatat | tcccttctcc | actggcagca  | gagaaatcaa  | 2400420 |
| tgccgtcggg  | cgcaacgacc  | tgcaatgagc | ttgttacagc | ttcctcatcg  | ctacatgcca  | 2400480 |
| ccaacaaggt  | gcataagcat  | aacgttataa | tagaaaatat | ctttttcata  | atcaatcctt  | 2400540 |
| attttaatca  | gaaactttag  | tgaataccgg | attttcccaa | gcagtcatca  | ttgtatatcc  | 2400600 |
| acccgaatta  | tagatgaaca  | accagtcatt | tccatctgaa | ccatacggac  | tattttcgaa  | 2400660 |
| tgtaatcgtc  | atctgaccat  | cctgttcagt | agttgttcct | tcaaagacag  | tttccagtg   | 2400720 |
| agaatagaag  | cgaccttccg  | ctctgattcc | cggatacaag | cctacagctg  | caccatccat  | 2400780 |
| atatcctacc  | acctgaccgt  | tggcagagat | atcgtcacgt | tctgcatcgt  | agtagaattc  | 2400840 |
| gattgtcatc  | gaccatgtac  | cgccactatt | caagttataa | actttcgtag  | cctgataaga  | 2400900 |
| cttaccgtct  | ttcttctttt  | ccagtgtcag | gctgaagctg | gagcttccac  | tctgtacccg  | 2400960 |
| atacgtaccc  | agatactttt  | cataattggc | aggacgttcg | aataccagct  | ttacattgct  | 2401020 |
| tccctcatcg  | gtacaggtaa  | acgtactggg | tgcattatcc | cacgtaaagt  | tctgcatcga  | 2401080 |
| tatgccatta  | caaaccattg  | gttccaccgt | tctcacacca | gtctccgtgc  | agacgaacgg  | 2401140 |
| gaaataagca  | taagagggag  | tgccattctc | gtctacactc | tccagcagga  | atgcacgata  | 2401200 |
| ttctctcatg  | accgaagcta  | ccttctgggt | accctgcatc | aaactaaaca  | gattgtagtc  | 2401260 |
| tgaatcttcg  | ctgatctgtg  | cggcagcagc | cagataagta | gtccagtcca  | ccgtatcgtc  | 2401320 |
| caaccgtgtc  | atcaccattt  | ccacgccata | cttcttgccg | gcgaggcgaa  | tctcgttctc  | 2401380 |
| actcatggaa  | cgcacgatga  | attcataatc | gcccatacag | cccggatcgt  | tatagccgtt  | 2401440 |
| gggttcacag  | aactcatgca  | gaatctcgtt | gtacgagtcg | aagctgattt  | ccgttccgtt  | 2401500 |
| atacagactgt | acggtataga  | gcgaagtagc | agtctgtccg | gggctatacg  | aagaagtcgc  | 2401560 |
| ataatcgga   | gcaatcgtca  | cctcgttggc | atcaaactta | aagaacaggt  | tgccagctcc  | 2401620 |
| accagagact  | ccactgccat  | aacgatattc | cagcttccac | ccgtttgtag  | aactgggtcaa | 2401680 |
| caaactcttc  | aattcaagga  | ccgaagcatt | ttccctgtcg | gcagacgact  | gttcgaacaa  | 2401740 |
| atcctcctcg  | ctgaacaagc  | acgactgcat | ggaaaacgtc | atacatgcca  | ataaactata  | 2401800 |
| taaaattaat  | ttcttcataa  | ttccagtgtt | ttattagttg | aacaagggtat | tgattttctc  | 2401860 |
| ctgccgacgc  | tgaaccacgt  | cacgcaattc | ataaagggtc | actccccatg  | aatctttcat  | 2401920 |
| gtacttgtac  | acaatgtcga  | acttctgttc | caggatagcc | cgtccgtcaa  | cacctgcctt  | 2401980 |
| gtaatatggg  | ctgttcggat  | tcggttcggc | agcttccaga | tacgattccc  | atgtgtctgc  | 2402040 |
| cgtgttggtc  | acaaagatag  | acagcatttc | ggcaaagtcc | tccgagccac  | ggtccatggc  | 2402100 |
| atacggagag  | ataaatccca  | tctgcaacgc | ctgttcacgc | taaatatgat  | accagtcgga  | 2402160 |
| acccacatag  | ctcgattcgg  | tgatacggtc | gtagttcgta | tcgtaaggct  | tacgctgggt  | 2402220 |

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|------------|-------------|-------------|------------|-------------|------------|---------|
| caggatgtgc | gtaaactcgt  | ggtgcatggg  | cttgaagtaa | tactcattca  | gggtagctac | 2402280 |
| atccagggtt | ttcacgtcga  | ggtcgtttat  | cttgaagagt | gtcaccttca  | taccctgttc | 2402340 |
| tgctgaccc  | agaatcatac  | ccgattccgt  | ataagccacg | ttaccgatca  | tctggatcag | 2402400 |
| cttcggtaca | taggtacgtg  | tggtttcaat  | gccccatacc | tcgtcgtaag  | cttccatcca | 2402460 |
| tacaaacttc | acgatcctag  | ccagtgcgaa  | agccttctca | taatcggcag  | gcaccagatc | 2402520 |
| gtattccacg | tccgtttcat  | tatcatccag  | acgatatttt | acctgaatgt  | tatacgtata | 2402580 |
| gacatagttt | tcaagcagcc  | atttgtcgaa  | ttcgttcggt | tcctcggcct  | ccgttccgtc | 2402640 |
| cgatccgaat | atactgtgcg  | aggtatctat  | ctcatcttcg | ttgttacaag  | aaacaaatcc | 2402700 |
| cagcgacagt | aaaaacattg  | atgcgtatat  | aaagtatttt | ttcataattg  | ttcctcctta | 2402760 |
| ccgattagtt | atttcttggg  | ttaggcttca  | tgctgctgct | gattacatcg  | ctcggaatct | 2402820 |
| gaatggcacg | acgatcgtca  | ttggcatcca  | tctggtcggt | tacctcgatg  | ctgccgtcat | 2402880 |
| ccttcatgta | acggcgatat  | accgtgatac  | cgaacggtt  | gatatccagc  | cagcggagtc | 2402940 |
| cttcgtacaa | ggtagtgata  | cggcgagcct  | gcaggatagc | gtgaatcata  | ttttcctgtg | 2403000 |
| tacccttctc | gatggtaa    | tccggatgca  | gctccttctt | caccgtcggt  | gaggtcggcg | 2403060 |
| tataataagc | cagtcgctcg  | tagaaagtat  | tgatttcatc | ttcgtcatc   | gcctgcgaac | 2403120 |
| gggtagtata | ggcagccatc  | cagctgttca  | ggtcggccag | tgcatgcgta  | taatccttct | 2403180 |
| tcatggcata | agcctcggca  | cggctcagca  | gcagctcgtc | ggtagtaa    | gctgcattca | 2403240 |
| cacaataacc | gttgatgggt  | cggctacca   | catccacata | ttccttgtac  | tgtgccacct | 2403300 |
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| tcgtcgtatt | cgggctggaa  | gtataattac  | cccacggacc | gttcgagcgg  | tttgtttcgt | 2403420 |
| acgaaaccac | cggaccgtgt  | gcatagcgtt  | ctcccagtc  | gtaagggccg  | ctcacgtatc | 2403480 |
| cccagtaaga | atggaagcaa  | accagcatca  | ggttggccga | tctttccgca  | tccacatatt | 2403540 |
| cgttcggctg | gatttcaccg  | ttcagcgaca  | aagctcccag | tgccctcccag | tcacgcaaca | 2403600 |
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| acagatccgg | ctgtgtatag  | ttcaggtaga  | aacgtgccgc | aaaggcattc  | gccgcattct | 2403720 |
| tggtgaaatg | atacttgggc  | accgaatact  | tgctgtcgct | tatcagcgga  | agtcctcca  | 2403780 |
| gcaagtcctt | ctcaatacct  | ttatatacat  | cctccagcgt | accgcgttcg  | tagctcgggc | 2403840 |
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| aataagcctt | gcagaatacc  | gtagccagga  | taaagtgatt | gtacgcacgg  | cacatcagcg | 2403960 |
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| cctcattggc | agtagcaatc  | gccttgtagc  | atccttccca | cacggcagcc  | ggagaatcgt | 2404080 |
| ccgcgttctg | agaagtatct  | tcccacttgt  | acaagtcctc | ctgcagacgg  | tccatagccg | 2404140 |
| cataacggtt | agggtaaagca | tcggtattat  | cactatacat | ttcaaacatt  | tccagaggca | 2404200 |
| tgctattagg | ataagccgtc  | accagcagat  | aatctgcgtt | ttccggagtc  | acttccgtac | 2404260 |
| gctggtctgg | catctcatcc  | aaaaaatcac  | tacaggaaga | caatcctatc  | gaacttccta | 2404320 |
| caatggctgc | taataatata  | tatttcttgt  | tcataatgtc | ctatTTTTTg  | ttataagcct | 2404380 |
| aatctcagt  | taaatgtaaa  | ctgacgtgga  | accggagaag | ccacaccacc  | tgcatggaag | 2404440 |
| aattcaggat | cctgtccgtt  | caacttcttg  | tcagcataaa | gcaggaacaa  | gttcgttgcc | 2404500 |
| tgtaccttca | gcgagaggtt  | cgacagcttc  | agcggagcga | tccatgcttt  | cggaactcg  | 2404560 |
| tatgccagtg | aaatttcctt  | catacggatg  | aagtcaccct | ttgccacacg  | tacatccgag | 2404620 |
| tagttgtaag | cattgtacgc  | atatttgtaa  | tcggtatttt | cgttgtacat  | tctggcagag | 2404680 |
| atgatagcag | gaatgttggg  | tacattctca  | tcaccggca  | aagtccagcg  | gttcttgaac | 2404740 |
| tcacgagtca | tggcgctcag  | gtcgggaatac | tgtgcactga | ataccggatt  | cagacgaacc | 2404800 |
| acgttgccaa | acgaataagt  | cataaagata  | ttcaggcgga | aacctttgta  | cgtaaagatg | 2404860 |
| ttacccaaac | taccggtaat  | ggtcggatcg  | gtaggacctt | cgtaaatacag | gaagtccgtg | 2404920 |
| ttgtcacgtt | cctggaagtt  | gatgctggta  | ctggttatct | cacccttttc  | gttttcaatc | 2404980 |
| aaaggaatac | cgttttcatc  | cagtccttg   | aacgggatag | agaacaaacc  | tcttaccgga | 2405040 |
| tagccctgct | tagcgaaacc  | tgtacccgaa  | atcagatcca | tgatattgga  | attctgctgc | 2405100 |

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|            |             |            |            |             |             |         |
|------------|-------------|------------|------------|-------------|-------------|---------|
| aggtcggtta | ccgtgttctg  | tgcattcgag | aagatgaagt | ccgtattcca  | gttaaagtct  | 2405160 |
| tttgtcttga | tgttatgagt  | agacaaggta | aattccacac | cgtgcgactt  | catcgaagct  | 2405220 |
| acgttggcaa | gtttcaggat  | cgtaccacct | acaccctgcg | tattcacccg  | accaatcaag  | 2405280 |
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| atatccacac | cgatgttcaa  | ctcatgtttc | ttttcgtaag | tcagctcact  | gttttccaga  | 2405400 |
| tccaccagtt | gcaagcccga  | ttcctgaatg | ttggtaaacg | gacggtaagg  | aatgtaactg  | 2405460 |
| ttgatgatcg | ccttcgagtt  | ggttacatcc | gccggaccac | ggtcggcagt  | cagagagtaa  | 2405520 |
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| cccatacggg | tcgtaccttc  | gtaacggatc | gtaccgttga | ttgaatattt  | tccggcatac  | 2405700 |
| gaatagtggg | cattggcaaa  | gaaagccacg | ctgcgcacct | tcgtattgtt  | caggctgaag  | 2405760 |
| tactggtcgc | cgtcttcaat  | gcctttcttg | aaatactgat | aaatatagta  | aggcgtttca  | 2405820 |
| ccgttttcat | actgcatacc  | ccagccctgg | aagttcgact | ttgtacggtc  | gatggagtcc  | 2405880 |
| acttccatac | caccgaacca  | gttggtcaga | tgtacctcgt | tgaacacctt  | gttatagtcc  | 2405940 |
| accgtaccac | ggaagtcgta  | gctcagcatc | ttgtagtcgg | tacgtctgta  | aataccacct  | 2406000 |
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| ttcttgtcca | tgattgtctt  | gtcatccagt | ccggcgcggg | aagcctccgc  | ctggttcgaa  | 2406120 |
| ttatccttaa | tcttgtgttc  | ctgtgcagta | ccctgatact | ttacagcacc  | cagcgactcg  | 2406180 |
| aattccagtc | ccgcaatcgg  | tttccatttc | agttcacctt | gaaacttcac  | atccacaatg  | 2406240 |
| ttcaagtcca | tatagtgttt  | ttccagctcg | ttcaagatat | taaacggagc  | atagtgtctg  | 2406300 |
| gtataatact | cattcgggtc  | gagcgtacgt | gaagtattca | gcgcgtaaga  | gtacgggttg  | 2406360 |
| atatcgaaat | cacgcttcac  | ctcaccggaa | accacatcca | catcctgtcc  | cagtgtaccc  | 2406420 |
| ggagcctcct | gattacggta  | agaggcgttg | gcaatcatgt | taaagctcaa  | ccatttcgaa  | 2406480 |
| atgttgtaag | aagaattcac  | atttgccgta | taacgttcta | ccgagctgcg  | cttgtacat   | 2406540 |
| cccggatcgt | acatggcact  | cagagaagca | tagaacgacg | acttgtccgt  | accgctgctg  | 2406600 |
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| ttgcggaatt | cggcagcctg  | caagtaactg | ttgcgagcgc | tttccgtatt  | ctgcaacatc  | 2406720 |
| ggcagccccg | tattcggatc  | aaacgtattc | atcagctgat | acatcttgcc  | gtatacacca  | 2406780 |
| ctttcggcag | cacgtacggg  | ttccgagaag | ttcagccacc | ccttctgctc  | catctgttta  | 2406840 |
| tagataccca | tctgttctctg | agagtccatg | atgttgaaat | cattgtaact  | cggcaccaga  | 2406900 |
| cgtgtggtaa | actcacctgt  | ataatttact | ctactggaac | cagccttacc  | ttttttgggt  | 2406960 |
| gtaacgacga | ttacacctgc  | catggcgcgc | gcaccgtaga | tagaagtcgc  | agaaccatcc  | 2407020 |
| ttcaagattt | ggaagctctc  | gatatcgtcg | gcattcaatc | ctgcaatggc  | agaactgatc  | 2407080 |
| aacgtctcgg | cgtcacccga  | agaaagctgg | tcggcactta | cttctaccgc  | atcttccatg  | 2407140 |
| atcactccat | ccacaacca   | caacggcttg | gaactaccgt | agatggatgt  | agcaccacgt  | 2407200 |
| acacggattt | tcggagctgt  | accgaaagta | ccggaacgt  | tctgtaccga  | tacaccggca  | 2407260 |
| gccttacctt | ccagaccacg  | gctgatatcg | gcaagaccat | ccatcttcac  | gttctcaccg  | 2407320 |
| gaaatctgag | tggcagcacc  | actgaacagt | cgcttatcca | tgcgctgcat  | accggttacg  | 2407380 |
| actacttcat | ccagcacttc  | cgtatccgat | tccagcacca | ccttcatatt  | atttttggcc  | 2407440 |
| gtcaccgtct | gcgatttcat  | accgatataa | ctaactctga | gctttgcccc  | tttgtctact  | 2407500 |
| ttcagcgtaa | actttccgtc  | gatatccgta | attgtaccgt | tagaagttcc  | ttttactaaa  | 2407560 |
| acagaagctc | ccacaacagg  | catgttatct | tccgaagaaa | ctatcaagcc  | tgtcacttgt  | 2407620 |
| acagcctgag | ctatcgccag  | acttatgcca | attaacaaaa | aggcacaaaa  | aagtgttaatt | 2407680 |
| cgctttttca | tattccaata  | tttttttgat | aacgttggca | aatatatata  | gcattttatt  | 2407740 |
| aaaaaacaaa | aaataataga  | aaaagtaata | aataagcttg | catatgtcac  | atcaatatca  | 2407800 |
| aatagacact | aaaaagaacg  | aattacacca | cgaataaagc | tattttcata  | acaaaaactt  | 2407860 |
| tataaatata | ggatttcata  | aattcaatag | acaaatttat | gtatacacaa  | acgctaataa  | 2407920 |
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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
| cacttatgta  | atagttaa   | tttgataaaa  | atcacatata | ttttatttct  | aacactttga  | 2408040 |
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| gtagccacat  | caaagcacgg | acacattttg  | gtccactctt | ccggttccac  | aatcccgtcg  | 2408160 |
| ccatccaggt  | cgggggtcag | gtcgcggtgc  | cccacgatac | gccgtgtctg  | gaagtccatg  | 2408220 |
| gcaagtaccc  | tgaccagcac | ccttagcgcc  | cgcttctgaa | gctccgtccg  | cgtatcagca  | 2408280 |
| ggccgtccct  | gttcgtccag | ccctccttcg  | tagcacaccc | cgatgctgtt  | gcggttgaac  | 2408340 |
| cccttggcat  | gagccccctc | ctgctgcacc  | ggacgcatgg | tacaaatctt  | tccatcgctg  | 2408400 |
| ctcacataga  | aatgataccc | gcagcacttg  | aagccccgct | gccggtgcat  | ctgttccagc  | 2408460 |
| tggtcgggcy  | agagcggcct | gtctgccttc  | gtagccgaac | aatgaaccac  | aatcaagtca  | 2408520 |
| atttttctca  | ctgcttcccc | cctttcttcc  | tgtgagcaag | cagtacaggc  | acttcagaat  | 2408580 |
| tccgagtaaa  | atccatttca | cctttccagt  | cataccttcc | cctcctcatt  | gttatttgtt  | 2408640 |
| ttacctgctt  | ccggatcata | gtttattcct  | cttttttcgg | cttcaccgcc  | acacgctcgt  | 2408700 |
| agctcagcga  | agtgaggata | tccgtcagat  | cagctcccgg | acggaaattg  | atgtgcgcct  | 2408760 |
| tcttgatgag  | tcctgcatgg | aaatcctctt  | ccacgtcagc | cccctcgctc  | ttcagtcgga  | 2408820 |
| tctgaaacga  | acccaagtgc | cccagacgca  | cgatctctcc | gcctgccagt  | ccctcacgca  | 2408880 |
| tcaccgtacc  | gagcgaacc  | agtaccgcca  | tggatcggc  | acgtgtcacc  | gtacacatct  | 2408940 |
| gctggatacy  | ttccgtcatc | tcacggattc  | ccatttcgcc | gcgcgcctgc  | gcctgcgcct  | 2409000 |
| aaaacttggc  | ttccccttcc | atgtcggttg  | gtttctttct | tgccactacc  | gaataagtca  | 2409060 |
| ctgctctttc  | cataatcttt | ttaccttttt  | aaatgattaa | taaaacgaat  | acctgttgaa  | 2409120 |
| agctttcaaa  | cttcttttct | gtatcacaaa  | gatatacagc | ccggttttgg  | taatgtccgt  | 2409180 |
| caccgtccgt  | catgcggaca | cattgttaca  | ataaacaaaa | aaaacaggct  | gtaccggcct  | 2409240 |
| tgacccccga  | cggacaaccg | cctgcgcaag  | cctgtacagc | cagtcagctg  | aaaagaaaag  | 2409300 |
| gaagccggac  | gaagagcatc | cggccgcccg  | acctgtcagt | tggcccggct  | caattttatg  | 2409360 |
| ttatcgataa  | accagcggcg | atagacactg  | ctgcccgaag | tagcagccgt  | ttcacccac   | 2409420 |
| gcatccgact  | tgatggtgat | gcgtgtatcc  | ttcgtgatgg | aaacaccctc  | cagcaccacg  | 2409480 |
| tcggcatgca  | gccattccag | cttatccacc  | gtgttcacga | agttatgtcc  | tatcggaattc | 2409540 |
| atttccaccg  | tcttgctgcc | gtttgtcacc  | gtaatgatca | gctgtaccgg  | gtcgaacttc  | 2409600 |
| cgcgtaccgc  | ccaccatcgg | agcccagtcg  | aacgaaagca | ttaccttctc  | gccttccgga  | 2409660 |
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| taacacttct  | gcaagtagat | agaagcaccg  | cgactctctt | ccagtccgta  | tccgtgagcc  | 2409780 |
| agcaacgcct  | cagccgctgt | ctgtccctcg  | tcgttcttgg | cactgtaa    | ctgcggagca  | 2409840 |
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| agccattcaa  | agtcgtcggc | aaagtagatc  | accttacta  | cccctttgtc  | ttcgatgcgt  | 2409960 |
| gccgcccgt   | tgcgagtcg  | aggagcagcc  | actccgtcga | agtaaccgta  | taccgtcacc  | 2410020 |
| cgatgtccgt  | tcagggcaga | caagttcagg  | ctctcgggcy | cgtcgatgat  | ggaaaccgag  | 2410080 |
| tttaccgccc  | cgtcgatggt | gatattgctg  | ccgttcacat | caccgcttgc  | cgaatccat   | 2410140 |
| tcgcggctgt  | ccgatgtata | gctgtccacc  | tctgccgtca | cgtcgtgcgc  | ttccggataa  | 2410200 |
| tccacgttat  | tgcttccga  | aaccacacgc  | gcctcgtcgc | atgccacgta  | aggcagcgag  | 2410260 |
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| gttgctgca   | agaacatgtt | caccgcatgg  | tcagcatcgg | ttaccacgca  | gcccgatgtc  | 2410380 |
| gttaccgccc  | taaccagcgc | ttccggtacc  | gataccaccg | tttcatcctc  | cagagccggc  | 2410440 |
| agctcgtcta  | ccgtatactc | ctgacagtcg  | cgatacttgt | cgccttctctg | cgacaccacc  | 2410500 |
| acttccgcac  | gacttgccag | cgtacaaccc  | ttgaacacga | ttgtcgctt   | acgcggatta  | 2410560 |
| tccttcgccc  | cgtcgcgcct | gttgctcggtc | accgacaccg | tcacatccat  | cgtaccgtta  | 2410620 |
| cccgtagcag  | gcgataccgt | aatccagtcg  | ggcaaatcct | ccatcaccca  | gtcggcatcc  | 2410680 |
| gcatacacgg  | taattgtttt | cggctgcgcc  | ccctcagcct | caaagttcag  | ttcgctggca  | 2410740 |
| cttgccagta  | cagccttcga | gagcgtcggt  | tcctcctcgc | tgcaactgcc  | caaaaacggt  | 2410800 |
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| aaaacctgcc  | gtaattttcc | ggaagaaaaa  | cctgaatcca | attcttggtt  | tatcctcgga  | 2410980 |
| aaaacctgcc  | gatgtttcaa | gagcagtcag  | ccgttccgtt | tcggaagaga  | agcctgaaac  | 2411040 |
| ttagaagccc  | agaccatcgt | tccagcccgg  | attctgcgtc | aaattcgggt  | tcagcgaacg  | 2411100 |
| ttcgttgata  | ggaatcgggt | acagatagtc  | acgctcctcg | ttgaacggcg  | tacgcgcgat  | 2411160 |
| attcttgtag  | taatacacat | acccgctgtt  | gctgcccgtc | agcaagatat  | ccttaccaat  | 2411220 |
| ctcatacacc  | agcaccgccg | tgtccgcact  | cggcttgcca | gtacccttgg  | catacagaat  | 2411280 |
| gacatccggc  | tttccgtcgc | cgctcaggtc  | atactcacc  | gcaccgggga  | aatacatacc  | 2411340 |
| atagatatcc  | tgattgatgc | aggcaccgcc  | tttccagcgc | accagatcgt  | cgaacaggaa  | 2411400 |
| gccctcctga  | tccagctcga | tggtagcttc  | gcggcggatt | tccagaatca  | cacccttggt  | 2411460 |
| gctgcccgtc  | acgttcgggt | aaccggttgc  | cgcatccgac | aggtaacggg  | ccggattggc  | 2411520 |
| attcgctca   | ctcattttca | gatccggcat  | gccacacga  | tggcggatca  | ggttgatgga  | 2411580 |
| gttatccagg  | tcggtctgcg | tcagcgtacc  | cagttccgcc | tttgcttcgg  | catagttcag  | 2411640 |
| cagcacttca  | gcatagcggg | acacaggcaa  | gtcgttcgta | ttgcggctcg  | tgcgggtccac | 2411700 |
| ctgtccgccg  | gaagccgtcg | gctcctgcac  | gaacttgatc | ggctgataac  | cggtcacact  | 2411760 |
| gaccgagaga  | tcgggaggca | gcaccgttgt  | ttccccgata | cgggtatacc  | ccgggggtacg | 2411820 |
| gatgctctga  | gccagacgcg | ggtcacgggt  | cttggtttcc | tccaggaaag  | tcattttcctg | 2411880 |
| ccatcccggc  | tggtcggtaa | accgactgcc  | gtccttcac  | agatacatat  | tcaccatctt  | 2411940 |
| gcgcgtcagt  | cccggacggc | cctgcgtagg  | caccagcgta | tgtccgttgg  | catttgtgatg | 2412000 |
| aatagccaga  | ctatagtcga | acttgatagc  | caggatatac | tcgtcgggat  | tggcatcctc  | 2412060 |
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| tcctgtctcc  | ataatctcct | gagccgcctg  | tgccgcctga | tccagataat  | aggtatagtc  | 2412180 |
| gtgtccctcc  | agcgacagtt | cgtgatactt  | gcggtagcta | ccctcgtaca  | ggcagaactg  | 2412240 |
| cgccctcagc  | gacagtgccg | cccagcgggt  | cacacggaac | gggctgctgg  | tttcctcctt  | 2412300 |
| ctcgtcgggc  | aggttgctga | tggcataatc  | cacatcctcc | agcatcttgg  | tcataccag   | 2412360 |
| ctcgcgcgag  | tcacgcgggt | tgtacagtgc  | ctcgtcggca | gaaccaggtt  | ccacgtcgta  | 2412420 |
| ccaaggcaca  | tcgccgaagc | gtttcacctt  | ttcaaagtag | aagaaagcac  | ggaagaagcg  | 2412480 |
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| catctgaatc  | tgttctttgt | tgtttactct  | atgaattctc | gtttagaaag  | tgatgtccac  | 2412900 |
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| gctgatagct  | ccttccggat | ccacgtactt  | ggtaatcttc | ttcagcggcg  | accagtagca  | 2413020 |
| gaggttttcg  | cccgagaagt | agaaacgtgc  | ctgatcgata | ccgattctct  | tggtcagctt  | 2413080 |
| caccggaagc  | gtatatccca | cggtcaggtt  | cttcagacgc | atgtagcggg  | tggtctgcaa  | 2413140 |
| atagcggtcg  | ttcaccttgc | tcagcggacc  | ggaagtcgac | gagtatgcca  | tcggacgcgg  | 2413200 |
| gaaataagca  | tccgtattgt | cttcggccca  | caccttgctc | atgaaattct  | tctgcaggaa  | 2413260 |
| cgtctggtaa  | ggataagaga | acgggcccc   | gaacgacatc | atgtgtccgt  | gaggatacca  | 2413320 |
| gtagtgggta  | cctgttccct | ggaagaacac  | cgatacatcg | aatccgcacc  | agcgtacact  | 2413380 |
| ggcattgata  | ccgtacgaca | ggctgggcag  | tgagttaccc | aataccttgc  | ggtcgcccgg  | 2413440 |
| atcggtctaca | ttattgctgc | ctatatccac  | cataccgtca | ccgtcgaggt  | cgacaaactt  | 2413500 |
| cacgtcgccg  | gccttccagc | ctcccgtcag  | tccgtcggcc | atgtagctca  | ggaccacctt  | 2413560 |
| cttggcatag  | tcctgtgcct | cctcgtcggg  | agcaaacaga | ccgtcgggtca | caaagcccca  | 2413620 |
| gatttctcct  | atgcgcatgc | cctcgtagta  | atccttggca | aaggtcttat  | ccttggtgtc  | 2413680 |
| gtatttcgta  | atataacttc | tgtagttgct  | cacgttgaat | cccacactat  | attccagcgg  | 2413740 |

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|-------------|-------------|------------|-------------|-------------|------------|---------|
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| gtcggtcagc  | atgttcagcg  | tattgcgcac | atagccgtcc  | accgtcacgt  | tcaaccggtt | 2413920 |
| cttcagcatg  | gtcaggtcga  | aacccaagtc | ccactgttcg  | gacgtttccc  | atgtcaggtc | 2413980 |
| cgatgccacc  | ggcgactca   | gcgtagagta | ttttgccatc  | gagctgccct  | cgccgaaaga | 2414040 |
| atatccggca  | aagttgtca   | gcgaaatcag | tcgcatgtac  | gtataataag  | aagaaacatt | 2414100 |
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| cggcttgaag  | aacggctctt  | cggagatacg | ccatcccacc  | gaaccggaag  | ggaagaatcc | 2414220 |
| ccagcggctt  | ccggcagcaa  | aacgcgacgt | accgtcgtaa  | cgtccgctcg  | cctccagcag | 2414280 |
| gtaacgtccc  | ttgtatgcat  | agttcacacg | gccgaagaaa  | ccagccagcg  | catactcatt | 2414340 |
| ctgtccgccc  | cccacttcgg  | tcagcacttc | cccctcggca  | ttctgtccca  | ccaggctcag | 2414400 |
| gtcgtccagc  | gaagtagaag  | tcaggttctg | tcgccgagcc  | gaaacatttt  | tcagggtgat | 2414460 |
| ccgctcgtag  | ttgaaacccg  | ccatagccgt | cacgtgatgt  | gcctcgccga  | aggtatcctc | 2414520 |
| gtagtggca   | tacacgttgg  | ccgaataata | gttgcgtgtg  | ttcaccgatt  | cagtcaactg | 2414580 |
| gttcagacct  | gctccggtag  | catacgactc | catcggtccg  | tccggatact  | cgcggtagaa | 2414640 |
| caagttgttg  | gaacgggtgtg | tattgcgtgt | ctgatacaga  | cgatacgtaa  | agtcacccgt | 2414700 |
| caggctcagc  | tgttcaatcg  | gcttgatgac | cagccgtgtc  | gtattcgaga  | agtcgctcgt | 2414760 |
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| cgccagcgca  | tgacgtccgc  | tgtaacgat  | ggtatcgctg  | atgcttccgt  | taccctggaa | 2414940 |
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| aaagtcaatc  | ttcgaacgca  | ggttatactt | gcggtagata  | tccggattca  | tgttcaggat | 2415060 |
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| gccgctgtag  | cgcacgatag  | ccttacgctc | ctgcgccgag  | cccgaacttg  | tggtgaccag | 2415480 |
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| cagcaccagc  | ggactggcac  | tgttgatgga | agtggtagca  | cgcacgttga  | tgttgggcga | 2415660 |
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| gctggccagc  | gactgagtgg  | cacggttctc | cagcttctcg  | ctgcccaccg  | tagccacggc | 2415780 |
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| atcaaacgca  | ccgtctacat  | cagtaattgt | tccttgagta  | gtcccctcaa  | tgcgaatcga | 2416020 |
| aacccttaca  | agcggttcct  | gtaaggcatc | cagtacctta  | cccgatacct  | tcctgttctg | 2416080 |
| tgctgacagc  | gtagaaatac  | tgctaccag  | caacagcaac  | aagcccaaca  | cgtacgaatt | 2416140 |
| gaaaactttc  | ataaataagt  | attaagtaaa | acataagtta  | agtcagcgag  | gcaagtaagc | 2416200 |
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| gccgttttcg  | tcggtcacct  | tcagcgtcca | gcgcgggttc  | cagttccaca  | cgttgatcag | 2416500 |
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| gatggtgttc  | aggtagctcg  | gcagcgcgta | actgttgtaa | taccagtaca  | agtcccaggt  | 2417340 |
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| caggtcgctg  | gtaaaactcca | tgaactgctt | caggtcgccc | gtacggtttg  | ccagatgcat  | 2417460 |
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| caccctgctg  | gcagtagaag  | cgtcgccctt | catcatcttg | tagaactgag  | ggagcacccc  | 2417580 |
| ttcggcaggc  | acctcgtaac  | ccgcaggaac | agagatgaac | acatatcccc  | actccttgct  | 2417640 |
| cgactggagc  | tggtagatac  | cctgctcatt | ggtgacggtc | acttctacgc  | catccgaaac  | 2417700 |
| cactaccccc  | ggcaccgggtc | cgtcggcagt | cgaaccacc  | ccgtacaccg  | ttgttcgggc  | 2417760 |
| atccggcgta  | aagtccattc  | cctctacaat | attaatataa | gtactgccga  | tctgtttctt  | 2417820 |
| gcggtcgccc  | cgcttgatga  | acaccgggta | cgtaccactc | tcgcatcctt  | ccgaaatctt  | 2417880 |
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| cgactccagc  | accagcacat  | ccgatgcctg | cggttcctct | ccgccttcca  | cctgaaagggt | 2418000 |
| gtattctccg  | cccttgctga  | cttctatcag | cgacggacaa | tcgaaactga  | cgccaaagct  | 2418060 |
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| atccgattct  | gaaaaagcgt  | ccaggcttcc | gtcgttaagt | ttgtgatgca  | gggcatatta  | 2418720 |
| tatgtcaatc  | aggataaaag  | ccttatccga | cctttcctgt | gcagactcct  | cctttatcac  | 2418780 |
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| aagcatccat  | cccatactct  | tgtcccgttg | tcagtattac | tccacctgtc  | ttttcagggg  | 2419200 |
| caagcaaaagt | cttatcttct  | ttttttaaga | ttatccctat | atctttacaaa | ctactctttg  | 2419260 |
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| acaagacca   | tagaccat    | cataactaca | atgtgtttct | aagttgttat | aaattctttt  | 2419680 |
| atatctaaca  | tacagcaaat  | ataagctttt | caatagacat | cgtcgacatt | atgccatcaa  | 2419740 |
| tgtctgtttc  | ctttttatca  | aaaaattctt | taatggaaat | ctccccattc | aactctcacg  | 2419800 |
| gctcatagag  | taagatattt  | tgccagttcc | tgaataccg  | gcacgtctgt | caggatcctg  | 2419860 |
| caattgtata  | tagcttttag  | tgtgctccat | tgcggttggt | gtttttccac | accacttcgg  | 2419920 |
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| ttcttttccg  | ataatctgtc  | aaatactatt | caattttcat | caaataacg  | acaaattata  | 2420040 |
| gacactccaa  | aagctacttc  | ctgtttttgt | gatattcatt | aaatgaagct | aaagaagtta  | 2420100 |
| tagcgcatac  | ttccaccctc  | aatttcccga | tgcaacatac | acacaaaaaa | cggggtgtga  | 2420160 |
| accacgccgc  | gataccgcaa  | acgtgagggt | cacaccccg  | ctatctatta | tacattcagc  | 2420220 |
| ttctgcccga  | tatatctact  | ctcctatcac | atcacgcaca | cagcggactt | tacccgaagt  | 2420280 |
| tccaccacct  | gtaagcaaca  | tcagatttcc | ataggatgca | ctaggattaa | atctattata  | 2420340 |
| ttcatataca  | tatacaaata  | ctggctctgt | aggactaccg | aagtcacat  | tataatcgcc  | 2420400 |
| ccatccattg  | aagctaaacc  | ctgttttgca | taaataatac | gatgatgaag | attcaccaaa  | 2420460 |
| tttagtctca  | aacaagtccg  | gataagtagt | atacatcagc | atcagttcac | gcagggttcg  | 2420520 |
| tgacagatac  | ccgtccgggc  | aaggattacc | attattttca | taattgtata | agttattcca  | 2420580 |
| cgtccagtaa  | tcattctttg  | gatacagtc  | actcgcattg | tcataagaac | tattccatct  | 2420640 |
| atcacctca   | gcactacca   | gcaccgcgaa | tttccgataa | ggacggctgt | tgcatcgcg   | 2420700 |
| ttctttgttt  | tgtggcaaaa  | taccaccggt | cagtgtcgca | cgcagtgtat | tcggttcag   | 2420760 |
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| aaacacttcg  | gtaggattat  | acttatacac | atattcatcg | ataaaggcag | taatggtaac  | 2421720 |
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| ggctgaagga  | ggaactttta  | cattagtagt | tccctcatca | tctcgtacca | aaacacattc  | 2422020 |
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| cgtaccatgttgaaaaagaaa | gcgtaccccg  | tatcgtgaca  | tacgtcgagt | tttccggagc  | 2422560     |         |
| aaagacaaaagtcgcccggca | catactcctg  | tcccggcttt  | gtttcgtcga | caggcttccc  | 2422620     |         |
| agtatccgat            | tctctctttt  | cacgcaaggc  | atacaggttc | tgtacctccg  | aataattagt  | 2422680 |
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| cgaccgatcg            | ccgttctcac  | gctttgcttc  | gtcaaaataa | tattcctttc  | cggcagcctg  | 2422800 |
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| cgcaatatcc            | gttccacctt  | cgggtgtttt  | cagctgtccg | cacatcagaa  | aagccatacg  | 2423100 |
| ctccacactc            | agactcaccg  | tttcaccttt  | atccgtgcgt | aactgagaag  | acaaagcctt  | 2423160 |
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| agtaccagaa            | cccgtagtat  | tgacagattg  | cagataagtt | ttgcccagata | tctccccgtt  | 2423340 |
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| accctccttg            | atattgtaac  | cattcacaat  | ttcttcgtct | gcacaagccg  | tgagaatagc  | 2423520 |
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| caattaaaac            | tgggtacatc  | attcgttacc  | ggattccagc | cgaccacctg  | ccagtctatt  | 2423640 |
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| gaaacacgcg            | tagtgaaagt  | catcgtgacc  | gaagccttcc | ctcccacagc  | cggatcggtt  | 2424480 |
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| tatgttctaa            | aatgttttct  | catagtatgc  | tcctccttac | attactgcca  | gtctgggtca  | 2424600 |
| atatcttcta            | cataccattc  | gggaagcctg  | atacttactc | ccacctgatc  | gaacactatc  | 2424660 |
| gatataaggca           | gcagcgcctc  | ctgtttggtt  | acatcaatat | cttcccggta  | tctgttcagg  | 2424720 |
| tagttgagga            | tatttcctct  | taccagttcc  | acaccagtat | ttttatcttt  | cagcaccagt  | 2424780 |
| tgggtgtcac            | acgtcgtctc  | gtccagactg  | gtttcatgat | ccagccggaa  | cagagcaaag  | 2424840 |
| tactgggtat            | gatagcaatt  | cttctctgca  | tcgtaaacca | gttccggata  | aatggtaccc  | 2424900 |
| ttcacctccg            | tgtaattttc  | attctcgaac  | gaggtctgtg | cattcgaatt  | ttcaaaactc  | 2424960 |
| aattcatacg            | gtatgtcggc  | acggctttgc  | ggagcaggca | gaccgtaa    | ctctacttgc  | 2425020 |
| gtatctacgt            | gcgagctgta  | cagcgtcacc  | gtatcccgat | acatgacacc  | ttcctgatca  | 2425080 |
| ggcataacaa            | actcttgctg  | acccatatag  | ttgtcatcat | gattaattac  | atttctcgaa  | 2425140 |
| tcatcattcc            | agaacggcga  | ctggatataa  | atatccgaaa | gacggttggc  | atatatat    | 2425200 |
| tctacagccg            | tatggtcgta  | ggcatttcc   | attgccacta | ctttgtaacg  | ttttccatac  | 2425260 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| tgcagccgga  | acgacggtac | agcatcaaag | ttcttcagct  | cgtcctgagt  | gtaatggccg  | 2425320 |
| acccccataa  | tgtgtccgcc | ctcatcgaaa | acatacaggt  | ctactttact  | catgtactta  | 2425380 |
| tataatacgt  | ccgtatcacc | atctgccaga | tactggaaat  | aaatggtgac  | attatcacaa  | 2425440 |
| tcattccagat | cttccttgac | gcaactgctc | gacaggacga  | aaaccggcag  | tgccatcaac  | 2425500 |
| attattttca  | gaaactttat | catattcggt | cttatgaatg  | ttataaaact  | gtatgtttta  | 2425560 |
| ggaatagagt  | ctggcggatg | attccgccag | actttgatta  | tagagaaatg  | aggttattgt  | 2425620 |
| tcaacccatt  | cagcagtagt | atccacaaca | gaccaagttg  | cttcttcaac  | agttacttct  | 2425680 |
| acaccataca  | cagtttcacc | accttcatta | ggtccgatat  | gcttggtccat | cagttcagca  | 2425740 |
| tttghtaatac | ggtaaattgt | acctggaacg | aactcggtaa  | tttgttctcc  | ttcagaatct  | 2425800 |
| ttataagact  | tcacaacagc | ataacgaggt | gaagtaatag  | gatcaccacc  | tggaacagca  | 2425860 |
| gtagctgtgt  | tgaaatata  | tttcagttca | ggaagtgcct  | taccagctcc  | ggcaaataag  | 2425920 |
| ttatacgcac  | aagcttttcc | agtctctggg | aataatgtgc  | catccaaaaa  | gtctgagcca  | 2425980 |
| acaccaaagt  | caccaattac | atcatacaaa | atcgggaagt  | ttccagtacc  | ctgtgtagag  | 2426040 |
| ttttcattcc  | atgaataagt | attagtagca | gaggctgcat  | cttttggtgc  | atagatatta  | 2426100 |
| ttcagataaa  | caccgttaat | tagcaatgtt | tcaaattttac | aagacggttc  | ttcagagtta  | 2426160 |
| tcaccatcat  | gagctttgtg | tttcagacct | gacagttcaa  | gacgtgctac  | cggaaatttc  | 2426220 |
| aaggcaagtg  | atttagtata | acgtttgtaa | acttttccat  | ctgtcggatt  | ttccattttcg | 2426280 |
| ccattaatat  | cagttgttga | caaagtttct | tcatcatatg  | caggaattga  | ttctggagct  | 2426340 |
| gactgtaatc  | tcgaatctgt | aatggcaatg | tcagtatcct  | catatacatt  | ctttccatca  | 2426400 |
| ttacaataag  | ctaccacctt | agaaggatta | gttacaccaa  | aaatctgtac  | ggtgtaactt  | 2426460 |
| tcttcgctgt  | ccacatctgg | attcgaacga | gaaatcgtag  | cagatttctg  | cagctcactt  | 2426520 |
| cctgaataca  | cttcaactgt | aatatctcca | cctacgataa  | cagtattacc  | ggttgccgca  | 2426580 |
| ttctgtacac  | ttctttaga  | aggacttttg | acagtaacct  | ctaccatacc  | cattccctga  | 2426640 |
| atgctaccac  | cttctggtac | tacttcttca | tttgagcagg  | caaacaaacc  | caaacctgca  | 2426700 |
| aacgcccaca  | ataaactctt | agaaaatttc | ataatacaaa  | aattttaaag  | ttaatactct  | 2426760 |
| catatcta    | tattctcatt | tcagctgttt | tcctactccg  | ccatcaggtc  | cagatacgcc  | 2426820 |
| tgcagtgctt  | tcaggttctc | tgcagcagga | gcatagcccg  | ctttggaagc  | ccgtccgaac  | 2426880 |
| gcttcaaccg  | ccttttccgg | ctgaccgttc | ttcacgtatg  | ccgtaccagc  | catgttcagc  | 2426940 |
| agcgcaccgt  | cctgaggagc | cttctccagc | agagccactg  | cctcgccggc  | acgctgccc   | 2427000 |
| tccagcagcg  | ccagtgcgcg | attgtttacc | gccgttacgt  | cctgcgata   | agtcttcgca  | 2427060 |
| cccgtcagca  | ggcagtcgat | gtactgcggc | gtacccttgc  | cgtagctgtc  | cgctaccttg  | 2427120 |
| tgaatctcgc  | tcacgctcat | cagctgcggg | ctctcgggta  | tcattcttgcg | cccttcctct  | 2427180 |
| atggtaaagt  | gacgcacgtt | atactctatg | cggtagctgt  | tgcggcgcac  | cggagcatac  | 2427240 |
| acctcgttca  | ccagcttggg | ataaccgct  | gccggcacca  | gcttcttcag  | ttccgcctcg  | 2427300 |
| caggcatcct  | gtcgtcgcc  | gcagccatct | atcagctgca  | gaatctcctg  | ctgctgctcc  | 2427360 |
| agctccgtac  | gacgttccac | ctccttgcgc | agtgcgtccc  | agtcctcgcc  | cttccacgct  | 2427420 |
| acatggtaca  | gcgagcggtc | tattccgtcc | agatcgcggc  | gcacatagtc  | ggtaaaccgc  | 2427480 |
| tgcgcacgcc  | gtttcgacaa | gtccatgttg | tatttcatcg  | taccctcggg  | cgacgcataa  | 2427540 |
| cccgttacgt  | aaatgcctgt | aatcgtgagg | tcgtgattgt  | cgcgcaccac  | ctgaaacgac  | 2427600 |
| tccttcacct  | tcgccagttc | cgcgcgggtc | tgcttgtaag  | ccgcacgat   | gcggtcgctg  | 2427660 |
| ttctggcgga  | attccagccg | ggccaccctc | gtttccgagc  | ggcgtttcac  | ctcttcttcc  | 2427720 |
| ttcggctcga  | tgaacggagc | cacgtacacc | ggattcatgg  | caggaaatat  | agtgcctccg  | 2427780 |
| taagccgttt  | cgctaccctc | ttcacactgt | gcacagcccg  | tgacgtatgc  | ccgcagctcc  | 2427840 |
| acacttccgt  | ctatcatcca | ccgcttgaaa | ggcaccgatg  | cctcgtacga  | aaccgtctgt  | 2427900 |
| tccgaaccgt  | tgctcgggcg | caccaccagc | agcgcgtcct  | cgttgaaattc | ttccccgtac  | 2427960 |
| aagacacgtg  | cacgctgctg | taccctgtcg | cgcgtctttc  | cgttgatgac  | aaacggaggc  | 2428020 |
| aactcctgct  | ccatgctgcc | gtcggctgcc | acgatgaccg  | gcaccaccgc  | cagcgaatgc  | 2428080 |
| tgctcggttca | tcttcaggtt | gtccagcccg | atttccattt  | tcacgttcgc  | cttgcggtcc  | 2428140 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gccgttttcg  | tcacctgcgg  | tccgtcgatg | ttcaccgcct | ccagataagg  | cacctgagcc  | 2428200 |
| cctgccgaaa  | cagcggcaaa  | caacattgct | gcagaaaaga | tatatttctt  | catcgtagct  | 2428260 |
| tcctccatca  | tttaattatg  | taaatcaacg | ataccgccgc | cttggtcagc  | ccgaagtaat  | 2428320 |
| cctttgtgtc  | ggagcctctc  | cactcgccgc | agtgcggaca | gtcgtacata  | tcatagtcgg  | 2428380 |
| cacggatcca  | tcccgcctcg  | atttccagtc | ccagggtcca | gcggtttccc  | agcacgaact  | 2428440 |
| gatagccgta  | gcccagtcct  | acgccgtaca | tgtttccctg | ataccggtaa  | tccttgaacg  | 2428500 |
| aaggaaaaat  | cttcagggtc  | atatctgcca | cgtaaacc   | tccgcccagt  | gcatgaagag  | 2428560 |
| caagaaaaatg | tccgttgaag  | gcttcacaga | accagtaccg | cgcttccggg  | tgtaccagcc  | 2428620 |
| agtgttcat   | cttccgggtc  | tcacctaaat | taaagggtat | atagtttccc  | gaaacatcaa  | 2428680 |
| tgctccattt  | gggagctacc  | cgaaactcag | ccccacatt  | cagcgttgtg  | gttacatcat  | 2428740 |
| aaagaagggt  | tgtcttgacc  | gctattttct | gggctgatac | ggacatacct  | gctatcagaa  | 2428800 |
| agggtattaa  | tgcaaacagt  | tttctcatag | tcctttgctc | ttaagttttt  | acgtagtaca  | 2428860 |
| aagttatcaa  | atgctaaaat  | actgtcaaca | aaaattaatt | tccaatctgt  | cgtatgaaaa  | 2428920 |
| ggaggaaaac  | agtagaaaag  | attaccaaaa | aatacataca | accgtattta  | caataaatta  | 2428980 |
| caagaacaag  | aaatggacaa  | tataagaaga | aaattctacg | ttctattttt  | acattttatt  | 2429040 |
| acgaaataga  | ttaggactca  | taccatattt | atccttaaac | aaacgataaa  | aagtagacaa  | 2429100 |
| attaggaata  | gcactttgtt  | cagctatttt | actaatagac | cattcgggat  | tctcgtgaaa  | 2429160 |
| cagctcgatg  | gcataattcca | gcctcaggct | gttcaggtaa | gcagccagat  | tggtgttgcc  | 2429220 |
| aaactctttc  | agcacactgg  | caaaacgggt | cttgtccact | cccatgatac  | gcgcatactg  | 2429280 |
| gtcgcgcccc  | agactgtagt  | cgaggtaaag | tttctcctga | cgcaccttct  | tgtcgaaaag  | 2429340 |
| ggcaaaacaat | tcctcgttcg  | aaaggcgca  | aaacgcccc  | tttctgggta  | cttccggcac  | 2429400 |
| tgctgtctcc  | actacctctt  | ccgcagcctt | ttcctcctgt | ttgccgggat  | cggctgtttt  | 2429460 |
| ccttccggca  | tattgtccct  | ttttcagcag | atactggtgc | agcaccttca  | gcttctccag  | 2429520 |
| ctccacaatc  | cgaatacgca  | tcttcccacc | tttccgcatg | aagcccccca  | gcgccagcag  | 2429580 |
| cgacagcagc  | aatagaccgg  | ccagcacacc | gagccagata | gtctgtacgc  | gcaacttctc  | 2429640 |
| ctccgtttcc  | tccagttcct  | cccgggcagc | cagcgcatta | aacagggtcag | tggttctccag | 2429700 |
| cagatagttg  | cgctcggtat  | tcagccgtat | agcctgctgg | atagacatcc  | tgcgctttgc  | 2429760 |
| caccgcataa  | gccttccggg  | agtcgccac  | cgcctcgtaa | gctacacacg  | cctgctgcag  | 2429820 |
| gagccgctca  | tacgaaatgt  | tgagcgtatc | acgccggtcc | atctccctga  | cgtatgcctg  | 2429880 |
| tgcggttcacg | ataacctgat  | cgtaattctt | catggtaagc | aggtagtcgt  | ttatctccag  | 2429940 |
| acgtcccaca  | agggttttcg  | agaaatgggt | accaagaaac | aactcgtaat  | acttctcatc  | 2430000 |
| ctcgaattcc  | ttcccagca   | tatgggcaag | aaaagccacc | ttgctgtaca  | gatagcccga  | 2430060 |
| ctggttgtcg  | cgctcagtt   | cggcaggcg  | ggaaagcagc | ttgctccgtt  | ccagtcctat  | 2430120 |
| ctgccatgcc  | tcagcatact  | tccggtcgct | gatgtagtac | atcatcagga  | aaccatacgt  | 2430180 |
| atgcgacagg  | tagtaaactc  | cggtttccga | ttttctctct | tccagcagct  | tctccgcacg  | 2430240 |
| gaatgcacat  | tcgtatgcct  | tcttgctcag | gctcagcctg | cggtagacag  | agccttcgga  | 2430300 |
| caacagcatg  | ccggcaagca  | tgacatgatc | cgaaatcgaa | gtagcatact  | ccttgccctt  | 2430360 |
| gcggatgtaa  | cgggtagcct  | tgtccagcga | aaacgcaaag | accgacgcct  | ccgccagtat  | 2430420 |
| catagatatc  | cgacggtaca  | gcacggtgtc | cgattttatt | tctaccgaat  | gataggcttt  | 2430480 |
| ctcggcactg  | tccagcgccc  | tcccaaacat | cgacagacgg | aaataagcgc  | acgaacggat  | 2430540 |
| atactccaac  | tgatacgacg  | ggtactgtgc | cttctgctgc | aggctgtcaa  | tctgcctcaa  | 2430600 |
| ggctacttgc  | ggaaacaagt  | aagcctgttc | ccggagatca | atcagcctcg  | aagcagaata  | 2430660 |
| tccagccgca  | acaacaaaag  | acaatatgat | aaagaggaaa | tatctcattt  | tttatcgtat  | 2430720 |
| ttttacaatt  | ttatttctaac | aaaatcggtg | ctgtaaaatt | atttacacct  | caaaactaca  | 2430780 |
| aaataaatta  | ataaaggctc  | tttcttcaaa | aataaaatta | ttgtagtgta  | agtaaaattg  | 2430840 |
| tcttaataacc | aataatcgag  | attgacctct | tttctttacg | gctctcccag  | ccccctcacg  | 2430900 |
| atcacctcca  | cctccgggtt  | caggaaaaac | ttgcgatgct | tgtcgtgccc  | cagtgccgcc  | 2430960 |
| agaccctcgc  | ggatggaagg  | acagcggtac | atccaccggt | acaagttgcg  | ccgtgccgctc | 2431020 |



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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| tccggcgaac  | ggttcggaaa | atacaggcaa | gccagctctg  | ccttgccgta  | gatacgcaga | 2431080 |
| cggaatgttc  | cgtcggattc | atcttttttc | atcgtacacc  | tcacttttta  | cgtcgtacca | 2431140 |
| ccttcttggtg | cggagccacc | cgctcgaagg | ccaaatcgtc  | catcatctcc  | ttcagtagcg | 2431200 |
| tgcccggacg  | aaaatgcacc | cataccttgc | ccagcatcga  | cggacggaag  | tcggcctcgc | 2431260 |
| acttcacgcc  | ctcgtcttct | actcccacct | gcagcgaacc  | gatgtcacc   | agacgaataa | 2431320 |
| tctccccgtt  | gcacagccc  | ttgcctatct | cctcctccag  | cgccgtgagc  | accgccagcg | 2431380 |
| tgcccgctt   | ggtcaccgtg | caacgctcct | gaatgcgcac  | cgccatgtcg  | gccagcgaca | 2431440 |
| ccaccccgcg  | cgcctgagcc | cgggcgtagt | acgtcacccc  | cgccgaaagg  | tcccgcggat | 2431500 |
| caacgcgcgg  | caccaccgaa | tatgtcaccg | atcttttcctt | cattgccttt  | ctccttatac | 2431560 |
| gattttcccg  | gtacagccac | atgcacgccc | tcgaactcgc  | cgattttcgt  | catgctggga | 2431620 |
| ttgtaccggt  | aatacacttt | ccccgtcgcc | ccgttacgat  | gcttggcgag  | ggtagcgatc | 2431680 |
| cccattccct  | tggtcgagca | gcccgtgtcg | ggatccacc   | ggatgtgata  | ccgctccggc | 2431740 |
| cgggtgcagca | gaatcaccag | atcggtatcc | tggtctatcg  | ccccgtctc   | gcgcaagtga | 2431800 |
| cgcagttccg  | gactccccgc | ccgatcctcc | gcctgacggt  | tgagctggct  | cgacacgatg | 2431860 |
| accggacagc  | ccagcgatcg | tgccagcccc | ttcagcttgc  | gactgcactc  | cgccacctcc | 2431920 |
| tgctcgcgcg  | tacgccccgg | gttcaccgtg | gcaagcagtt  | gcagatagtc  | cacgatgagc | 2431980 |
| agccccagct  | cccctttcgc | ccgcagcgac | ttggcgatga  | cacacaactg  | atcgacgttg | 2432040 |
| atgtacggcg  | tatcgtccac | atgcaccggc | agcgcactca  | tccgttccgc  | cgtgcgatgc | 2432100 |
| acatcctcca  | cctcctccgc | cgtgagcttc | ccctgccgga  | tacgcagcgg  | gtcggcacgg | 2432160 |
| ctctccgcca  | gcacatgcg  | ctcgcaccag | tccgaagccg  | tcactctccag | cgtgaagaac | 2432220 |
| accaccggca  | cccccgccat | cgcgcctga  | cgcgcaaaga  | acaagtcgag  | tgccgtcttt | 2432280 |
| ccgtccgccc  | gacgcgccgc | cgtgaaaatc | aggttgccc   | gctgccatcc  | ccccgtcatc | 2432340 |
| tcgttcaggc  | gctgcaagcc | cgtaggtacc | cccgtgagtc  | cgttcaccga  | cagctcctgc | 2432400 |
| cggcggtcca  | ccagcgccac | cgtgtcctcc | atcacctccg  | gcattggggtg | caggtgatcc | 2432460 |
| tccagcggcg  | agtcgtcgag | cagcgcccc  | agttcccgt   | gcgtgccgat  | cagcacgtcg | 2432520 |
| tacacgtcgc  | acgtcatgtc | gtttgccgcc | gccagctccc  | gcgtcagcac  | ctccaccagt | 2432580 |
| cgcctgcgca  | gaaagtactg | gaacaagatg | gtgcagtgat  | actccagatg  | cgccgacgta | 2432640 |
| gccacctcgc  | ccgccagctt | cgccaccgca | aacggagcgc  | ccgcctcgtc  | cagtcgtccc | 2432700 |
| gaagcacgca  | gttctcgcga | caccgtaagc | atgtccaccg  | ccgtcccccg  | cgcatacagt | 2432760 |
| gcgctaatac  | cctcgaacac | cgcccgggtg | gccgtaatgt  | aaaacatctc  | cgcccgcagg | 2432820 |
| ctcttcagtg  | ccgtcgactg | tgccgtccgc | tccagcagac  | aggctcctaa  | aacggctctt | 2432880 |
| tctatttctt  | ctgcgtaaat | cattccccct | gtaatcttta  | aaaataattt  | tactgttggt | 2432940 |
| tttctaattt  | ttgaagtagt | atctgctgag | aatcaagctg  | atgcttattc  | tcacgtgtga | 2433000 |
| tcgcttgaaa  | atcaaaccga | tacattagtg | tttcgcttta  | tccggagaag  | caccgccggc | 2433060 |
| agaacgagca  | tcccgttttt | cggagaacct | cttcaaacag  | aactcccaca  | agaacattg  | 2433120 |
| ctgctgattg  | cacgcttcgg | cttttcgcg  | atgtcattc   | tcacgtgtgt  | catcttcaca | 2433180 |
| accgcccgt   | tcacgccgcc | catcttcaaa | acctcccgc   | tcacattgca  | ccgcttcacg | 2433240 |
| tcgttcaccc  | tcataacgtt | ccgcctcaca | ttgcaccgcc  | tcacgtgtgt  | catcctgcgc | 2433300 |
| tgcatcgcct  | gaaactcaac | ccgatgcatt | accgttttgc  | tttatccgga  | gaagcaccgc | 2433360 |
| cggcagcatg  | agcatcccgc | ttttcgga   | acctcttcaa  | gcaaaactcc  | cgcaaagaac | 2433420 |
| attgctgctg  | attgcacgct | tcggcttttc | tgtgatgtct  | atttacacgc  | tgttcatctt | 2433480 |
| catgccgttc  | cacttcacgc | cgctcatctt | catgctgttc  | catcgcaagc  | cgttcatttc | 2433540 |
| cacgcagctc  | atcttcacat | tgcaccgcct | cacgctgttc  | atcttcatgc  | tgctcattct | 2433600 |
| cacaccgctc  | cgcttcaagc | aacatcgccg | gtaattgtct  | cgtccgtttt  | cgctctacct | 2433660 |
| tgccgcgcaa  | cacagaaacc | agttttccat | agcctttccg  | aatcctcgga  | aaacaaatct | 2433720 |
| ttttcatagt  | cagatcatcc | aattcttaca | tccggtaccc  | ctcaattgat  | cacgaaactc | 2433780 |
| ttcatcagca  | gatagttgag | cgccgacctt | gcccggtcga  | tggacggcag  | cagacagaga | 2433840 |
| tacatctcca  | tggtgccgat | agcctcctcc | cgctcggcca  | gcgtcagctt  | gccccacgcc | 2433900 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| ttgcgcgccg  | cctcgatgtc | gagtgcgggc | tgctgcgtca  | gtgcgtggta  | ctgctcccag | 2433960 |
| aacacatcga  | acgactcgtc | ggtcaggttc | ttgggacgct  | cgcccactt   | gcggctcacc | 2434020 |
| ttcaggtggc  | acagttcctc | gtaatacagc | agcttcagct  | tcgagccgtg  | ggcggtagcg | 2434080 |
| gccgtgctca  | ccaccccttc | cagctccagc | cgggcaataa  | aacgcctcgc  | tcttcccctg | 2434140 |
| ctccacccga  | aacgcaagct | cagttcatgc | agagaatatt  | ccatttcccc  | ccttttcagc | 2434200 |
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| ccatactgtg | gcattattaa | cagcttacta  | gtaaataat   | atattatct   | aatttgacaa  | 2437440 |
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| caaccactat | tcgcgcaagc | tgaaggcaga  | cgtctttatc  | gacgaccgca  | acctgggagg  | 2437740 |
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| cattcacact | catactggta | ctactggcag  | gactgtcggg  | atgtacctcc  | tacaaaaacg  | 2437980 |
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| acaggaggtg | attccttcca | acgtaggctt | gcaggaccag  | aacctgagtt  | cggtcacatga | 2439900 |
| ccagtacaac | aacatgctca | tcgaacgcaa | gcggctgctc  | cgcacctcga  | gtgaaaacaa  | 2439960 |
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| aaacgtactg  | tcctacgcc   | gctaaagaag  | cagttagtag | caacaagcaa  | cctgaaaggt  | 2442780 |
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| caggaagatg  | aagttttcat  | tgtcctgtcc  | aaggacagga | ggaaagtccg  | tctcttcagc  | 2444040 |
| tatgacaggc  | gctcgttcag  | cctctatgag  | aaacgtttct | gtgaagggtta | caggttcatg  | 2444100 |
| cagttatgcc  | gtcagggaga  | tgaaatcata  | tacagcatac | agtggaaagga | tgtagttgtg  | 2444160 |
| ctgttacaga  | atcctgtaat  | taatcaattg  | aatatcaggt | aaataattat  | ataaaacatt  | 2444220 |
| tgtttatgtc  | actgaaaatg  | agtatcttta  | tggataaaca | acagggtgaca | tggacgatcg  | 2444280 |
| tgaatttgaa  | aaaatactgg  | cttcggccga  | acaactgagg | ctccgcgaaa  | aacaagcgga  | 2444340 |
| gccttgagca  | gatcgttatt  | ccgatatgaa  | ttccatggaa | aaatcaatgc  | tacttgacga  | 2444400 |
| gcttttcgct  | ttgcgtaaag  | cggataagga  | gcgtgaagca | aaacttctgg  | aaaagctgga  | 2444460 |
| ccggatgaca  | gagcagctga  | tgaatctgaa  | cgaagctca  | caagctcaag  | tcaaggttat  | 2444520 |
| tgatgggctg  | aaacagatga  | tagccagtcg  | ggacatccta | atagaaaaac  | tccagaagga  | 2444580 |
| aaatgcggcc  | ctgagagagc  | agaagaaaca  | ggacagaaag | aatctgtacg  | ggtctaaaag  | 2444640 |
| ccagaagatt  | tcacgcaaga  | aaaaagagga  | agcaccttct | catgaagaga  | acaaggatga  | 2444700 |
| ctttgacgga  | acttcaggac  | cttcatccgt  | ctctgcaagt | gacgaagggt  | ctctttcaca  | 2444760 |
| agcaccggag  | aaaaaagagg  | aaagacccta  | tcgcaagggg | atgtcttaca  | ggcgtatgaa  | 2444820 |
| ggcagacaag  | tcagtatgtc  | atgactcaga  | cttcagccgg | ctgccaaaag  | atgccgtaat  | 2444880 |
| catcaagacc  | ttctacaagt  | actcttacca  | gcagataagc | tatatattgg  | agcacaaata  | 2444940 |
| tcaggtaatc  | cgttacaagc  | agtccgacgg  | caagattcgt | gagggatatt  | tcccgaagac  | 2445000 |
| cggagaaccg  | gactacatag  | atgtagttcc  | cgggactcat | gcacggcg    | actttctggc  | 2445060 |
| tcacctggca  | ttcaatcatt  | ttgtgctgaa  | tgtcccctac | taccgtgaaa  | tgtaccgtct  | 2445120 |
| atcggatcat  | aagatgtccc  | tgagccggat  | gacgctggct | aactggctcg  | caaaggagac  | 2445180 |
| cgctttttaca | agcgctctga  | tagagagact  | gaaagaccgc | gccatggtca  | aggactccat  | 2445240 |
| tgtcaactgt  | gacgagacct  | ggtgcaaggt  | gaagatgaac | agacatttcc  | tgaaaaagta  | 2445300 |
| tgtctggtgc  | ctggtaaaca  | aggaacagaa  | aatagcaatc | tactgttatg  | aggacggctc  | 2445360 |
| cagaggacgt  | aaggtttctca | aggaatcct   | caaggaccgg | caggtaaagg  | cgctgcagtc  | 2445420 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
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| ctgcctggct  | catgcacgtg | ccaaatttgt  | ctatgcata   | gaacagggcg | atgatcccg   | 2445540 |
| tgcaaaatat  | ctgatagact | gtttcggaga  | gctttaccgg  | ctggaagata | cttataaatt  | 2445600 |
| aagcgggctt  | tcagcacagg | agataaccag  | ctgccgacac  | tcattgcgga | ccaaggaaat  | 2445660 |
| tatagggcgc  | ataagaagca | agctggatgt  | gctgctgtct  | ccgactcatc | ctccccgtgg  | 2445720 |
| agaactcatg  | gacaaggctg | tgaattatct  | gcaggttttc  | tggaacagc  | tctttgccta  | 2445780 |
| tctgaacgat  | gggcgggatg | acatagacaa  | ttcaatagca  | gaacgtttca | tccgtccgct  | 2445840 |
| ggcgggggag  | cgcaagaact | cgctgttctt  | tgttggcagc  | cgcatggcaa | atgtatcggc  | 2445900 |
| agcctaccat  | acgctgctct | caacatgccg  | aatgaacggg  | ctgtctgctc | tggaatatct  | 2445960 |
| caagaaaattc | ttccacgaaa | ttgtcaaagg  | gagaaaggat  | tatgaaaatc | tcctgcctat  | 2446020 |
| gacaattgga  | attaatacta | acaaatatta  | ataatcacgt  | tcaatttttg | atttttttta  | 2446080 |
| taggaaaccg  | ctgaaaagcg | gctttcccta  | tactacacgt  | caaaattgga | cgctaactga  | 2446140 |
| aagaatactg  | gcttcggccg | aacaactgag  | gctccgcgaa  | aaacaagcgg | agccttggac  | 2446200 |
| agatcggtat  | tccgatatga | attccatgga  | aaaatcaatg  | ctgcttgacg | agcttttcgc  | 2446260 |
| tctgcgtaaa  | gcgataaagg | agcgtgaagc  | aaaacttctg  | gaaaagctgg | accgaatgac  | 2446320 |
| agagcagctg  | atgaatctga | acgaaagctc  | acaacgctta  | ctgaagcaaa | atgaggaaca  | 2446380 |
| gcagaagata  | atctttgatt | taaataaatt  | ggttgagaag  | cttcagaagg | aaaatgcagc  | 2446440 |
| cctgaaagag  | cagaagaaac | aggacagaaa  | gaatctgtac  | gggtctaaaa | gccagaagat  | 2446500 |
| ttcacgcaag  | aaaaaggagg | aagcaccttc  | tcatgaagag  | aacaaggatg | actttgacgg  | 2446560 |
| aacttccgga  | ccttcacccg | tttccgcaag  | tgacgaaaat  | gctctttcac | aagcaccgga  | 2446620 |
| gaaaaaagag  | gaaagaccct | atcgtaaggg  | gatgtcttac  | aggcgtatga | aggccgacaa  | 2446680 |
| gtcagtatgt  | cacgattcag | acttcagccg  | gctgccgaaa  | gatgccgtaa | tcatcaagac  | 2446740 |
| cttctacaag  | tattcttacc | agcagataag  | ctatatattg  | gagcacaaat | atcaggtaat  | 2446800 |
| ccgttacaag  | cagtccgacg | gcaagattcg  | tgagggatat  | ttcccgaag  | ccggagaacc  | 2446860 |
| ggactacata  | gacgtagttc | ccgggactca  | tgcatcggcg  | gactttctgg | ctcacctggc  | 2446920 |
| attcaatcat  | tttgtgtgta | atgtccccta  | ctaccgtgaa  | atgtaccgtc | tatcggtatca | 2446980 |
| taagatgtct  | ctgagccgga | tgacgtgggt  | caactggctc  | gccaaaggag | ccgcttttac  | 2447040 |
| aagcgctctg  | atagagagac | tgaaagaccg  | cgccatgggtc | aaggactcca | ttgtcaactg  | 2447100 |
| tgacgagacc  | tggtgcaagg | tgaagatgaa  | cagacatttc  | ttgaagaaat | atgtctgggtg | 2447160 |
| cctggtaaac  | aaggaacaga | aaatagtaat  | ctactgttat  | gaggacgggt | ccagaggacg  | 2447220 |
| taagggtctc  | aagggaatcc | tcaaggaccg  | gcaggtaaag  | gcgctgcagt | cggacgggta  | 2447280 |
| caacgtttat  | atgtacatcg | ataaagaact  | ggtagacacg  | gaacatctct | gttgtctggc  | 2447340 |
| tcatgcacgt  | gccaaatttg | tctatgcata  | tgaacagggc  | gatgatcccg | atgcaaaata  | 2447400 |
| tctaatagac  | tgtttcggag | agctttaccg  | gctggaagat  | acttataaat | taagcgggct  | 2447460 |
| ttcagcacag  | gagataaacc | gctgccgaca  | ctcattgcgg  | accaaggaaa | ttatagggcg  | 2447520 |
| cataagaagc  | aagctggatg | tgctgctgtc  | tccgactcat  | cctccccgtg | gagaactcat  | 2447580 |
| ggacaaggct  | gtgaactatc | ttcagggtttt | ctggaaacag  | ctctttgcct | atctgaacga  | 2447640 |
| tgggcgggat  | gacatagaca | attcaatagc  | agaacgtttc  | atccgtccgc | tggcggggga  | 2447700 |
| gcgcaagaac  | tcgctgttct | ttgttggtag  | ccgcatggca  | aatgtatcgg | cggcctatca  | 2447760 |
| tacgtgctc   | tcaacatgcc | gaatgaacgg  | gctgtctgct  | ctggaatatc | tcaagaaatt  | 2447820 |
| cttccacgaa  | attgtcaaag | ggagaaagga  | ttatgaaaat  | ctgctgccca | tgactatcgg  | 2447880 |
| aattaatact  | aacaaatatt | aataatcaag  | ttcaattttt  | gattttttta | ataggaaacc  | 2447940 |
| gctgaaaagc  | ggcttttact | atactacacg  | tcaaaatttg  | gtaagcgtcc | aattttgacg  | 2448000 |
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| aggatgaatcc | atccaggatt | tctgtttgaa  | aaacaaggta  | ccctacaatc | tctttcataa  | 2448180 |
| atggtacaag  | gatacaagac | atcaaatagt  | accggtacaa  | gtagaaggac | aaccggaaat  | 2448240 |
| ggatacacaa  | tcctcaaagg | aagtgtcctc  | ttctcctact  | ctggaaagaa | aggagaatac  | 2448300 |

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| gcaacgaaac  | ttgacctacc | ggaacttgag | aagtctgata  | gagaaactgg | agggattatg  | 2448420 |
| ctgaatgtca  | caggaatgaa | cagattttac | tatctgcgta  | attttcacga | tatgcgctgt  | 2448480 |
| aagtatgaac  | gggtactatc | catcattcat | cagcagctga  | accgcgagcc | acaggaagat  | 2448540 |
| gaagttttca  | ttgtcatgtc | caaggacagg | aggaaagtcc  | gtctcttcag | ctatgacagg  | 2448600 |
| cgctcgttca  | gcctctatga | gaaacgtttc | tgtgaagggt  | acaggttcat | gcagttatgc  | 2448660 |
| cgtcagggag  | atgaaaccat | atacagcata | cagtgggaagg | atgtagttgt | gctgttacag  | 2448720 |
| aatcctgtaa  | ttaatcaatt | gaatatcagg | taaataatta  | tataaaacat | ttgtttatgt  | 2448780 |
| cactgaaaat  | gagtatcttt | atggtataac | aacagggtgac | atggacgatc | gtgaatttga  | 2448840 |
| aaaaatactg  | gcttcggccg | aacaactgag | gcttcgcgaa  | aaacaagcgg | agccttggac  | 2448900 |
| agatcgttat  | tccgatatga | attccatgga | aaaatcaatg  | ctgcttgacg | agctttttgc  | 2448960 |
| cctgcgtaaa  | gcggataaag | aagaaaggga | cagacttctg  | gaaaagctgg | accgaatgac  | 2449020 |
| agagcagctg  | atgaatctga | acgaaagctc | acaagcgcaa  | gtcaaggtta | ttgatgggct  | 2449080 |
| gaaacagatg  | atagccagtc | gggacatcct | aatagagaaa  | ctccagaagg | aaaatgcagc  | 2449140 |
| cctgaaagag  | cagaagaaac | aggacagaaa | gaatctgtac  | gggtctaaaa | gccagaagat  | 2449200 |
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| gacttcagga  | ccttcatccg | tctccgcaag | tgacgaagat  | gctctttcac | aagcaccgga  | 2449320 |
| gaaaaaagag  | gaaagaccct | atcgtaaggg | gatgtcttac  | aggcgatga  | aggcagacaa  | 2449380 |
| gtcagtatgt  | catgactcag | acttcagccg | gctgccgaaa  | gatgccgtaa | tcatcaagac  | 2449440 |
| cttctacaag  | tattcttacc | agcagataag | ctatatattg  | gagcacaat  | atcaggtaat  | 2449500 |
| ccgttacaag  | cagtccgacg | gcaagattcg | tgagggatat  | ttcccgaag  | ccggagaacc  | 2449560 |
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| attcaatcat  | tttgtgctga | atgtccccta | ctaccgtgaa  | atgtaccgtc | tatcggatca  | 2449680 |
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| aagcgctctg  | atagagagac | tgaaagaccg | cgccatgggtc | aaggactcca | ttgtcaactg  | 2449800 |
| tgacgagacc  | tggtgcaagg | tgaagatgaa | cagacatttc  | ttgaagaaat | atgtctgggtg | 2449860 |
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| aaagggttctc | aagggaatcc | tcaaggacag | gcaggtaaag  | gcactgcagt | cggacggtta  | 2449980 |
| caacgtttat  | atgtacatcg | ataaagaact | ggtagacacg  | gaacatctct | gttgtctggc  | 2450040 |
| tcatgcacgt  | gccaaatttg | tctatgcata | tgaacagggc  | gatgatcccg | atgctaataa  | 2450100 |
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| acgcaagaac  | tcgctgttct | ttgttggcag | ccgcatggca  | aatgtatcgg | cagcctacca  | 2450460 |
| tacactgctg  | tcaacatgcc | gaatgaacgg | actgtctgct  | ctggaatatc | tcaagaaatt  | 2450520 |
| cttccacgaa  | attgtcaaag | ggagaaagga | ttatgaaaat  | ctcctgccta | tgacaatttg  | 2450580 |
| aattaatact  | aataaatatt | aataatcacg | ttcaattttt  | gattttttta | ataggaacc   | 2450640 |
| gctaaaaagc  | ggctttccct | atactacacg | tcaaaatttg  | acgctaacca | aaattggacg  | 2450700 |
| ctaacacatt  | aagcaataaa | tgaagcaagc | caacaaaaat  | tttataacaa | atatattata  | 2450760 |
| tttaattata  | aatatagcaa | taggagtcct | atatactcct  | tacttagtaa | aacacgttgg  | 2450820 |
| tattatagca  | tatggaattg | tcccccttgc | actaatcata  | aatcaatata | ttaatgttat  | 2450880 |
| ttcgttacca  | ttaatcaatg | ccttaacaag | atttttattct | gttgagtaca | gaaaagggaa  | 2450940 |
| ctttaataat  | gcttctaaat | atctttctac | ctcaattggt  | gtaagcataa | tttttacaat  | 2451000 |
| aatattatac  | ccattaatgc | atatagctat | aaactatatt  | gacttattat | ttgatatccc  | 2451060 |
| agaaacacta  | ttagataatg | caatattact | ttttagactt  | actatagcta | gcttctttat  | 2451120 |
| ttctattatt  | tctaattgct | taaatacaac | ccttttttca  | aacaacttac | ttaattatgt  | 2451180 |

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| ttgtatagat  | ataaacatta  | tatatatagg  | atgggtctaac | ttcatttctg | agatgcttgt | 2451300 |
| attaattcta  | aatatatttt  | tttacaagaa  | aacaaaacca  | caatatatac | attgcgattt | 2451360 |
| taaactatat  | gacaaaaaat  | atttaattgc  | aatgtttagga | atgattattt | gggtattagt | 2451420 |
| tcaaagattt  | tctgatactt  | ttttatataa  | aatagattct  | gttttaataa | atctattttt | 2451480 |
| tggaataaaa  | atgacaggta  | taattggcgc  | tatttctgaa  | tttggaagtt | acgtcatatc | 2451540 |
| tataacaact  | attcttgtat  | cattatttgg  | tccactatta  | ttaatagcat | attcccaaca | 2451600 |
| gaaatataaa  | gatttatattg | aaaaaacaat  | tcatggagga  | tatttagtcg | gcttgttttc | 2451660 |
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| aactgttggg  | gccatttatt  | ccaatagtta  | tctttatgct  | aattacaata | aatatccagc | 2451840 |
| attactatca  | atagtaattg  | ctttatttaa  | tattatcatc  | aatgtattca | ttttaaatat | 2451900 |
| acaaccctct  | ataaatatct  | tcttaataat  | atgttttact  | tttatgttaa | tccagggatt | 2451960 |
| tgcaatgaac  | atattttttt  | acaatcgttt  | atatccaggg  | aaactcaaag | aaatcatcat | 2452020 |
| tttgacctct  | aaatatacca  | tatattttat  | attactgtat  | tttataacgc | ttatatcaag | 2452080 |
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| tataggaatc  | attgttttag  | actcgatatt  | cttatcta    | aaacaaagaa | acatgttata | 2452200 |
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| aaaacttata  | ttaacaacat  | attgtttctt  | ctaggtatta  | tagtttcagg | gtatatacta | 2452320 |
| ttcaattcaa  | cacacaaagg  | atatacaaat  | tattacctag  | taccactcat | atttgctatt | 2452380 |
| tatgtcaaat  | tagataagga  | aatctatata  | agagcaatga  | ataatgtagg | ttttgccatg | 2452440 |
| ttttttattt  | ctagttgctt  | ccggttttat  | atagttccat  | ttattacatg | cgcctccaaa | 2452500 |
| tatgcagtta  | ttctaggaat  | gtctccaaca  | attcaagact  | ataaggaagc | ggttaattta | 2452560 |
| gcaatatacg  | aagaaattac  | tatattattt  | attttttata  | caatactacg | aaaaaaattt | 2452620 |
| tataaaacag  | agtactacct  | ctccaatcaa  | gttcaaaaaa  | tagaactaat | aaaatcacat | 2452680 |
| aaactattta  | catttataat  | tgtcacatca  | ttactaatta  | tactgctgat | acctcaaagt | 2452740 |
| atttcaaaca  | taaattttat  | tacaaactta  | ggaaatataa  | atttagcaga | aacaatagtg | 2452800 |
| ctaaacttcc  | cttttagctgg | attatgcaca  | gctattataa  | acttaggacg | tttttttaca | 2452860 |
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| tttggaatga  | ttgttcccat  | tatcagtttt  | acatattttac | ttttaaaaat | atatgataat | 2453040 |
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| tctgcaatta  | aattcttctc  | tgaagataga  | aacacaaacg  | caaagtccag | taatgaagtt | 2453160 |
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| aatgatagtt  | ttcaaaacat  | attaggttta  | agcaacttaa  | caacacctca | actaaataca | 2453340 |
| accagattat  | ataattatac  | ctattttcca  | aacagcagat  | caatcagtc  | aattccacct | 2453400 |
| aatataataa  | atggattata  | ctatttcgga  | tgggtttttag | cacctttata | tatattatta | 2453460 |
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| aaaaccaata  | ctaatagaaa  | ataaattcaa  | tatggaacaa  | gtgttttttg | tagtagaaaa | 2453700 |
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| tcaacaagga  | tacaatgtaa  | ctatctgcac  | cagactttat  | aaaggattac | cacgccaaga | 2453820 |
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| tgtcggagaa  | atagatcaat  | atcgtaattt  | tattctaagc  | agccatatag | atgtattaat | 2453940 |
| ttgcgaatgt  | tctgaatgtt  | caactacaga  | tatactacta  | aaagatctgc | acaagataaa | 2454000 |
| ggctaaaaaa  | atatttcact  | cacatggctt  | tgcaggaatg  | agattaaagt | ttctgaaatg | 2454060 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gaatacaaat  | cttaaataata | cactggggaa  | cacatacaac  | tggttacgat  | ttaaattggt  | 2454120 |
| ttacaataatt | acctttaaga  | aatatataca  | agacttcgat  | gtagccttat  | gcttatcaga  | 2454180 |
| tggtgatagc  | agtaaaaaat  | ggtagaaaa   | aaattctaaa  | aaagtaatcg  | tattgcaaaa  | 2454240 |
| tgctgtaaat  | gacataatatt | acaattctac  | atctaataca  | caaatttatc  | cagccattgc  | 2454300 |
| tgattttaa   | aaaaattatc  | tattatgtgt  | agcaacatac  | agtaaacaaa  | aaaaccaaat  | 2454360 |
| agatatagta  | aaagaatatt  | ttaaaaccaa  | aacagattat  | gctttgggtt  | ttataggacc  | 2454420 |
| tgaggaaaat  | gaatattatc  | atctcttaaa  | aaaagaaatc  | agtaacttag  | aaaagtttta  | 2454480 |
| tgggcacaga  | gatatcctca  | cccttactca  | tggtccacgt  | tctttcatac  | ctaacataat  | 2454540 |
| aggcaatgct  | tcactatatt  | tggttaggaag | tagatttgaa  | gaatattcta  | tatcactaat  | 2454600 |
| tgaaacaatg  | gcaaaaaggta | ttcctttttat | aagtactaac  | gtaggaaatg  | cgtgcatatt  | 2454660 |
| accaggaggt  | attacaatca  | ataaaataag  | tgaaatgcat  | aatcaaatag  | acaatttgct  | 2454720 |
| aaaagataaa  | gaaaaatacg  | aacaacttag  | cagatttagga | aaagcatttg  | tagaagagaa  | 2454780 |
| ttgtcgaata  | aataaagcag  | ttaaattact  | aagttctatt  | ataaaatctg  | aaaaatgaaa  | 2454840 |
| ataataacat  | ttcaagcagg  | attaggaaac  | caaataattc  | aatatgcata  | ctatttgcat  | 2454900 |
| ttatgcaaaa  | tatttcctaa  | tgaaactttt  | tatgggtttt  | atccgaaaag  | agctctcaaa  | 2454960 |
| gaccataatg  | ggtagaaat   | ttgtcaatgg  | tttgacatag  | aattacccaa  | atcaaccaac  | 2455020 |
| atatctaatt  | ttatagctta  | tacattattt  | tgataaaca   | agctttgttg  | gaaattacaa  | 2455080 |
| ataccacatt  | ttctcactga  | tacagattgg  | tttagaaaac  | caaacgctat  | gttatattca  | 2455140 |
| ggcttttggt  | aagataagca  | atattttcta  | gaattaaata  | atttttcttt  | taaaaaggac  | 2455200 |
| ttaattctga  | gtgaaaccaa  | taaacatatt  | ctacaaaaaa  | tatgcgcaac  | aaactctgta  | 2455260 |
| gccgtacacg  | ttagaagagg  | tgattataca  | aatcccaaag  | ttcaacatat  | ctatggaaat  | 2455320 |
| atctgtactt  | tagattacta  | caatcaggct  | ataacaatag  | ctaaagaaaa  | aataaacaaa  | 2455380 |
| cctgaatttt  | tctttttctc  | cgatgatcct  | gaatatattg  | aagcaacttt  | caaaaatata  | 2455440 |
| aaaaaaacaa  | ttatcacatg  | gaataaagg   | aaagacagtt  | tcttcgatat  | gtatctaatt  | 2455500 |
| gcacattgta  | aaaatatgat  | tctagctaatt | agtacattta  | gttggtgggc  | tgcttactta  | 2455560 |
| aataaaaaacc | aaccactcgt  | tatttgctcc  | caaagtggtc  | gtaatgaccg  | ccctaccccc  | 2455620 |
| cccgttattt  | taaataattg  | gattacatta  | tgaaattaaa  | atcaatacca  | ggactagatg  | 2455680 |
| ttttaaaatt  | ctcaatggct  | ctactagtgt  | ttgccattca  | tgagaagca   | gttaacatat  | 2455740 |
| ataaaaaatat | atatgcaata  | atacaccctt  | taacagatat  | tgagttcca   | ttatttttct  | 2455800 |
| taatctcctc  | ttttcttgta  | ttttcaaaaa  | taagattaag  | caatgatagt  | agagaaacac  | 2455860 |
| tactacattt  | ttcaaagagg  | ttattaatac  | tatatgcttt  | ttggatgctc  | attcaaactc  | 2455920 |
| cattagtatt  | atacacaaga  | gattatctac  | aacaagattt  | attaacactt  | cccttatata  | 2455980 |
| ttattcgtga  | tatactcttc  | tggtctacct  | ttcatggatc  | atggtttcta  | tcagcattag  | 2456040 |
| taattggagt  | atggcttatt  | ttttctttat  | ccaaattcat  | tacagataaa  | tatatttgga  | 2456100 |
| tattaccttt  | ttttatttca  | atatatacat  | accattacga  | tttattttcca | actaactggc  | 2456160 |
| attattttata | tcaatgggtat | actaataact  | ttcaaactcc  | attaaattca  | tttcccgttt  | 2456220 |
| ctttaatgtg  | gattacttgc  | ggatatatat  | tatcaaatat  | acaagtatca  | aaagtcatta  | 2456280 |
| gtaactgtaa  | taacctcatt  | ctaataatcaa | tattttattat | ttcttggtata | ctaagcatta  | 2456340 |
| tactatcatg  | ggatatgcgt  | ttttttatgg  | tatcatcttt  | attttatttt  | agtttttaatt | 2456400 |
| ggaatataag  | ctacaaacct  | atacataaat  | atatgcgtca  | aagtagtata  | cttattttata | 2456460 |
| ttacacattt  | cattttttata | gtactgtttc  | gtcatctttt  | tcccaaaaata | gaaatactac  | 2456520 |
| aacatggaat  | aatttttata  | ataattctaa  | ttattctctg  | tttactaacc  | tcattttatta | 2456580 |
| ttctaagatt  | aaaagaatat  | aaaatatatt  | cttggctaaa  | atactcatac  | taacatgcaa  | 2456640 |
| aaacgattgt  | tttatcttga  | tgtaatgaaa  | ggaatattaa  | ttatattagt  | aatatttagga | 2456700 |
| cattcaatac  | aagatacaat  | ttctgattat  | caaaataact  | tcttattttcg | ctttattttat | 2456760 |
| tcttttcaca  | tgctcttatt  | ttttgcaata  | agtgggtatt  | taacattcaa  | aaataaatat  | 2456820 |
| gacaaaacgc  | tactaaaaaa  | acgagccttg  | caacttctag  | ttccttttcg  | agtatgggct  | 2456880 |
| tttgctttac  | cgatttgtac  | atatggcatt  | ttagactgga  | acaaaacaca  | aaaaatattg  | 2456940 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| ctttatccccg | ataacggatt  | atggtttctc | tataacttat | ttattttatag | taccatattt  | 2457000 |
| aatgcaacag  | aacgatggaa  | gacaaaaagg | tttggacaga | catttctctt  | ttgtatctgt  | 2457060 |
| tacatcatat  | tatgtatttt  | aatgactata | tttcataaat | tgtttaattt  | cacacaaata  | 2457120 |
| tgttgggtacc | taccattttt  | tgccatagga | ttctatctac | ataaatatga  | aagatcgata  | 2457180 |
| caaaaatata  | ataaagctat  | tttatggact | ggaacaattc | tttatatgtg  | tactatacct  | 2457240 |
| ttttggatga  | tgagagaaga  | acctttattt | tataaatgga | taaatttagg  | taatgtattt  | 2457300 |
| tcttactttt  | atagatatgc  | tgttgaattt | attggtacaa | tattattttt  | cacagctgga  | 2457360 |
| aaaaaattat  | tgaaccacca  | tttcataggg | ctaaaccaa  | taggcagaca  | gacattaggt  | 2457420 |
| atatatgctt  | ttcagttcat  | cacactttat | catataagta | aacttataac  | tctacagaat  | 2457480 |
| gtatatgtga  | atattttttt  | taaaacaata | ttcacattga | taactagtta  | tataatagt   | 2457540 |
| ttgattatcg  | aaagaataaa  | atttatcaat | ttattattta | tagcaatagt  | tcgttaaaaa  | 2457600 |
| ttagcccagc  | ctaagcggct  | ctggcagtaa | ataaaatgag | ttctttgaaa  | agtttgtcaa  | 2457660 |
| ttaattgcgt  | gtttggttca  | atcccagaca | cgcaaataaa | tcgttcaagc  | atgtaagcat  | 2457720 |
| tgtgtatgac  | tgacttgcac  | gatgatatgg | aatattttat | tcccatcttc  | ttacaggcag  | 2457780 |
| ccttggcgag  | gtttatcgct  | gcaagtgatg | cattaaagt  | gaatgccagt  | ttcctgaagt  | 2457840 |
| ctgtagactg  | acagtttgct  | attccggcat | gttgcttggc | atcccgaag   | cagaattcga  | 2457900 |
| gttggaacg   | tgttctgtaa  | aagtccagga | catcctgtgc | gttctgtatt  | tcgtttgtag  | 2457960 |
| agaaatacag  | ctgccatttg  | tccgttcttc | catccatggg | gtaccataca  | gccaggctca  | 2458020 |
| caaagcggtt  | gagtgcttg   | gagtatgctt | tcagtccgta | aagtttacc   | ttgttcactt  | 2458080 |
| tgtactcggt  | acatcttggt  | atgtccagat | tttcaaagtc | aattttctcg  | tcatgtaatt  | 2458140 |
| ttggacgtcc  | gcgttttctt  | gtcctatttt | ctaaggtggg | ataaaacaat  | acggcatcat  | 2458200 |
| tcctgaaacg  | gcttattacg  | tggaaaccgt | tatcgtacaa | tggtttgatg  | aaagttgcct  | 2458260 |
| ttgaaaagaa  | cgcatcacac  | acgactgtgc | cagaaatacg | tttcagctgt  | tcctgtatgc  | 2458320 |
| tgataaggta  | agagctgtac  | cagtcaacaa | gattcttctc | acagctttcc  | agcgttgctg  | 2458380 |
| tgtcagggtg  | ctgtacagag  | cccaaagtca | tacattcatg | gttgtcaacg  | tctataactc  | 2458440 |
| caataccggt  | tatttccagt  | ccacgtttgt | attcaccggc | acaaccggac  | cagaaatagc  | 2458500 |
| caatccacgg  | cgttttgctg  | cctgattttg | gaatgaaaga | cggatcaacg  | gctatcgctt  | 2458560 |
| tgcgaccacc  | tttaagggtg  | tccctgatga | tggcttcatt | gaaggaaaac  | cagtcaaagc  | 2458620 |
| cgctcgttctc | aaaattgttg  | cggatgtgtc | gttccgagaa | acatccatac  | cgtcccat    | 2458680 |
| gtaggaaatt  | gatgcggtca  | ggtatagcca | tgaataattt | cattgcatcc  | atgaatactt  | 2458740 |
| tctgaaaaga  | tttgcttata  | tttacagctg | attcgagagc | gtttctgcac  | tcggattggg  | 2458800 |
| attgcataag  | gagtgattct  | ttagtcataa | ttaaagtggt | tgaagtactt  | ctaatttact  | 2458860 |
| aaaaatcagt  | gaattatgaa  | atactttttc | tgttgatttt | cagctgttta  | gcatactttt  | 2458920 |
| ttcatccctt  | ttcttactcc  | ttgacgattt | attcttgaca | gtatttcaat  | gatctcttga  | 2458980 |
| atataatttt  | gaaccggatt  | atgccgattc | tatgtttaat | tttaatttat  | cggtaaaaat  | 2459040 |
| ttaccgaagt  | attgttatag  | gcaaagctaa | atgaaaacaa | ttacaataat  | aactcttcaa  | 2459100 |
| aacatacgt   | actacggttc  | agcgttacaa | gcacttgcta | ctcaaaaaat  | tttcgaacaa  | 2459160 |
| ttaggcttac  | aggttgattt  | tatcaattat | ctacgtgaaa | acgcttggtc  | aaataagaat  | 2459220 |
| aaaattaaaa  | cgtgggtgtca | aggtatgcct | ctattaaaga | aactctttta  | ctcttggtgca | 2459280 |
| ctatatccat  | ctttcctatt  | aatggataag | aaattcaata | gatttcttca  | aggtcatctc  | 2459340 |
| catgtacaaa  | aacaaactta  | ctctacagag | gaagatttta | aaaaatttcc  | tataacatca  | 2459400 |
| gatattttact | gtacaggaag  | cgatcaaacc | tggaatagcg | gatggaatgg  | cggcgattta  | 2459460 |
| ccttctctat  | ttctcagttt  | tgttccggac | aatattccca | aaatagccta  | ttcggccagt  | 2459520 |
| tttggaaggt  | ccaaactaga  | tgaatgggaa | aaagaagaaa | cccaaaaatt  | attacagcga  | 2459580 |
| taccaagcta  | tatctgtacg  | agaaagctct | ggggtagata | ttatcaataa  | tttaggaatt  | 2459640 |
| tctggagctg  | ttcatgtact  | agatccgact | ttgcaattaa | acaaagattt  | ttggaacaaa  | 2459700 |
| tatgctggta  | aaagaaaaat  | tagagttcca | tatctgttga | tataccaatt  | aaatacaaac  | 2459760 |
| tcccagttcg  | ataaatatgc  | taaagaaatg | gcaaaacgga | aaggattaaa  | gttagttcgt  | 2459820 |

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|             |            |            |            |            |             |         |
|-------------|------------|------------|------------|------------|-------------|---------|
| ttttgtacac  | gtatcgacca | atgcattaaa | tgtggaaaat | cattaatcat | cccagaagta  | 2459880 |
| ttggactttg  | tatcccta   | ttatcatgca | gatttagtaa | taacagattc | tttccatgct  | 2459940 |
| acagccttca  | gtattaatgt | taatactcca | tttatcagta | tatatccaga | tagtttcgga  | 2460000 |
| ggtcgtttag  | aaagcatact | caagcttact | aaattagaaa | acagacatct | caaactcgat  | 2460060 |
| actgattttt  | catatgtaac | aacttccaaa | atggatttta | cttatgcaaa | tgaagtttta  | 2460120 |
| gaaaaagaaa  | gagaaaaagg | atacaaattt | cttaaacaag | cactaaagat | aaaattataa  | 2460180 |
| ttatcaatct  | aaaaaaatag | cactatgtat | actcctctaa | aaaattatca | gataatcata  | 2460240 |
| tcattattaa  | aacaaaataa | tataaaacat | ttggtattat | cagcaggtag | aagaaatatt  | 2460300 |
| ccatttgtgc  | aatctgttga | aatgatccc  | ttctttactt | gctactcagt | cgttgatgaa  | 2460360 |
| agaagtgtcg  | cttatatggc | tctaggtatt | tcacttaaat | taaatgagcc | agtagtaatc  | 2460420 |
| tcattgtacat | cttctacagc | aacatgtaat | tactttcctg | ctatcgcaga | agcttttcac  | 2460480 |
| caaggagcac  | aacttattgt | tttaaccagc | gacagaaacc | ctgccttatt | agaccaacgt  | 2460540 |
| gaagaccaa   | tgataaatca | ggtcaatatg | tatggaacat | ttgtaaaaaa | agctgtaaat  | 2460600 |
| cttcctatta  | ttcatacaga | agaagactta | tggcattgcc | aaagacttgt | caatgaagcc  | 2460660 |
| attttagcaa  | caaattttca | tggaaaaggt | cccgtaaaaa | ttaatatcc  | catgctaaat  | 2460720 |
| tatgcatcag  | tctgttctga | aaaaaattgt | ttaactgctc | gaaaaattaa | cagaataaaa  | 2460780 |
| attgaaacag  | aaaatactgt | atgggaacaa | ttagctcaaa | aattaaactc | agctaaaaga  | 2460840 |
| ataatgatta  | tttgcggaca | aaataattat | acttctcctc | tattaaatca | attacttagc  | 2460900 |
| caatttacta  | aactttataa | ggctgtttta | ctcgtggaat | atatggccaa | tatagagtgt  | 2460960 |
| gaagaagcta  | ttaatccttt | tttacctttt | gagactcatg | taatgtcgag | tgggcgtttt  | 2461020 |
| gaagaattta  | taccagatat | agtcataagc | ttgggaacta | atgttatgtc | cggtattaaa  | 2461080 |
| cagcagttaa  | gagataaagc | aggtcgattt | gaacattggg | gtattgaaga | aagtggggat  | 2461140 |
| atcgtagata  | tgtataaaag | ccttatcaat | gtatttgagt | gttctcctga | atatttcttc  | 2461200 |
| caatatttta  | ttaaaaaatt | taataaaact | atagaacgtt | cagatgagta | tataaaactat | 2461260 |
| gtaaaagact  | ataaatcaaa | gctgaaatat | cctacactaa | aattctctaa | taatacagtt  | 2461320 |
| ataagagatt  | tagcaaaaag | gatacctgat | aattcagtag | tacatctcag | tattaataac  | 2461380 |
| agtatccgct  | tagttaactt | ttttggctta | cccaatagaa | gtatcaaagt | ttttgccaat  | 2461440 |
| attggtactc  | atggcattga | tggttgctta | tcttcattta | tagggcaatc | agtagtttca  | 2461500 |
| gatttctaaca | atctgaattt | tctcattata | ggggatctca | gtttctttta | tgatatggga  | 2461560 |
| gctatgagaa  | ttaaacacat | acctaagact | tgtagaattc | tattaattaa | taattacgga  | 2461620 |
| ggtgggggaat | ttcactatag | cacaacgcta | ctgaaagacc | ctacaatgga | tttacatata  | 2461680 |
| agtgcagctc  | accacaatac | agctaaagga | tgggtagaat | ctgttggatt | taaatactat  | 2461740 |
| tcagtacaca  | atgatgaaga | atatcagcaa | gtcttaataa | ttttcttata | gaaggatagt  | 2461800 |
| gaacaaccta  | tactcattga | agtcctttcc | gatatggaag | tagatgcaac | aactacacat  | 2461860 |
| gcattggaga  | atataaacia | gtatgaaact | acaaaagaaa | atattgttag | aaccataaaa  | 2461920 |
| aatactgttg  | tagatgccat | aggagctcca | gctgcaaaga | gaattataaa | caaattaaaa  | 2461980 |
| tagttactgt  | catcatgggt | tataaaaaaa | ttataaaaaa | aatagcgcaa | tttatattaa  | 2462040 |
| catctcaacc  | aaataacttt | gtcacagtaa | aaacagaatc | gattaattac | ggacacattt  | 2462100 |
| taaaaaatca  | atcaatagtt | attactggag | gcaataaagg | tattggatat | agtattgcaa  | 2462160 |
| aaaaatgtat  | ttcggaagga | gccaatgttc | taatactagg | tagagattta | gatactctca  | 2462220 |
| aaaaagcagc  | tgcaacatta | ggtaatcaat | gcaattttct | gcaatttgat | gttactcaga  | 2462280 |
| ctaaagaata  | ccctaattct | tttgaaaaat | gcaaaaaaat | tttaggaggg | agtatagatt  | 2462340 |
| gttgggttaa  | taatgcaggt | cattagtgtc | caataaaaaa | ggactagtta | aaaaattaat  | 2462400 |
| caaatagtcc  | ttcaaaaagg | ggataatcga | gttctttgac | atcgttgaaa | tcagtcttat  | 2462460 |
| cgaacagttc  | acgcaagtta | gttttgtccg | ttagagagat | gcttagaatc | tgcaaaactt  | 2462520 |
| cagtaagcgt  | ccaattttga | cgtattgcct | caaagaataa | aaaatatgac | cttcgctgct  | 2462580 |
| gtaacaaaaa  | tattaaaagt | atgtacagca | gcagtgattt | tgaaaggctg | ttcatccgct  | 2462640 |
| acaaggcgga  | agcaatgcc  | caaggtgaat | ccatccagga | tttctgtttg | aaaaacaagg  | 2462700 |

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|             |             |             |            |             |             |         |
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| taccctacaa  | tctctttcat  | aatggtaca   | aggatacaag | acatcaaata  | gtaccggtac  | 2462760 |
| aagtagaagg  | acaaccggaa  | atggatacac  | aatcctcaaa | ggaagtgtcc  | tcttctccta  | 2462820 |
| ctctgaaaag  | aaaggagaat  | acggaaccct  | gtcctataag | gatgatgata  | gacatccgta  | 2462880 |
| tgacaaacgg  | aatacggata  | cagcaacgaa  | acttgaccta | ccggaacttg  | agaagtctga  | 2462940 |
| tagagaaact  | ggagggatta  | tgctgaatgt  | cacaggaatg | aacagatfff  | actatctgcg  | 2463000 |
| taatfffccac | gatatgcgct  | gtaagtatga  | acgggtacta | tccatcattc  | atcagcagct  | 2463060 |
| gaaccgcgag  | ccacaggaag  | atgaagtttt  | cattgtcatg | tccaaggaca  | ggaggaaagt  | 2463120 |
| ccgtctcttc  | agctatgaca  | ggcgctcggt  | cagcctctat | gagaaacggt  | tctgtgaagg  | 2463180 |
| ttacaggttc  | atgcagttat  | gccgtcaggg  | agatgaaacc | atatacagca  | tacagtggaa  | 2463240 |
| ggatgtagtt  | gtgctgttac  | agaatcctgt  | aattaatcaa | ttgaatatca  | ggtaaataat  | 2463300 |
| tatataaaac  | atfctgtttat | gtcactgaaa  | atgagtatct | ttatggtata  | acaacagggtg | 2463360 |
| acatggacga  | tcgtgaatff  | gaaaaaatac  | tggcttcggc | cgaacaactg  | aggcttcgcg  | 2463420 |
| aaaaacaagc  | ggagccttgg  | acagatcggt  | attccgatat | gaattccatg  | gaaaaatcaa  | 2463480 |
| tgtctcttga  | cgagctffff  | gccctgcgta  | aagcggataa | ggaagaaagg  | gacagacttc  | 2463540 |
| tggaaaagct  | ggaccgaatg  | acagagcagc  | tgatgaatct | gaacgaaagc  | tcacaagcgc  | 2463600 |
| aagtcaaggt  | tattgatggg  | ctgaaacaga  | tgatagccag | tcgggacatc  | ctaatagaga  | 2463660 |
| aactccagaa  | ggaaaatgca  | gccctgaaag  | agcagaagaa | acaggacaga  | aagaatctgt  | 2463720 |
| acgggtctaa  | aagccagaag  | atfctacgca  | agaaaaagga | ggaagcacct  | tctcatgaag  | 2463780 |
| agaacaagga  | tgactttgac  | gggacttcag  | gaccttcatc | cgtctccgca  | agtgcgaag   | 2463840 |
| atgctctttc  | acaagcaccg  | gagaaaaaag  | aggaaagacc | ctatcgtaa   | gggatgtctt  | 2463900 |
| acaggcgtat  | gaaggcagac  | aagtcagtat  | gtcatgactc | agacttcagc  | cggctgccga  | 2463960 |
| aagatgccgt  | aatcatcaag  | accttctaca  | agtattctta | ccagcagata  | agctatatat  | 2464020 |
| tggagcacia  | atatcaggta  | atccgttaca  | agcagtccga | cggcaagatt  | cgtgagggat  | 2464080 |
| atfctccgaa  | agccggagaa  | ccggactaca  | tagacgtagt | tcccgggact  | catgcatcgg  | 2464140 |
| cggactffct  | ggctcacctg  | gcattcaatc  | atfctgtgct | gaatgtcccc  | tactaccgtg  | 2464200 |
| aaatgtaccg  | tctatcggat  | cataagatgt  | ctctgagccg | gatgacgctg  | gtcaactggc  | 2464260 |
| tcgccaaagg  | agccgctfff  | acaagcgctc  | tgatagagag | actgaaagac  | cgcgccatgg  | 2464320 |
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| tcttgaagaa  | atatgtctgg  | tgcctggtaa  | acaaggaaca | gaaaatagta  | atctactggt  | 2464440 |
| atgaggacgg  | ttccagagga  | cgaaaggttc  | tcaagggaat | cctcaaggac  | aggcaggtaa  | 2464500 |
| aggcactgca  | gtcggacggt  | tacaacgttt  | atatgtacat | cgataaagaa  | ctggtagaca  | 2464560 |
| cggaaacatct | ctgttgtctg  | gctcatgcac  | gtgccaaatt | tgtctatgca  | tatgaacagg  | 2464620 |
| gcgatgatcc  | cgatgctaaa  | tatctgatag  | actgtttcgg | agagctttac  | cggctggaag  | 2464680 |
| atacttataa  | attaagcggg  | ctfctcagc   | aggagataac | cagctgccga  | cactcattgc  | 2464740 |
| gaaccaagga  | aattataggg  | cgcataagaa  | gcaagctgga | tgtgctgctg  | tctccgactc  | 2464800 |
| atcctccccg  | tggagaactc  | atggacaagg  | ctgtgaatta | tcttcagggt  | ttctggaaac  | 2464860 |
| agctctttgc  | ctatctgaac  | gatgggcggg  | atgacataga | caattcaata  | gcagaacggt  | 2464920 |
| tcatccgtcc  | actggcgggt  | gaacgcaaga  | actcgctggt | ctfctgttggc | agccgcatgg  | 2464980 |
| caaatgtatc  | ggcagcctac  | catacactgc  | tgtcaacatg | ccgaatgaac  | ggactgtctg  | 2465040 |
| ctctggaata  | tctcaagaaa  | ttcttccacg  | aaattgtcaa | aggagaaaag  | gattatgaaa  | 2465100 |
| atctcctgcc  | tatgacaatt  | ggaattaata  | ctaataaata | ttaataatca  | cgttcaatff  | 2465160 |
| ttgattffff  | taataggaaa  | ccgctaaaaa  | gcggctfctc | ctatactaca  | cgtcaaaatt  | 2465220 |
| ggacgctaac  | aaaacttcat  | aagttgagcg  | cttcaattgc | atatcgtggt  | ggacaatagc  | 2465280 |
| cactagacag  | taagtgtatg  | ttgctacact  | gatttgaatg | cggacagcat  | tttccggtgt  | 2465340 |
| gccccagaat  | ctfcttattt  | taagggtgctg | cttgagccat | ttgaagaata  | gctcgaccaa  | 2465400 |
| ccatctfctc  | ttgtagagat  | tagcaacgctc | caatgcagaa | atatgtgttg  | cgtfctgtcag | 2465460 |
| gaaagtgaac  | tcacggtcac  | cctcttcatc  | atagtaacga | atgagtcgga  | atgactcggg  | 2465520 |
| atattfcttc  | tctgagaggt  | atccggtcag  | tttcaattca | gcattctgtaa | gtacatactt  | 2465580 |

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|             |             |            |             |             |             |         |
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| gaaaaaggaa  | cctgtcaggt  | gtatcctata | tagttcctta  | aaagagtcac  | aagccctgtc  | 2465700 |
| gaatatataa  | taagcatttg  | gttcataatg | gattgaacac  | atcgctgtag  | agtcgtgctt  | 2465760 |
| cgatgctgtg  | gttacagtat  | agaaggcagg | aacttgtgct  | tcaatgtcat  | ataagacatg  | 2465820 |
| agctttgaca  | cctcctttct  | ttcttcggaa | cttcgcccac  | ggaaatgtgg  | ctagacacaa  | 2465880 |
| cggaatagtt  | gttgaatcaa  | aagcatactt | attccctgga  | atatccaaga  | tgttggtcgc  | 2465940 |
| tcgcttttca  | caagcttcct  | tcattatata | gaatgcgaag  | tcttcaaaga  | ttctgtagtc  | 2466000 |
| acgattctga  | ttagcataag  | cgagggtggc | tttggtctatt | ggattgcgtc  | ccagaccaag  | 2466060 |
| atgatattgc  | ttggcttgat  | gcgcttcaaa | agctacaatt  | aagtcgcgaa  | gactctcacg  | 2466120 |
| attgctcagt  | tgtccgaaca  | tcatagcaag | taactgattc  | cagcagggtga | attgtttcac  | 2466180 |
| gtagcgatta  | ccattatact  | tgcgaacaaa | gttattgaat  | tgtgttctgt  | tcataaaaagc | 2466240 |
| ggtaagtga   | gcgaatacgt  | atttatcttg | gttcataagc  | ggcattcaat  | ttgaccgcta  | 2466300 |
| agctacgaat  | tcaaaccgt   | ttcattctaa | aatactgctt  | aagagactgt  | atttcaacaa  | 2466360 |
| tttcaaaggc  | ccattaacca  | acttttattg | gacagtagtg  | aatgcaggta  | tatctttaca  | 2466420 |
| tgaaggaagc  | tttaagaatg  | taactattga | aggttttaaat | aaacaaatag  | atatcaatct  | 2466480 |
| caaagcatat  | tattttttga  | gtaaagcatt | tcttgaaatg  | aaactagaag  | aacataaaga  | 2466540 |
| tggttaattta | ttattaatat  | catctgaaac | aggttccctt  | tatgatgata  | ttccttatgg  | 2466600 |
| tataataaaa  | gcagggtataa | attcactaac | tggtgcttta  | tcaagaagag  | tttataaatc  | 2466660 |
| aggattaga   | gttaatgcaa  | tagcccctgg | agtaacttta  | acagatatga  | ccaaagagta  | 2466720 |
| caccaacaca  | accagtggca  | atttgtctgt | taatagtgtc  | agcgggaagat | atTTTTTacc  | 2466780 |
| tgatgaagta  | gcagaagtag  | cctgcttttt | actaagtaaa  | gcactctcagt | gtatctccgg  | 2466840 |
| tgaattatt   | cattgtaacg  | gaggtaatca | tctgaaatta  | aatcgagaaa  | acattgaata  | 2466900 |
| gatttttatgc | aaccattaat  | atcaattatt | gttccctgct  | ataaagtaga  | gaagtatcta  | 2466960 |
| cctaagtgt   | ttgacagtat  | tattaaacag | acctatacaa  | atctagaaat  | attccttgta  | 2467020 |
| gatgacggct  | cacctgacaa  | atgtgggaaa | atatgtgatg  | aatatgcaca  | aaaagatcct  | 2467080 |
| cgtataaaaag | taatacacaa  | aacaaatgga | ggattgtcag  | atgcaagaaa  | cgtggctata  | 2467140 |
| gataaaatga  | ctggagaata  | tgtagttttt | gtagacagtg  | acgactatat  | agcaccaacc  | 2467200 |
| catattgaag  | gcctttatag  | tatgattcag | cgctaccaag  | ctgagatagg  | cataaacact  | 2467260 |
| tttataacct  | tccatgatgg  | aagtgccctt | cttccccacc  | caaaatcacc  | aaaagagtat  | 2467320 |
| gtttatacag  | gattagaagc  | cactgaaaaa | atgttctatc  | aagaaatgtt  | tgataatagc  | 2467380 |
| gcatgggggaa | aaatgtacaa  | atccagctta | ttctataata  | ttcgttatcc  | taaaggatta  | 2467440 |
| ttatatgagg  | atcttccaac  | aacttataaa | ctaattgctta | aggcatcaaa  | agttgcatat  | 2467500 |
| aataataatg  | aaacatacta  | ttatttatta | agagcagata  | gtatagaagg  | atctaaattc  | 2467560 |
| actcctgaaa  | aattgaatag  | cgcatthaaa | ctaattggagt | taatggaaca  | ggacgtaaaa  | 2467620 |
| tattttacaac | ccattattaa  | aagctattac | tgcagaatgg  | ttagtttcat  | tttccatatg  | 2467680 |
| gtttttacaaa | tgccagaaca  | atatgagcat | aaagacttgt  | tttataataa  | actaaaaaaa  | 2467740 |
| tatagaagaa  | ctgtattgct  | agataaaaat | gcacgaaaga  | aaacacgtat  | agcatgcttc  | 2467800 |
| ttctcatatt  | taggaataaa  | cactgtaaga | tattttattca | actatatcaa  | taaaagacga  | 2467860 |
| taaatacaac  | atataataat  | caaaatatca | acaatttagt  | atctttttata | acttcagaac  | 2467920 |
| caagctttat  | tatctccttg  | ataattataa | aaacacaaaa  | aaattatttt  | gtaagcgtcc  | 2467980 |
| aatttttgacg | tattgcctca  | aagaataaaa | aatatgacct  | tcgctgctgt  | aacaaaaata  | 2468040 |
| ttaaaagtat  | gtacagcagc  | agtgattttg | aaaggctgtt  | catccgctac  | aaggcggaag  | 2468100 |
| caatgccaca  | aggtgaatcc  | atccaggatt | tctgtttgaa  | aaacaaggta  | ccctacaatc  | 2468160 |
| tctttcacaa  | atggtacaag  | gatacaagac | atcaaatagt  | accggtacaa  | gtagaaggac  | 2468220 |
| aaccggaaac  | ggaggccaat  | ctccaaaagg | aagtgtcctc  | ttctcctact  | ccggaaagaa  | 2468280 |
| aggagaatac  | ggaaccctgt  | cctgtaagaa | tgatgataga  | catccgtatg  | acaaacggaa  | 2468340 |
| tacggataca  | gcaacgaaac  | ttgacctacc | gaaacttgaa  | aagtctgata  | gagaaactgg  | 2468400 |
| agggattatg  | ctgaatgtca  | caggaatgaa | cagattttac  | tatctgcgta  | atTTTcatga  | 2468460 |

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| acaggaagat  | gaagttttca  | ttgtcatgtc  | caaggacagg  | aggaagggtcc | gtctcttcag  | 2468580 |
| ctatgacagg  | cgctcattca  | gcctctatga  | gaaacgtttc  | tgtgaaggct  | acagggttcat | 2468640 |
| gcagttatgc  | cgtcagggag  | atgaaaccat  | atacagcata  | cagtggaagg  | atgtagtgtg  | 2468700 |
| gctgttacia  | aaccctgtaa  | ttaatcaatt  | gaatatcagg  | taaataatta  | tataaaacat  | 2468760 |
| ttgtttatgt  | cactaaaaat  | gagtatcttt  | atggtataac  | aacagggtgac | atggacgatc  | 2468820 |
| gtgaatttga  | aaaaatactg  | gcttcggccg  | aacaactgag  | gctccgcgaa  | aaacaagcgg  | 2468880 |
| agccttggac  | agatcgttat  | tccgatatga  | attccatgga  | aaaatcaatg  | ctgcttgacg  | 2468940 |
| agcttttcgc  | tttgcgtaaa  | gcggataagg  | agcgtgaagc  | aaaacttctg  | gaaaagctgg  | 2469000 |
| accggatgac  | agagcagctg  | atgaatctga  | acgaaagctc  | acaaatgcaa  | atgaagcaaa  | 2469060 |
| acgaagagct  | gaaacagatg  | atagccagtc  | gggacatcct  | aataagagaaa | ctccagaagg  | 2469120 |
| aaaatgcggc  | cctgaaagag  | cagaagaaac  | aggacagaaa  | gaatctgtac  | ggatctaaaa  | 2469180 |
| gccagaagat  | ttcacgtaag  | aaaaaggagg  | aagcaccttc  | tcatgaagag  | aacaaggatg  | 2469240 |
| actttgacgg  | gacttcagga  | ccttcacccg  | tttccgcgag  | tgacgaagat  | gctctttcaa  | 2469300 |
| aagcaccgga  | aaaagaagaa  | agaccctatc  | gtaagggaat  | gtcttacaag  | cgtatgaagg  | 2469360 |
| cagacaagtc  | agtatgtcat  | gactcagact  | tcagccggct  | gccgaaagat  | gccgtaatca  | 2469420 |
| tcaagacctt  | ctacaagtat  | tcttaccagc  | agataagcta  | tatatgggag  | cacaaatatc  | 2469480 |
| aggtaatccg  | ttacaagcag  | tccgacggca  | agattcgtga  | gggatatttc  | ccgaaaaccg  | 2469540 |
| gggaaccgga  | ctacatagac  | gtagttcccg  | ggactcatgc  | atcggcggac  | tttctggctc  | 2469600 |
| acctggcatt  | caatcatttt  | gtgctgaatg  | tcccctacta  | ccgtgaaatg  | taccgtctat  | 2469660 |
| cggatcataa  | gatgtctctg  | agccggatga  | cgctgggtcaa | ctggctcgcc  | aaaggagccg  | 2469720 |
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| tcaactgtga  | cgagacctgg  | tgcaagggtga | agatgaacag  | acatttcctg  | aagaagtatg  | 2469840 |
| tctggtgcct  | ggtaaacaag  | gaacagaaaa  | tagtaatcta  | ctgttatgag  | gacggttcca  | 2469900 |
| gaggacgtaa  | ggttctcaag  | gaaatcctca  | aggacaggca  | ggtaaaggcg  | ctgcagtcgg  | 2469960 |
| acggttacia  | cgttttatatg | tacatcgaca  | aagaactggt  | agacacggaa  | catctctgct  | 2470020 |
| gcctggctca  | tgacagtgct  | aaatttgtct  | atgcatatga  | acagggcgat  | gatcccgatg  | 2470080 |
| ctaaatatct  | gatagactgt  | ttcggagaac  | tttaccggct  | ggaagatact  | tataaattaa  | 2470140 |
| gcgggctttc  | agcacaggag  | ataaccagct  | gccggcactc  | attgcggaac  | aaggaaatta  | 2470200 |
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| cgggtgagcg  | caagaactcg  | ctgttttttg  | ttggtagccg  | catggcaaatt | gtatcggcgg  | 2470440 |
| cctatcatatc | gctgctctca  | acatgccgaa  | tgaacgggct  | gtctgctctg  | gaatatctca  | 2470500 |
| agaaattctt  | ccacgaaatt  | gtcaaaggga  | gaaaggatta  | tgaaaatctc  | ctgcccataga | 2470560 |
| ctatcggaaat | taataactaac | aatattaat   | aatcaagttc  | aattttttgat | ttttttaagt  | 2470620 |
| aagcgtccaa  | ttttgacgta  | ttgcctcaaa  | gaataaaaaa  | tatgaccttc  | gctgctgtaa  | 2470680 |
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| ctacaatctc  | tttcataaat  | ggtacaagga  | tacaagacat  | caaatagtac  | cggtacaagt  | 2470860 |
| agaaggacaa  | ccggaaatgg  | atacacaatc  | ctcaaaggaa  | gtgtcctctt  | ctcctactct  | 2470920 |
| ggaaagaaaag | gagaatacgg  | aaccctgtcc  | tataaggatg  | atgatagaca  | tccgtatgac  | 2470980 |
| aaacggaata  | cggatacagc  | aacgaaactt  | gacctaccgg  | aacttgagaa  | gtctgataga  | 2471040 |
| gaaactggag  | ggattatgct  | gaatgtcaca  | ggaatgaaca  | gatttttacta | tctgcgtaat  | 2471100 |
| tttcacgata  | tgcgctgtaa  | gtatgaacgg  | gtactatcca  | tcattcatca  | gcagctgaac  | 2471160 |
| cgcgagccac  | aggaagatga  | agttttcatt  | gtcatgtcca  | aggacaggag  | gaaagtccgt  | 2471220 |
| ctcttcagct  | atgacaggcg  | ctcgttcagc  | ctctatgaga  | aacgtttctg  | tgaaggttac  | 2471280 |
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| taaaacattt | gtttatgtca  | ctgaaaatga | gtatctttat  | ggtataacaa  | caggtgacat  | 2471460 |
| ggacgatcgt | gaatttgaaa  | aaatactggc | ttcggccgaa  | caactgaggc  | ttcgcgaaaa  | 2471520 |
| acaagcggag | ccttgacag   | atcgttattc | cgatatgaat  | tccatggaaa  | aatcaatgct  | 2471580 |
| gcttgacgag | ctttttgccc  | tgcgtaaagc | ggataaggaa  | gaaagggaca  | gacttctgga  | 2471640 |
| aaagctggac | cgaatgacag  | agcagctgat | gaatctgaac  | gaaagctcac  | aagcgcaagt  | 2471700 |
| caaggttatt | gatgggctga  | aacagatgat | agccagtcgg  | gacatcctaa  | tagagaaact  | 2471760 |
| ccagaaggaa | aatgcagccc  | tgaaagagca | gaagaaacag  | gacagaaaga  | atctgtacgg  | 2471820 |
| gtctaaaagc | cagaagattt  | cacgcaagaa | aaaggaggaa  | gcaccttctc  | atgaagagaa  | 2471880 |
| caaggatgac | tttgacggga  | cttcaggacc | ttcatccgtc  | tccgcaagtg  | acgaagatgc  | 2471940 |
| tctttcacaa | gcaccggaga  | aaaaagagga | aagaccctat  | cgtaagggga  | tgtcttacag  | 2472000 |
| gcgtatgaag | gcagacaagt  | cagtatgtca | tgactcagac  | ttcagccggc  | tgccgaaaga  | 2472060 |
| tgccgtaatc | atcaagacct  | tctacaagta | ttcttaccag  | cagataagct  | atatattgga  | 2472120 |
| gcacaaatat | caggtaatcc  | gttacaagca | gtccgacggc  | aagattcgtg  | agggatattt  | 2472180 |
| cccgaagcc  | ggagaaccgg  | actacataga | cgtagttccc  | gggactcatg  | catcggcgga  | 2472240 |
| ctttctggct | cacctggcat  | tcaatcattt | tgtgctgaat  | gtcccctact  | accgtgaaat  | 2472300 |
| gtaccgtcta | tcggatcata  | agatgtctct | gagccggatg  | acgctgggtca | actggctcgc  | 2472360 |
| caaaggagcc | gcttttacaa  | gcgctctgat | agagagactg  | aaagaccgcg  | ccatgggtcaa | 2472420 |
| ggactccatt | gtcaactgtg  | acgagacctg | gtgcaagggtg | aagatgaaca  | gacatttctt  | 2472480 |
| gaagaaatat | gtctgggtgcc | tggtaaacaa | ggaacagaaa  | atagtaatct  | actgttatga  | 2472540 |
| ggacggttcc | agaggacgaa  | aggttctcaa | gggaatcctc  | aaggacaggc  | aggtaaaggc  | 2472600 |
| actgcagtcg | gacggttaca  | acgtttatat | gtacatcgat  | aaagaactgg  | tagacacgga  | 2472660 |
| acatctctgt | tgtctggctc  | atgcacgtgc | caaatttgtc  | tatgcatatg  | aacagggcga  | 2472720 |
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| tgtatcggca | gcctaccata  | cactgctgtc | aacatgccga  | atgaacggac  | tgtctgtctc  | 2473140 |
| ggaatatctc | aagaaattct  | tccacgaaat | tgtcaaaggg  | agaaaggatt  | atgaaaatct  | 2473200 |
| cctgcctatg | acaattggaa  | ttaatactaa | taaatattaa  | taatcacgtt  | caatttttga  | 2473260 |
| tttttttaat | aggaaccgc   | taaaaagcgg | ctttccctat  | actacacgtc  | aaaattggac  | 2473320 |
| gctaactttt | tttaatagga  | aaccgctgaa | aagcggcttt  | ccctatacta  | cacgtcaaaa  | 2473380 |
| ttggacgcta | acaattatit  | aaatatccga | ttttaaatca  | ttttctaaat  | catgaaagta  | 2473440 |
| ctccacattg | ggcaactaat  | aggtggactg | gatattttata | tccgtaacac  | tattacttat  | 2473500 |
| gccaacaagt | cctttgattt  | tgtgattgca | cacggtatat  | ctgataaaaa  | tcagccaatc  | 2473560 |
| ataaaagatg | gaaagaaaat  | aaaagaatat | aatattagtt  | tatatcgaga  | actaaacccc  | 2473620 |
| atcaaagaca | taaaaggatt  | atggcagggt | ctgaaaataa  | tccgaaaaga  | aaagccagat  | 2473680 |
| atcattcatt | gccatagtgc  | taaaggaggt | tttatcggca  | ggattgcagg  | attcttaact  | 2473740 |
| cataccaaaa | cattctatac  | tccacacgct | ttttcctttc  | tatcaacaca  | aagcaacta   | 2473800 |
| aaaaaatcaa | tattcttatt  | cctagaacat | ttagctaaat  | tagattcata  | tcttttagct  | 2473860 |
| tgttctagtt | cggaaaaaga  | tttgggtata | agccttgtgc  | attattcttc  | taaaaaagca  | 2473920 |
| cttgtttgga | gcaattcagt  | acctgatgca | aaaaatgtta  | ttccaccaa   | agaaatacca  | 2473980 |
| acatcgcctt | acatctgtta  | tataggaaga | ccttcttatc  | aaaaaatcc   | attttttctt  | 2474040 |
| gttaacgtta | taagagaagt  | ccacaaaaaa | catccagaca  | ttttatttta  | cattctggga  | 2474100 |
| gtaggatatt | attctcctga  | tttggaact  | atgcaacaga  | tgataaaaga  | ctatcaactg  | 2474160 |
| gataatacaa | taatcctatt  | accatggcta | aatcacgatg  | aaactatggg  | atatgtaaaa  | 2474220 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aatgcattat  | tttatctaac  | tccctccaga  | tatgaaggat  | taccttttagc | tgtaattgag  | 2474280 |
| gctatgtcac  | ttggaaaatg  | tatcgtagct  | tcagatgttc  | tagggaataa  | agattgcgta  | 2474340 |
| aaaaataatt  | ataatggata  | tcttcttccc  | ttaaaagaag  | atacatttgc  | caataaaatt  | 2474400 |
| aatcaattaa  | tcgaatctcc  | tgaaataaga  | aaaaaattcg  | agtttaattc  | tagaaaaatac | 2474460 |
| tttgaagaaa  | attttcttat  | tgacaataga  | atgtgttatt  | tggaaaaaat  | atatcaagaa  | 2474520 |
| aaaatcaata  | attaagaatc  | tttattacat  | ttcttttacga | ccttaataaa  | aagggaatca  | 2474580 |
| cattattata  | gcaggcaatg  | taggagaata  | tttgtgaagca | ttgtatatta  | attaaacggt  | 2474640 |
| gtacttttgt  | ataaattttc  | aacatcaaag  | tgtggaataa  | gaccgacgta  | agcttagtca  | 2474700 |
| tttagattgt  | atcggatggt  | cagcccccac  | acttttacat  | cagaatccgg  | atagttcatt  | 2474760 |
| gggcagttag  | accccgcat   | tgcaatgatg  | gctaaagatg  | tatagatggt  | gcgttgtaat  | 2474820 |
| tataaaaacc  | attagcttat  | gacctacgtt  | ggaattgatg  | ttagtaagtt  | aacattcgtg  | 2474880 |
| gttgcttatt  | cttctgcaaa  | aagcagtaaa  | accaaaccct  | ttaagaatac  | agctaaagggt | 2474940 |
| attcgtgagt  | ttataaaaac  | gatatcagtt  | gatgaacatc  | attgtgttat  | ggaagcaaca  | 2475000 |
| ggcaattata  | gtacattgct  | tgtatatatg  | ctttccgagt  | ttggttttac  | agtaagcctg  | 2475060 |
| gagaaccctc  | tgaagataaa  | aaatttctcc  | aaagtcatgc  | tttcagtcac  | aaagtcctgac | 2475120 |
| gagattgatg  | cacgtcttat  | agcactatac  | ggtgagaaga  | tgcaaccatc  | tccatacaga  | 2475180 |
| atgcgcagcg  | attcaatttt  | agttctcaaa  | caaaaacgta  | ctgtcctacg  | ccagctaaag  | 2475240 |
| aagcagttag  | tagcaacaag  | caacctgaaa  | ggttctatgg  | aggttcttcc  | aatttatgac  | 2475300 |
| tctaaatgca  | agaaaacaat  | agagaaaacg  | attgcttttc  | tgggaaaaca  | aatcaaatat  | 2475360 |
| atggaagaag  | aactggcttc  | attagctaata | gatgaattca  | agaaacagat  | ggatttactc  | 2475420 |
| acttccataa  | aaggtatcgg  | tgtaacacta  | gctgcggctt  | taattgtggc  | aactggtggc  | 2475480 |
| tttacatact  | ttgataatgc  | aaaacaactt  | acgcgttatc  | ttggcttatc  | accaacatat  | 2475540 |
| caacagtcag  | gaacatctgt  | caactttaaa  | ggtcacataa  | acagaaaatgg | cgatccaatt  | 2475600 |
| cttcgaagtc  | aactatatgt  | ggcagcattc  | tcatcactta  | ggtgcaatac  | agaatgtaaa  | 2475660 |
| gcatgttttg  | accgtctacg  | atctaaagggt | aaacctggta  | aagtagctgt  | tgttgctgtc  | 2475720 |
| gccaataaat  | tggtgaagaca | ggcctttgca  | gttggttacac | aagataagcc  | atatgttgat  | 2475780 |
| ggatttatat  | cagtaaaacc  | ataatcactc  | ctgcggaggg  | agcgccatgc  | ggcaagggac  | 2475840 |
| tgagcagtc   | ggcccagcga  | gttttcatta  | tacatatgca  | ttaacatact  | tataattggt  | 2475900 |
| aaatatattc  | aagtttttat  | tatagttcat  | ccaattttga  | cgtattgcct  | caaagaataa  | 2475960 |
| aaaatatgac  | cttcgctact  | gtaacaaaaa  | tattaaaagt  | atgtacagca  | gcagtgattt  | 2476020 |
| tgaaggctg   | ttcatccgct  | acaaggcgga  | agcaatgcc   | caagggtgaat | ccatccagga  | 2476080 |
| tttctgtttg  | aaaaacaagg  | taccctacaa  | tctctttcat  | aaatggtaca  | aggatacaag  | 2476140 |
| acatcaaata  | gtaccggtac  | aggtccaagg  | acaaccggaa  | atggatggcg  | aaaacggagc  | 2476200 |
| ataccacccc  | acttagaacg  | gcataatcca  | cccacaatta  | ttgctaaaat  | gggcttgaaa  | 2476260 |
| agggcataaa  | aaacggagca  | tatccgttca  | tttttgctaa  | aaaatgccc   | aagtcgctca  | 2476320 |
| aaaaacggag  | catatccggt  | cagtggtttg  | tgattacgat  | aaaatatccg  | ttttactata  | 2476380 |
| caaaaatcgg  | agtatatccg  | ttcagtgatg  | ggaatgtaat  | aatacaataa  | tcagttgttt  | 2476440 |
| acattcggaa  | aacggagcat  | atccggtcac  | tttctcatag  | aaacgacgat  | gcctgcataa  | 2476500 |
| aaaacggggc  | atgtccgttc  | actttccact  | ctttcccgt   | tcttgatgc   | agaatataat  | 2476560 |
| cttcatacaa  | tacgactatg  | gcaggaaaaa  | gtaagaatat  | gagccagatc  | aaacaacttc  | 2476620 |
| ttctattaaa  | gaagaatgga  | gtctccaacc  | gcaaggctgc  | cgatataatc  | ggcatgaaca  | 2476680 |
| aggagacagt  | gaacaactac  | atgaacaagg  | tcagcgctga  | cagcctgagc  | cttgatgaac  | 2476740 |
| ttatcagggt  | ggacgatccc  | attcttgagc  | accgtctcaa  | gggcggcaat  | cctgcatata  | 2476800 |
| gtgacaaaacg | ctttgaaaca  | ttcaaaaccc  | ttcttccata  | tcttcaggag  | gagatgaagc  | 2476860 |
| gcaagcatgt  | cacgctgaag  | cttctttggg  | aggaataccg  | taatgagcat  | cctgacaacc  | 2476920 |
| actacagcct  | gacacagttc  | cgttttcatt  | acaacagaaa  | cacagaggcc  | ggaaaggaat  | 2476980 |
| cgccatctac  | catacttgct  | gacatgcgta  | ctggcgggtga | aaagcttttc  | ctcgattttg  | 2477040 |
| ccggtgatac  | catgggatac  | gttgatatgg  | aaaccgggtga | ggtcgtccag  | tgccaggcctt | 2477100 |



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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
| tcgtagccac  | tctgcctgca | agcgactacg  | gttatatcct | cttcgtacgt  | tcacaacgca  | 2477160 |
| cggaagactt  | tgtatatgcc | ataacacagt  | gcctgaaaca | tcttggcggc  | gtaccaaaga  | 2477220 |
| tgcttgctcc  | tgacaacctt | aaagctgccc  | ttgtcaagac | agacagatat  | gagccttcgc  | 2477280 |
| ttaaccgtgt  | aatggaggat | atggccaatc  | attatggcac | ggatcatcata | ccggcacgtc  | 2477340 |
| ccgcacaccc  | aaaagataaa | agcaacgtgg  | aagggaccgt | gaggcttgct  | tatatgcgtg  | 2477400 |
| tgtttgccga  | actccgcaat | gaaaccttcc  | attcactgga | agagcttaac  | cgggcagcct  | 2477460 |
| cgctcaaaaat | gaaagcgcac | aaccagaaaac | gcatgcagaa | gcatccttac  | acgcgtgagg  | 2477520 |
| aacggttcct  | tgccgtagac | aggccaaatc  | ttatgccgct | gcctgacagg  | gattttgaga  | 2477580 |
| ttgtgtcata  | taccgatttg | aaggtgtcaa  | ccaactgctg | tatctatctc  | ggacgtgacc  | 2477640 |
| agcactatta  | tacagtgccg | tatcagtata  | tatccaaaac | tgcacatgtt  | gcatatacac  | 2477700 |
| gcacactggt  | aaaagtatat | gtggacggtg  | aacttgtagc | caactcacata | cgtgattaca  | 2477760 |
| acaggggaaa  | gtatactatt | gtaaaggagc  | atcttgcaag | caactcccgg  | gaatacagag  | 2477820 |
| gaatgagtg   | aaaatcatac | atagagcgtg  | ccgagcgtgc | atccggcata  | cttgagatg   | 2477880 |
| taatccgccg  | catattttat | tcttccacaa  | tgcttccgga | gactcattac  | aagacctgcg  | 2477940 |
| acgggcttct  | aaacctgcaa | aggagcagtg  | atccggccgt | tttccagaaa  | gcctgcgaga  | 2478000 |
| cagccctgaa  | cgtagacaga | tgcagttacc  | gctttatacg | ctcactgggtg | gaaagcaagt  | 2478060 |
| gtgccggtgt  | ggggcagcct | acatcttcct  | ttgtctctcc | gcaacactgt  | aatatccgtg  | 2478120 |
| ggaaatcaca  | gttcaaatga | cagacttcta  | acactcaaaa | ccaataacga  | tggatgaaat  | 2478180 |
| tatcaatgct  | ctaagaaacc | ttaagatgcc  | cggaatggca | cattactggg  | ctacgatgca  | 2478240 |
| ggagacgcga  | caggcagagt | cgctctcctt  | gaaggacggc | ctgcaactgc  | ttatacaggc  | 2478300 |
| cgaactggat  | aaccggaatc | aaagccggaa  | tgcccgtctg | ataaaaaaag  | cacacttccg  | 2478360 |
| ttatcacgct  | tccataagtg | aagttatata  | tgacagcaag | cgtggcgtag  | acaagcagaa  | 2478420 |
| agtgttaaat  | cttgccactt | gtgactatgt  | gaaaaacggg | gtgtccatac  | ttattacggg  | 2478480 |
| agcttccggt  | acaggtaaaa | gctggttggg  | tacagcgttt | ggatcatcagg | cctgcatgaa  | 2478540 |
| cggacataag  | gttgcctatt | ataacctgta  | caggctcttc | gaggaaataa  | gccttgcccg  | 2478600 |
| catatccagt  | accctgcatc | gtttcttcgc  | cagggttgga | cagactgatc  | tgcttatact  | 2478660 |
| ggacgacttc  | ggtatgaaag | ttcttgacgg  | acaacagctg | cttgacttta  | tggagattat  | 2478720 |
| agaagaccga  | catggacaga | aagctactat  | catcatatca | caactgccgg  | ttgctaactg  | 2478780 |
| gtacgatgtg  | atgaaaggca | acacgactgc  | ggctgatgca | atattagaca  | ggctggtgca  | 2478840 |
| cacaagtgtg  | cgcttcgagt | tagaaggcag  | cagtatgcgt | caaaaaaaac  | atccaaaata  | 2478900 |
| taacattaca  | gacgaaaatc | aataaatttg  | catcgccata | ggtttagagg  | atgaaaagtg  | 2478960 |
| aacggatatc  | accgttttgg | gtgaacggat  | atcaaccggt | ttcagcaaat  | ggatacacaa  | 2479020 |
| tcctcaaagg  | aagtgtcctc | ttctcctact  | ccgaaagaa  | aggagaatac  | ggaaccctgt  | 2479080 |
| cctgtaagga  | tgatgataga | catccgtatg  | acaaacggaa | taaggataca  | gcaacgaaac  | 2479140 |
| ttgacctacc  | ggaacttgaa | aagtctgata  | gagaaactgg | agggactatg  | ctgaatgtta  | 2479200 |
| caggaatgaa  | cagattttac | tatctgcgta  | attttcatga | tatgcgctgt  | aagtatgaac  | 2479260 |
| gggtactatc  | catcattcac | cagcagctga  | accgagagcc | acaggaagat  | gaagttttca  | 2479320 |
| ttgtcatgtc  | caaggacagg | aggaaagtcc  | gtctcttcag | ctatgacagg  | cgctcgttca  | 2479380 |
| gcctctatga  | gaaacgtttc | tgtgaagggt  | acaggttcat | gcagttatgc  | cgtcagggag  | 2479440 |
| atgaaaccat  | atacagcata | cagtggaagg  | atgtagttgt | gctgttacag  | aatcctgtaa  | 2479500 |
| ttaatcaatt  | gaatatcagg | taaataatta  | tataaaacat | ttgtttatgt  | caactgaaaat | 2479560 |
| gagtatcttt  | atggtataac | aacaggtgac  | atggacgatc | gtgaatttga  | aaaaatactg  | 2479620 |
| gcttcggccg  | aacaactgag | gctccgcgag  | aaacaagcgg | agccttggac  | agatcgttat  | 2479680 |
| tccgatatga  | attccatgga | aaaatcaatg  | ctgcttgacg | agcttttcgc  | tctgcgtaaa  | 2479740 |
| gcggataagg  | aagaaaggga | caggcttctg  | gaaaagctgg | accgaatgac  | agagcagctg  | 2479800 |
| atgaatctga  | acgaaagctc | acaacgctta  | ctgaagcaaa | atgaggaaca  | gcagaagata  | 2479860 |
| atctttgatt  | taaataaatt | ggttgagaag  | cttcagaagg | aaaatgcggc  | cctgaaagag  | 2479920 |
| cagaagaaaac | aggacagaaa | gaatctgtac  | gggtctaaaa | gccagaagat  | ttcacgcaag  | 2479980 |

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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
| aaaaaggagg  | aagcaccttc | tcatgaagag  | aacaaggatg | actttgacgg  | aactttccgga | 2480040 |
| ccttcatccg  | tttccgcaag | tgacgaaaat  | gctctttcac | aagcaccgga  | gaaaaaagag  | 2480100 |
| gaaagaccct  | atcgtaaagg | gatgtcttac  | aggcgtatga | aggccgacaa  | gtcagtatgt  | 2480160 |
| cacgattcag  | acttcagccg | gctgccgaaa  | gatgccgtaa | tcatcaagac  | cttctacaag  | 2480220 |
| tattcttacc  | agcagataag | ctatatattg  | gagcacaat  | atcaggtaat  | ccgttacaag  | 2480280 |
| cagtccgacg  | gcaagattcg | tgagggatat  | ttcccgaag  | ccggagaacc  | ggactacata  | 2480340 |
| gacgtagttc  | ccgggactca | tgcatcggcg  | gactttctgg | ctcacctggc  | attcaatcat  | 2480400 |
| tttgtgctga  | atgtccccta | ctaccgtgaa  | atgtaccgtc | tatcggatca  | taagatgtct  | 2480460 |
| ctgagccgga  | tgacgctggt | caactggctc  | gccaaaggag | ccgctttttac | aagcgctctg  | 2480520 |
| atagagagac  | tgaaagaccg | cgccatgggtc | aaggactcca | ttgtcaactg  | tgacgagacc  | 2480580 |
| tggtgcaagg  | tgaagatgaa | cagacatttc  | ttgaagaaat | atgtctggtg  | cctggtaaag  | 2480640 |
| aaggaacaga  | aaatagtaat | ctactgttat  | gaggacggtt | ccagaggacg  | taaggttctc  | 2480700 |
| aagggaatcc  | tcaaggaccg | gcaggtaaag  | gcgctgcagt | cggacggtta  | caacgtttat  | 2480760 |
| atgtacatcg  | ataaagaact | ggtagacacg  | gaacatctct | gttgtctggc  | tcatgcacgt  | 2480820 |
| gccaaatttg  | tctatgcata | tgaacagggc  | gatgatcccg | atgcaaaata  | tctaatagac  | 2480880 |
| tgtttcgag   | agctttaccg | gctggaagat  | acttataaat | taagcgggct  | ttcagcacag  | 2480940 |
| gagataaacc  | gctgccgaca | ctcattgctg  | accaaggaaa | ttatagggcg  | cataagaagc  | 2481000 |
| aagctggatg  | tgctgctgtc | tccgactcat  | cctccccgtg | gagaactcat  | ggacaaggct  | 2481060 |
| gtgaactatc  | ttcaggtttt | ctggaaacag  | ctctttgcct | atctgaacga  | tgggcggtat  | 2481120 |
| gacatagaca  | attcaatagc | agaacgtttc  | atccgtccgc | tggcggggga  | gcgcaagaac  | 2481180 |
| tcgctgttct  | ttgttggtag | ccgcatggca  | aatgtatcgg | cggcctatca  | tacgctgctc  | 2481240 |
| tcaacatgcc  | gaatgaacgg | gctgtctgct  | ctggaatatc | tcaagaaatt  | cttccacgaa  | 2481300 |
| attgtcaaaag | ggagaaagga | ttatgaaaat  | ctgctgccca | tgactatcgg  | aattaatact  | 2481360 |
| aacaaatatt  | aataatcaag | ttcaattttt  | gattttttta | ataggaaacc  | gctgaaaagc  | 2481420 |
| ggctttccct  | atactacacg | tcaaaatttg  | acgctaacaa | tcttccctcg  | tattaggatt  | 2481480 |
| atttacttaa  | tatttgattt | atactgattt  | taacggaata | ctaataactt  | atattttata  | 2481540 |
| cgaatagtta  | tgaaaatctt | acaaacaata  | aattatccag | cttgataaaa  | agtttcagag  | 2481600 |
| ggtaagcaac  | cctctcatca | tctttttgga  | atagaaggac | atatttttaa  | atatgaaaaa  | 2481660 |
| agaaaaaatc  | ataaatatag | aggatatcta  | aaagatggag | gatatgttga  | ttttttatta  | 2481720 |
| gtttcggata  | aagcaatagt | tcgttaaaaa  | ttagcccagc | ctaagcggct  | ctggcagtaa  | 2481780 |
| ataaaatgag  | ttctttgaaa | agtttgtaa   | ttaattgcgt | gtttggttca  | atcccagaca  | 2481840 |
| cgcaaataaa  | tcgttcaagc | atgtaagcat  | tgtgtatgac | tgacttgcat  | gatgatatgg  | 2481900 |
| aatattttat  | tcccatcttc | ttacaggcag  | ccttggcgag | gtttatcgct  | gcaagtgatg  | 2481960 |
| cattaaagtg  | gaatgccagt | ttcctgaagt  | ctgtagactg | acagtttgct  | attccggcat  | 2482020 |
| gttgcttggc  | atcccgaag  | cagaattcga  | gttggaacg  | tgttctgtaa  | aagtccagga  | 2482080 |
| catcctgtgc  | gttctgtatt | tcgtttgtag  | agaaatacag | ctgccatttg  | tccgttcttc  | 2482140 |
| catccatggg  | gtaccataca | gccaggctca  | caaagcgttt | gagtgccttg  | gagtatgctt  | 2482200 |
| tcagtccgta  | aagtttacc  | ttgttcactt  | tgtactcggt | acatcttggt  | atgtccagat  | 2482260 |
| tttcaaagtc  | aattttctcg | tcatgtaatt  | ttggacgtcc | gcgttttcct  | gtcctatttt  | 2482320 |
| ctaagggtgg  | ataaaacaat | acggcatcat  | tcctgaaacg | gcttattacg  | tggaaccggt  | 2482380 |
| tatcgtacaa  | tggtttgatg | aaagttgcct  | ttgaaaagaa | cgcatacacac | acgactgtgc  | 2482440 |
| cagaaatacg  | tttcagctgt | tcctgtatgc  | tgataaggta | agagctgtac  | cagtcaacaa  | 2482500 |
| gattcttctc  | acagcttttc | agcgttgctg  | tgtaggtgtg | ctgtacagag  | cccaaagtca  | 2482560 |
| tacattcatg  | gttgtcaacg | tctataactc  | caataccggt | tatttccagt  | ccacgtttgt  | 2482620 |
| attcaccggc  | acaaccggac | cagaaatagc  | caatccacgg | cgttttgctg  | cctgattttg  | 2482680 |
| gaatgaaaga  | cggatcaacg | gctatcgctt  | tgcgaccacc | tttaagggtg  | tccctgatga  | 2482740 |
| tggtctcatt  | gaaggaaaac | cagtcaaagc  | cgctgttctc | aaaattgttg  | cggtatgtct  | 2482800 |
| gttccgagaa  | acatccatac | cgtcccattt  | gtaggaaatt | gatgcggtca  | ggtatagcca  | 2482860 |

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|             |             |             |             |             |             |            |         |
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| attcgagagc  | gtttctgcac  | tcggattggg  | attgcataag  | gagtgattct  | ttagtcataa  |            | 2482980 |
| ttaaaagtg   | ggaagtactt  | ctaatttact  | aaaaatcagt  | gaattatgaa  | atactttttc  |            | 2483040 |
| tggtgatttt  | cagctgttta  | gcatactctt  | ttcatccctt  | ttcttactcc  | ttgacgattt  |            | 2483100 |
| attccttgaca | gtatttcaat  | gatctcttga  | atataat     | ttt         | gaaccggatt  | atgccgattc | 2483160 |
| tatgtttaat  | tttaatttat  | cggtaaaaaat | ttaccgaagt  | attggataaa  | ggaaaactaa  |            | 2483220 |
| aaaatat     | ttt         | attctgtata  | acatttatatt | ttaagctttt  | taaatatgat  | gtcgtatttg | 2483280 |
| acagtctttg  | tggtgtaact  | aaatacttag  | gtattctctt  | tagattttat  | cgtccatgta  |            | 2483340 |
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| atgcttgcat  | tttcttttct  | gaaaaataca  | aaaatatggc  | agatgaaata  | aatcctcaaa  |            | 2483460 |
| acaagaacaa  | gcatttttgct | ctaaaatggc  | aaccagacaa  | aaaatgggat  | aaagagaaat  |            | 2483520 |
| caacagacat  | aaaagaaaat  | gaaaaaaaat  | acatgtttat  | agataatggg  | aaaactttta  |            | 2483580 |
| gagatcatga  | aataatgact  | gaagctatat  | ataaaattgg  | agcaaaagct  | gtacttatta  |            | 2483640 |
| atcaacgaga  | agcaaaacct  | caaaactata  | tagaaggaaa  | aaatcttgat  | tttatcatat  |            | 2483700 |
| cagaaaagcc  | tgatgacgaa  | ttattactta  | aatatcttct  | taaaagtaaa  | tgcataattaa |            | 2483760 |
| ttcctgcaaa  | aaaagatcca  | aataaaaagc  | tattaggacc  | tattggaata  | acttctttta  |            | 2483820 |
| tggtatgcaat | agctctaaat  | atgccagtta  | tatgctctaa  | taatttatgc  | ttttctgacg  |            | 2483880 |
| atgtcagtaa  | atttacatta  | ggtataactt  | atccagccgg  | cgataaaaaa  | gctctttacc  |            | 2483940 |
| aagcattaga  | aaaaatgtat  | agagatactc  | agttttataa  | cacttggtgc  | aataacatga  |            | 2484000 |
| aaaattatgc  | taaagatcaa  | gatatactt   | tttatgaaaa  | tgaaatttgg  | aatataatat  |            | 2484060 |
| atagttgcac  | aaaaagtaaa  | aaatatcaat  | aaaaaatata  | ctgttttaaag | acacaaaaac  |            | 2484120 |
| acgatattgc  | taactgctgt  | ctttaaacga  | tgtatcacat  | aaaaccttta  | aattatatta  |            | 2484180 |
| ataaaattatt | acttataatc  | attttttaga  | cttcagcatg  | caaaatcata  | tagtaatcat  |            | 2484240 |
| ggcaggcggt  | ataggaagcc  | gtttctggcc  | catgagcacc  | cccgaatacc  | ctaaacagtt  |            | 2484300 |
| catcgacgtg  | atgggcgtag  | gaaaatcggt  | gattcagctc  | acggtggagc  | gtttcaagga  |            | 2484360 |
| tatctgccc   | aaagaaaatt  | tctggatagt  | gacctcgga   | aagtatgtag  | acatcgtaaa  |            | 2484420 |
| ggagcagctt  | ccgcaggtgc  | cggagcagca  | tatcctggcg  | gaaccggagg  | cgaggaatac  |            | 2484480 |
| ggcaccgtgc  | atcgcgatg   | cgtgctggaa  | gatccgaaag  | gagttccgc   | aggcgaacat  |            | 2484540 |
| cgtagtgact  | ccctcggatg  | cgtggtgaat  | tgatacgacg  | gaatttgccc  | gctgcattac  |            | 2484600 |
| cgtggcactg  | gagaaaacgg  | cggcttcaca  | tgctattgtg  | accttgggaa  | tgaagcctac  |            | 2484660 |
| ccgaccggaa  | acaggctacg  | ggtacatcgc  | ggctcaagg   | gaagccgacg  | aaaaagggtat |            | 2484720 |
| ctacaaagt   | gaagcattca  | aggagaaacc  | ggacgtagaa  | acggcgaaga  | tgtatcttgc  |            | 2484780 |
| agcgggaaat  | tatttctgga  | acgcaggat   | atttgtgtgg  | aatgtgga    | cgattaccaa  |            | 2484840 |
| tgctctacgc  | aggtacgctc  | cgcagattgc  | gggagtgtg   | gacgagctgg  | agcctacctt  |            | 2484900 |
| gtttaccgac  | aaagaagcgg  | aagagctgaa  | gcggctcttc  | cctacttgcg  | agaagatttc  |            | 2484960 |
| catcgactat  | gcggtgatgg  | aaaaggcgg   | ggatatcttt  | gtgctgccgg  | ctgaattcgg  |            | 2485020 |
| atggagcgac  | ttgggtagct  | ggggttcgct  | gcgcacctg   | ctgccgcaag  | atgaagcggg  |            | 2485080 |
| caatgccaa   | gttggcagcc  | gggtggatat  | gtacaactgc  | cggaaactgtg | tggtgcatgc  |            | 2485140 |
| ggcggagcac  | agacaggtgg  | tgctggaagg  | tctggagggc  | tacatcgtag  | cggagaaaga  |            | 2485200 |
| cggacgtctg  | ctgggtgtgc  | gactgagtga  | ggagcagcgt  | atcaaggatt  | ttgcagcggg  |            | 2485260 |
| gaagtaaccg  | ggaatcacca  | cgattcctgc  | tactgaaaga  | ttttgattct  | ccattgtttt  |            | 2485320 |
| tttaatcctt  | ttatctgtaa  | gcgtccaatt  | ttgacgtatt  | gcctcaaaga  | ataaaaaata  |            | 2485380 |
| tgaccttcgc  | tgctgtaaca  | aaaatat     | aaagtatgtac | agcagcagtg  | at          | ttttgaaag  | 2485440 |
| gctgttcac   | cgctacaagg  | cggagcaat   | gccacaagg   | gaatccatcc  | aggatttctg  |            | 2485500 |
| tttga       | aaaggtacc   | acaatctctt  | tcataaatgg  | tacaaggata  | caagacatca  |            | 2485560 |
| aatagtag    | gtacaagtag  | aaggacaacc  | ggaaatggat  | acacaatcct  | caaaggaagt  |            | 2485620 |
| gtcctcttct  | cctactctgg  | aaagaaagga  | gaatacggaa  | ccctgtccta  | taaggatgat  |            | 2485680 |
| gatagacatc  | cgtatgacaa  | acggaatac   | gatacagcaa  | cgaacttga   | cctaccggaa  |            | 2485740 |

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| ttttactatc | tgcgtaattt | tcacgatatg | cgctgtaagt | atgaacgggt | actatccatc  | 2485860 |
| attcatcagc | agctgaaccg | cgagccacag | gaagatgaag | ttttcattgt | catgtccaag  | 2485920 |
| gacaggagga | aagtccgtct | cttcagctat | gacaggcgct | cgttcagcct | ctatgagaaa  | 2485980 |
| cgtttctgtg | aaggttacag | gttcagtcag | ttatgccgtc | aggagatga  | aaccatatac  | 2486040 |
| agcatacagt | ggaaggatgt | agttgtgctg | ttacagaatc | ctgtaattaa | tcaattgaat  | 2486100 |
| atcaggtaaa | taattatata | aaacatttgt | ttatgtcact | gaaaatgagt | atctttatgg  | 2486160 |
| tataacaaca | ggtgacatgg | acgatcgtga | atttgaaaaa | atactggctt | cggccgaaca  | 2486220 |
| actgaggctt | cgcgaaaaac | aagcggagcc | ttggacagat | cgttattccg | atatgaattc  | 2486280 |
| catggaaaaa | tcaatgctgc | ttgacgagct | ttttgccctg | cgtaaagcgg | ataaggaaga  | 2486340 |
| aagggacaga | cttctggaag | agctggaccg | aatgacagag | cagctgatga | atctgaacga  | 2486400 |
| aagctcacia | gcgcaagtca | aggttattga | tgggctgaaa | cagatgatag | ccagtcggga  | 2486460 |
| catcctaata | gagaaactcc | agaaggaaaa | tgcagccctg | aaagagcaga | agaaacagga  | 2486520 |
| cagaaagaat | ctgtacgggt | ctaaaagcca | gaagatttca | cgcaagaaaa | aggaggaagc  | 2486580 |
| accttctcat | gaagagaaca | aggatgactt | tgacgggact | tcaggacctt | catccgtctc  | 2486640 |
| cgcaagtgac | gaagatgctc | tttcacaagc | accggagaaa | aaagaggaaa | gaccctatcg  | 2486700 |
| taaggggatg | tcttacaggc | gtatgaaggc | agacaagtca | gtatgtcatg | actcagactt  | 2486760 |
| cagccggctg | ccgaaagatg | ccgtaatcat | caagaccttc | tacaagtatt | cttaccagca  | 2486820 |
| gataagctat | atattggagc | acaaatatca | ggtaatccgt | tacaagcagt | ccgacggcaa  | 2486880 |
| gattcgtgag | ggatatttcc | cgaaagccgg | agaaccggac | tacatagacg | tagttcccgg  | 2486940 |
| gactcatgca | tcggcggact | ttctggctca | cctggcattc | aatcattttg | tgctgaatgt  | 2487000 |
| cccctactac | cgtgaaatgt | accgtctatc | ggatcataag | atgtctctga | gccggatgac  | 2487060 |
| gctggtcaac | tggctcgcca | aaggagccgc | ttttacaagc | gctctgatag | agagactgaa  | 2487120 |
| agaccgcgcc | atggtcaagg | actccattgt | caactgtgac | gagacctggg | gcaagggtgaa | 2487180 |
| gatgaacaga | catttcttga | agaaatatgt | ctggtgcctg | gtaaacaagg | aacagaaaaat | 2487240 |
| agtaatctac | tgttatgagg | acggttccag | aggacgaaag | gttctcaagg | gaatcctcaa  | 2487300 |
| ggacaggcag | gtaaaggcac | tgcagtcgga | cggttacaac | gtttatatgt | acatcgataa  | 2487360 |
| agaactggta | gacacggaac | atctctgttg | tctggctcat | gcacgtgcca | aattttgtcta | 2487420 |
| tgcatatgaa | cagggcgatg | atcccgatgc | taaatatctg | atagactgtt | tcggagagct  | 2487480 |
| ttaccggctg | gaagatactt | ataaattaag | cgggctttca | gcacaggaga | taaccagctg  | 2487540 |
| ccgacactca | ttgcgaacca | aggaaattat | agggcgcata | agaagcaagc | tggatgtgct  | 2487600 |
| gctgtctccg | actcatcctc | cccgtggaga | actcatggac | aaggctgtga | attatcttca  | 2487660 |
| ggttttctgg | aaacagctct | ttgcctatct | gaacgatggg | cggatgaca  | tagacaattc  | 2487720 |
| aatagcagaa | cgtttcatcc | gtccactggc | gggtgaacgc | aagaactcgc | tgttctttgt  | 2487780 |
| tggcagccgc | atggcaaagt | tatcggcagc | ctaccataca | ctgctgtcaa | catgccgaat  | 2487840 |
| gaacggactg | tctgctctgg | aatatctcaa | gaaattcttc | cacgaaattg | tcaaagggag  | 2487900 |
| aaaggattat | gaaaatctcc | tgcctatgac | aattggaatt | aatactaata | aatattaata  | 2487960 |
| atcacgttca | atTTTTgatt | TTTTtaatag | gaaaccgcta | aaaagcggct | ttccctatac  | 2488020 |
| tacacgtcaa | aattggacgc | taacctttta | tcttattcat | tcaatagttc | gttaaaaaatt | 2488080 |
| agcccagcct | aagcggctct | ggcagtaaat | aaaatgagtt | ctttgaaaag | tttgtcaatt  | 2488140 |
| aattgcgtgt | ttggttcaat | cccagacacg | caaataaatc | gttcaagcat | gtaagcattg  | 2488200 |
| tgtatgactg | acttgcatga | tgatatggaa | tattttattc | ccatcttctt | acaggcagcc  | 2488260 |
| ttggcgaggt | ttatcgctgc | aagtgatgca | ttaaagtgga | atgccagttt | cctgaagtct  | 2488320 |
| gtagactgac | agtttgctat | tccggcatgt | tgcttggcat | cccgaagca  | gaattcgagt  | 2488380 |
| tggaaacgtg | ttctgtaaaa | gtccaggaca | tcctgtgcgt | tctgtatttc | gtttgtagag  | 2488440 |
| aaatacagct | gccatttgtc | cgttcttcca | tccatggggt | accatacagc | caggctcaca  | 2488500 |
| aagcgtttga | gtgctttgga | gtatgctttc | agtccgtaaa | gtttaccctt | gttcactttg  | 2488560 |
| tactcggtag | atcttgtgat | gtccagattt | tcaaagtcaa | ttttctcgtc | atgtaatttt  | 2488620 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ggacgtccgc  | gttttctgt   | cctattttct  | aaggtgggat  | aaaacaatac  | ggcatcattc  | 2488680 |
| ctgaaacggc  | ttattacgtg  | gaaaccgtta  | tcgtacaatg  | gtttgatgaa  | agttgccttt  | 2488740 |
| gaaaaaagc   | catcacacac  | gactgtgcca  | gaaatacgtt  | tcagctgttc  | ctgtatgctg  | 2488800 |
| ataaggtaag  | agctgtacca  | gtcaacaaga  | ttcttctcac  | agctttccag  | cgttgcgttg  | 2488860 |
| tcagggtgtc  | gtacagagcc  | caaagtcata  | cattcatggt  | tgtcaacgtc  | tataactcca  | 2488920 |
| ataccggtta  | tttccagtcc  | acgtttgtat  | tcaccggcac  | aaccggacca  | gaaatagcca  | 2488980 |
| atccacggcg  | ttttgctgcc  | tgattttgga  | atgaaagacg  | gatcaacggc  | tatcgcttg   | 2489040 |
| cgaccacctt  | taaggtgttc  | cctgatgatg  | gcttcattga  | aggaaaacca  | gtcaaagccg  | 2489100 |
| tcgttctcaa  | aattgttgcg  | gtatgtctgt  | tccgagaaac  | atccataccg  | tcccatttgt  | 2489160 |
| aggaaaattg  | tgcggtcagg  | tatagccatg  | aataatttca  | ttgcatccat  | gaatactttc  | 2489220 |
| tgaaaagatt  | tgcttatatt  | tacagctgat  | tcgagagcgt  | ttctgcactc  | ggattggtat  | 2489280 |
| tgcataagga  | gtgattcttt  | agtcataaatt | aaaagtgggtg | aagtacttct  | aattttactaa | 2489340 |
| aaatcagtga  | attatgaaat  | actttttctg  | ttgattttca  | gctgttttagc | atatcttttt  | 2489400 |
| catccctttt  | cttactcctt  | gacgatttat  | tcttgacagt  | atttcaatga  | tctcttgaat  | 2489460 |
| ataattttga  | accggattat  | gccgattcta  | tgtttaattt  | taatttatcg  | gtaaaaattt  | 2489520 |
| accgaagtat  | tgttatttta  | ttcctacatt  | tgcgatacac  | atttattgag  | aaactataaa  | 2489580 |
| aactataaaa  | acatggccaa  | aataacaaaa  | gaagccgctt  | tgctctatca  | ctcacagggc  | 2489640 |
| aagcccggca  | aaatagagggt | agttcctacc  | aaaccctatc  | aaacgcagag  | agattttatcg | 2489700 |
| ctggcatatt  | ccccgggagt  | tgccgaacct  | tgtctcgaaa  | tccagaaaaa  | tcctgacaca  | 2489760 |
| gcttacgatt  | atacagccaa  | ggggaacctg  | gttgccgtta  | tatcgaacgg  | tacggctgta  | 2489820 |
| ctgggcttag  | gcgacatagg  | tgccatgagt  | ggaaagcctg  | taatggaagg  | taaaggactg  | 2489880 |
| ctctttaaga  | tttatgcagg  | tatcgatgta  | ttcgatattg  | aagttaacga  | gaaagatccg  | 2489940 |
| gataaaattta | tcgaagcggg  | gaaagccatt  | gctccgactt  | tcggagggtat | caacctggaa  | 2490000 |
| gatataaaagg | ctcctgaatg  | cttcaaaaata | gaacagcgcc  | tgaaagagga  | gctcgacatt  | 2490060 |
| ccggctcatgc | acgacgacca  | gcatggtaca  | gccatcatct  | cgagtgccgg  | actgctcaac  | 2490120 |
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| gcctcggctg  | tatcgtgtac  | caagctatac  | gtttcactgg  | gtgcccgctc  | ggaaaacatc  | 2490240 |
| gtcatgctgg  | acagcaaagg  | ggtaatttcc  | aaacagcgta  | cagacctgaa  | cgaacagaag  | 2490300 |
| aaattcttcg  | cgaccgaccg  | tacggatgtg  | catacactgg  | cagaagccat  | caagggagct  | 2490360 |
| gatgtattcc  | ttggcttgct  | gagaggcaac  | gtactgactc  | aggacatggg  | acgaagtatg  | 2490420 |
| gccgatcatc  | cgattgtatt  | cgcactggcc  | aatcctactc  | cggaaatttc  | gtatgaagat  | 2490480 |
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| attaataacg  | ttatcggatt  | cccgtatatc  | ttccgcgggtg | caactggatac | ccgtgccaca  | 2490600 |
| gctatcaacg  | aagaaatgaa  | actggctgcc  | gtacgcgcca  | ttgccggact  | tgccaagaaa  | 2490660 |
| ccagttccgg  | atgtagttaa  | tgaggcatac  | catgtaaaca  | acctgacttt  | cgggtccggaa | 2490720 |
| tatttcatc   | cgaaccgggt  | cgatccccga  | ctgattacag  | aagtttccat  | ggcggtagcg  | 2490780 |
| aaggctgcaa  | tggaatcggg  | tgtagcacgc  | aagcagatta  | ccgactggga  | cgcatacaag  | 2490840 |
| aatcacctgc  | gcgaactgat  | gggacaggaa  | aacaagctga  | cccgccagtt  | gtacgaaaca  | 2490900 |
| gcccgcggct  | gcccgcagcg  | cgttgtcttt  | gccgaaggta  | ctcaccctaa  | tatgctgaaa  | 2490960 |
| gcggctgtag  | aagcgaaggc  | agaaggatc   | tgtaaccgga  | ttctgctggg  | caacgaagaa  | 2491020 |
| agaatagcca  | aactggccaa  | agaacttgac  | ctgaacctgg  | aaggcattga  | aatcgtcaac  | 2491080 |
| ctccgtcacg  | accgtgaggc  | tggacgccgc  | gaacgctatg  | cacgcattct  | gtgtgaaaag  | 2491140 |
| cgtgcccgtg  | aggagcgaa   | cttcgcagag  | gcaaacgaca  | agatgttcga  | acgcaactac  | 2491200 |
| ttcggtatga  | tgatggtaga  | aaccggtgaa  | gctgatgcat  | tcgtaaccgg  | tctgtacacc  | 2491260 |
| aaatactcga  | ataccatcaa  | ggtggccaag  | gaagtgatcg  | gcatacagcc  | gggatacaac  | 2491320 |
| cacttcggta  | ccatgcacat  | cctcaactcg  | aagaaaggaa  | catatttcat  | tgccgatacc  | 2491380 |
| ctgatcaacc  | gtcatccgga  | taccgatacg  | ctgattgaca  | tcgccaact   | gtctgtcaag  | 2491440 |
| gcagtacgtt  | tcttcaatca  | ggagccagtg  | atagccatgc  | tttctgtactc | caacttcggt  | 2491500 |

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| tatccggaac  | tggccatcga | cggagaaatg  | caggttaaat  | ttgccttgaa  | caatgcactg  | 2491620 |
| cgcgacgaaa  | aatatccgtt | cacacgtctg  | aaaggcaaag  | aagtcaatac  | gctgggtattc | 2491680 |
| ccgaacctga  | gttctgccaa | tgccacttat  | cagctcattc  | agagcatgag  | tgaaacagaa  | 2491740 |
| gtcatcggcc  | cgatccagat | gggactgaac  | aaaccgattc  | actttacaga  | catcgaaagc  | 2491800 |
| tctgtacgtg  | acatcgtaaa | tatcacagcc  | attgcctgca  | tcgatgccat  | tgtagacaag  | 2491860 |
| aaaaagaaac  | aatgctaatt | tctgaataaa  | cgaaaagctg  | gaaataaaga  | gtgaagaaac  | 2491920 |
| atctctggca  | aagagatact | ttattcttta  | ttttcagctt  | ttttatttga  | taaacccttac | 2491980 |
| ctgtttaaaa  | gccatgagaa | aaccacttac  | caaaacccaa  | tgtgtcattc  | ttaccctggt  | 2492040 |
| ttgggcagca  | ctttgctttg | taattctgac  | ctccacccca  | cgcattgacg  | gccccctcgt  | 2492100 |
| cgtaatgatt  | cttatttcag | gagctcttgt  | atattatcct  | gtaatcaaat  | cattaaggaa  | 2492160 |
| tgacaaacaa  | taactattta | cacatattta  | aattacaaat  | tcaatcattt  | ttaaggcttt  | 2492220 |
| ttcttggttt  | tatttatcaa | ggtgttgctg  | aaataaaaaa  | ttatctatat  | ttttgtcaca  | 2492280 |
| tacaaagaat  | tcaaacaatc | caataattaa  | tatagataat  | ttatgaatgc  | agctaaagta  | 2492340 |
| ctggaagatc  | tgaaaagaag | atttccaaat  | gaacctgaat  | atcatcaggc  | agtagaagaa  | 2492400 |
| gtgctcggca  | ctattgaaga | agaatacaac  | aaacacccgg  | aattcgacaa  | agtaaactctg | 2492460 |
| attgaacggt  | tgtgtattcc | agatagagtt  | tatcagttcc  | gtgtaacctg  | gatggacgat  | 2492520 |
| aaaggcaata  | tccagaccaa | tatgggttac  | cgcgttcagc  | acaacaacgc  | tatcggccct  | 2492580 |
| tataaagggtg | gtattcggtt | tcacagttca  | gtaaacttgg  | gaatcttgaa  | gttccttgct  | 2492640 |
| ttcgagcaga  | cattcaaaaa | ctcactgacc  | actcttccaa  | tgggtggcgg  | taaagggtgt  | 2492700 |
| tcagacttct  | ctccgcgtgg | caaatcgaat  | gcggaagtca  | tgcgtttctg  | tcaggcattt  | 2492760 |
| atgctggaac  | tgtggcgtca | catcggctct  | gaaacagacg  | ttcctgccgg  | agatatcggt  | 2492820 |
| gtaggaggtc  | gtgaagtagg | ctatatgttc  | ggtatgtaca  | agaagctggc  | tcacgaattt  | 2492880 |
| accggtgtac  | tgaccggaaa | aggacgtgaa  | ttcgggtggt  | cgctgattcg  | tccggaagca  | 2492940 |
| acagggttacg | gaaacatcta | cttcctgctg  | gaaatgctga  | aaacacgtaa  | catcgaactg  | 2493000 |
| aaaggcaaga  | cttgtctggt | atccggttca  | ggcaacgtag  | ctcaatatac  | cgtagagaaa  | 2493060 |
| ctgattcaat  | tgggagctaa | ggttgtaacc  | atgtccgatt  | ctgacggtta  | catctacgat  | 2493120 |
| ccggacggta  | tcgaccgcga | aaagctggat  | tacatcatgg  | aactgaagaa  | cttgtaccgt  | 2493180 |
| ggacgtatcc  | gcgaatacgc | agaaaaatac  | ggctgcaaat  | atgtagcagg  | cgcacgtccg  | 2493240 |
| tggaaatgaaa | aggctgatat | cgcccttcct  | tctgcaactc  | agaatgaaat  | caacggcgac  | 2493300 |
| gatgccagag  | cgctgattgc | caacggtgtc  | atcgcagttt  | ctgaagggtg  | caacatgcca  | 2493360 |
| tctactcctg  | aagcaatccg | cgtattccag  | gaagctaaga  | ttctgtacgc  | tccgggtaaa  | 2493420 |
| gctgccaacg  | cagggtggtg | atctgtatcg  | ggcctggaaa  | tgactcagaa  | ctctatcaag  | 2493480 |
| ttgagctgga  | gccaggaaga | agtggacgaa  | aagttgaaga  | gcacatgaa   | gaacattcac  | 2493540 |
| gaagcttggtg | tacagtacgg | tacagaaccg  | gacggctata  | ttactatgt   | gaaggggtgcg | 2493600 |
| aacgtggcag  | gtttcatgaa | ggtagccaag  | gccatgatgg  | ctcagggtat  | tgtctaaccg  | 2493660 |
| aaaaaaaatta | agggcaggca | tcaattacaa  | tagtcgatgc  | ctgcccttca  | cattctccga  | 2493720 |
| aaaataaaat  | tcttatattt | tattcagcaa  | tcaatttaaa  | gtcgtctaca  | atcaattttgc | 2493780 |
| tacccggagc  | tcccagaac  | ttatcaccat  | ccttacttgc  | agaacagatt  | attgccatac  | 2493840 |
| gatatttttt  | atcagcgcta | tattctttct  | tccattcaag  | aggcaactca  | aattctttcc  | 2493900 |
| attcatcctg  | cttgccacct | gtcaactgag  | caatagcggc  | aatacgacta  | gatgtataga  | 2493960 |
| tattttttctc | tgaatcagga | tctccagtca  | gacaatcaga  | ccatccttct  | gtatcaaatt  | 2494020 |
| catcgggtttc | atatacaaca | ataactaatca | tgaattcatc  | ggtctttgtt  | tcatccaata  | 2494080 |
| cagcttcatg  | gcaatgctga | gcatacgggt  | gttcgtttac  | tacataaaaat | tctgcacccg  | 2494140 |
| gagtatactt  | ataccaacct | ttcaaagaaa  | cagcctttgc  | tgaatacggg  | ataccaaact  | 2494200 |
| ttgtactatt  | tagtgtacta | gacatatccg  | taataaaaaga | acccaagaac  | aaagaacctg  | 2494260 |
| ttgttacctt  | aggaactttt | gcaataatca  | tatcttttcc  | tttcgtatcg  | atagaagtaa  | 2494320 |
| ttgaaacagc  | attttcacca | gaatgtgcat  | cattttagtc  | ctcaacaaca  | taactatcag  | 2494380 |

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| tataaaaaat  | catatcgggt  | gtcagacctt  | ctgtatcttc  | tacacctgct  | acccagtttt  | 2494500 |
| caaaatcata  | agaagtaaca  | ttaccataaa  | cagaagctgt  | atatgtaacc  | tttgtacat   | 2494560 |
| tttcagcagt  | tacggtataa  | gttacggttt  | taccgtttga  | aaaatcctga  | acagctccgc  | 2494620 |
| tcgctggagt  | tacagttgct  | ttttcagaaa  | cctcaatagt  | cggcatcagt  | tttgacaaat  | 2494680 |
| catcgctagt  | agcatcagca  | cttacagcaa  | acttaatggt  | ctttgccgtt  | tcatcaacta  | 2494740 |
| ccggctgttc  | caatacgact  | gcattggctg  | cagacacttc  | ctgatcgaaa  | acaaaagaaa  | 2494800 |
| gaatcttagc  | ttcactgctt  | tcagaaccag  | tcaacttagt  | acctgtataa  | acaaccttta  | 2494860 |
| cagtttggtt  | tacgctatcc  | agagaagcag  | ctatatccat  | attgatagtc  | agtttatctc  | 2494920 |
| cttcaaaaagt | accttcagca  | tctacgtcag  | ctgttagtat  | agcagcatta  | acttttggtg  | 2494980 |
| ttccagtgaa  | agtatatatta | tcaccacttc  | cacttaactg  | acattcggtc  | aaattgatata | 2495040 |
| caccaattga  | tatacccatg  | aaagaaaaat  | cagatattga  | cagacttaca  | gtagactcac  | 2495100 |
| cagccttggt  | tactgatact  | aactgatttt  | caacagtggg  | caaatttgct  | gcatccacca  | 2495160 |
| tcacatccag  | attaccctta  | tagttacctg  | ttacatcagc  | tgctgcaggt  | gtaattacac  | 2495220 |
| ccgattcatc  | atcgctgcta  | caagcagtaa  | atgtacccat  | tgtacataat  | gcagcgaata  | 2495280 |
| agcataaaaa  | caaattcttt  | ttcatctatt  | aattaagtta  | agttatTTTT  | agcggttgca  | 2495340 |
| aagtaactac  | cttttagtgt  | attctacaag  | gtctaactct  | attatTTTTg  | ttctTTTTtt  | 2495400 |
| taatatttga  | ttcaccctac  | atacctaaat  | aattaattta  | caaaacttaa  | caagtatttt  | 2495460 |
| cgcgaatagc  | ataatcgtct  | atatacctaaa | aaccgttacc  | tttgcaaaaa  | atcaatacat  | 2495520 |
| atggaaaaag  | aactacccaa  | gatagatttg  | ccggagggaat | ggattgtagg  | aaccggaatc  | 2495580 |
| agcaaggaac  | tactcagcct  | atataccaat  | tttccctgcc  | ggataaaaatc | ggaaattttt  | 2495640 |
| gttctatggt  | tgggaggaga  | agtggaagct  | tcggtcaatt  | tgaataaaaat | tactgtaagg  | 2495700 |
| aaaaatgatt  | ttgtatctat  | catgccagga  | accatccttc  | agatacatag  | tgtaaaagga  | 2495760 |
| gaactggagt  | tatatTTTTg  | cggattttct  | tcaaagtatg  | tagaacaagc  | caattttaaac | 2495820 |
| ccttctacca  | tcaacacatt  | atacataccc  | ttgggacgtc  | ctctcatcac  | tcttcgtcca  | 2495880 |
| gaggttgcta  | cactgctgaa  | agattacttt  | tgtttctctca | tcaaactata  | tgaattcttt  | 2495940 |
| aatgaaaata  | cacgcaaact  | tatcacgtct  | catttatata  | gtgacattca  | tacgggtata  | 2496000 |
| gctgctatgt  | acaacaaccg  | ggcaaacgat  | aataaaagca  | gtcttttcgaa | aagtgaagata | 2496060 |
| ttgtgtaaga  | atttcaccca  | gctagtgtatg | caaaattaca  | acaagacacg  | caatgtatct  | 2496120 |
| tggtatgcag  | aaaaattagg  | tatcactcat  | acacatcttt  | gtacaactgt  | gaaacaagcc  | 2496180 |
| acgggaaata  | catgtatgga  | aatcatctca  | cggatggtca  | tcatggatgc  | aaaatcacaa  | 2496240 |
| ttaaaatcaa  | caaaattgtc  | tattcaagaa  | atttccgact  | cgctgaattt  | tgccaatatg  | 2496300 |
| tcctttttcg  | gaaaatattt  | caaacgctat  | gtcggtatga  | gtccgctgga  | atacagaaac  | 2496360 |
| aacggataag  | tacaaaaaag  | aacaggcaga  | agaacaaaag  | aacataattt  | ccaaaggctt  | 2496420 |
| cttcgtgtaa  | tctttctgcc  | tgtttttctg  | caatatagt   | cgattaagcc  | atgcaaacca  | 2496480 |
| cacctatttt  | cttttttcca  | tccatcttga  | cagtcaaagg  | cttgctgaaa  | tgaaccacc   | 2496540 |
| gcaagaattt  | tgtttcttct  | acggccggca  | tgctgttcag  | caactcctga  | ttgtacaagc  | 2496600 |
| cgctcgttcat | gtaagcattg  | atcgtaaaat  | accctactcc  | gaaagagggtc | aggttctgga  | 2496660 |
| agaagtgtgt  | tccctgactc  | ggatcgacac  | gataattggt  | cagccccgct  | tccacgatga  | 2496720 |
| cgcgggccgc  | cgatatgttc  | ggccatttta  | cgggaatacc  | caaccatgta  | tcgctgcttc  | 2496780 |
| cccagcgtcc  | cgggtccgact | aatatgtaat  | gcttgcccttc | gtcgaggaaa  | cgcttggttca | 2496840 |
| gcttttctat  | atcataagca  | atcaactgat  | tattggacgc  | tgaatatccg  | tcggtcttca  | 2496900 |
| cataaatcac  | atcctgaata  | tcatccataa  | tcccctgccc  | caacgaattg  | acgctcttga  | 2496960 |
| gcagaagctg  | atcttcgggt  | atagtattca  | agtcctcatt  | caaactctgcc | ttcatatcca  | 2497020 |
| ccatcgagacg | tatctgcaac  | agataaaaaa  | cacccttttt  | ctctttcgca  | tccagattta  | 2497080 |
| cagcaaaactc | tatctccaca  | ggacgacgca  | tttcgccttg  | tccgtacttc  | tgagcaagct  | 2497140 |
| ggagaatacg  | tgccagcgga  | aaaacatcgt  | gctgaagaat  | attggcaaaa  | gtgatgacct  | 2497200 |
| tacggcctcc  | cggataaata  | ccatcgcgta  | taaccatata  | atacggatcg  | taggtagagg  | 2497260 |

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|-------------|------------|------------|-------------|-------------|------------|---------|
| cgatgtaagt  | caaagctcca | tcgttctcgg | cttcctttac  | cggaagtttc  | aacaagttaa | 2497320 |
| agccgtcgtc  | gagcgaaaag | ttctgtccca | gattcttcag  | gtcgagcgca  | tagaaacgtg | 2497380 |
| tctgtgtttc  | gcgcaaagcc | atctccatct | cgctggctctg | aagcacttta  | tccggatgat | 2497440 |
| aaggacaaac  | cttaacgtc  | agtcctccgt | cgacgatata  | ttttccgagt  | cccagtgcca | 2497500 |
| ggctgaccgt  | tccttcttct | gccagttcgt | cgttgatggg  | ataataattg  | atggaacgcg | 2497560 |
| ccacccccga  | aatagaagga | taaaaacggg | cgccatactg  | tgtaccacc   | acttcctgaa | 2497620 |
| gaatcaccgc  | catcttttcc | tgatcgatca | cgttgctggt  | agcctgcata  | tacgccttac | 2497680 |
| tatccttata  | atataccgaa | gcatagactc | cctttattga  | atcgctcaac  | atgcgaagca | 2497740 |
| tttcatattt  | gtctgtcaga | taaggtatca | tataagtaga  | gtaaatacca  | gcgaacggct | 2497800 |
| gataatgaga  | gtcttccagc | aaactggatg | agcgtatggc  | aataggagac  | ttcaccacat | 2497860 |
| cgaaaaaggc  | gaaaaagtct | tcaaccagcc | ggtcggggcaa | cttggcacgc  | aggaaggcac | 2497920 |
| gcaggattgt  | ctcatcgctg | gcacgcctta | acgcaacctg  | atacaactgg  | ttcatatcca | 2497980 |
| tgaactcatc  | gaagatatcg | gtacaaagta | ctaccgtttt  | cggaataaca  | acggaggcat | 2498040 |
| tttcaaattc  | ttcaaactcg | gcatgccgtt | ttaccatggt  | gtcgataaac  | gccagtccac | 2498100 |
| gtccttttcc  | tcccagggag | ccgtcgccga | tacgagcgaa  | attagaatac  | cggtcgaaac | 2498160 |
| ggtcgcgttc  | aaacacagcc | accactccct | gattcttcat  | tttacgggat  | ttcacaatcg | 2498220 |
| cttcgaaaaat | aatctgacga | tgtgcgtcga | tgtcctgcaa  | gtctttccat  | gaaatctgct | 2498280 |
| tcaggaactc  | ggctaccgga | aagatagcac | gtgaatacaa  | ccagcgtgaa  | atatgatttc | 2498340 |
| gggtaatatg  | ataaaggagt | gattctgccc | gaatagaaaa  | gatgacattt  | tgcaactcct | 2498400 |
| tcagattatg  | taccgggact | acttccctca | tggatttggg  | attgcggaaa  | ataaaatcgc | 2498460 |
| caaaaccgaa  | attttcggaa | acggcctccc | gcaagtcaat  | attcattttc  | ttggaattct | 2498520 |
| tatcgatgaa  | ctgtgcccc  | caactctctg | caaagttctt  | attggttaacc | tctgccgact | 2498580 |
| gaaggatcaa  | cgggataaaa | ggatcacggc | tacgtacttc  | ggtcaggaaa  | cggatgcctg | 2498640 |
| ccttcggatc  | aatctgacct | tcacgtggaa | aacgtgcatc  | cgatataata  | cccagcatgt | 2498700 |
| tatgctgata  | cctattatat | aaattcatgg | cttcttcata  | cgaacgtgcc  | agcacaatct | 2498760 |
| tcggacgacc  | acgcatacgc | aacgtacgct | ggtgctcatt  | caaagcttcg  | gttgcaaact | 2498820 |
| cctgactctg  | acgaaggaca | aacttataca | aatcgggcag  | tacggacgaa  | tagaaacgga | 2498880 |
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| tcactctgtc  | ctctatcagc | ttgatgatag | ataccagtaa  | gtcgggtgtt  | cccaaccagc | 2499000 |
| agaatacata  | ctcgaaaatg | ctcaaactct | cgtgctccat  | acgttctttg  | ataccatgag | 2499060 |
| agaacggagt  | cagtaccacc | agcggaatgt | gagggtaact  | ctctttaatc  | tgccgtgcaa | 2499120 |
| tatcgaaagt  | atcgctgttg | tccgatcccc | gcatacaaat  | aaccagatcg  | aacatggtat | 2499180 |
| ttcccaactg  | cttcaggga  | tcttcttcgg | tagaaacctg  | tgtgaaacga  | ggcggataac | 2499240 |
| gaagactgag  | attcatgtat | tcgataaata | tcttttcac   | gatacgtccg  | tcgtcttcca | 2499300 |
| gcatgaaagc  | atcgtaagga | ttggcaacaa | gaagtacgtt  | aaagattcgt  | ttcgtcatca | 2499360 |
| ggttgacaaa  | ctgtgtatcc | ttaaaataga | gctgatttaa  | ttttaactta  | ctgagcatag | 2499420 |
| cttcaagggt  | tacgctttat | ttatttaaca | aataacggga  | tttctattga  | tttgtgcaac | 2499480 |
| ttaccggcag  | agaaaaatta | ctttcggaca | aaaaatgtat  | taccgcgctt  | taacttttta | 2499540 |
| tcacttttta  | gaggcaaaaa | caagccaaaa | tattttgcca  | ttctaggtaa  | aatcctatct | 2499600 |
| ttgcaataac  | aaataatttc | attttgtcag | accttaaaca  | aaaagatcat  | ggatattaat | 2499660 |
| caaattatgt  | catctttgga | agctaagcat | ccaggatgaat | cagagtattt  | gcaagcagtt | 2499720 |
| aaagaagttc  | tcttatccat | tgaagatatc | tacaaccaac  | atcctgaatt  | tgaaaaagtt | 2499780 |
| tcgttaattg  | aacgcctggt | agagcctgac | cgtattatta  | ctttccgcgt  | accctgggta | 2499840 |
| gacgataaag  | gtaaagtaca | agtaaactta | ggttaccgtg  | ttcaattcaa  | caatgccatt | 2499900 |
| ggcccgtata  | aaggtggtat | ccgtttccac | gcacgcgtta  | acctttctat  | cttgaaattc | 2499960 |
| ttaggattcg  | aacaaacctt | caagaatgcc | cttactactt  | tgccatggg   | tggtggtaaa | 2500020 |
| ggtggttccg  | acttctctcc | gcgcggaaag | agcgtatcgg  | aagtcatgcg  | tttctgccaa | 2500080 |
| gccttcatgc  | tggaattgtg | gcgccatctg | ggtcctgata  | tggatgttcc  | ggccggtgat | 2500140 |



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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atcgggtgtag | gtggccgtga  | agttggatac  | atgtttggca  | tgtacaaaaa  | actgactcat  | 2500200 |
| gaattttacag | gtacattttac | cggtaaaggt  | ctggagttcg  | gcggttcatt  | aatccgtcct  | 2500260 |
| gaagctacag  | gattcggcgg  | cttgtatttt  | gtaaagcaca  | tgctcgacaa  | gaaaggtatc  | 2500320 |
| gacataaaaag | gaaagactgt  | tgcgatttcc  | ggcttcggaa  | atgttgcatg  | gggagcagct  | 2500380 |
| accaaagcta  | ctcaactggg  | agctaaagtc  | gtaactattt  | ccggtcctga  | cggatacatt  | 2500440 |
| tacgatccag  | agggtatcag  | tggagaaaaag | atcgattaca  | tgcttgaact  | acgtgcttcg  | 2500500 |
| ggcaacgata  | tcgtagcacc  | ttacgcagaa  | agattcccta  | attctacatt  | tgtagaagga  | 2500560 |
| cgctcgccgt  | gggaagtcaa  | agtagatata  | gcactgccat  | gcgctacaca  | gaacgaattg  | 2500620 |
| aacggagaaag | atgctcagca  | tctgattgac  | aaccatgtac  | tctgtgtagg  | agaaattttcg | 2500680 |
| aatatgggct  | gtacgcctga  | agctattgat  | gccttcacatg | aacataaaact | gatgtatgct  | 2500740 |
| ccaggtaagg  | ctgtcaatgc  | cgggtggtgta | gcaacttctg  | gattggaaat  | gagccagaaac | 2500800 |
| gcaatgcact  | tgagctggtc  | tgctcaggaa  | gtggatgaaa  | agctgcatca  | gattatgcat  | 2500860 |
| aacattcacg  | aacaatgcgt  | gaaatacggg  | acagaacctg  | acggctacat  | taactacgtg  | 2500920 |
| aaaggcgcga  | acatagccgg  | atztatgaaa  | gttgacatg   | ccatgatggc  | acaagggtatt | 2500980 |
| gtgtaataga  | ctttatat    | ataaagaaaa  | ataagaatag  | gaattacatt  | tttttggtcc  | 2501040 |
| caaattttttg | tttgtgattt  | ctatttctta  | atatttacaat | atatctcggt  | tagttgtatt  | 2501100 |
| tgtattttgt  | attgtagctt  | gcgctgcctg  | cctgagaagg  | ttcggcagcg  | tatttttttt  | 2501160 |
| cagatttctcg | gtatacaaat  | ctcaaaattg  | gcgttaatct  | taataaaaag  | taaattataa  | 2501220 |
| atataaaatc  | gaacgccatg  | aaatatttgt  | ccatcgccat  | tacccttttg  | gccattttga  | 2501280 |
| atagttgcac  | tcaagaatat  | ttgtttctc   | ctacagatag  | tacagtttcc  | atcgtaggaa  | 2501340 |
| atztatcagt  | cccgtttcag  | gacaatacag  | ccagaggtat  | cagggtccaat | tacctaccag  | 2501400 |
| atggaagtgtg | catatcattc  | tatagttcag  | gaggaaatata | tgccgacaat  | ttattactaa  | 2501460 |
| cctatgaaaa  | ggaaagatgg  | aatttcccta  | ctgaactaca  | atggaatcca  | gaacgatctg  | 2501520 |
| aagctactat  | caccgcctat  | tacccatata  | tagaaaaaga  | cttttgtccc  | tatgaaaaag  | 2501580 |
| acggaagtct  | aaaagatata  | ttgtatagta  | ctggcatttt  | caaataccaa  | agtcctatta  | 2501640 |
| ctctgcaatt  | caatcataca  | atagttcggt  | aaaaattagc  | ccagcctaag  | cggctctggc  | 2501700 |
| agtaaataaaa | atgagttctt  | tgaaaagttt  | gtcaattaat  | tgctgttttg  | gttcaatccc  | 2501760 |
| agacacgcaa  | ataaatcggt  | caagcatgta  | agcattgtgt  | atgactgact  | tgcatgatga  | 2501820 |
| tatggaatat  | tttattccca  | tcttcttaca  | ggcagccttg  | gcgaggttta  | tcgctgcaag  | 2501880 |
| tgatgcatta  | aagtggaaatg | ccagtttcct  | gaagtctgta  | gactgacagt  | ttgctatttc  | 2501940 |
| ggcatgttgc  | ttggcatccc  | gaaagcagaa  | ttcgagttgg  | aaacgtgttc  | tgtaaaagtc  | 2502000 |
| caggacatcc  | tgtgcgttct  | gtatttcgtt  | tgtagagaaa  | tacagctgcc  | atattgtccgt | 2502060 |
| tcttccatcc  | atgggggtacc | atacagccag  | gtcacaaaag  | cgtttgagtg  | ctttggagta  | 2502120 |
| tgctttcagt  | ccgtaaagtt  | tacccttggt  | cactttgtac  | tcggtacatc  | ttgtgatgtc  | 2502180 |
| cagattttca  | aagtcaattt  | tctcgtcatg  | taattttgga  | cgtccgcgtt  | ttcctgtcct  | 2502240 |
| attttctaag  | gtgggataaa  | acaatacggc  | atcatttcctg | aaacggctta  | ttacgtggaa  | 2502300 |
| accgttatcg  | tacaatgggt  | tgatgaaagt  | tgcttttgaa  | aagaacgcat  | cacacacgac  | 2502360 |
| tgtgccagaa  | atacgtttca  | gctgttcctg  | tatgctgata  | aggtaagagc  | tgtaccagtc  | 2502420 |
| aacaagattc  | ttctcacagc  | tttcagcgt   | tgctgtgtga  | ggtgtctgta  | cagagcccaa  | 2502480 |
| agtcatacat  | tcatgggtgt  | caacgtctat  | aactccaata  | ccggttattt  | ccagtccacg  | 2502540 |
| tttgtattca  | ccggcacaac  | cggaccagaa  | atagccaatc  | cacggcggtt  | tgctgcctga  | 2502600 |
| ttttggaatg  | aaagacggat  | caacggctat  | cgctttgcga  | ccacctttaa  | ggtgttccct  | 2502660 |
| gatgatggct  | tcattgaagg  | aaaaccagtc  | aaagccgtcg  | ttctcaaaat  | tgttgcggtga | 2502720 |
| tgtctgttcc  | gagaaacatc  | cataccgtcc  | cattttagtg  | aaattgatgc  | ggtcaggtat  | 2502780 |
| agccatgaat  | aatttcattg  | catccatgaa  | tactttctga  | aaagatttgc  | ttatattttac | 2502840 |
| agctgattcg  | agagcgtttc  | tgcaactcga  | ttggtattgc  | ataaggagtg  | attcttttagt | 2502900 |
| cataattaaa  | agtgggtgaag | tacttcta    | ttactaaaaa  | tcagtgaatt  | atgaaatact  | 2502960 |
| ttttctgttg  | attttcagct  | gtttagcata  | tctttttcat  | cccttttctt  | actccttgac  | 2503020 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| gatttattct  | tgacagtatt | tcaatgatct | cttgaatata  | atdddgaacc  | ggattatgcc  | 2503080 |
| gattctatgt  | ttaattttta | tttatcggta | aaaattttacc | gaagtattga  | tcatatatct  | 2503140 |
| tcacaactta  | tttttcaagt | taacgctcgc | ctaaattctc  | attdtagaaca | aataagcttt  | 2503200 |
| accccttcta  | tttcaataaa | taatattgat | tggcgacatg  | cacaactgac  | atatacatca  | 2503260 |
| gataagttgc  | atacacaaaa | attcacgaaa | caagaaaatg  | gaattttataa | gctgatagtc  | 2503320 |
| ccacccgcat  | caaatatctc | gataaatatt | accttaaaaa  | cttctgaagg  | taattataca  | 2503380 |
| gcgcagctca  | caccaacaac | tttccaacag | ggatatcaat  | ataaatataa  | tcttaagtcc  | 2503440 |
| aataacgaat  | gtggcataag | tacagcagaa | gattttattg  | cttttaccca  | tttaatcaac  | 2503500 |
| ggagaagttt  | actccaacag | aacgttagat | gaattttgaa  | cttccaataa  | tggttaactgg | 2503560 |
| acatatfact  | tgctcaatga | tatttacttc | actcccgaac  | aatgtgaacg  | actacaacct  | 2503620 |
| atcggacgca  | ttgagtcaca | ggaagccaat | tatatgggat  | ttaaggactg  | cctggacgga  | 2503680 |
| cagaatcatt  | cactatacaa | tttatatctc | accccaaaag  | aagatatgga  | ttcatatgct  | 2503740 |
| ctgttttctt  | gcatagatac | aacaggcatt | gtcaaagact  | tgaacatagt  | aaatgcttca  | 2503800 |
| ttcaccggaa  | gtcatatttg | caaatacgaa | gctatacttg  | caggaagaaa  | taacggcact  | 2503860 |
| ataatcggat  | gtcatatcaa | gggcaataat | actttttag   | aatgaatga   | caacaagcct  | 2503920 |
| ggaggaatga  | ttggtatcaa | caaaggatgc | attataaaca  | gttcatctga  | gaacattgat  | 2503980 |
| tttcaacacc  | ccaacgggaa | agttggtgga | attdcttata  | gtaattcagg  | taaaatactg  | 2504040 |
| aattgctata  | caagtgaatg | caattttctt | catactcagg  | ctggagcagg  | catctgctat  | 2504100 |
| acaatggaa   | ctaggagtga | aatgaaaaat | tgctatgctt  | ttaccactgc  | cggatatccg  | 2504160 |
| tcaaagaaaa  | aatatgccgc | acttgtctac | tccgcaaaca  | actgtataat  | agaatgcgga  | 2504220 |
| ttatcttggt  | acgatgacat | aaaaacggtt | tacggtagct  | atcaaactac  | tctcaaagag  | 2504280 |
| atatatactt  | atgatgcaca | gaccatgaaa | actcaaaatg  | gaatattagt  | catggatata  | 2504340 |
| ctcaataatt  | ggattgagaa | caatgcttct | ctttaccctc  | aatatacttt  | ctatgactgg  | 2504400 |
| attacaggag  | ataccctcc  | tatcatcata | caacaacat   | agattatggt  | ttttttatac  | 2504460 |
| tcaaggacaa  | tacgtatgca | taaaatggtg | tatttttgcc  | gcaaaatctg  | tttctcatgg  | 2504520 |
| aaaaaaaaata | aaaattagtg | attattatag | cggccttaat  | cgttgtggtt  | gccggagttt  | 2504580 |
| catttttagc  | gttcaacgag | tttcgcaaaa | atagagaaat  | gaccgaggta  | ttcgtgtcgc  | 2504640 |
| aaaaggaaga  | aatggaaaac | gaatacagta | ctttcgccac  | tcaatatgat  | gagcttcaag  | 2504700 |
| tacaaataaa  | taatgactcc | ctgcgcgaaa | aactggaaag  | tgaaaagttg  | aagacacagc  | 2504760 |
| gcttgctgga  | agaactgcga | caagtaaaaa | gcagcaatgc  | agcagaaatc  | atacgtctta  | 2504820 |
| agaaagagct  | gaagacggta | cgtgccgtat | tgagaagtta  | tgtcatgcaa  | atagactcac  | 2504880 |
| tcaatcgtct  | gaacgcagcc | ttaatggtag | aaaatcagga  | agtgaaaagc  | aagtatacac  | 2504940 |
| ccgcaactgc  | acaaatcaac | acgctcgcgg | cagagaaaaa  | gaatttgaac  | gaaagagtat  | 2505000 |
| cgttggtgc   | acagcttgat | gcaacgaata | tctctgcact  | tccgatgaac  | aagcgaggca  | 2505060 |
| agaaagcacg  | taaggtaaaa | gacgtgaaaa | agattgctat  | atcattttacc | atcgtcaaaa  | 2505120 |
| acattacggc  | taagactggt | aacaagacga | tttatgtgcg  | tatcgccaaa  | ccgaacaatg  | 2505180 |
| aaattctatc  | aaaaagtaat | acaacattcc | aatatgaaga  | tcgccagatt  | acttattcaa  | 2505240 |
| taaagaaata  | tattgaatat | accggtgagg | aacaaagtgt  | tactgtatac  | tgggacgtag  | 2505300 |
| aagagttcct  | tccttcggga | acatacaatg | tttatatatt  | tgccgacggc  | aatatgattg  | 2505360 |
| gccagaattc  | attdgaaatg | gaataatacc | tttatgagaa  | aaaaaccgat  | ctatttcata  | 2505420 |
| ctaggcttta  | tgctctcgac | agtattcatg | ttgtcgtgtg  | gagaagatcg  | ttccggagaa  | 2505480 |
| tattatgcct  | tgattggaag | caagacatgg | attdatgaaa  | ccatgcaaca  | gaactatttg  | 2505540 |
| ttctacgaag  | accttcctgc | tgaagacggt | cttgattttt  | tcgataagcc  | tgccgacttt  | 2505600 |
| ctggagtcgg  | ttgtatccga | tcaggataaa | aaaaacggag  | taaccttctc  | acacattgac  | 2505660 |
| tccgtaaaaa  | cgacacgcgt | actaagcaat | aatcctactt  | atggaattga  | aggtacattg  | 2505720 |
| gttcgtggta  | ccgacggcga | ctattattat | accattttat  | atgttcagcc  | tgaatcaccg  | 2505780 |
| gcaagcgaag  | caggactgaa | gcgaggtgac | cacatctgca  | tggctaacgg  | aaccaagctc  | 2505840 |
| agcagcagta  | attatgctgg | atatatccag | acaccgacaa  | cggcttatac  | atacaaggta  | 2505900 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gccagaaaag  | gtgaaagtac  | tacacccgat  | acgctagaga  | tacccatgcc  | tcagccacgt  | 2505960 |
| ataattgaag  | aacccagtg   | ctatctgaca  | cggaaatttta | caacatcaaa  | cgggaagaag  | 2506020 |
| gttttctata  | tcatgtataa  | tagtttcgaa  | acttctgaag  | agtcagacct  | gaaaagcaaa  | 2506080 |
| tttgcagaag  | gactggcctc  | ttctcccaat  | gatattgtcc  | tggatctaag  | atacaatccg  | 2506140 |
| ggaggatatg  | tttctaccgc  | tcaattgctt  | agcacaatac  | ttgtccatc   | caatgcaatg  | 2506200 |
| ggacaaaact  | gcttcaacct  | gatctttaac  | gacaagttga  | ataaagtgga  | gaattatgca  | 2506260 |
| ttcgaatccg  | cattactgca  | aggagtttcc  | aatgcctcgt  | acgaacatct  | atatatcctg  | 2506320 |
| acgacaagca  | ataccgcttc  | ggcctcgga   | ctggttatca  | attgcctgcg  | tccgtatctg  | 2506380 |
| ggtgacaaac  | tgcttcaagt  | aggagaaaat  | accttcggca  | agaatgtagc  | ccaaagcttg  | 2506440 |
| tttacgaatg  | cttcatactc  | aaaactggaa  | ttttggctga  | ctactgcata  | tatcagcaat  | 2506500 |
| tcagaaaact  | actacgatta  | ctacacccgat | ggattaaaat  | ccgattatac  | cgtcagtga   | 2506560 |
| gacgtatcag  | gatacttggg  | agaattaggc  | actgaacaag  | atgcattaat  | ggctgccgta  | 2506620 |
| ttgcatcaca  | tcgaaaatgg  | cagttttcca  | gccgtagaaa  | ctcctgaaac  | gcaatctgct  | 2506680 |
| gtcagtcgca  | acttcggaat  | gaaccaaact  | ccgcgggtca  | tattcaattc  | cattgcacat  | 2506740 |
| aaactcaagt  | actctaaaat  | aaccaaatat  | taattaactc  | aggccaataa  | gctaaaaaag  | 2506800 |
| caaaaaagca  | ttaatgcaat  | aatccttttc  | aaccttttta  | cttgggtggat | tgtttatatt  | 2506860 |
| gtgatacatt  | tgcaatgttg  | cataagcaac  | taaaacctaa  | agtagaatcg  | gtaatgaaaa  | 2506920 |
| gagttttaag  | tttcatttta  | ttgttcgggc  | tggtctctgag | cagttatgcc  | caacgaatcc  | 2506980 |
| taaacctgga  | cagttgtcgt  | gcattggctc  | tctcgaacaa  | caaagaacta  | cgcatcgcac  | 2507040 |
| aagagaaaag  | aaatgccgca  | cattatcagc  | agaaagcagc  | atttaccac   | tttctgcccc  | 2507100 |
| agatagatgt  | tacagggagt  | tacatgcgta  | cccaaaaaga  | aatatcgcta  | ctaaacgatg  | 2507160 |
| accagaaaaca | ggttatcggg  | aacatgggta  | caagcgtagg  | caacggactg  | caacaattgg  | 2507220 |
| gacaggaatt  | gcaacaggta  | gctatgcaac  | atcctgaact  | ccttcctctc  | cttaccctt   | 2507280 |
| tgaataatgt  | gatgggtaaa  | ataccaggag  | cactcaatca  | agccggacaa  | agtattcttg  | 2507340 |
| acgcattccg  | caccgatata  | agaaatctgt  | atgtcggagc  | agctacactg  | acccagccca  | 2507400 |
| ttttcatggg  | aggaaaaatc  | atcgcatata  | acaagattac  | caaatatgca  | gaacagcttg  | 2507460 |
| ctcaatcgca  | acatgctaca  | ggaatgcagg  | atgtcatatt  | gagtacagac  | caggcttact  | 2507520 |
| ggcaagtcat  | ttccctcgtg  | aataaaaaga  | agctggccga  | aagtttctta  | caactagtag  | 2507580 |
| agaagctgga  | ctccgatgta  | agtaagatgg  | ttgcagaagg  | tgtagcaacc  | actgccgacg  | 2507640 |
| aacttagtgt  | taaagtaaaa  | gtaaatgaag  | ccgaaatgac  | cctgacacaa  | gtagaagatg  | 2507700 |
| gactcagttc  | atcgaaaatg  | gtactatgtc  | aactctgtgg  | catcccctta  | aacacagata  | 2507760 |
| tccgactggc  | agacgagaat  | atggaaaatc  | ttaccttacc  | tgatatgtat  | acagaaaagta | 2507820 |
| atgtaagtac  | agccttcgcc  | aaccgcgagg  | aattgaaatc  | actggagctt  | gcagaaaaga  | 2507880 |
| tttaccgtca  | gaaagtcaat  | gttacgcgcg  | cagaatttct  | tccttctgtc  | ggactgacag  | 2507940 |
| ccaactactt  | gttttccaac  | ccgtcactag  | tcaacggatt  | tgaaaataaa  | ttcagaggaa  | 2508000 |
| tgtggggaat  | cggagtcatt  | gtaaaaatac  | ctgtattcca  | ctggggagaa  | ggtattttata | 2508060 |
| aagtaaaagg  | agccaaagca  | gaagccaata  | tagcccgcga  | ccagctggaa  | gatgtaaaagg | 2508120 |
| agaaagtgga  | actacaagtt  | acccaaagct  | catataaagt  | aaacgaagcc  | gtcaaaaagc  | 2508180 |
| tgaacatggc  | agaaaagaat  | atggaaaaag  | ctgaagaaaa  | tctccgatat  | gctaaccttg  | 2508240 |
| gctttaagga  | aggagtcatt  | ccaaccagta  | acgtactcga  | agcacagaca  | gcctggctct  | 2508300 |
| cagcacaatc  | tggaaaaatc  | gatgtcctaa  | tcgatttgaa  | aatgagtga   | atatatttta  | 2508360 |
| acaaatcaat  | gggaacatta  | aaataacaaa  | ccaatatgac  | cgaaaaatct  | caacgcagca  | 2508420 |
| atatcatgct  | ggcattcttt  | acacttgacg  | ctgtaattgt  | tattgtaagc  | attatcgggt  | 2508480 |
| tctttaccct  | cggaaaagggt | cctgaaatca  | ttcaaggaca  | agcagaagcg  | accgaatatc  | 2508540 |
| gtgtatcaag  | caaagtaccg  | ggacgtattc  | ttaaatctct  | ggtagacgaa  | ggtgacaagg  | 2508600 |
| ttaaggcagg  | cgatacactt  | gccatactcg  | aggccccga   | tggtcaggcc  | aaattgtcgc  | 2508660 |
| aagcacaagc  | tgagaagaa   | gcggcacaag  | ccctaaatga  | aaaagcaata  | cgaggcactc  | 2508720 |
| gttccgaaca  | actccaggct  | gccttcgaaa  | tgtggcaaaa  | agcaaaaagcc | ggactggaaa  | 2508780 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tagccgagaa  | atcatacaac  | cgtatcaaca  | gactgtatga  | agaaggagtc  | atgtcggccc  | 2508840 |
| agaaaacgtga | cgaagcaaaa  | gcccataatg  | atgcgatggc  | tgctaccgaa  | cgagctgcaa  | 2508900 |
| atgcacaata  | taccatggcc  | aagaatggtg  | ctcaacgtga  | agataaggct  | atggccgcag  | 2508960 |
| ctcaggtaga  | acgtgccaaa  | ggtgccgtag  | ccgaagttac  | atcttacatc  | aatgaaactt  | 2509020 |
| atctgatcgc  | ttctgccgac  | ggagaagtga  | cagaaathtt  | cccaaaggta  | ggcgaactgg  | 2509080 |
| tcggtacggg  | tgctcccatc  | atgaatgtag  | cccaaagtga  | tgacatgtgg  | gtaactttca  | 2509140 |
| acgtacggga  | agattacctg  | aaagacttca  | ccgtaggagg  | tgaaatcagc  | gcctatgtac  | 2509200 |
| cggctttgga  | aaagaacgtt  | acattcaagg  | tcactttatat | gaaagaccta  | ggtactttatg | 2509260 |
| ctgcctggaa  | agcaacaaaa  | acaaccggac  | agtttgacct  | gaaaacattc  | gaagtaaaag  | 2509320 |
| ctaaaccagt  | acagcctgta  | gaaaacttac  | gcccgggaat  | gtcggctatc  | attgaaaaat  | 2509380 |
| aaaaaacagt  | catgtcaata  | accatccata  | aacgcctggt  | acagattgca  | aagcgagaag  | 2509440 |
| taatgcgcat  | tgcaaccaaa  | ccaatgtatc  | tgttctgcat  | ggtaatagcc  | cctgtcttca  | 2509500 |
| gttatatat   | cttcacaaca  | ctgatgagca  | gcggactacc  | taccaatatg  | ccggcaggtg  | 2509560 |
| tagtggattt  | agataacacc  | tcaacgactc  | gtacaatcat  | acgtaacctg  | gacgcttttc  | 2509620 |
| agcagacaaa  | aattgtagct  | cattacaata  | gctttaacga  | agccagagaa  | gctgtacagc  | 2509680 |
| gcggagaaaat | ttactcattc  | tattacatac  | cacaagggac  | gacagaaaaa  | gcaatcgcag  | 2509740 |
| gcagacagcc  | taaagtttct  | ttttacacaa  | acttttcgta  | cctgatagcc  | ggctcactgc  | 2509800 |
| tttaccgaga  | ccaacgtacc  | atgagcgaac  | tggtctcggc  | ggccatcgga  | caaagtacct  | 2509860 |
| tactggctaa  | gggcgctaca  | gaagaccagg  | ctatggcctt  | tctgcaaccc  | attgtgatag  | 2509920 |
| atacacatgc  | cctgaacaat  | ccgtggctga  | actattccgt  | atatttgtgc  | aatacacttt  | 2509980 |
| ttccaggaat  | attgatgctg  | ctcatctttc  | tggttacagc  | ctacaccata  | ggcgtagaag  | 2510040 |
| tgaagaaaaa  | tacagcaaag  | gaactgatgc  | acatggcaga  | taattccatc  | gtcacagcac  | 2510100 |
| tggtagggaa  | actattgccca | cagaccatca  | ttttcttcat  | catcgctgta  | ttctataatg  | 2510160 |
| tatatcttta  | tggattcctg  | cattatccgt  | gtaacagcgg  | catattcccc  | atgctttttg  | 2510220 |
| cgggactggt  | acttggttctt | gcttcgcagg  | cagtaggcat  | attctttttc  | ggattattcg  | 2510280 |
| gaacactccg  | tctggcactc  | agcgccgcct  | cattgtgggg  | agttctgtcg  | ttctccattt  | 2510340 |
| caggattcac  | ctatccagta  | atggcgatgc  | acccgacgct  | tcaggcactg  | tgcatgttgt  | 2510400 |
| ttcctttacg  | gcattatttt  | ctgctatatg  | ccaatcttgc  | tctaaacggg  | tatccgctca  | 2510460 |
| tttatgcatg  | gcattctgtg  | gtagcactac  | tgatattttat | gctgcttcca  | ttcttcgtac  | 2510520 |
| tgaagagatt  | acgtacgatt  | atgtttacact | atatctatat  | tccttaaaaag | cttgattcat  | 2510580 |
| ggaaaaatat  | tcactccgac  | atacaataca  | gcaagggttc  | aacggattat  | tctatatattt | 2510640 |
| cagaaaagag  | cttaaagcta  | ccatcaaaga  | tcaggagata  | ctgattttct  | tcctgctggg  | 2510700 |
| accattggct  | tatccgctga  | tatatgcttt  | tatctacacc  | aatgaagtgg  | ttcgcgaagt  | 2510760 |
| ccccactgct  | gtaatatagtg | caagcaacac  | tgccctcagc  | cgaaaataca  | tccgcatggg  | 2510820 |
| agacggaaca  | ccggatgtac  | acatacaatc  | ttattgtgct  | gacatggaag  | aagccaaaca  | 2510880 |
| actgctgaaa  | gagcagaaaa  | tatatggcat  | tatttatata  | cccgaagct   | tcagccgcga  | 2510940 |
| tatagccgaa  | ggaaagcaga  | cacatgtaag  | catctattgc  | gacatgagtg  | gcatgctgta  | 2511000 |
| ctataaagct  | attctgctgg  | caaatacaga  | aacctctctg  | aaaataaaca  | aagacattca  | 2511060 |
| gataaaacgc  | ttagggaata  | cgactgagcg  | gcaagatgaa  | atcagtacaa  | ctcctataga  | 2511120 |
| atatgaatcg  | gtttcgctat  | tcaatccaca  | agacggattt  | gccagctttc  | tgattccggc  | 2511180 |
| tgtactgata  | ctgatcatac  | aacaaacact  | actgttggga  | gtaggtctgt  | cagcaggtac  | 2511240 |
| ggcacgtgaa  | acgaaccgtt  | tccgcgatct  | cgttcctatc  | agccgacaat  | atcagggaac  | 2511300 |
| cttacgcatac | gtcatgggca  | agtctttggc  | ctacctgatg  | atttacgctg  | tcatggcggc  | 2511360 |
| atatattctg  | tgcgctcgttc | ccaaactggt  | cagtctggta  | cagcttgcac  | aacctgcaac  | 2511420 |
| gctgttctgg  | tttactactgc | cttacttgct  | ggcatgtatt  | ttctttgcca  | tgacttgctc  | 2511480 |
| gattttcatc  | caccacagag  | aatcgtgcat  | gctgattttc  | gtattcacct  | ccgtacctct  | 2511540 |
| gttgttcata  | tcaggtatat  | cgtggccagg  | agcggccgta  | cccaagtttt  | gggaaatctt  | 2511600 |
| ctcctggata  | ttcccatcca  | cttttggtat  | aaacggttac  | gttcatatca  | ataccatggg  | 2511660 |

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|             |            |             |             |              |             |            |         |
|-------------|------------|-------------|-------------|--------------|-------------|------------|---------|
| agcgacatta  | cacgatacct | taccgcaa    | at          | cagagcatta   | tggatacaga  | ccgtcgttta | 2511720 |
| ctttttcaca  | acctgctttg | tataccggcg  | ccagattatg  | ctgagccgta   | agcatgctat  |            | 2511780 |
| ggaccgtctg  | aaagcataca | ggaagaagaa  | acgacttcta  | gttaactaaa   | atcaaactct  |            | 2511840 |
| ttcatacagc  | aaaaggctct | tctttcgctt  | ccaattatta  | aacggaagta   | gaaagaagag  |            | 2511900 |
| ccttttttat  | acgataagac | acttacctgt  | atcaatacga  | ttcatgcagg   | ctctcgatat  |            | 2511960 |
| atccatacaa  | ctttttgtag | aaagcatgtc  | tggtcagtgt  | agaagcatct   | cccaatataa  |            | 2512020 |
| tcagcttcat  | acgggcacga | gtaatagcta  | cattcatacg  | acgcaaataca  | ttcaaaaaac  |            | 2512080 |
| caatctgccc  | ttcttcattg | gcacgcacca  | gactgatgag  | aataacatca   | cgctcctgcc  |            | 2512140 |
| cctgaaaagg  | atcgacagta | ttgatggtta  | tcgcctgccg  | gtaaggcttg   | aaaaaggcat  |            | 2512200 |
| cattccgaac  | cagccgacgc | aaatactgca  | cctgtgcctt  | gtaaggcgaa   | atcaaaccta  |            | 2512260 |
| catcaattcg  | ttcactcaga | aacctctccc  | gaccaatfff  | ggtaatatatac | tcctttaact  |            | 2512320 |
| gggcaataga  | caactctgcc | tcgggtttat  | tgatacgtcc  | ataattctca   | ccgacaaaact |            | 2512380 |
| cctcattgca  | gtccattccc | tccgtattta  | tccattcgat  | gggagtatcg   | aaatcgagta  |            | 2512440 |
| tactccgata  | ttttacttcg | ggagccgatt  | gtaacatgcc  | tccataaaaac  | cattcagacg  |            | 2512500 |
| aaaagcgcat  | gatttcatca | ttcatccgat  | actgaagttt  | caacagagaa   | accgttttcag |            | 2512560 |
| gcttgttttt  | cacgatggtc | tgcatacaacg | tatgccccaa  | ccctgcccga   | agcgcttccg  |            | 2512620 |
| gagctttttac | cgtaggagga | agctgacaat  | gatcgccggc  | cagaatcaca   | cggtctgcct  |            | 2512680 |
| ttcggtatggc | aatccagcat | gccggttcca  | acgcctgtgc  | agcctcatca   | ataaacaacg  |            | 2512740 |
| tgccgaatff  | ctgtcccatc | agcagacggg  | tggcactgcc  | taccaatgta   | cacgcaatga  |            | 2512800 |
| ctcgagcctc  | tgcaaacagc | gactcattga  | cacgtatttc  | cagttccgtg   | gcacgatctt  |            | 2512860 |
| tcagagaatt  | tatcttttgc | cgaatggctt  | cacgggtccg  | tcccttccgc   | attcgggcat  |            | 2512920 |
| acagttcgcg  | aatagcctta | cgcatactcc  | acagttgcgg  | ataatcgggg   | tgcgactcga  |            | 2512980 |
| aacgccgctc  | gtaagtaa   | gaaagcatct  | tgtcgttttac | ccgactggga   | tttccgatac  |            | 2513040 |
| gcagcacact  | cactccacgg | tcgaccagct  | tctcgctgat  | ccagtcaact   | gccatgttac  |            | 2513100 |
| tctgtgcaca  | caccagtacc | tgattttcac  | gatgtagcgt  | ttcgtagaca   | gcttctacca  |            | 2513160 |
| gcgtgggtgg  | tttaccggtt | ccgggaggtc  | cgtgtacgat  | tgccacatcc   | ttggcatgaa  |            | 2513220 |
| gtaccttggt  | tactgcctcc | tcctgcgtac  | ggttcaacca  | cgggaaacgt   | accggctgga  |            | 2513280 |
| atgaaaaagt  | ggaaacgggc | tgagttccat  | gaaaaatatc  | acgcaattct   | gccagacggg  |            | 2513340 |
| tgttcttggc  | acttattact | tgcttcaagg  | cttcaaacat  | cagccggtaa   | ctggtttcat  |            | 2513400 |
| cgaaatacaa  | ctgcaccccc | agtacctcct  | tactctgcaa  | ggcaagcaaa   | gcgtctacag  |            | 2513460 |
| aaggaagaat  | caccaccata | cggctcttcat | ccacataatt  | caccgtcgct   | acgaaattca  |            | 2513520 |
| ggtaattcag  | cttaccggat | atatacctgtg | tgaagaaaca  | gaccggacga   | ccataactcaa |            | 2513580 |
| actgatgctc  | aatttcctta | tcctcccgcc  | gttcaacctc  | tacgaccaac   | tgattaaggg  |            | 2513640 |
| cattgtaata  | attccgcccc | aaattcaacg  | gataccagca  | cattccacgt   | ttgattttcc  |            | 2513700 |
| gtcctattcc  | catcagctct | gtctgttgct  | tgaactgttc  | cttttcatat   | tcgtactcca  |            | 2513760 |
| tctgcaacaa  | ttcatactga | tgctgcaaat  | aaagtatcgg  | agattttata   | gtcgtatttt  |            | 2513820 |
| ctttcataca  | ccaatcatct | tacacatccg  | tcacataagg  | ttatagccat   | acgtgacgtc  |            | 2513880 |
| aatcttgatt  | ttttcctttt | gcaaaggtaa  | gagttcttcg  | aaaaaagagc   | ggcggaacaa  |            | 2513940 |
| ttgattttatt | cccggattat | gcgtactttt  | gttttagaggc | tataaaaata   | atgtaaccat  |            | 2514000 |
| gaggaaacaa  | gctgactata | ttaaacgtat  | tgagattaaa  | ggcctgtggg   | gaagaaagaa  |            | 2514060 |
| tatttcgtgg  | aacttgcgtg | cggatgtcaa  | tattctgagt  | ggtataaacg   | gaatcggcaa  |            | 2514120 |
| aagtacgatt  | ctgaataatt | ctgtacgtta  | cctcaacgaa  | ctggaaggac   | atgcgctcac  |            | 2514180 |
| caacggagtt  | caaccgggtg | tttcgtttat  | cttttctccc  | gaggatgcca   | acttcatccg  |            | 2514240 |
| cttcgatgtg  | attcgcagtt | tcgaccgtcc  | gcttattaat  | tccgacttac   | tggaaaaaat  |            | 2514300 |
| tggaaatgca  | aatgtcaaga | cagaattaga  | ctggcaactg  | tatcagttac   | agcgccggta  |            | 2514360 |
| tctcgactat  | caggtaaata | tcggaaaccg  | gattattgag  | ctgctcacca   | gtggagtagc  |            | 2514420 |
| agaaagccag  | gcacgcgcag | cagatgtttc  | acgtcctaag  | accaaattcc   | aggatctgat  |            | 2514480 |
| agacgatttg  | ttcagcga   | caggcaagaa  | gataaaccgc  | aaaagcaacg   | aaatattatt  |            | 2514540 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| cgaacaagac  | ggtgatacac | tgactccgta  | ccaactttca  | tccggagaga  | aacaaatgct  | 2514600 |
| tgtcattctg  | ttgactgtac | tgggtgcaaga | caaccagccc  | tttgccttat  | tcatggatga  | 2514660 |
| gccagaaatc  | tcacttcatg | tagaatggca  | gcaacggctt  | atcgactta   | tccggagctt  | 2514720 |
| gaaccggaat  | gtacaaatta | tactcaccac  | tactccccg   | gctctcatca  | tgaacggatg  | 2514780 |
| gctggatgca  | gtaaccgaag | taagtgatat  | aacaactcgt  | taaaacaatt  | acggctatgg  | 2514840 |
| gaaaaagact  | cacagacaat | cttacttcac  | tctatatattg | agccgccaat  | agtctgaagc  | 2514900 |
| ccaaacaggc  | acgaaggaaa | atcgttgcct  | atgtagaaag  | ttacgacgat  | gtttctttct  | 2514960 |
| ggcgtttccct | tttggccgaa | tatgaaaacg  | acaaacgtta  | ttttgagggt  | atgttgccct  | 2515020 |
| cacgcagctc  | tctagccaaa | gggaaaaaga  | ccgttctgat  | gaacgaactg  | ggtagtcacc  | 2515080 |
| tcggagaaaa  | catgatagcc | tgtgtagaca  | gtgattatga  | ctacctgctt  | cagggaagga  | 2515140 |
| cacaaacatc  | acgttacatt | atcaacagtc  | cttacgtact  | gcaaacctat  | gcatacgcca  | 2515200 |
| tcgaaaatta  | ccattgctat | gccgaaggat  | tacacgaagt  | atgtgtcaca  | gctaccctga  | 2515260 |
| acgaccataa  | actgattgac | tttccggctt  | tcatgaagct  | gtattcggaa  | atagcctatc  | 2515320 |
| ctctttttgt  | ctggtcggta | tggttctatc  | gtcagcacia  | cctgtcggaa  | ttttcactgc  | 2515380 |
| tcgatttctg  | ttccttcgta | aaactggatc  | aggtcagtac  | acgtcatccg  | gagaaaagcc  | 2515440 |
| tcgaaatcat  | gtcgaagaaa | gtcaaccgta  | aacttcatga  | actggaaaag  | cgtcatgcgg  | 2515500 |
| ctgccctcga  | tgaaatagaa | gatatgaaaa  | aagaattccg  | tacgctggga  | gtctatccgg  | 2515560 |
| acaataccta  | catgttcac  | caaggacatc  | acatcatgga  | caatgtagtc  | ctgcgtctgc  | 2515620 |
| tggttccggt  | atgtacggta | ttgcgtcgtg  | aacgagagca  | gcaaatacac  | gacctggcgc  | 2515680 |
| tgcacgatgt  | acaactccac | aacgaactca  | cggcatatca  | gcgtagccag  | atcgacgtgg  | 2515740 |
| aagtagtaat  | ccgaaaaaat | cctcattacc  | agtcatcgcc  | tctatacaaa  | aaaatccagc  | 2515800 |
| aggatataga  | gaattttttt | aaaatagcca  | agtaaaggcc  | tttacggctt  | tcgtatctcg  | 2515860 |
| taccctaadc  | tgagtaatcc | gatacagcca  | tgtaccggac  | tgttttttat  | cacatgaaaa  | 2515920 |
| gccggctgta  | tatacatggt | atgcaaacaa  | gcaatccggc  | aggtcagttc  | accactccat  | 2515980 |
| tcgtttcctt  | cagcaaaacc | tgcataaccg  | gcaaacaccc  | cactttccag  | tttgccacaa  | 2516040 |
| tgcaatacca  | gagcaccacc | agcatagctc  | cggcaacctt  | ttaagactgt  | aggattaacc  | 2516100 |
| gagtattgaa  | tcaatgcatg | ccaatgagct  | gacaaattct  | gctctgcata  | tccccatact  | 2516160 |
| aacgcattcc  | attctttttt | ttctttcgac  | tcttcagttc  | ccttctcata  | acaagcagac  | 2516220 |
| atcccgttac  | gtaaagcaaa | acccatataa  | taactgctgc  | cattgtttctg | ataattaatt  | 2516280 |
| gttgatatcc  | ccagtatgcc | atcactttca  | ggacagaaac  | gaaagacatt  | ctcacgtccg  | 2516340 |
| gtcagtcctt  | tataccccc  | tccattgtaa  | gcagaagcct  | caaaactcta  | tctgtttcct  | 2516400 |
| ttatacttat  | agtctattcc | tatcgaagcc  | agaggataat  | tggcaatggg  | ataattttaca | 2516460 |
| gataatgtag  | ggaaaatgcc | acacgaacta  | ttggtaaaca  | aggaagtata  | aggagatgta  | 2516520 |
| aaatagtctt  | cattcaaatt | acgaactcct  | acaaacagaa  | acgacttttt  | taactgccac  | 2516580 |
| cttataccca  | atacagccaa | cgccaatgga  | gtattttctt  | cctcaatatt  | agaaaatccc  | 2516640 |
| tgccagtcgt  | ctatcaaagg | cctctcatgt  | gtttcggcaa  | tactgattga  | agccatctcc  | 2516700 |
| atgccgaaat  | tttttcctat | aggaaactca  | aactctgccc  | ggagcagatt  | caccactttt  | 2516760 |
| gttcctttcc  | tgaaatcggg | ctggaattcg  | gatgtatagg  | ctatacccgt  | ttcctgtgct  | 2516820 |
| gcaagacaat  | gactatagaa | agtaatcatt  | gacattgcag  | cataaaaaac  | attagtagca  | 2516880 |
| attttttttg  | ctataacat  | tttacaatc   | gcctgatata  | ccagttcttc  | acgagctgtg  | 2516940 |
| tcagtatgca  | ataagaaagt | aaaataccga  | acaacatgg   | gaaatagctt  | aacggcaatg  | 2517000 |
| ctcccagccc  | gatagaactt | ccaaaaggag  | taaacggaat  | gataatgccg  | atagccataa  | 2517060 |
| tcaggaaggt  | cagaccggta | acctgccagg  | atgcacaact  | ctgtatgaac  | ggaattttcc  | 2517120 |
| gcgtacgaat  | catgtgcaca | atcaatgtct  | gcgaaagcag  | tccttcgatg  | aaccatcccc  | 2517180 |
| actgaaaaag  | agtctgatgc | gccagcgagt  | tacagtcgaa  | cacataccac  | atcaccaaat  | 2517240 |
| acgtcacaat  | atcgaaaacc | gaactgatcg  | gaccgataaa  | gatcatgaac  | cggctcaaat  | 2517300 |
| cggatgcatc  | ccacttacga | ggcttgcgca  | gatactcggc  | atccatacgg  | tcgaacggaa  | 2517360 |
| tggtagtctg  | cgaatatatc | tacaacagat  | tctgtataag  | caagtgaata  | ggcaacatgg  | 2517420 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| gcaggaaagg  | caagaaagca | ctggcagcca | tgacgctgaa | catatttcca  | aaattggaac  | 2517480 |
| ttgccgtcat  | cttgatatac | ttcgtgatat | ttccaaacgt | cttgcggcct  | tccagtacac  | 2517540 |
| catcttccag  | caccatcaaa | tccttttcca | gcagaataat | gtccgcactc  | tcctttgcaa  | 2517600 |
| tatccacagc  | cgaatcgaca | gagataccaa | tatccgactg | acgcaacgcc  | gatgcatcat  | 2517660 |
| taatgccgtc  | gcctaaaaag | ccaaccgtat | tctgctggtc | ctgcaagata  | gaaataatct  | 2517720 |
| gcgttttctg  | aataggagtc | agcttagaga | aaaccgtcgt | ttcacggaca  | gccttatgct  | 2517780 |
| gctcttcgct  | actcattgca | gccagttccg | gtccggtaag | cgcatttccc  | gtttcaatgc  | 2517840 |
| ctacctgacg  | ggcaatagta | cgtaccacgg | catcgttatc | tcccgacaag  | atttttactt  | 2517900 |
| caatgccatg  | ctcgtgcaac | tgccggatgg | cacttgccgc | cgactgctta  | ggaggatcga  | 2517960 |
| gaaacgccag  | atacccgata | agcaccattt | cgttctcatc | cttcacacag  | aaattacatt  | 2518020 |
| ccttgccag   | ataactcttc | tgtgccacgg | caatgaccgg | cattccctgc  | ttgttcatct  | 2518080 |
| gctcactgat  | ttcttttgcc | ttctgtttca | gttcgggcat | aaagggctgc  | accttccctt  | 2518140 |
| caaattcggc  | atacgaacaa | atttcgagca | tttcttctac | cgctcccttg  | gtgataatct  | 2518200 |
| gccgttttcc  | ctgtttatct | tccaccacaa | ccgacatacg | ccggcgagta  | aaatcgaacg  | 2518260 |
| ggatttcgct  | aactttcttg | taattatcct | tcaagtgttc | cagatcaaga  | tccttcacat  | 2518320 |
| gcgaaaggat  | ggccttatcc | atcagattct | tcaaaccagt | ctgaaagaaa  | ctgttaaaga  | 2518380 |
| acgcgtggcg  | caaaatacgc | ttatcgttgt | cgcttgagcc | atcggcggtg  | atgtattttt  | 2518440 |
| ccaaaacaat  | ctgatcgcat | gtcagcgtac | ccgtcttgct | ggtacacaaa  | atattcatag  | 2518500 |
| cgccgaaatt  | ctgaattgca | ttcaaatcct | tcactatcgt | ttttttcttc  | gacatggcta  | 2518560 |
| ccgccccttt  | cgacagattg | gctgtcacaa | tcacggaag  | catctccgga  | gtcaatccga  | 2518620 |
| cagccaccga  | taccgcaaag | ataaaagcct | ccagccagtc | accttttgct  | agtccgttca  | 2518680 |
| ccaaaaagac  | aaagggatc  | atgaccagca | tgaaacggat | cagcagaaaa  | ctcaccttac  | 2518740 |
| tgatgccttt  | gtcgaaagcc | gttgccgccc | gatgtccgat | aatccctttg  | gcaatcgttc  | 2518800 |
| ccagatacgt  | attgtttccc | gtagcaaaaa | caattcccgt | agccgaaccg  | ctcaccacat  | 2518860 |
| tcgaacccat  | aaagcaaatt | ttgtccagct | ctaccacgct | acccttgctg  | tacttctctc  | 2518920 |
| ctttcggtag  | cggacacttt | tcaatcggat | ccgactctcc | ggtaagcgaa  | gactggctga  | 2518980 |
| caaacaaatc  | ctttgcctca | acgatacggg | tatccgcccg | aatcatgtca  | ccggcagcta  | 2519040 |
| tcatcacaat  | atctccgggt | accagttcgg | caatgctgat | ttcttcgctg  | tgacttccag  | 2519100 |
| cacgtttcac  | ataacacgtg | ttggtcacca | tcttcagcaa | cgcttcactc  | gacatgtttg  | 2519160 |
| ccttccactc  | ctgacgaaaa | cggagaatgg | cgctgcacac | taccatcacg  | gaaatgatga  | 2519220 |
| taatagccgt  | ccagtcctgt | tctcccggat | cggcaagcag | cacatccagc  | acgaacgaaa  | 2519280 |
| tgataaccaa  | aatcgtcaga | acaccgataa | acggattaat | aaacgtcttg  | atgaaggtag  | 2519340 |
| aaaccggatt  | tttcttcttt | tcatgtttca | cttcattctt | gccataaagc  | gactgtcttt  | 2519400 |
| cctctacttc  | ttccacactg | attcccggcg | gagtagtctg | aaaataactg  | aatacagcgt  | 2519460 |
| ccaatggctg  | agctgccgcc | aaaaatacct | tctcggcatt | aaaagcgaac  | tgtgtctttac | 2519520 |
| gcttcttgct  | cttccacatt | gtcatacttc | gtttacaagt | tactaccatg  | tatctttttc  | 2519580 |
| acgctgcaaa  | agtagaacgg | acactgcaaa | aagacagtta | gaaaacaatt  | agagtgggat  | 2519640 |
| tagaaaacta  | ttagaaaaat | acacaaacag | atacttagct | attagaaaaac | agccagttat  | 2519700 |
| gcaacttaaa  | tgggcgtggt | tattttcttt | ttcacgcctc | attgttaaaa  | tataaatcct  | 2519760 |
| atatatgcgg  | aagttcaatg | acgaaagtcg | ttcccttgcc | ctgctccgaa  | tgtacactga  | 2519820 |
| tattttccctg | atgcagatga | ataatcttct | gcgacagcgt | catgccgata  | ccatgtcctt  | 2519880 |
| ccgccatctt  | ctcctgttcc | cctctataga | acaaggtaaa | cagatgctgc  | ttgtcggctt  | 2519940 |
| ccgacattcc  | gatgcccgca | tccgacaaac | gtacgatggt | ccacttatcc  | cagtaagata  | 2520000 |
| tctggataaa  | cgaagacttg | tcggcagaat | acttacagtt | attttcaatc  | agattcgaga  | 2520060 |
| aagcaatggt  | cagcagatac | agattccctt | tcaccgtaat | cagacgggtca | tcctctgcct  | 2520120 |
| cctcctgttc  | gaacaacaaa | tcgatgtgat | aatctggatg | agcacgcaaa  | ataaattccc  | 2520180 |
| gagcgtccag  | caacaattcg | tccagccgga | tttcctgcat | cttgatatgc  | tccttctgat  | 2520240 |
| agtcggcctt  | cgccagattc | aacaagccgt | ctatcagctt | cgtcattctg  | cgagcatcga  | 2520300 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gcaacacggt  | ctgcattgcc  | tgcctgtact  | gctccccgct  | tcgttccttc  | tgcaacgaca  | 2520360 |
| aatccagctc  | tgctatcagg  | gctgccagcg  | gcgtacgcag  | ttcgtgcgac  | acattgctga  | 2520420 |
| caaacatttt  | ctgcgagttg  | aacgatacct  | ccaagcgctc  | cagcaaagca  | ttgaaagccg  | 2520480 |
| tactcagttc  | tcccagttca  | tctttttcgt  | ttttcacagg  | aagccgccgg  | ttaatatgca  | 2520540 |
| atgccgtaat  | ggttttctgt  | tctttcacaa  | tatcccgaat  | cggtttcagc  | gacgcacggg  | 2520600 |
| caagaaaata  | ccctgctgca  | aacagcaacg  | acaatccgac  | aacaaacaag  | acgaccaacg  | 2520660 |
| ttttctgcaa  | ctccagcaaa  | ttatcgtagc  | catatccgtc  | gtaagcaacg  | gccgtttaca  | 2520720 |
| tgtagtcttt  | ccctccgaac  | gaatagcgta  | ttcccacagc  | ctgatacttg  | ccaatataga  | 2520780 |
| actccatctc  | cttttctttc  | agaatacggg  | ctatcatggc  | acgggtcttc  | ttgataatat  | 2520840 |
| cgttctgtac  | cgcatcgtga  | taaagcatct  | ggaagtcggc  | agaatagaca  | gccactttcca | 2520900 |
| cttcggtgat  | aaacttcttg  | ttgttcagat  | aaatagactg  | catgggtctgt | gcatctacct  | 2520960 |
| gattctgaag  | aaacaaatgc  | gcctttgtca  | ctgcctcact  | tttcagggtcg | tggaataaacg | 2521020 |
| tcttgctgcg  | cgtatgttcg  | cttaccagat  | aaatcaacac  | catgcacagc  | agaaaaacgg  | 2521080 |
| ccgccgtaac  | acacgtattc  | tgtaaagtca  | gtttcgtttt  | tattttcata  | acttatccgt  | 2521140 |
| taaaaatgaaa | ccgataccgg  | gtttcgtatg  | aatgagcttg  | acatcaaact  | ccttgctgat  | 2521200 |
| tttctttcgc  | aggttaattga | tatacacatc  | gatgaaattc  | gttcgggtat  | cgaatgcgt   | 2521260 |
| attccatact  | ttttcggcaa  | tctctacgcg  | actgatgact  | ttctctgctg  | tttcaaccat  | 2521320 |
| atacagcaac  | aggttgattt  | ctttcggcga  | cagctttatc  | gctttcccct  | gccgtttcac  | 2521380 |
| ctccctgagg  | ctccgattga  | ttgttaagtc  | ggcatactca  | atctgctcag  | gcgtatcggc  | 2521440 |
| taccacttct  | ttattccggt  | tcagcaatac  | ctttacacgc  | gccgtcagtt  | cccggaaatc  | 2521500 |
| gaacggtttc  | gtcatatagt  | cgtctgtctc  | cgcatcgaaa  | ccatccagtt  | tgcatcgggt  | 2521560 |
| agaacccaaa  | gcggtcagca  | tcagtatagg  | taccttttca  | ttcaggcggc  | gaatctcctt  | 2521620 |
| gcaaaagctcg | aatccgtcca  | tcttcggcaa  | gataatgtct  | gatataacca  | gctggaaaga  | 2521680 |
| ataagcctga  | aaaagacgta  | gccccatagc  | tccgtcgtat  | gccaccattg  | tctgataacc  | 2521740 |
| gttctcttcc  | agtcgggctt  | tcagcagggtc | ggccactcgc  | ttttcatctt  | ctacaatcag  | 2521800 |
| tattgtctgc  | atactctctg  | aatttaccta  | atgatattat  | ttgcctgcaa  | gtacagatta  | 2521860 |
| caacgcatat  | ccccgccc    | tagttgacag  | gtttacaaat  | atagtgaatt  | tatttttagcc | 2521920 |
| acaaagtgtg  | cgtatcttta  | tgccaccgga  | agtttctttg  | cccaaacag   | gcaacgtctc  | 2521980 |
| tataaaacat  | gaaggcaaat  | acagaaaaac  | gtcccgcacat | tttctgaaaa  | tttgtacaaa  | 2522040 |
| tcattagatt  | ttttgtacaa  | aaaataaagt  | agttctgtaa  | agcttggtga  | gaaagcacct  | 2522100 |
| caatagtatt  | cagaaattct  | acagctattc  | aagccatcac  | atggcataga  | aataaaatcc  | 2522160 |
| gacagattga  | ctttcctgaa  | taaataaaaag | ccgaagagag  | agaggagaac  | gttaaaaaaac | 2522220 |
| attataagca  | atatattttt  | tattcagctt  | ctattcattt  | aaaataataa  | tatatatctt  | 2522280 |
| agtagaaaaga | taacaaaata  | aaaatatacg  | aaaaaaacac  | atctgtagct  | acacacagca  | 2522340 |
| aaatacaaaag | actatacgag  | atcatccgct  | tgctacaaat  | acaaagacta  | tacgagggtac | 2522400 |
| atactttaaa  | taaatcataa  | ccttaaataca | agaataaagt  | attaacctta  | attgtttaac  | 2522460 |
| tatgcaaaaag | cgatcatttc  | tagtagtcac  | aatgttcctg  | ataggaatgt  | tcttgacggg  | 2522520 |
| gatttatgct  | cagactatta  | ccgtaactgg  | taatgttacc  | agcaaagaga  | tgggcgatcc  | 2522580 |
| tctcattgga  | gtaaagtgtat | tagtaaaagg  | gaccactaat  | ggtacagtaa  | ccgattttaa  | 2522640 |
| cggtaattat  | tcaattactg  | taggacccaa  | tgacgtgctg  | gtcttttcat  | atatcagcat  | 2522700 |
| gaaaaccggt  | gaggagaaga  | taaatggaag  | aaagacaatc  | aatgtatcaa  | tgggtttcgg  | 2522760 |
| tacggaaact  | ttaggtgaag  | tcgttgtaac  | ggcaatgggt  | atccagcgcc  | aatcggaaac  | 2522820 |
| gctaacttat  | tctgcacaga  | cagtgggcgg  | cagtgcgta   | aacgacatca  | agagtgtgaa  | 2522880 |
| catgatcaac  | tctctgcaag  | gcaagagtgc  | cggtttgatg  | attactccga  | actctactgg  | 2522940 |
| tgccggcggt  | tcttctaaaa  | tcttggtccg  | tggttaacaag | tctatcagcg  | gtagtaacca  | 2523000 |
| gccgttgatc  | gtagtagacg  | gtgtaccggg  | aatgaacagt  | gtttccgggtg | cacaggtaag  | 2523060 |
| cagcaactat  | ggtggtgaac  | gagacgggtg  | tgacgtgatg  | tcgaccatca  | atccggatga  | 2523120 |
| tattgcctcc  | atcaccttac  | tgaagggtgc  | ttctgctgcc  | gctctgtatg  | gtgccgtagc  | 2523180 |



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| tgtatccagc | aatactacga  | tggaaacacc  | aatggtgtta | ccggaattcc  | agaacatcta  | 2523300 |
| tggaatgagt | gacaacggta  | catacagctg  | gggagacaag | ctctcgactg  | aagcaccgaa  | 2523360 |
| ctatgcaaaa | gaattttatc  | gtacgggatt  | tacaacgaac | aactctgttt  | cgctggctgg  | 2523420 |
| cggtaatgat | aatattcagg  | cgtatttttc  | ttacggtaat | gtgtactcag  | aagggtatgac | 2523480 |
| accaagcaat | acgtatcgta  | gccataacct  | gaactcgaag | gtagggttca  | atgtactgaa  | 2523540 |
| gagcgtacac | attgatttca  | gcgcgaaata  | tactaatcag | tatgtaaaga  | atcaggcggc  | 2523600 |
| tgcgggattc | ttgttcaacc  | cgctgacagg  | tgtgtatttg | ttcccaagag  | gtgaagactg  | 2523660 |
| gaattattat | aagaataatt  | acgaggtgta  | cgatatatca | agaggtatca  | atatccaaaa  | 2523720 |
| ctggacgaat | accgggctgc  | aacagtatag  | taaccctat  | tggacactga  | acagacaaac  | 2523780 |
| gccgattacg | gaccgcaacc  | gttatgaatt  | cggcggaagc | atcaagtggg  | atatcaacaa  | 2523840 |
| ggactggaac | atccagggac  | gtatgcgtta  | cgaagaggt  | gaagaacgct  | ggcagcataa  | 2523900 |
| cctgtatgcg | tctagtatcg  | ccaacttgta  | tccgatggga | cgtatgaagg  | ataaccgtta  | 2523960 |
| tttcagcgac | cagctgtacg  | gtgatataatt | gctgagctat | agccatacat  | tcaatgattt  | 2524020 |
| cctggtttcg | gctacggcag  | gttccagctt  | caccaagagt | aagacatcgc  | atgtggactt  | 2524080 |
| atgggcgga  | ggtacgcagt  | ttacttcacc  | gggcaacggt | aacgtgtatt  | atccgaatat  | 2524140 |
| cttcacaccg | aacaactatt  | acggcaacat  | gtctaccatt | ggcaagaatg  | ataactggaa  | 2524200 |
| taccgaaaaa | cgctgaatg   | ccgtattcgc  | tacagctcag | ttcggctata  | aggatggctt  | 2524260 |
| gttcgtcgat | gtatctgtac  | gtaacgactg  | gtcttcagcg | ctggctttca  | cagaaagctg  | 2524320 |
| ttcgttcttc | tatccgtcta  | tcggcggtag  | cttcctgctc | gaccgatttg  | tcgacttggg  | 2524380 |
| caagaacgtg | aacctgctca  | aggttcgtgc  | cagctactct | atcgtgggta  | acgacgtacc  | 2524440 |
| ggtattcatg | agtaacctgc  | tctactcctt  | gcagtcgcag | ggttctatta  | ctcctccgga  | 2524500 |
| aaatgctcca | ttccgtacat  | taaaaccgga  | aaagacgcac | tctatagaag  | ttggcttcga  | 2524560 |
| cggtagattc | ttccagaacc  | gactgacatt  | aggactgact | tactataaga  | cgaatacaaa  | 2524620 |
| aaatcagttc | ttctcggtag  | ctgctccgta  | tgaatcgggc | ttgcgcaacc  | ggtatgtcaa  | 2524680 |
| tgcgggtaac | gtgcagaacc  | agggattcga  | atttacggca | ggatggtagc  | agcagttcaa  | 2524740 |
| tgaaaacttc | agctggagta  | ccgacctgaa  | cttctcgtac | aacgagaaca  | agattgtgga  | 2524800 |
| actggtggat | gacctgcca   | acggactgac  | actgacagac | ttcggcggtg  | ccaagattat  | 2524860 |
| cctgaagaag | gatggctcgt  | acggtgactt  | gtatgtccgc | cacatcatgc  | gtgacgaaaa  | 2524920 |
| cggcaaaccg | atgaaggatg  | ctgcgaccgg  | caacccgatt | gtaagcgggtg | atacaactac  | 2524980 |
| tgatatgatt | tatgcaggca  | acatgaatgc  | gaaattcaat | gccggatggt  | cgaatacctt  | 2525040 |
| ccattacaaa | gatttcactc  | tgtcgttcct  | gatcgacggc | aagttcggag  | gcaaggattt  | 2525100 |
| gtctatgacg | gaagctacgc  | tggacggctg  | gggcgtttct | aaacgaagtg  | gtgaagcccg  | 2525160 |
| taatgcaggc | aaggtagtag  | tagatggcgt  | agaattcgaa | ccgaaagcat  | ggtataccac  | 2525220 |
| aacaggtgcc | agcaacttca  | acagtccgta  | tgccaacgaa | ttttatgtat  | acgacgcaac  | 2525280 |
| aaacgtacgt | ctgcgtgaat  | tgagcttagg  | atatacattc | cgtaatttat  | tcggtgcagg  | 2525340 |
| aaagaacctg | acagcagcca  | tcacgagcag  | taacttgttc | ttcttctaca  | aagatgcacc  | 2525400 |
| tatggaccca | gatgtatcag  | caggtagcgg  | taacggtgta | caagggtgtg  | acatgtttgc  | 2525460 |
| gttgccaacc | tctcgcagct  | ttggtctgaa  | tttgaaactt | aacttctaaa  | atgcctgatt  | 2525520 |
| atgaaacgaa | ataaaaattta | tcaatatgcc  | attttgttgg | ctcttccttg  | gttaggaggt  | 2525580 |
| aacttgatga | cttcatgtac  | agatagtttt  | gaagatctga | acacaaacag  | tgtacaagtc  | 2525640 |
| gacccaaatg | atctgccttt  | ctctgcacaa  | tgtgccgaac | cgatgcagta  | ctgctatccg  | 2525700 |
| ccgcagcaga | atatgttcca  | gttctggact  | aacctgacca | tcgacttgta  | cagcgggtat  | 2525760 |
| ttcatgacac | caaacggtaa  | ctttaccaac  | ggggatatgg | gagaaaaccg  | tggacatagt  | 2525820 |
| ggaggtagt  | acgaaaatta  | ttacttgac   | atcttcaata | atacacgccg  | tatcattgcc  | 2525880 |
| gactgtgacc | agaaaggaa   | gttaggattg  | tctggtgtaa | tgcgtatcgt  | acaagcgtat  | 2525940 |
| ggtacactga | tgacgactga  | tgcttatggc  | cctctggctt | acagctcaat  | cctgtcgggt  | 2526000 |
| gaatatgaat | cgtattatcc  | tttcgacagc  | cagcaacaat | tattcgtttc  | catgtttgca  | 2526060 |

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| gctacttttcg | atatctgggtg | tagtgcagat  | acggacttgt  | ggataaagat  | tgccaataca | 2526180 |
| ttgagactgc  | gtatggcact  | ccgcctgtcg  | aaacgtgaag  | cagaaatgaa  | ggaagccggt | 2526240 |
| attgacttga  | agcaggtggc  | aacagaagct  | gctgccaaca  | cgctggcaac  | ggtgaacaag | 2526300 |
| gacatcgtca  | tcgacaagag  | tctggaaaac  | gaaatgtggc  | tgatgttcaa  | ctggggtgac | 2526360 |
| tgcggtttca  | acgcgaacct  | ggttacgttg  | atgtcgggca  | tgaaggatcc  | gcgccagccg | 2526420 |
| ctgtacatga  | ccaagaacac  | tgccgatgta  | atcgatctga  | atggtaaagt  | agccgtaccg | 2526480 |
| gctaatacac  | aatacttagg  | tatccgcttt  | gcaagtggtc  | tgccgggcaa  | gccgaacaac | 2526540 |
| tgggcgaatt  | tctctcagtg  | gatcgacccg  | cagaacagca  | tcggtgtcta  | ttccatgccg | 2526600 |
| ctgcctatct  | tcaaggctgc  | cgagtcttac  | ttcctgctgg  | ctgaagcaaa  | attgcgctgg | 2526660 |
| gacatcgggtt | cagcaagtgt  | acagagcctg  | tacgaggatg  | gtatccgtgt  | ttccatggca | 2526720 |
| aacgaactga  | gctaccgtgg  | caagtatgcg  | ggtgtaagtg  | cctacgaaga  | aggtgcagtg | 2526780 |
| gatgcttaca  | tcaacggtac  | gactactcaa  | attgatttgc  | tcgatccagt  | agatccgaaa | 2526840 |
| ctgaatactc  | cggctgtaaa  | caaactgtgc  | gtaaaatggg  | atgaaagtgc  | cgacaaggaa | 2526900 |
| gctaaactag  | aacgtatcat  | cacacagaaa  | tactttgcat  | tgttcccgtt  | gtcaatcgag | 2526960 |
| gcatgggctg  | aacagcgccg  | taccggctat  | ccgcactctgt | tcccggctta  | tgtagatgaa | 2527020 |
| agtaacggag  | gcgtaaacaa  | ggaagaaggt  | ctgcgtcgtg  | tcactctacag | cagcaatgct | 2527080 |
| tatgatacaa  | atgctcaagg  | tatcaccatg  | ggtctggaac  | tgctgaacaa  | ggaaaatacc | 2527140 |
| agcaagaacg  | gtatctcggg  | cgataagggt  | ggtacacatc  | tttggtggga  | taatgccaat | 2527200 |
| aaaggaaact  | tctgatacat  | aactgtcttt  | ttaaagcggg  | tgagcctgaa  | aagctcacc  | 2527260 |
| gctttttttt  | gcaggactcc  | gtccggcggg  | aaacgtgact  | gcctccaccg  | cgaggcctac | 2527320 |
| ggaaacggta  | tttgcgaaaa  | tatttacaga  | aagatgcaca  | aatttcgttt  | gactggtctg | 2527380 |
| atatttttata | ttagctttgt  | aaacaaagag  | aaatttcatg  | atgaaagact  | atactatcgc | 2527440 |
| cgtagcggga  | acgggttatg  | taggcctgtc  | catcgctact  | ttgctgtcgc  | aacatcaccg | 2527500 |
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| gctcgacggg  | gctttggctt  | accgggaagc  | ggactttgtg  | gtgattgcgg  | ctcctacgaa | 2527680 |
| ctacgatccg  | gtgaagaatt  | atttcgatac  | gtcgcacgtg  | gaggagggtca | tcgacctggt | 2527740 |
| gctggagggtg | aatccggatg  | cgggtgatggt | catcaagagt  | accattccc   | tggggtactg | 2527800 |
| ccgcagcctg  | tacgtgaagt  | atgcggaaaa  | gttccgtacc  | tctcctgccc  | tggcgggaaa | 2527860 |
| gaagtccaac  | ctactgttct  | cgccggagtt  | cctgcgtgag  | agcaaggcgc  | tgtacgacaa | 2527920 |
| cctctacccc  | agccgcatca  | tcgtgggatg  | cccgaagctg  | atagagggac  | gcgacgagga | 2527980 |
| gaacaggggc  | attcaggcca  | tcgcaggcga  | gcactctggaa | gagaaggcgc  | acgagtttgc | 2528040 |
| ggcgttgctt  | caggaagggg  | ctatcaagga  | aaacatcgat  | acgctattca  | tgggactgaa | 2528100 |
| ggaggcagag  | gcagtgaagc  | tgttcgccaa  | cacgtatctg  | gcgctgcgtg  | tcagctattt | 2528160 |
| caacgagctg  | gatacgtatg  | cggaggtgaa  | gggactggat  | acgcaggcca  | tcattcaggg | 2528220 |
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| ctactgtctg  | ccgaaggata  | caaagcagct  | cctggccaac  | tatcaggatg  | tgccggagaa | 2528340 |
| tctgattcag  | gcgattgtgg  | agagcaaccg  | tacacgcaag  | gatttcattg  | ccgatcaggt | 2528400 |
| tctgaagaaa  | gcgggggtatt | acgattatta  | taatcacggg  | gactataatc  | cgcaggagga | 2528460 |
| aaaggaatgt  | gtcatcgggg  | tgtatcgctt  | gacgatgaag  | tcgaacagcg  | ataatttccg | 2528520 |
| ccagagttcc  | attcaggggg  | tgatgaagcg  | gatcaaggcg  | aaaggggcga  | ccatcatcat | 2528580 |
| ctacgaaccg  | acgctggagg  | acggaacgac  | gttcttcggc  | tcgaagggtg  | taaacaacct | 2528640 |
| ggaggagttc  | aagaagagat  | cgcaggctat  | catcgccaac  | cgctacgatg  | cgtgtctgga | 2528700 |
| cgacgtgaag  | gagaaggtgt  | atacacggga  | tattttccgc  | agggactagc  | accgacgagg | 2528760 |
| atgctttgtt  | ccgacgaaca  | acaagactga  | agactaaata  | aaagacaaac  | agaacgaaac | 2528820 |
| aaacataact  | aaagaccgaa  | tttatgaaaa  | gatattgtca  | gacactcgac  | ctctacgacg | 2528880 |
| acaaggagct  | gatagaggcc  | tacgtggcag  | aacatgcgca  | cgtgtggggag | gaagtgaagg | 2528940 |

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| tcatgatcat  | ggatacgacg  | gacgagtttg | atatggagcg | tgactatgcg  | cgactggcta | 2529060 |
| cgctgcctcg  | tcaggcggaa  | tgggaagagc | acatgtccaa | gtaccagaag  | gtgcttccgg | 2529120 |
| gacagacttc  | gcaggaaaaa  | tggaaactga | tggagcgat  | cttcaagctt  | taatgcggag | 2529180 |
| aaaaatcttt  | ttttcacggg  | tgtgagaaaa | aaattttttc | agaagcgttt  | ttttacgaag | 2529240 |
| ggggatatag  | accatccaaa  | agcacactgt | tttacagata | gttacagaag  | cctattcttg | 2529300 |
| aaaagggatc  | ggcttctttc  | gtgtctggga | aagggaaata | tcgttttttt  | cgaaaaaaat | 2529360 |
| ttcattcagg  | cataggggtt  | tttccggggg | gctgcgttat | ctagtcaaaa  | tcacctagct | 2529420 |
| aagtgacttg  | aaaaaaciaa  | gtgatttgaa | aagaaacagt | atcaaccaat  | taaaaaacta | 2529480 |
| gacattatga  | aaattaaact  | tattacatta | tctttgtgtt | tattcgctgg  | tgtaattttg | 2529540 |
| gcaaaggctc  | aggaaacaag  | taagaacttt | actccttcgg | aaaacaagca  | tgagttccgc | 2529600 |
| ctttcggtta  | gtgacggact  | gactcagagc | acagtcgacg | tactgggtat  | cggactaggt | 2529660 |
| gacgcgatta  | ccggaagcaa  | gcgacgacg  | cagaagtcga | ccatggtata  | cggactgggt | 2529720 |
| taccgctatg  | caactgaaccg | cttcaaggta | ggtgccgacc | tgggattctc  | gcagactagc | 2529780 |
| agcaagctga  | tgctggcagg  | agaaacggct | ccgtctatca | aggaaaagga  | actgaacttc | 2529840 |
| ctgggtattgc | ccacagcgga  | atttacatac | ttcaagcgta | gactgggtgga | actatacggg | 2529900 |
| agtgtctcgg  | caggtgtgag  | cctgaaacgt | cactcggaaa | caggactgac  | agatgcaggc | 2529960 |
| aagaaggcgg  | cacaaaaaac  | agacttaaat | gcagcatttg | cttatcaggt  | aaaccctatc | 2530020 |
| ggtttaagag  | taggtaacga  | ccgtatcggt | ggtttcgtag | aagccggaat  | gggtcacaa  | 2530080 |
| ggattcctga  | cagcaggtgt  | aagcgtgaaa | ttttaattaa | cccttaaaat  | agaacgcaga | 2530140 |
| cgcgataaaa  | tgaagccta   | tagaaaggaa | atattcaaat | ccagatttca  | ggagcattat | 2530200 |
| ccgaggctgt  | gctgtatagc  | ctgcggatat | gtttcggaca | aggaggatgc  | ggaagatatc | 2530260 |
| gtgcaggagc  | tgtttatcag  | cgtgtggaac | aaggggctgg | acagcttgct  | cgaccaggag | 2530320 |
| ttcgccgcct  | acatgacgac  | tgccgtaagg | aacagctgta | tctcgtttct  | gagaaaaacg | 2530380 |
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| gacgacgaac  | aggatgaaaa  | gtcgccggaa | gaggtgtctg | aatcggcact  | ggccacactg | 2530500 |
| ccgccccgat  | gcaaggatat  | tttcctaatt | gctaaacttc | agggaatgaa  | gtatcgcgaa | 2530560 |
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| aagatgctgc  | gggcgtacgt  | ggccaaacat | ggactggcac | tggctacggg  | tgtggtcatc | 2530680 |
| attttatcaa  | tcatcgtaaa  | ttgtgagtag | gatatgaatt | gcaaagagga  | tataaatgaa | 2530740 |
| ttgcttgcca  | ggtattttgc  | caaggaggag | ctgaccggaa | ctcagcagaa  | ggttctggat | 2530800 |
| gaatggattt  | cggccaatgc  | agaggagttt | gaacgcatgc | ggaagttgat  | ggaagcaccg | 2530860 |
| gtaaagggtc  | ccgacaagac  | ggatttcgac | gcggaacagg | cgtggaggaa  | ggtggaagcc | 2530920 |
| aagctggaaa  | acaagtcgtt  | ctggctggga | gtaaggcctc | atatcgttac  | ggtgatctcg | 2530980 |
| gtggctgcct  | gcgtgctatt  | tgccgtggcc | atgacaacga | cgtattttct  | gcacaagcag | 2531040 |
| gaggagaagg  | acttcatcaa  | gtatgccaac | gtgggactgc | ggctgaagca  | gttcatgctg | 2531100 |
| cccgcacagc  | cggagggtgat | tctctacccc | aacgcgacgc | tggcattcaa  | ccaagcggac | 2531160 |
| aaggagcagg  | gacgcattgc  | acggctgaag | ggaaaggctt | tcttccgcgt  | gaagagactg | 2531220 |
| cacggcattc  | ctttcaagggt | ggaaaccgaa | aggctggacg | tggaaagtact | gggtacatcg | 2531280 |
| tttctggtaa  | atgctacgga  | tacggaacag | aacggcgat  | tcgtcaagac  | cggaagggtg | 2531340 |
| cgggtaagcg  | acaacgagga  | caatgtggtg | attgtggcca | acgaaaagggt | ggaactggaa | 2531400 |
| cagggaaaaac | tgaagggtggg | cgtgatagac | aatccgcagc | agctcttcgg  | acaagataaa | 2531460 |
| ttaatgatga  | tatttgataa  | tgctccgata | cagcaagtgg | taaaggagat  | tgaacagaaa | 2531520 |
| acgggtatac  | ggatcgatct  | ggacaaagga | ctggaaaaga | acctgatcac  | taccgggata | 2531580 |
| gacagtgaca  | acgatatgga  | aatagtccgt | gaactggctt | tcctctgcgg  | atgcagctac | 2531640 |
| gaaatggtgg  | aagaaggaa   | acactacaga | ctgtacaatg | agtaatgggt  | aaactgaaac | 2531700 |
| tgtgcctcat  | actggcggta  | actgttgctt | tatgcggaat | gaccggagta  | tacggacaag | 2531760 |
| agtccggacc  | ggcgcacacg  | gtagcagaag | aaacgttgca | agtcgacgct  | tcttctgcta | 2531820 |

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|             |             |             |            |            |             |         |
|-------------|-------------|-------------|------------|------------|-------------|---------|
| ctgtgcttca  | atggttttcac | cggatagagc  | gcgagaagcg | tatcgtgctg | tcgtacaacg  | 2531880 |
| cgctactcat  | cgatctgaac  | aggggtgatca | gagttgagaa | ggcacggcgg | atgacggtgg  | 2531940 |
| ccgaactgct  | ggaggtggtg  | ctcgacggat  | atgtgttcaa | gacggacttc | atcccgcgcg  | 2532000 |
| gcaagctggt  | gattcaggtg  | cgcgagaagg  | agaacttcta | cgtgagcgga | acggtgttcg  | 2532060 |
| aggagggcag  | caaggaacgg  | ctctacgggg  | ccgtggtgtc | gctggaagac | ggcaagggaa  | 2532120 |
| agcagtggaa  | ctgtatctcc  | gacggaaacg  | gggtgttcaa | gctgtatgca | ccggagggta  | 2532180 |
| cgtacaggct  | tacggtatcg  | tacatgggct  | acagcccgtg | caaccggcag | gtcaggggtg  | 2532240 |
| acaaggaccg  | ctttgtcacc  | gcacagctgc  | aaccgctgtc | gttcgagatg | gaggaagtaa  | 2532300 |
| cggtggaatc  | ggaaaagcgg  | agcgaagagc  | tgggagaact | gacgccttcg | aacatgcttg  | 2532360 |
| ccttcagcgg  | gaatgacctc  | ttcgcccaga  | tatggattct | gccgggggtg | acttcacatg  | 2532420 |
| tggcgggaag  | caactttcag  | gtggacggcg  | gaagctccga | cgagaaccag | ttcctgctgg  | 2532480 |
| acggggtgcc  | ggtgtttcat  | ccgggacata  | tcaactcgct | actgccggta | ttcaacggcg  | 2532540 |
| acgcggtgaa  | gaacatggtg  | tttcacaagg  | gattcttcga | tacgcatctg | gaggggaagac | 2532600 |
| tttcgtcggg  | gacggaggtg  | aacctgaagg  | aaggcaacaa | gcagaagcat | gtgggtacgc  | 2532660 |
| ttacgctgga  | catgccggct  | gcctcggcta  | cgctggaggg | acctatcatc | aaggacaagc  | 2532720 |
| tgctgtacat  | gttcagtgcc  | cgaaggagct  | ggctggattt | cttcgaccgg | ctgtttctcg  | 2532780 |
| aagacaaccg  | cctgaaccat  | gcttcgtacg  | actacaatgc | caagctgtct | tattcccttt  | 2532840 |
| cgccagtcag  | ctcgtcagc   | ttcctggcct  | acggagcacg | cgacgactat | cacttgccgc  | 2532900 |
| tgctcagtga  | agacgagaac  | acgtcgggtg  | tgcgtggga  | gaatcagggt | tatcagctga  | 2532960 |
| cgtaccagac  | gcaggcggga  | aaactgggca  | accgtacctc | gctattctac | tcgtcgcatt  | 2533020 |
| ccaaccgggc  | acggagtga   | atgctgggag  | tggagggcga | cggatacatc | cgcagcggca  | 2533080 |
| tccgctcggg  | caacgtatcg  | acggagtctg  | actatacgtt | cgagaatatc | taccgtgcgc  | 2533140 |
| agtggggagc  | caaatactcg  | cacgaggtgt  | acgaccttgc | ctcgttcgac | ggacaggagg  | 2533200 |
| cccttcgcca  | cgaaccggtg  | actcaggcat  | cgctcttcta | cgacaaccat | gtgcgcatca  | 2533260 |
| cgccccgcct  | ctcggtagag  | ataggcggtc  | acggcgtagc | ctacctgcca | cgcaaccacc  | 2533320 |
| gctcgtatta  | cagcatccag  | ccacgcatgt  | cgctgaaata | cttcccgggc | gaaaaagacc  | 2533380 |
| tgctgtacct  | caacttctcg  | aagatggagc  | agttctacca | ttgcctgagg | ctgttcagct  | 2533440 |
| gggacatgcc  | taccgatttc  | cgcgtgcca   | gcacgcagcg | gtacaagccg | cgcacatcgg  | 2533500 |
| aacattacga  | ggcgggatgg  | aaacatttcc  | tgaacaacgg | aatgctggag | gtatcggcct  | 2533560 |
| actacaagac  | acggcgcaac  | gtgggtgccc  | tgcgtccgga | ggtgttcgtg | gaagacggac  | 2533620 |
| agtggggaga  | gtatatcatg  | gtgggaaaag  | gcgacagcta | cggagcgagg | atgtacttct  | 2533680 |
| acaaggactg  | gaagcgatgg  | aagctgcaac  | tgctgtacac | gtacgcacgg | acgcgggaat  | 2533740 |
| ggtttcccga  | actggcggcc  | aacggcaaga  | tgccttcgct | gtacgacata | ccgcaccagc  | 2533800 |
| tgaatgccgc  | cctgtcgtac  | cagttgaatg  | ccggttcgct | cttctccgtg | ggaggcatga  | 2533860 |
| tgcgctcggg  | caaggtcatc  | gacctcgacg  | agaacttcga | cccgtgccc  | gcctcggagt  | 2533920 |
| tcagacagca  | ccgcctgccg  | atgaactacc  | ggatagacgt | gggctattct | taccggaaag  | 2533980 |
| cgttcggcga  | aaaactcctg  | tcgctgcgtt  | tcgggctgta | taacgtactg | ggaaatccgc  | 2534040 |
| ccgaagagga  | tgtgctgaac  | ttctactccg  | tacactggaa | gagcaactgc | ctgccctatg  | 2534100 |
| cgggtatcag  | tttccgcttc  | tagtacaagt  | acgaacgcta | cgcgctcact | tcatgcgggc  | 2534160 |
| ggcacactcg  | cggcacaccc  | ctttaccat   | gtagttgatg | ctgttcaggc | ggaacccttc  | 2534220 |
| gggcaggtcg  | atgacgggga  | tatggatgga  | gcggaagcag | aacgtgcggg | gacacacctc  | 2534280 |
| gcagtagaaa  | tgcgtgtgca  | tgtcgtctac  | gctgcatgta | tcttcgtcgg | gacagacctc  | 2534340 |
| gtacttgagc  | gagccgctgc  | cgtcctcgat  | gtcgtgcacc | aggtgatgag | ccaggaacag  | 2534400 |
| gttcagcggtg | cgggaagatgg | tagagcggtc  | gacggtggca | agcatcggtt | ccagctcgat  | 2534460 |
| gagcgacacg  | gcacacgagg  | cctccatcat  | cgccttcagc | accaggatgc | gcacggcggt  | 2534520 |
| aggcttcacg  | cccttctttt  | ccagcctctc  | ggcataaatt | tcattttgtt | ccatgacgtt  | 2534580 |
| tttagtatatt | ttctgcgggt  | ctttgcggca  | aagatacaca | tttcctattg | caaccgggtt  | 2534640 |
| gcatccagggt | cgcccgtata  | atggataggc  | tggcgggttc | gcacgcacac | atggatgttc  | 2534700 |

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|            |             |            |             |             |             |         |
|------------|-------------|------------|-------------|-------------|-------------|---------|
| gacgagccgt | cgctcgtagac | atcgaccgaa | aactcgaaat  | tgtcctcgct  | ggtagtggcc  | 2534760 |
| tcgaagtga  | tctggtaacg  | gtctttcttg | aactcgcagg  | aataattctc  | taccggagcc  | 2534820 |
| ttgaagcgca | gtccctctcc  | tccccgtaa  | ggaatctggt  | aagccctgcc  | gaagtacggc  | 2534880 |
| agacagacat | ccacggaatc  | cttcttcac  | tgaagtccgt  | agggggtaga  | cagcggaatg  | 2534940 |
| ctccttccgc | tcatggggta  | tgccatgtcg | gcatcaatct  | tgaaggtagc  | ggcttccacc  | 2535000 |
| tgctcgtcga | cgtaagcctt  | gagctcctcc | ttcttctcct  | cacgggtctg  | cgccaccgac  | 2535060 |
| gtacctgccc | acagcaggaa  | gagcgcggcc | atccaaacaa  | atcggaatgt  | tttcatatac  | 2535120 |
| gaatctcctt | tctgaaaaaa  | atctgtagat | tgaacaggcg  | caagataaac  | aaaaaaaaatc | 2535180 |
| tgttatccat | ccccacggcg  | gagaatgaac | aacagattta  | atttaaattc  | agttatataa  | 2535240 |
| cattaccgaa | cctgaataac  | caggtagcga | gatacactcc  | agaactgggt  | aggattggta  | 2535300 |
| atcttcagaa | taatctgtcc  | tttgtcgtct | ttggcaagtt  | cgtacgaacc  | ggcaggatga  | 2535360 |
| gtagtcagca | aggtagcacg  | tttagagtac | agcttgattt  | ccttatcctt  | gcggatatcg  | 2535420 |
| atttctgtaa | agtaatcctt  | gttgaactcg | ttgtccttca  | gcacatcgcc  | acggttcaga  | 2535480 |
| atcttctggt | cctttaattc  | agacttggtg | ccgaatacat  | accatgcagt  | gttgagcgcc  | 2535540 |
| ttgtcctgag | cggcaacggt  | ctgagccttc | gcctcgtttt  | cggcagtcag  | ctggtcaacg  | 2535600 |
| ttcttgttca | ggtcggaaac  | agcctcatcg | agttcggcga  | tacggatgtt  | cttagaagcc  | 2535660 |
| agttcagcct | gcagggtttc  | aatctgacgc | tgtttttctt  | ccagctgtgc  | agtcagggtt  | 2535720 |
| ttgatagcct | tcttgagctg  | tgccgactgg | tagttgctat  | tcttgagctg  | cttctccagt  | 2535780 |
| ttggcaatct | cttcgcggtt  | cgatttcagt | ttctcgtgta  | tgaacgggat  | atcttcctta  | 2535840 |
| atcttgtctg | cgctcgattt  | gttttcgatg | gcatcgccctg | taaggtcgac  | acggttttca  | 2535900 |
| gcttcgttga | tttcgcggaa  | accttcctgg | atttcattga  | atgaacccat  | tatttcaccc  | 2535960 |
| agttcggcat | cacggtttga  | cagctcgacc | atcagtgaat  | cgttctggag  | cttcaacgcg  | 2536020 |
| tctttactct | gaccggaatt  | gttgacgaa  | gcaagtacgg  | ccgcagcaca  | taacgaaaat  | 2536080 |
| aaaacaactt | tcttcatagt  | ttctatctgt | ttagaattta  | taaattattc  | ttcttttccc  | 2536140 |
| gccagtacga | taacgatttc  | ccctctcggc | tcgttggccg  | tgaagtgtgt  | caccacctcc  | 2536200 |
| tgcaagggtc | cccgtacact  | ttcttcgtgt | atcttggaga  | tttcgcggca  | tacggaaacc  | 2536260 |
| ttccgttcgg | ggccgaacag  | ctcggcaaac | tgtgtcagtg  | ttttcaccag  | ccggtaaggc  | 2536320 |
| gactcgtaga | aaatcatcgt  | gcgtgtttct | tccgtcagtg  | cgttcagccg  | cgtcatccgt  | 2536380 |
| cccttcttct | gcggcaggaa  | gccttcgaag | cagaaacgtt  | cgtcgggcag  | tcccgaagcc  | 2536440 |
| accagcgccg | gcacgaaagc  | agtcgctccc | ggaaggcact  | gtacctcgat  | gtcgtttttc  | 2536500 |
| acacattcac | gtactacgag  | gaagcccggg | tcggatatgc  | ccggtgtccc  | cgcgtccgat  | 2536560 |
| accagcgcg  | ttgtttctcc  | tgctttagag | cggttgatga  | ttccttccac  | aatcttgtgc  | 2536620 |
| tcattgaact | tatgatacga  | ctgcatggca | ttctttatct  | cgaaatgctt  | gagcagaatg  | 2536680 |
| cccgcagtgc | gtgtatcctc  | ggccagcacc | agatcggcct  | ccttcaatat  | acggatcgcg  | 2536740 |
| cgaaaggcca | tatcctccaa  | attgcctaca | ggagtaggaa  | caacgtataa  | tcttcccata  | 2536800 |
| caatgtttca | attgttaatt  | gagcaaagat | aggaagtttt  | taatctcact  | agttaatttg  | 2536860 |
| ccccaatatt | taacagttgt  | tgtatattaa | aatagcgaaa  | aacggaaaaat | tcggacagaa  | 2536920 |
| gataaagctt | attagcatca  | caaattgtat | ttttgcacaa  | aatttttagac | caatggttgt  | 2536980 |
| tttttcagaa | gatcatactc  | atgaaacctg | ccgcagagga  | agaatagaag  | tcatctgcgg  | 2537040 |
| ttccatgttt | tcgggcaaga  | ccgaagaact | gatccgccgc  | ctgaaacgcg  | ccaccttcgc  | 2537100 |
| ccgtcagcga | gtggagatat  | tcaagccggc | catcgacaca  | cgctattcgg  | aagagggaagt | 2537160 |
| ggtgtcgcac | gacaataatt  | ccatcccctc | tactccggta  | gactcgtcgg  | caagcatctt  | 2537220 |
| gctgttcagt | tcggaaatag  | acgtggtggg | catagacgag  | gcccagttct  | tcgacgaagg  | 2537280 |
| gctgataaac | gtgtgcaacg  | aactggccga | ccgcgggggtg | agagtcatca  | ttgccggact  | 2537340 |
| ggacatggac | tttaaagggtg | tgcttttcgg | accgatacct  | gccttgtgtg  | ccatcgccga  | 2537400 |
| cgaagtgcag | aagggtgcag  | ccatctgtgt | gaaatgcggt  | gacctggcgt  | acatctccca  | 2537460 |
| ccgtaccgtt | gccaacgaca  | agcgggtgct | gctgggtgaa  | aaggagggaat | acgagccgct  | 2537520 |
| gtgcagggtg | tgttaccgca  | aggtactgga | ggagggaagg  | aaaatctgat  | cttcccgaatt | 2537580 |

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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
| cgggcgtagc  | cgtccggttc | aggagaacgc  | gcccgtaagt | acaatgtatt  | tttacaaagc  | 2537640 |
| gtgcgccgtt  | gaaaatcagc | aatatgtaag  | aacagctgaa | aattatttca  | aaaaaatatg  | 2537700 |
| ccagaatatt  | tggcagattg | atacaaaaca  | tctacctttg | cactcgcaat  | caggaaatga  | 2537760 |
| ctgcaaaaca  | ggtttgattc | gctagctcag  | caggtagagc | acaacacttt  | taatgttggg  | 2537820 |
| gtcttgggtt  | cgagcccca  | gcggatcact  | caaacaaaa  | gcaaaacaat  | gaaaaccgct  | 2537880 |
| gataatcaat  | cattattagc | ggtttttctt  | tttatccata | ctgcaaattg  | aggcagaata  | 2537940 |
| cgccatccca  | aaggaggtga | aataggtgga  | cttgattttc | acttaaaaa   | agtccaccta  | 2538000 |
| tatgtatcat  | atttcactga | ttctctgtgt  | cttgcatgat | gcaaactctt  | ttcaaaacat  | 2538060 |
| gtaattttac  | accaactaaa | aaacaaagag  | tatggcaatg | caaagaaact  | attttacggt  | 2538120 |
| attgtttttc  | ctgaaaaaat | caaagttact  | taaaaatgga | gaagcaccaa  | tctgtatgcg  | 2538180 |
| tattacaata  | aacgggaaac | gtgcgagat   | caaatacaag | agaggcatag  | atgtcgcgaa  | 2538240 |
| gtggaatgcg  | caaaaggaat | gtgcgattgg  | caaggaaaga | aagtatcaag  | aaataaacca  | 2538300 |
| ttatcttgat  | acaataagaa | ctaaaatcct  | tcaaatcac  | cgtgaacttg  | agcaggatgg  | 2538360 |
| taaaccaatt  | acagcagata | ttataaaaa   | tatctactat | ggaggacact  | ctactcccaa  | 2538420 |
| aatgttactt  | gaagtattcc | aggaacacaa  | tctggagtac | cgggaattaa  | tgaacaagga  | 2538480 |
| atatgccgag  | ggaactgtac | tcagatatga  | acgtactgca | agatatttga  | aggaatttat  | 2538540 |
| cagtgaactg  | tataacttga | ctgatattcc  | attaaaatca | atcaattatg  | aattttataac | 2538600 |
| caagtttgaa  | catttcatta | agatacagaa  | aaactgtgcg | caaaatgcga  | cagtgaagta  | 2538660 |
| tctgaagaat  | ttaaagaaaa | tcatcaaaac  | tgcattgatt | aaaaagtgga  | taactgatga  | 2538720 |
| tccgtttgct  | gaaatacatt | tcaaacaac   | taaatgtaac | cgtgaatttt  | taaacgagac  | 2538780 |
| tgaactacgt  | aagattatca | acaaagattt  | tgatattcag | cggttacaaa  | cggtaagggg  | 2538840 |
| cattttttatc | ttctgctgtt | tcacaggctt  | ggccttcaca | gacgtaaaga  | atctgaaaaa  | 2538900 |
| ggaacacctt  | gtacaggcag | ataatggtga  | gtggtggata | agaaaagcaa  | gggaaaagac  | 2538960 |
| cgataaatatg | tgcgacattc | cattgtttgga | tataccaaga | cttatttttag | aaaaatatca  | 2539020 |
| gtcaaatacca | atctgcaatg | aaaaaggatt  | attacttcct | gttcccagca  | accaacgaat  | 2539080 |
| gaacagttat  | ttgaaagaaa | tagctgatgt  | atgtggcatt | caaaagaatc  | tttccacaca  | 2539140 |
| catggcaaga  | catataattt | actattactt  | attgagaata | aggaattttac | aagattttatt | 2539200 |
| ttttagacag  | gtaacgggtt | ggaaacgagt  | agacttcttc | aatcacctg   | cttttgcata  | 2539260 |
| aaataaaaaga | acacttattt | cagaatcaaa  | gatagaaaaa | ttctctatca  | tagcaaataa  | 2539320 |
| tatactgaga  | aaaatctcgt | gaaataacgg  | atacaagatt | aacaattaat  | ataaatgtta  | 2539380 |
| atgatgcaaa  | cttcattttg | tatatccttc  | aatctatctt | ggtctaattt  | caatttttta  | 2539440 |
| ccattaacta  | caacataatt | ttctccta    | tcacttatat | ggttcgcatt  | aacaatacaa  | 2539500 |
| ttctcgctaa  | tagtaatcat | tttatttagt  | gacattagtt | gttttattgc  | ttttttaatt  | 2539560 |
| gggatactta  | aagggaaggt | cctttgctca  | gatacataga | caactgaagt  | tttatcgtct  | 2539620 |
| ccttctgcat  | acaaaatttc | attagcttca  | acacaagcat | acccttcttt  | atcttcaatc  | 2539680 |
| attgcatatc  | tttttctatt | agtttcctta  | attgatttgc | ttctttctgc  | tttaattctta | 2539740 |
| cttaagatca  | catttttctg | cctcattatt  | gagtgtttat | tttttatttt  | tctgactttc  | 2539800 |
| ttcatatcct  | attcaagatt | aatgcatac   | tgactatatt | aagaatcgta  | atccaatgat  | 2539860 |
| aaatagctga  | atatctttga | tacaacattt  | tgtaaagaa  | gcaatcttcc  | attattgctt  | 2539920 |
| aaccagattc  | ttacaatatt | ttgcagtatc  | tcgcgagtc  | gattccctgt  | tactctacaa  | 2539980 |
| atgtaaagct  | ttattttgaa | atacaagaag  | atgctttgtt | tttttgctcc  | actattagaa  | 2540040 |
| ggctaataca  | gctatttccc | aaatcgtcca  | gtataatcac | caggtgatta  | ttggattgaa  | 2540100 |
| cgtaaatatta | ttagaatttt | atcatatatt  | attctaccat | ttacctaata  | aacccttttt  | 2540160 |
| agagattaat  | actaatatgt | ttcatatata  | aatattttct | ttcaataactt | taccacacat  | 2540220 |
| ttaattcgat  | tttacaattc | tcgtaagtta  | ggctgctttc | tacaatcttg  | aagtggttat  | 2540280 |
| tacccttgcg  | atgagattca | atacctataa  | attaaacaga | gaataatgca  | aatgggtgtg  | 2540340 |
| gattgtttat  | cccaacccca | aaaggcgga   | atcaaccgat | gctttgcata  | gcaaagcagc  | 2540400 |
| aggagtgaac  | tttgtcgtca | atttgaacaa  | aataattagc | aatggaatcg  | caatggtttc  | 2540460 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| agttctattc  | accgaatata | ttaatgccaa | attaccgaaa | aacataaatc  | caaataaccg  | 2540520 |
| aatattagaa  | ttttcaatta | cctttgtgga | agtaaatagt | ttgatttatg  | gatgggttaca | 2540580 |
| aacttagaat  | aatggatagc | ctgcttgaaa | aggctttgca | ggcaaaaagga | gcggtgttga  | 2540640 |
| tagaaggacc  | taaatggtgt | ggtaaaacca | cttcagccaa | ggagattgca  | gctagcaaaa  | 2540700 |
| tattgttagc  | tcgaactaat | gtaaaaata  | atttcaaaag | cctgttagaa  | atagatacag  | 2540760 |
| atgcggcatt  | gtcgggagat | acaccaatac | ttattgacga | gtggcaaact  | gtacctaaac  | 2540820 |
| tgtggaatgc  | tataagatat | acaattgacc | atcgccgtaa | aatgggacag  | tttatattaa  | 2540880 |
| caggttctgc  | cgttccagat | aaagataccg | aaaatgagag | aaaatattca  | ggaacagggt  | 2540940 |
| gttttgcttg  | tttgacaatg | cgtcctatga | cattatttga | atcgggagaa  | tcaaaccggt  | 2541000 |
| aagtaagtct  | tggaaatcta | ttcactactc | ctgataaaat | actggagaag  | aatgaactta  | 2541060 |
| gattacaaga  | tattgcattc | ttgatttgcc | gtggtggttg | gccaatggct  | gttgggttgc  | 2541120 |
| ccaatgtggc  | ggcattgaaa | caggcattcg | attattacga | tgcagtaacc  | aaagaggaaa  | 2541180 |
| taactaaagt  | agacggggta | aaaagagcat | cagagcgagt | acaacgtttg  | atgagagcat  | 2541240 |
| atgcccgaca  | tcaggaaca  | caagcatcaa | ttgcaacatt | aaaggaggat  | ttaaaaaaca  | 2541300 |
| acgatacagg  | cacacttgat | gatgatacaa | taagttctta | tcttaatgct  | ctacgaaaga  | 2541360 |
| tttttgttgt  | agaagatatg | ccagcttgga | atccaaatct | tcgttcaaag  | acagcaattc  | 2541420 |
| gtactgctga  | tacacgctat | tttgtggacc | catctatcgc | aactgcagct  | ttagggtttg  | 2541480 |
| gtccagcaga  | tttaatgagc | gatttaaaga | caatgggatt | cttctttgaa  | gctatgtgtg  | 2541540 |
| taagagattt  | gcgtgtattt | gcagaagcat | tgaatggaaa | ggtatatcat  | tatcgtgata  | 2541600 |
| aaagtggttt  | agaatgcgat | gcggtagtac | atcttcgcaa | tggccaatat  | ggacttatcg  | 2541660 |
| aagtcaaact  | cggaggcgaa | actttgataa | atgaaggagt | agaaacttta  | acttcattaa  | 2541720 |
| ccaaccaa    | tgacactgaa | cgcattgaa  | cccctgcttt | caagatgata  | ttaacggcaa  | 2541780 |
| caggcgaaca  | tgcttatcgt | cgtccagaag | atggtattta | cattgttccg  | attggatgtc  | 2541840 |
| taaagcagta  | atttaaaggt | aacaaaagat | ggaaaaaata | aaaaactttg  | atataataat  | 2541900 |
| caataaatgt  | ctttgggaaa | taaatccaac | ttcgacgact | cccgatctag  | ataagaacga  | 2541960 |
| ctttttatta  | tctgttataa | atggttttga | agaagggaag | tggagaaaaa  | acgaattcca  | 2542020 |
| taagtttgtg  | atgaacaata | tagcccaa   | tggattgtct | gcggaagata  | gggataatct  | 2542080 |
| ttattcggaa  | tctccataca | caacaataac | agagtctatt | aagaatcttc  | gttttagttga | 2542140 |
| taaagacaat  | ggtaaaggta | gtgaaattgc | agaaattgtt | ttatatggca  | ttatgcgtta  | 2542200 |
| tcactataat  | gctcttcctg | ttgttccaaa | gatattttac | aagcagaatc  | ctaaagataa  | 2542260 |
| tgcgaaagga  | gctgatagt  | tacatattgt | attagacggg | aaaggggatt  | ttacattatg  | 2542320 |
| gttaggggaa  | gcaaagtttt | acaatgat   | cacagatgaa | aggttgtatg  | aaccaataaa  | 2542380 |
| ttctatcttt  | gatactatca | gtactgataa | aataaagaaa | gaaaattcga  | ttataactag  | 2542440 |
| cataaaggat  | ttagaatatg | taattacaga | gcctactgta | aggaaaaatg  | ttcaaacaat  | 2542500 |
| acttcggcga  | gagactccta | ttgacgaaat | aaggaaaagg | ctacatgtcc  | caattctatt  | 2542560 |
| gcttcacgag  | tgtgataaaa | cttataatgc | aacagggtta | acagacactt  | acttagatga  | 2542620 |
| aattaaaagag | taccatctaa | atcgtgccat | ccgctttttt | atgtcacaaa  | ataatcggca  | 2542680 |
| attaaaagaa  | aacatttatg | gctatgagga | tatacaat   | catcttattc  | tttttcctgt  | 2542740 |
| gccccagaag  | gatgaaattg | tgaattggtt | tgtagaacga | gcaaaacaaa  | ttattgaaga  | 2542800 |
| tgcataatat  | tgaaatattt | gaagaatgtg | ctaaaataaa | tagattgata  | gaaaacagca  | 2542860 |
| ataaggcgga  | agcacgttct | ttagtgatta | atttattgga | taaattacag  | aaagaacaaa  | 2542920 |
| ttgagtatac  | ccctcttgct | aatcatttga | taagagaggt | agggtctatat | ccatatatag  | 2542980 |
| attgtaatac  | agcattatgg | gaagaccaag | ttgtcgtaga | agcctttaag  | gccaatgtgg  | 2543040 |
| gtgaagaaaa  | accagttaca | ctacatagtg | ctcaatctcg | tgtactaaaa  | cgacttttag  | 2543100 |
| ccggagataa  | tattgcagta | agtgcacca  | ctagtttttg | taaaagt     | attatagatg  | 2543160 |
| cttttatcgc  | tatccgtaag | cctgaaaatg | ttgttattat | tgttccaaca  | attgctcttg  | 2543220 |
| ctgatgaaac  | acgtcgtcga | attgagcaca | aattctccct | ttattataag  | ataattacta  | 2543280 |
| caactgatgc  | gacattggca | gagagaaaca | tcttcatttt | tccacaagaa  | cgctgttttg  | 2543340 |

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| cttatattgg  | caaattagaa  | agtattgata  | tgctcattgt  | ggatgaattc  | tataaagtaa  | 2543400 |
| gttctatgtt  | tgatgatgaa  | aggagctcat  | cactattaag  | tgctattatt  | gagttaggaa  | 2543460 |
| agatatctcg  | tcagaaatat  | tatttgcccc  | ctaattattca | taaaattgca  | gataatgttt  | 2543520 |
| ttactcaagg  | gatgcaattt  | atgagactag  | tagactttta  | aacggtaatc  | acaaaatcag  | 2543580 |
| ccaaaatata  | tgaaagatta  | aagaacggag  | aaaatcgaga  | tgagttttaa  | aaacgttatc  | 2543640 |
| ttgttcaata  | cttcggtaaa  | tttttaccga  | taaattaaaa  | ttaaaccatag | aatcggcata  | 2543700 |
| atccggttca  | aaattatatt  | caagagatca  | ttgaaatact  | gtcaagaata  | aatcgtcaag  | 2543760 |
| gagtaagaaa  | agggatgaaa  | aagatatgct  | aaacagctga  | aatcaacag   | aaaaagtatt  | 2543820 |
| tcataattca  | ctgattttta  | gtaaattaga  | agtacttcac  | cactttttaat | tatgactaaa  | 2543880 |
| gaatcactcc  | ttatgcaata  | ccaatccgag  | tgcagaaacg  | ctctcgaatc  | agctgtaaat  | 2543940 |
| ataagcaaat  | cttttcagaa  | agtattcatg  | gatgcaatga  | aattattcat  | ggctatacct  | 2544000 |
| gaccgcatca  | atttcctaca  | aatgggacgg  | tatggatgtt  | tctcggaaca  | gacataccgc  | 2544060 |
| aacaattttg  | agaacgacgg  | ctttgactgg  | ttttccttca  | atgaagccat  | catcagggaa  | 2544120 |
| caccttaaa   | gtggtcgcaa  | ggcgatagcc  | gttgatccgt  | ctttcattcc  | aaaatcaggc  | 2544180 |
| agcaaaacgc  | cgtggattgg  | ctatttctgg  | tccggttggt  | ccggtgaata  | caaacgtgga  | 2544240 |
| ctggaaaata  | ccggtattgg  | agttatagac  | gttgacaacc  | atgaatgtat  | gactttgggc  | 2544300 |
| tctgtacaga  | cacctgacaa  | cgcaacgctg  | gaaagctgtg  | agaagaatct  | tgttgactgg  | 2544360 |
| tacagctctt  | accttatcag  | catacaggaa  | cagctgaaac  | gtatttctgg  | cacagtcgtg  | 2544420 |
| tgtgatgctg  | tcttttcaaa  | ggcaactttc  | atcaaaccat  | gtacgataa   | cggtttccac  | 2544480 |
| gtaataagcc  | gtttcaggaa  | tgatgccgta  | ttgtttttatc | ccaccttaga  | aaataggaca  | 2544540 |
| ggaaaacgcg  | gacgtccaaa  | attacatgac  | gagaaaattg  | actttgaaaa  | tctggacatc  | 2544600 |
| acaagatgta  | ccgagtacaa  | agtgaacaag  | ggtaaacttt  | acggactgaa  | agcatactcc  | 2544660 |
| aaagcactca  | aacgctttgt  | gagcctggct  | gtatggtacc  | ccatggatgg  | agaacaggac  | 2544720 |
| aatggcagc   | tgtattttct  | tacaaacgaa  | atacagaacg  | cacaggatgt  | cctggacttt  | 2544780 |
| tacagaacac  | gtttccaact  | cgaattctgc  | tttcgggatg  | ccaagcaaca  | tgccggaata  | 2544840 |
| gcaaactgtc  | agtctacaga  | cttcaggaaa  | ctggcattcc  | actttaatgc  | atcacttgca  | 2544900 |
| gcgataaacc  | tcgccaaggc  | tgcttgtaag  | aagatgggaa  | taaaatattc  | catatcatca  | 2544960 |
| tgcaagtcag  | tcatacacia  | tgcttacatg  | cttgaacgat  | ttattttgct  | gtctgggatt  | 2545020 |
| gaaccaaaaca | cgcaattaat  | tgacaaactt  | ttcaaagaac  | tcatttttatt | tactgccaga  | 2545080 |
| gccgcttagg  | ctgggctaata | ttttaacgaa  | ctattgcttg  | ttaacatctt  | acaaaaaaac  | 2545140 |
| aatcaaaaga  | cattgattta  | tgctggtagt  | tatggcaata  | tcaataaagt  | tgcatatatt  | 2545200 |
| cttgctaata  | gtttgactcc  | taaaaagacg  | acactactta  | aagattttta  | tgattggctt  | 2545260 |
| aaaataaatt  | atggtcaaga  | cttctcattg  | tgtaaacttt  | gtgaaagagg  | tggttggtga  | 2545320 |
| cataatggta  | agatgcatag  | gtcattgagt  | caaatacaaa  | ttaaattatt  | tgaagtagac  | 2545380 |
| aatggtctag  | atacagttat  | ctctacatct  | tctataatag  | aaggggtaaa  | cacacaagct  | 2545440 |
| gaacaagtca  | tagtatggtc  | taataaaaaat | ggttctaaca  | agtttgatta  | ttttacatat  | 2545500 |
| aggaatataa  | ttggacgagc  | aggccgtatg  | tttaaataat  | tcataggaaa  | agttttacctt | 2545560 |
| ctcgaagagc  | ctcctgcaca  | agaagatact  | accttaaaga  | ttgattttcc  | tgaagaagtt  | 2545620 |
| gttgaagctt  | tagattcgga  | aaatccaggt  | atagagatca  | atcaagagca  | aaataataaa  | 2545680 |
| atcaaagact  | atgagtcata  | tatgacagat  | acattaggtg  | ttgataattt  | taatcagata  | 2545740 |
| agaaaagctcc | cattgtataa  | gtcatgcat   | ccgcgtattc  | taaaacgatt  | agttgagaaa  | 2545800 |
| cttaaagcta  | atcctaattg  | gccaatggg   | tattctgcat  | tagctttacc  | gaacacatat  | 2545860 |
| aattggcgcg  | aacctataat  | ggatgttata  | agtctacttg  | gtgataatat  | ggctcgtctt  | 2545920 |
| attaagattg  | ctattttggaa | gatgcctgat  | aattggaaac  | gttctattgc  | tgatatatac  | 2545980 |
| tctgaacttt  | ctgatattag  | ttacgaagac  | ctattttcag  | cagaacgata  | cttatcgtat  | 2546040 |
| aattttatgtt | ctacgctttc  | tattataaat  | gtattaaaaa  | aattattata  | tcccagagtct | 2546100 |
| ccagacatat  | ctggattcat  | aggtagagct  | gcaaatgcat  | ttttacccaa  | acttgtatat  | 2546160 |
| caattagaag  | aatatggatt  | accgaggatg  | attttagtaa  | aaattcaaaa  | ttcagggttg  | 2546220 |



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| attaattttg  | aagatgaatc  | aatagaaata  | tcagaaatta | ttaatcagtt  | taatattatc  | 2546280 |
| ggtcaagaaa  | aacttcttga  | aaatttgaaa  | gacattttgc | catttgacaa  | tagttcgtta  | 2546340 |
| aaaattagcc  | cagcctaagc  | ggctctggca  | gtaaataaaa | tgagttcttt  | gaaaagtttg  | 2546400 |
| tcaattaatt  | gcgtgtttgg  | ttcaatccca  | gacacgcaaa | taaatcgttc  | aagcatgtaa  | 2546460 |
| gcattgtgta  | tgactgactt  | gcatgatgat  | atggaatatt | ttattcccat  | cttcttacag  | 2546520 |
| gcagccttgg  | cgaggtttat  | cgctgcaagt  | gatgcattaa | agtggaatgc  | cagtttcctg  | 2546580 |
| aagtctgtag  | actgacagtt  | tgctattccg  | gcatgttgct | tggcatcccg  | aaagcagaat  | 2546640 |
| tcgagttgga  | aacgtgttct  | gtaaaagtcc  | aggacatcct | gtgcgttctg  | tatttcgttt  | 2546700 |
| gtagagaaat  | acagctgcc   | tttgtccgtt  | cttccatcca | tggggtacca  | tacagccagg  | 2546760 |
| ctcacaaaagc | gtttgagtgc  | tttggagtat  | gctttcagtc | cgtaaagttt  | acccttgttc  | 2546820 |
| actttgtact  | cggtagatct  | tgtgatgtcc  | agattttcaa | agtcaatttt  | ctcgtcatgt  | 2546880 |
| aattttggac  | gtccgcgttt  | tcctgtccta  | ttttctaagg | tgggataaaa  | caatacggca  | 2546940 |
| tcattcctga  | aacggccttat | tacgtgaaa   | ccgttatcgt | acaatggttt  | gatgaaagtt  | 2547000 |
| gcctttgaaa  | agaacgcac   | acacacgact  | gtgccagaaa | tacgtttcag  | ctgttcctgt  | 2547060 |
| atgctgataa  | ggtaagagct  | gtaccagtca  | acaagattct | tctcacagct  | ttccagcgtt  | 2547120 |
| gcgttgtcag  | gtgtctgtac  | agagcccaaa  | gtcatacatt | catggttgct  | aacgtctata  | 2547180 |
| actccaatac  | cggttatttc  | cagtccacgt  | ttgtattcac | cggcacaacc  | ggaccagaaa  | 2547240 |
| tagccaatcc  | acggcgtttt  | gctgcctgat  | tttggaatga | aagacggatc  | aacggctatc  | 2547300 |
| gccttgcgac  | cacctttaag  | gtgttcctg   | atgatggctt | cattgaagga  | aaaccagtca  | 2547360 |
| aagccgtcgt  | tctcaaaatt  | gttgcggtat  | gtctgttccg | agaaacatcc  | ataccgtccc  | 2547420 |
| atttgtagga  | aattgatgcg  | gtcaggtata  | gccatgaata | atttcattgc  | atccatgaat  | 2547480 |
| actttctgaa  | aagatttgct  | tatatattaca | gctgattcga | gagcgtttct  | gcactcggat  | 2547540 |
| tggtattgca  | taaggagtga  | ttcttttagtc | ataattaaaa | gtggtgaagt  | acttctaatt  | 2547600 |
| tactaaaaat  | cagtgaatta  | tgaaataactt | tttctgttga | ttttcagctg  | tttagcatat  | 2547660 |
| ctttttcatc  | ccttttctta  | ctccttgacg  | atttattctt | gacagtattt  | caatgatctc  | 2547720 |
| ttgaatataa  | ttttgaaccg  | gattatgccg  | attctatggt | taattttaat  | ttatcggtaa  | 2547780 |
| aaatttaccg  | aagtattgat  | ttgataaatt  | tattattaat | tattttttacg | aaggaataag  | 2547840 |
| ttaaaaaataa | gaaatcaaca  | aggcgcaata  | aacgttactc | agaaagcatt  | ggttaaaatt  | 2547900 |
| ataaattatg  | tgttcaaata  | atatagaaaa  | cacccaagaa | tcttatatac  | aagttctaca  | 2547960 |
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| gaattgtctt  | ccaattgatt  | taatgatatt  | aaccattttt | gacgatgatc  | atctagttgg  | 2548140 |
| aataaaaaaac | tttatcgaga  | gacatcaaaa  | tgatgttcct | tttcccgtta  | aaagaatctg  | 2548200 |
| ggcgaactgt  | gcaaagcatg  | ttgattttga  | cacttcagaa | aacttgtctt  | ctaacaaagc  | 2548260 |
| aagcaagatg  | gctgatgtcc  | tatgtgcaat  | atcgcaaaaa | tcagaacttg  | attgggaatc  | 2548320 |
| ataccggttg  | gatggatttg  | tggatgatac  | tataactttt | gccgatatag  | atattatcaa  | 2548380 |
| tcctcgaaaa  | gaattattta  | agtattttat  | tgataattat | aagaaagaat  | gtaatttttag | 2548440 |
| agactctgaa  | gagaattttat | caaataaggaa | aaactcgaat | ttagatatct  | acatagatat  | 2548500 |
| gcatgaattg  | gcacaacgtg  | gtaaaacttt  | aggcaatcaa | aataaacctt  | cagaacttgt  | 2548560 |
| aaatatgggt  | tcgttaagta  | tgtaataacg  | ttgtgacgca | tttagcatat  | taatattagg  | 2548620 |
| ggatagcttt  | ccgcaagaaa  | tatacatgtc  | tcttattgaa | agaggataca  | gtaaagaaca  | 2548680 |
| taagttgcaa  | gtagattttca | taaagatgtc  | tcatcatggc | agtgtctaata | atatcagcaa  | 2548740 |
| tgagttatta  | gatatttatag | attgtgataa  | attcatcata | agtactgatg  | gaagttaaagg | 2548800 |
| ttataaacat  | ccacatagag  | aagctatagc  | gaatgtttta | tgccatccag  | aaagagatta  | 2548860 |
| ctctcgtact  | attcattttt  | attttaacta  | tccgcttaaa | actataatta  | ataatagagc  | 2548920 |
| aatacttcgg  | taaattttta  | ccgataaatt  | aaaattaaac | atagaatcgg  | cataatccgg  | 2548980 |
| ttcaaaaatta | tattcaagag  | atcattgaaa  | tactgtcaag | aataaatcgt  | caaggagtaa  | 2549040 |
| gaaaagggat  | gaaaaagata  | tgctaaacag  | ctgaaaatca | acagaaaaag  | tatttcataa  | 2549100 |

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| ctccttatgc | aataccaatc | cgagtgcaga  | aacgctctcg  | aatcagctgt  | aaatataagc  | 2549220 |
| aaatcttttc | agaaagtatt | catggatgca  | atgaaattat  | tcatggctat  | acctgaccgc  | 2549280 |
| atcaatttcc | tacaaatggg | acggtatgga  | tgtttctcgg  | aacagacata  | ccgcaacaat  | 2549340 |
| tttgagaacg | acggctttga | ctggttttcc  | ttcaatgaag  | ccatcatcag  | ggaacacctt  | 2549400 |
| aaaggtgggc | gcaaggcgat | agccgttgat  | ccgtctttca  | ttccaaaatc  | aggcagcaaa  | 2549460 |
| acgccgtgga | ttggctattt | ctggtccggt  | tgtgccgggt  | aatacaaacg  | tggactggaa  | 2549520 |
| ataaccggta | ttggagttat | agacgttgac  | aaccatgaat  | gtatgacttt  | gggctctgta  | 2549580 |
| cagacacctg | acaacgcaac | gctggaaagc  | tgtgagaaga  | atcttgttga  | ctggtacagc  | 2549640 |
| tcttacctta | tcagcataca | ggaacagctg  | aaacgtattt  | ctggcacagt  | cgtgtgtgat  | 2549700 |
| gcgttctttt | caaaggcaac | tttcatcaaa  | ccattgtacg  | ataacggttt  | ccacgtaata  | 2549760 |
| agccgtttca | ggaatgatgc | cgtattgttt  | tatcccacct  | tagaaaatag  | gacaggaaaa  | 2549820 |
| cgcggacgtc | caaaattaca | tgacgagaaa  | attgactttg  | aaaatctgga  | catcacaaga  | 2549880 |
| tgtaccgagt | acaaagtga  | caagggtaaa  | ctttacggac  | tgaagcata   | ctccaaagca  | 2549940 |
| ctcaaacgct | ttgtgagcct | ggctgtatgg  | taccccatgg  | atggaagaac  | ggacaaatgg  | 2550000 |
| cagctgtatt | tctctacaaa | cgaaatacag  | aacgcacagg  | atgtcctgga  | cttttacaga  | 2550060 |
| acacgtttcc | aactcgaatt | ctgctttcgg  | gatgccaaagc | aacatgccgg  | aatagcaaac  | 2550120 |
| tgtcagtcta | cagacttcag | gaaactggca  | ttccacttta  | atgcatcact  | tgcagcgata  | 2550180 |
| aacctcgcca | aggctgcctg | taagaagatg  | ggaataaaat  | attccatata  | atcatgcaag  | 2550240 |
| tcagtcatac | acaatgctta | catgcttgaa  | cgattttatt  | gcgtgtctgg  | gattgaacca  | 2550300 |
| aacacgcaat | taattgacaa | acttttcaaa  | gaatcatttt  | tattttactgc | cagagccgct  | 2550360 |
| taggctgggc | taatttttaa | cgaactattg  | atagagaaga  | agctttgttt  | aattttgagt  | 2550420 |
| tagataaatg | tttaaatttt | gaatatcatg  | agccgaaaga  | aattaataga  | ttcatcttgt  | 2550480 |
| taccctgata | tagatacact | tcaagcatta  | tctgtaaaga  | ttaactgcat  | taatgagcat  | 2550540 |
| gaagaaatta | ttgaaaatgg | aacaggaact  | ttgtttgcaa  | atgacggttc  | ttattatggt  | 2550600 |
| ataacagcag | cccattgtat | tcttaataat  | actaccaaaa  | gcttctatga  | taagagatgt  | 2550660 |
| attcagataa | gtcttcctca | tatatgcaaa  | acctttatag  | aggtggatga  | agtttttagag | 2550720 |
| ttcaattctg | atgatgatac | agatttcgct  | cttttatctg  | ttaaactaga  | tattgatagt  | 2550780 |
| ttcccgataa | gctttgatta | tgaaaatgat  | attcaatttg  | taggtaaaga  | cgagttttgt  | 2550840 |
| actaatacat | gtttctatgg | ttatacatcc  | tcagaaccaa  | cagggcgat   | gtttcgtgcc  | 2550900 |
| aggatgggat | ctacaaacac | atatgaagta  | gaagaaaata  | cgatatctgc  | aacgggtgca  | 2550960 |
| gatttttctc | gtgtaatgaa | aggaagtctg  | ggtagtggga  | tttttggtga  | atacgagaac  | 2551020 |
| cgaatatatt | gtctgggcta | tgtaaaaagt  | cgatgacag   | agacagacag  | attaaacgac  | 2551080 |
| attaaaatac | gcagaatacc | tagtgatata  | aacaataagt  | tctcgcatcc  | cattctgcta  | 2551140 |
| catttctatt | aacagaaaca | agcactagaa  | gcgtctctta  | ctcctcaatc  | tcatgttgag  | 2551200 |
| attgaataca | taaataaatg | gaatgagtta  | agcatcgctt  | tatctaagaa  | tgaagatatt  | 2551260 |
| accagaattc | ttaatgatat | tagtgaatta  | aagattcact  | atccatatgt  | aaagtcagtt  | 2551320 |
| atatatcaag | aacaaataac | aaatatcata  | ttaagaaaca  | agaatcaatg  | gaatgcttgc  | 2551380 |
| gaacgacgtg | catttattta | tgcattacaa  | gatcgtggac  | tatggcctgc  | tttattcgga  | 2551440 |
| gaactccctc | aagctggcga | cttcaatgat  | attcctgaat  | ataagaacat  | gatgtttcgt  | 2551500 |
| gcatcaactt | ttgcctgtgg | atttactgat  | gaagcaaata  | tacctgataa  | aaatacagat  | 2551560 |
| gagggatagt | acgatttagt | tctttgtaaa  | gcatttaagt  | ttgaatttga  | caagatgttc  | 2551620 |
| gaactgatta | atgcttgga  | agctaattgga | atatgggctg  | taaaaaaagc  | actacttgta  | 2551680 |
| catttattta | taagagatga | agacactctg  | aattcagtaa  | aaatgtttat  | cgagaataaa  | 2551740 |
| acgaattctg | aaaacgagag | attttagacc  | actcttatat  | ataatattgc  | aagccaacaa  | 2551800 |
| tttccacaac | catataaata | tacagaattt  | tgggaacatg  | gtgtagagga  | accaagtgag  | 2551860 |
| ataatctcat | acattgcagc | aagaattgat  | aaaacaaaaa  | tacagcctca  | tatctttggt  | 2551920 |
| actcattcta | cgcaaatttt | tggaagtaca  | gattctactt  | cttttcctga  | atctatcaga  | 2551980 |

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| aatatagaac | attggatgaa | ggcgtttcgt  | cacttggtac | acttcatccc | ttaccctaca  | 2552100 |
| gtttattata | cattgcaata | tgctgaagag  | aaaactgtaa | gatgggcagg | tcagatgata  | 2552160 |
| gcataatgtg | atgatgattt | tttaaccagt  | gttcgtccaa | acttacttaa | tactttatta  | 2552220 |
| ggagctttaa | gaattgaatg | cactcctaga  | aacttatatg | caagcattta | ttatataacc  | 2552280 |
| caagaattat | atgtatctgt | tgaagaaagt  | atatggtatg | atgaatttag | gaaatctggt  | 2552340 |
| ttagattatt | ttgttggaga | aatagatgca  | gcaaatgtaa | gtatgtcggg | tgctatctat  | 2552400 |
| aagaacttat | tttctgctat | tcaatgtggt  | aaagaccttg | aaagaagaaa | ggaaatatat  | 2552460 |
| attcaattag | cgaataaaat | gtcacaaaat  | ccgcactcta | ttagtcgatt | attatgcaat  | 2552520 |
| gcattgttag | tagatataga | attggcagct  | actccagaag | taaaagaatg | tttatgttat  | 2552580 |
| ataatcgatc | aaattcctat | agcttggtcg  | tatcatattt | tatacgagtt | taatcgaatt  | 2552640 |
| aacacattga | ctgcagagca | aagaacagca  | atagacagta | aaatatttag | cgaacaatta  | 2552700 |
| tcattttcaa | aaagtgatta | tatagcctta  | gttaatttga | gtaatttagc | tctctctgaa  | 2552760 |
| aaaagtatat | ctaagataaa | acaaatagct  | ctctctaatt | acatatggaa | ttgcggtatc  | 2552820 |
| acagattctt | gttatacagc | tccaatgcca  | tcacacattg | aactatttga | cgataaagtg  | 2552880 |
| atatggtcag | aagaagaatg | gcaattttat  | cgattgaata | tggaaacaaa | tatagagctc  | 2552940 |
| ttagaaagca | aaaagattaa | aagagagtct  | tcaaatttct | tcaattctat | gtaccttcat  | 2553000 |
| cttctttcag | acatgaaatt | atttatacta  | cgattacaaa | aaactaatgg | atttaattgta | 2553060 |
| gaagatatac | tttatagagt | taatagtctg  | aaaacggttg | atatccgttc | acccaaaacg  | 2553120 |
| gtgatatccg | ttcacttttc | atcctctaaa  | cctatggcga | tgcaaattta | ttgatttttcg | 2553180 |
| tctgtaattg | tatatatttg | atgttttttt  | tgacgcatac | tgctgccttc | taactcgaag  | 2553240 |
| cgcacacttg | tgtgcaccag | cctgtctaatt | attgcatcag | ccgcagtcgt | gttgcccttc  | 2553300 |
| atcacatcgt | accagttagc | aaccggcagt  | tgtgatatga | tgatagtagc | tttctgtcca  | 2553360 |
| tgctcggctt | ctataatctc | cataaagtca  | agcagctggt | gtccgtcaag | aactttcata  | 2553420 |
| ccgaagtcgt | ccagtataag | cagatcagtc  | tgtgccaacc | tggcgaagaa | acgatgcagg  | 2553480 |
| gtactggata | tgcgggcaag | gcttatttcc  | tcgaagagcc | tgtacagggt | ataataggca  | 2553540 |
| accttatgtc | cgttcatgca | ggcctgatga  | ccaaacgctg | taccaacca  | gcttttacct  | 2553600 |
| gtaccggaag | ctcccgaat  | aagtatggac  | accccgtttt | tcacatagtc | acaagtggca  | 2553660 |
| agattaagca | ctttctgctt | gtctacgcca  | cgcttgctgt | catatataac | ttcacttatg  | 2553720 |
| gaagcgtgat | aacggaagtg | tgcttttttt  | atcagacggg | cattccgggt | ttgattccgg  | 2553780 |
| ttatccagtt | cggcctgtat | aagcagttgc  | aggccgtcct | tcaaggagag | cgactctgcc  | 2553840 |
| tgctcgcgtc | cctgcatcgt | agcccagtaa  | tgtgccattc | cgggcatcct | aaggtttctt  | 2553900 |
| agagcattga | taatttcac  | catcgttatt  | ggttttgagt | gttagaagtc | tgtcatttga  | 2553960 |
| actgtgattt | cccacggata | ttacagtgtt  | gcggaggagc | aaaggaagat | gtaggctgcc  | 2554020 |
| ccacaccggc | acacttgctt | tccaccagtg  | agcgtataaa | gcggtaactg | catctgtcta  | 2554080 |
| cgttcagggc | tgtctcgcag | gctttctgga  | aaacggccgg | atcactgctc | ctttgcagggt | 2554140 |
| ttagaagccc | gtcgcaggtc | ttgtaattgag | tctccggagg | cattgtggaa | gaataaaaata | 2554200 |
| tgcggcggat | tacatctcca | agtatgccgg  | atgcacgctc | ggcacgctct | atgtatgatt  | 2554260 |
| ttgcactcat | tcctctgtat | tcccgggagt  | tgcttgcaag | atgctccttt | acaatagtat  | 2554320 |
| actttcccct | gttgtaatca | cgtatgtgag  | tggttacaag | ttcaccgtcc | acataacttt  | 2554380 |
| ttaccagtgt | gcgtgtatat | gcaacatgtg  | cagttttgga | tatatactga | tacggcactg  | 2554440 |
| tataatagtg | ctggtcacgt | ccgagataga  | tacagcagtt | ggttgacacc | ttcaaactcg  | 2554500 |
| tatatgacac | aatctcaaaa | tccctgtcag  | gcagcggcat | aagatttggc | ctgtctacgg  | 2554560 |
| caaggaaccg | ttcctcacgc | gtgtaaggat  | gcttctgcat | gcgtttctgg | ttgtgcgctt  | 2554620 |
| tcattttgag | cgaggctgcc | cggttaagct  | cttccagtga | atggaagggt | tcattgcgga  | 2554680 |
| gttcggcaaa | cacacgcata | tagacaagcc  | tcacgggtcc | ttccacgttg | cttttatctt  | 2554740 |
| ttgggtgtgc | gggacgtgcc | ggtatgatga  | ccgtgccata | atgattggcc | atatcctcca  | 2554800 |
| ttacacgggt | aagcgaaggc | tcatatctgt  | ctgtcttgac | aacggcagct | tttaaggttgt | 2554860 |

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| caaagtcttc  | cgtgcgttgt | gaacgtacga  | agaggatata  | accgtagtcg  | cttgcaggca | 2554980 |
| gagtggttac  | gaaagcctgg | cactggacga  | cctcaccggt  | ttccatatca  | acgtatccca | 2555040 |
| tggtatcacc  | ggcaaaatcg | aggaaaagct  | tttcaccgcc  | agtacgcatg  | tcagcaagta | 2555100 |
| tggtagatgg  | cgattccttt | ccggcctctg  | tgttctgttt  | gtaatgaaaa  | cggaactgtg | 2555160 |
| tcaggctgta  | gtggttgtca | ggatgctcat  | tacggtattc  | ctcccaaaga  | agcttcagcg | 2555220 |
| tgacatgctt  | gcgcttcac  | tcctcctgaa  | gatatggaag  | aagggttttg  | aatgtttcaa | 2555280 |
| agcgtttgtc  | actatatgca | ggattgccgc  | ccttgagacg  | gtgctcaaga  | atgggatcgt | 2555340 |
| ccagcctgat  | aagttcatca | aggctcaggc  | tgtcagcgct  | gaccttggtc  | atgtagttgt | 2555400 |
| tcactgtctc  | cttgttcatg | ccgattatat  | cggcagcctt  | gcggttgagg  | actccattct | 2555460 |
| tctttaatag  | aagaagttgt | ttgatctggc  | tcatattcct  | actttttcct  | gccatagtcg | 2555520 |
| tattgtatga  | agattatatt | ctgcatacaa  | gatacgggaa  | agagtggaaa  | gtgaacggac | 2555580 |
| atgccccgtt  | ttttatgcag | gcatcgtcgt  | ttctatgaga  | aagtgaacgg  | atatgctccg | 2555640 |
| ttttccgaat  | gtaaacaact | gattattgta  | ttattacatt  | cccatcactg  | aacggatata | 2555700 |
| ctccgatttt  | tgtatagtaa | aacggatatt  | ttatcgtaat  | cacaaaccac  | tgaacggata | 2555760 |
| tgctccgttt  | tttgagcgac | tttgggcatt  | ttttagcaaa  | aatgaacgga  | tatgctccgt | 2555820 |
| tttttatgcc  | cttttcaagc | ccatttttagc | aataattgtg  | ggtggattat  | gccgttctaa | 2555880 |
| gtgggtgggt  | atgctccgtt | ttcgccactt  | gactatgaca  | ccgatggaa   | ggccatttgt | 2555940 |
| cacaagacag  | gtaacctgca | cgacattttc  | aattcatacg  | ggcattacga  | atggttttca | 2556000 |
| aaccatgcgg  | atgattacat | ggctgacaag  | gctatggaac  | ttgatcccaa  | tctgtttgac | 2556060 |
| agacttccaa  | aacaatttcg | gacaccggaa  | agactgagct  | ataccctgag  | cgtgaaaaag | 2556120 |
| gaaatcagca  | gttacagatt | ccatatcggg  | ccggagctga  | tgacgaaaga  | ggtctgtatg | 2556180 |
| gcactggcca  | gaagagattc | gttctatcca  | gatattccat  | cggaaacgctg | gaacaaggaa | 2556240 |
| cttgtggaat  | atttcaccga | atacggccat  | agtctatact  | ggctccctca  | actgccgaag | 2556300 |
| aaactacaga  | ccagaaaact | tgccgagaag  | gttctcaagg  | agaagccgca  | atacttccat | 2556360 |
| tatctgcgga  | tggaattcat | cacacctgaa  | atgtccaggc  | ttttatgtca  | aaaagaccag | 2556420 |
| gataatatcc  | gtcatttcaa | ggagcgtgtc  | atggagtcc   | agaaatatac  | aggacttcca | 2556480 |
| gccgaattct  | atggatgtga | aacggatttc  | gagcatatca  | gggaccgtaa  | tgacagccgc | 2556540 |
| cgatactgcc  | gtataggatt | cacttacatt  | gccctgcaaa  | aatgtaaacg  | cggatggcat | 2556600 |
| gaaagtgaat  | actatcttat | catgacacgc  | catcccaacc  | gatatatgcc  | tgccgaaaca | 2556660 |
| gtgttcagaa  | aacagattac | cacattccac  | cggacatggc  | tggaaaagac  | aatatgtgac | 2556720 |
| aacgatccgc  | aattccagat | tccgaagatt  | caaaagaatt  | tgaaggatgt  | acaggccatg | 2556780 |
| cggattatg   | aggtggaaca | tatccgtacc  | atactgggtt  | gtgaaatata  | ccgcaactct | 2556840 |
| ttcatggggc  | aaacagtgga | atactgtatc  | cgcaaggacg  | ggctgacct   | ccatgacagg | 2556900 |
| aacatggaaa  | ggctcgcttc | cggcctgcaa  | tacaagatca  | gtcagttgaa  | ggagcaggct | 2556960 |
| gtactcccca  | aagatactga | tgactctatg  | gaaatcaacg  | cagaaacggt  | acaccgcaat | 2557020 |
| atgggggtatt | gtctaaccgg | aatagaagct  | tttgcggaag  | actacggact  | ggacgtaacc | 2557080 |
| cggacctata  | ctctgaaaga | actgaaggac  | gttatccatg  | aacagggata  | caagccttca | 2557140 |
| ctggagaaaat | acaaaaaaga | agtccaacat  | ctaaatctta  | tttgaatatg  | aatattttcc | 2557200 |
| aaaaaagaat  | tgaaaacctg | tgcgatgaga  | tcatcggcag  | gatacttgca  | ctgatgcagg | 2557260 |
| caaactcggg  | ttccgaagta | atactgacag  | acaacgacaa  | tccgggtctac | gtaatctggt | 2557320 |
| ttgacaagat  | gggtgatccg | tgcgaatgct  | ccgtacacaa  | ggtaactgtc  | gtcggagaaa | 2557380 |
| gaatcacact  | tgaagttcat | gataagataa  | ccggagaaaa  | ttataagggtc | acaagccgcc | 2557440 |
| atgaggcggc  | tttggccaat | ccgatatggc  | ttaacgatat  | tctggaagcc  | ataacaaata | 2557500 |
| tcttccatat  | aaaagaagat | gatgttatat  | gctgcaaattg | cggaaagtacg | aacgtaacct | 2557560 |
| gtgaagcgat  | gataaatccc | aatacaagg   | actttgacca  | ctatacagac  | gactcttttc | 2557620 |
| agtatgggtg  | gtgcgacaac | tgtaaaatcg  | gaacagtcac  | aagcgacaca  | tctgaagtaa | 2557680 |
| agaagggaat  | atcgagaaaa | tataaggagt  | ttaaagagat  | ttacaatacc  | gaaccgcaac | 2557740 |

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| tcgaaaacat | tccggaagag | catgacaata  | ccatcttctt  | ctattgcgac  | agcctgtccg  | 2557860 |
| atttcatggc | gttggcagaa | tacggaggag  | aagacttcat  | cgttacggaa  | tgttttaact  | 2557920 |
| ttaccaactt | gggaaatgag | gaataattta  | tttttatctt  | ttcaaagttg  | cctgatatgt  | 2557980 |
| aaacttttta | tatatgtgca | gcatgaaaca  | ggaacggacc  | atatcagcct  | acaagaatta  | 2558040 |
| tttcatggac | tttatctcat | ctctcagaaa  | agaggaagcc  | cgtaagatat  | actacattct  | 2558100 |
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| actttatgaa | atccgtgctg | aatatggagg  | caacatcttc  | agggtattct  | tcatatttga  | 2558220 |
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| ttctgaaata | gaaaaagcat | taaagataaa  | ggaggagtat  | tatgaaagta  | agaaatgaaa  | 2558340 |
| acctgaccag | catcgatgct | atcatggatg  | cggaattcgg  | caatccggga  | acacctgaac  | 2558400 |
| gtgaggagtt | ccgtaaggag | gcatatgcct  | actgcatggg  | acagattata  | tgtgatgcca  | 2558460 |
| gaaagaagga | aaagatgacc | cagtccgaac  | tggctgaaaa  | aatcgggacc  | aacaagtcct  | 2558520 |
| atatctccag | aatagaaaaa | ggtattgtag  | atccgggtat  | cagtacgttc  | tgccgtatca  | 2558580 |
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| ggaaaaagcc | agagaaaact | tttaccgcaa  | ccgtccatac  | ggcattcaca  | ttgattatgc  | 2558700 |
| ccgaaaagga | tttgtactgt | tcaatcacta  | tacaaacagt  | ctcggcaaac  | aggaaaccgg  | 2558760 |
| ttctattgaa | ggacttcccc | ttgaaaagtt  | cgaggatgtg  | gacgcgatac  | cattgaacgg  | 2558820 |
| gaaaattata | aaaaatggta | accggacaac  | agacatctat  | ttctatacgg  | acgattcaaa  | 2558880 |
| tccttacaaa | aacaagaagc | tggatatgga  | tgctctgaaa  | cagtataacc  | ggttcattta  | 2558940 |
| tcacctgtca | ctttttttag | acaggatatt  | ataacaagac  | agccgtgaat  | catgataaat  | 2559000 |
| tcacggctgt | cttgtttcta | tggcacaac   | agtaatctgt  | attcttcttt  | tcttctcctt  | 2559060 |
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| ttccggttac | cggcttccag | tttccttatc  | aacgtgcttt  | taggcatacct | gccataaccg  | 2559180 |
| agcaacttat | atggtcccac | ttggtatgcc  | agacacgcaa  | ccaaaagtta  | tccaaaccaa  | 2559240 |
| aatattatcc | caacttgact | ttttactata  | ttgaatatca  | gtaaattggt  | atattttggt  | 2559300 |
| agcagataat | aaagagtgat | tgttccatta  | ttcaagaaca  | gtcactcatt  | tattactaag  | 2559360 |
| tattatctca | atccaagaac | tgttgctaatt | gaatctttat  | ttctgatttt  | cttatatttc  | 2559420 |
| ttttcaacgc | ctaaagtcag | attgtcttcc  | atagagcata  | aagcttgat   | cattttgttct | 2559480 |
| gatgaaactc | ctacgtattt | cattgtcgtt  | tcaatgctct  | catgccccaa  | tagtttttgt  | 2559540 |
| atctgcgcca | agtttacacc | gtcttccaac  | caatgggtag  | cccgtgcatg  | ccgaaaacta  | 2559600 |
| tggcaatgaa | aatctacagg | aatttcaagt  | agcccctgag  | acgcaatcct  | aacatacatt  | 2559660 |
| ttcaaccgct | tgctaatcgc | ttctgaagtg  | atttttttgt  | ttgcatggcc  | atatatgggg  | 2559720 |
| aaaaatacaa | aatcagaagg | taacggattt  | gccgatgga   | acaacttcac  | ataatgtctc  | 2559780 |
| agtattctta | ccatgctgtt | caacaaataa  | atggtacgtt  | gtttattccc  | tttaccctaa  | 2559840 |
| acaagaatgt | aacctttcgt | ttcatccagg  | tgacgtgccg  | acagcctcaa  | tgataatatt  | 2559900 |
| tcatctattc | ttgttccggt | actatataga  | agattgaaca  | aggcaaaaatc | cctcttacct  | 2559960 |
| atcaatgtac | gtgtattgat | gcttgcaaaa  | atccgtttga  | ttgtatcttt  | tgtgattact  | 2560020 |
| tccacttggt | tttttaggtg | ctgcattctt  | tttatttcag  | cggcatcaca  | atcatatttt  | 2560080 |
| atgaattgga | ttttcttgtg | cgcaaggaaa  | cggaggaaat  | ttttcaatat  | ggagaggcga  | 2560140 |
| tgattgcatg | tttgccggct | gcattttctt  | acttctttca  | gccacgcaat  | ccattcttca  | 2560200 |
| atccagtcct | tacggaagca | ttccccacaa  | agggtatttg  | atgtgactcc  | ttttgaggat  | 2560260 |
| tcaattctct | ttatactatt | ccggattctt  | gcggatcaac  | gtaaaacggg  | gatcaacgta  | 2560320 |
| aaagcctgag | gaattctcaa | atcacgcata  | aatttttgtta | gctagaacag  | aaggctcctga | 2560380 |
| taattattga | cagtccacga | cttgaccgga  | aacctaaaga  | ttgtcttatc  | acctgtcatg  | 2560440 |
| ataccaaaat | cttgcttaga | aaaaaggact  | aaacaagcag  | cgttagtatc  | tggcccatag  | 2560500 |
| ctacgcactc | aatgcgcca  | agcattttatt | tacaacatat  | tggctgtcaa  | acaaatataa  | 2560560 |
| gtacacattt | acgaacttct | tatccatcaa  | tttaaagtga  | cctataaggt  | ttttcataat  | 2560620 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ccatcacgta  | cgtagaaacg  | tcgtttccta  | tattacctgt  | ctttatccag  | acatgaaata  | 2560680 |
| aagaccacgc  | cccagccaat  | ccaaaagcct  | cagcatgttt  | tcgggtattt  | ctcccgatgt  | 2560740 |
| ttttttat    | ttgtacaaa   | aaataaaaaa  | agaccggcac  | gaattttcca  | gctctgccag  | 2560800 |
| acgtgctttc  | caccacttct  | tattgccccca | aaataagtat  | atagattata  | aatagatatg  | 2560860 |
| ctaggccatt  | tcctaaaacg  | cttcgtatct  | tccggaatcc  | gaaaacaaaa  | tgccctgaagc | 2560920 |
| cacgcctcag  | cgggtgaact  | ataaaaagtaa | aaaatcaaga  | aaaaaagaag  | gggaatacat  | 2560980 |
| tcctcaaaaa  | gagcggatta  | gatagatttt  | tccattcatg  | ccggtatcat  | aaagttacag  | 2561040 |
| acttttcttt  | ttccggtata  | aaagagccgg  | aaaacttcat  | aaaaatacac  | tataaatata  | 2561100 |
| ttttctcgtt  | ttttctcctt  | tttggttaca  | ttttcttcac  | caaaatgaaa  | taaaataaat  | 2561160 |
| tattttttca  | tcttattgcc  | attttttgta  | gtaactttgc  | gaggcaatga  | tattttaaga  | 2561220 |
| cagatattat  | ttttaagag   | agggaaaatg  | actacaaatt  | tttattcaac  | aaatcaat    | 2561280 |
| ttatacgaac  | ctaaactgct  | ttttcgcaac  | ctgaagtcga  | gagatggctt  | ctgacgcgat  | 2561340 |
| tccttttatt  | catccagaaa  | ccaccttgca  | ctttcatcga  | cctgcctcac  | aggatatgcg  | 2561400 |
| tatcctcggc  | aagtgaag    | cctgcaagcg  | cacggattcc  | ggaactat    | ttataact    | 2561460 |
| tggttccttt  | ggtctgccct  | ccaaaatctt  | tggtgaagat  | gctggagcgg  | tttatgttgg  | 2561520 |
| cgttatcaga  | atcataacag  | ccaggtttct  | tatttccata  | accggacagt  | gcctacacct  | 2561580 |
| taattatata  | aggtaatccg  | gaaaagacac  | tgaagaaacg  | caggcaagcc  | gctcaaggg   | 2561640 |
| accagaggaa  | gcataccgga  | tagagaaacg  | aataaacaac  | tatttattaa  | tcattaat    | 2561700 |
| tatattaaca  | ggcaaaagat  | gaaaagatta  | agtctttggt  | tactcttttt  | tgcaagtgtta | 2561760 |
| ggtatccagt  | cagcattggc  | ccagacgtac  | aaggtcaagg  | gtaatgtcgt  | gtcgaaatcc  | 2561820 |
| gacaacgagc  | cgctgattgg  | tgtatctatc  | ttgcagaaag  | gaactactaa  | tggggtggtt  | 2561880 |
| accgacatcg  | atggtaacta  | tgagctgcag  | atccaggggtg | gtgaagccac  | gttggttttc  | 2561940 |
| tcttatatcg  | gtctgcaaac  | gcaggaattg  | aaagtaaacg  | cacgaaccgg  | tgtgctgaat  | 2562000 |
| gtcgccatgg  | aagacgactc  | acacctgatg  | gacgacgtgg  | tagtcgtggc  | gtacgggtgtt | 2562060 |
| cgtaagaaaag | gaacaatcgc  | cggttctgta  | tcgaccgtga  | aaaatgacaa  | gctggaaaac  | 2562120 |
| gtgcctgctc  | cgagcttcga  | ccaggcattg  | caggacaga   | ctaccggtct  | gtcggtcatc  | 2562180 |
| tcaaactcag  | gtgagcccag  | caaggctgcc  | actttccaga  | tccgtggtac  | caactctatc  | 2562240 |
| aactcgggta  | ccgcaccgct  | tttcattctt  | gacggtgtgc  | ctatctcaag  | ctcagacttc  | 2562300 |
| aatacgataa  | gtcctagcga  | catcgagtca  | atttctgtat  | tgaagacgc   | atcttctacc  | 2562360 |
| tctatctatg  | gtgcacgtgc  | cgcaaacggt  | gtggttgtaa  | tcactaccaa  | gcgtggtctg  | 2562420 |
| tcgatggaca  | aggccaaggt  | gactttccgt  | gcacaatatg  | gtttctctca  | gctggcacag  | 2562480 |
| aataactgga  | atatgatgaa  | cactgccgaa  | cgtatccagt  | acgaaaagga  | aatcggaatc  | 2562540 |
| gatacgggaa  | aggattacga  | cgtgctctcg  | cgtacgaacg  | taaactggct  | ggacatgggtg | 2562600 |
| ttcaacgacc  | gtgcaccgct  | gcagaactat  | gaagtttcgg  | tgaaccgtgc  | taccgaccgc  | 2562660 |
| ctgaactact  | tcgtatcggg  | aggcttctac  | gatcaggacg  | gtatcgaca   | gagctctact  | 2562720 |
| ttccgccgtt  | acaacatgcy  | cgccaacgcc  | gaagtaaagg  | ctagcaactg  | gctgaagggtg | 2562780 |
| ggtaccaact  | cgatgggtggc | ttacgaagaa  | gtggaacagg  | ccgacgacgg  | ttcgtatgcg  | 2562840 |
| ctgtacactc  | ctatctcggc  | ttgccgcttc  | atgcttcctt  | actggaatcc  | gtacaacgaa  | 2562900 |
| gacggttcgc  | tggcttcgga  | aaacgacggc  | acatggacag  | gaacgggttc  | gaacccgatc  | 2562960 |
| gaatggatgg  | caaacaatcc  | ggtaaccaat  | aagaaatata  | aggtattgtc  | taccgtat    | 2563020 |
| gccgaaatca  | ctccaatcaa  | aaacctgact  | atccgtgcac  | agttcgggtgc | cgacttctcg  | 2563080 |
| cactctaccg  | cattcatgca  | gtctttcccg  | agctacatca  | tcaacaacga  | aatgggtacg  | 2563140 |
| gcaggacgta  | actcttcgga  | catgctgaac  | ctgaccgaaa  | caactaccgt  | aaactaccgc  | 2563200 |
| tgggaactga  | acagcgacca  | ctcgttcaac  | ttcctgctgg  | gacaggaagg  | cgttgattat  | 2563260 |
| cgctcggaag  | gttttcaggt  | tatcaccacc  | ggacagtcga  | atgacttcct  | gacaaacatc  | 2563320 |
| agttcgggta  | cacgtgcttc  | atcgtggggc  | gactctacga  | cctcttattc  | gtacttgtct  | 2563380 |
| ttcttcggac  | gtggcgaata  | taactacaag  | gatctgtatt  | acgccgactt  | ctccgtacgt  | 2563440 |
| gcggatgctt  | cttcacgttt  | cggtagccgc  | aaccgctggg  | caggattctg  | gtcgtcgggc  | 2563500 |

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|             |            |            |             |             |            |         |
|-------------|------------|------------|-------------|-------------|------------|---------|
| ttcatgtgga  | acctgaagag | cgaaccgttc | ctgaaagaca  | tcgaatggtt  | gagcagcgca | 2563560 |
| cagatcgcac  | tgagtacagg | tacttcgggt | aactcttcta  | tccccgacta  | cgatcatctg | 2563620 |
| gcaactggtt  | cgggtaaagc | caattacgaa | gatcaggctg  | gtatctatcc  | gtcgcagagc | 2563680 |
| ggaaacgagg  | atttgagctg | ggaaaaactc | tggtcgagca  | acgtagctct  | gcgctggga  | 2563740 |
| ttcatcgacc  | gcatcaacct | cgacatcgaa | ttctataaca  | agaaaacaac  | caacatgctg | 2563800 |
| atgctcgtgc  | ccgactctta | cgactgacc  | ggtgaaggag  | aacactggga  | caacatcggt | 2563860 |
| gccatgctga  | accgtggtgt | ggaattcaac | gtaagcgccg  | acgtgatccg  | tacgaaagac | 2563920 |
| tttgtatgga  | gcgtaaacgc | caatgcatcg | tacaacaaga  | acaagctgct  | ggaactctac | 2563980 |
| aacggagtac  | aggaatacga | agtttctact | actgccacca  | agctggttgt  | aggacactct | 2564040 |
| gtaagtgaat  | tctatataaa | ccgctatgcc | ggagtaaadc  | ctgccaacgg  | tgacgccctg | 2564100 |
| tggtatacca  | aggacggaca | gattaccaac | gaatacaacg  | aaggcgacaa  | ggtgatgacc | 2564160 |
| ggaaagactt  | tcgacgctcc | ctggcagggc | ggtttcggaa  | catcgctggc  | atggaagggg | 2564220 |
| ttctcgctcg  | ccgctcagtt | cagctgggta | gccgaccgct  | ggatgttcaa  | caacgaccgc | 2564280 |
| tactttgaag  | aaagcaacgg | actgtatgcc | gcatacaacc  | agtctaaacg  | tctgctgtac | 2564340 |
| gaccgctgga  | aacagccggg | cgacatcacc | gacattcctc  | gtcacggagt  | cactcctcag | 2564400 |
| ttcgacgacc  | gtttcctgga | aatgctttcc | ttcctgcgtc  | tgaagaacgt  | tacgctgggt | 2564460 |
| tatgccttcc  | cgcagcgcc  | gctgagcaag | accaatttct  | tcagctcggc  | aagaatctac | 2564520 |
| ctgcagggac  | agaacctgct | gacgtttacc | ggattttacag | gtcttgacct  | tgaatcttct | 2564580 |
| tcaaacgtat  | acaaggcaca | gtatcctatg | tcaagacagt  | ttacacttgg  | tgtagaggtt | 2564640 |
| tcattttaat  | taatatagaa | aagaaaaatg | atcaaaaaaa  | taaagaaata  | tttcatattg | 2564700 |
| tctgctatag  | ccctgcttgc | tacttctctg | ctcgacaaat  | atccggaaga  | tgctatccag | 2564760 |
| caggacaagg  | ccatcaatac | tgtagacgat | gccaacctgg  | ctgtaatcgg  | tatatacgat | 2564820 |
| gccttcaaga  | gctcttatct | gtactccgga | tacctgactc  | tgctacccga  | cttgacggcc | 2564880 |
| gatttttgtgt | atgccgtaaa | cggatattcg | aatacctacg  | gtgatatactg | gcgctggaaa | 2564940 |
| gacatccatc  | ctaccaacga | acaggtggaa | gctgtatacg  | gcgcactgta  | tggcgtgatc | 2565000 |
| aaccgctgta  | acttctgtct | cgacaacgta | gagaaagtta  | agaagtctat  | caagaccgat | 2565060 |
| gccgattacg  | accgtctgga | ccagtactgc | ggagaggctt  | acttcgcacg  | tgactgggt  | 2565120 |
| tactcggaac  | tggtaaagat | gtactgcaag | ccttacgaaa  | gcgatgagga  | cgcagccaac | 2565180 |
| cagctgggtg  | tggtcatcac | cgaacactac | aaaggcaacg  | aaccgatcgt  | acgtgccaac | 2565240 |
| ctgaaggatt  | cgtaccagtt | cattctggac | gacctggaca  | gagcagccga  | actcctgaaa | 2565300 |
| ctggaagacg  | actacagctc | ggctaccgac | ggagcgctgt  | acgactctcc  | ttacttcagc | 2565360 |
| gaatataccg  | tacatgccct | gcgcgcacgt | atctcgctgt  | acatgaagcg  | ctgggatgat | 2565420 |
| gccatcaaat  | attcatcgaa | ggtgatagac | gacggatatt  | atgctctgtc  | aagctgcaat | 2565480 |
| cagaatatct  | cgtcgggcgt | aagctactat | aaatacatgt  | ggaccaacga  | ccacgtacc  | 2565540 |
| gaaatcatct  | ggaaagtagg | attcaccatc | aactcttacg  | gaggtgcact  | gggtatgatc | 2565600 |
| ttcgccaact  | acgactatca | gacactgaaa | cctgattatg  | taccggcttt  | gtgggtactg | 2565660 |
| aacctgtacg  | acgcgaacga | cctgcgtgcc | actaccttct  | tccagtcggt  | tactaccggc | 2565720 |
| tacgaccacg  | gactgacctg | gccgctgctg | atcaagtatt  | tcggaaacga  | agaattcatg | 2565780 |
| aacgcaagca  | tccgccacgt | ctgcatgccg | aaggtattcc  | gcctgtcgga  | acagtacctg | 2565840 |
| atccgtgctg  | aagcatacgt | acagaaaggc | gactatgcc   | aggcaggaag  | cgacatcacc | 2565900 |
| accctgcgta  | tggcacgtta | ctcttcttac | ggaggttcta  | cagccttgct  | gaaagacaat | 2565960 |
| gccatggatg  | tcatcgaaca | ggaacgtgtg | aaggaactgt  | acatggaagg  | cttccgtctg | 2566020 |
| aacgacctga  | aacgctggca | caaaggcttc | cagcgcaagc  | cgcaggacca  | gtcgtgagc  | 2566080 |
| aacggcagca  | gcctgaagg  | agaaaaagac | gatccgctct  | ttgtatggcc  | tatcccgcag | 2566140 |
| cacgaaatag  | aagcaccggg | agccgacatc | acaccgaatg  | aaagtaataa  | ataagttaaa | 2566200 |
| aacatacgat  | aatgaaaaaa | ctgtttattg | gttgatcg    | agttattgct  | gttttgatgg | 2566260 |
| ggctcgccgg  | atgtaattcg | gaaagaacta | cttatgaagg  | tcccaattat  | cttatgtttt | 2566320 |
| ccgatacgct  | ttaccgctat | gccgtacagg | aaaccggaga  | ggtatttcaat | gtacttgtct | 2566380 |

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|-------------|------------|------------|-------------|-------------|-------------|---------|
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| gcgatgcagt  | ggaaggaaag | cactacaaac | tgttgtcgaa  | cactgttacg  | atcaaggccg  | 2566500 |
| gcgaatgtgc  | tgccaacgta | caggttcagg | gaatctacga  | taacattgac  | atcaatgagt  | 2566560 |
| atctgactct  | cggactccga | ctgattatcc | cgaaggagga  | acagtggagc  | ttgtatggca  | 2566620 |
| tcgatacgaa  | agtcgttctg | caaaaggcat | gtccgttcga  | catccacacc  | tttacgggat  | 2566680 |
| attgcaaggt  | gacttccagc | tacttcgaag | attatatgca  | gaatgtaacc  | atgctgtctga | 2566740 |
| tcaagacaga  | agtaaaccg  | gaaaaggaaa | actctgtcat  | tctgcacgac  | ctgtattaca  | 2566800 |
| aaggacatga  | tatcgtgttg | gatttcgacc | gcaagaatcc  | gctcgaaccg  | ctggtgagca  | 2566860 |
| tggaacgaaca | ggatgtgga  | actaccagt  | aagctttcgg  | taccatctat  | ggcgacggta  | 2566920 |
| acctgctgat  | gtatcagcct | acaatgtata | cgtcttacta  | cagcacatgc  | gagaagttcg  | 2566980 |
| tattccagta  | tgccaccctg | cgtgtagacg | gagtaggaac  | agtaggtaca  | tacgccaaca  | 2567040 |
| tcctggaatg  | gatcagtgac | gcagaagctg | aaaaattaat  | ggaagaagga  | tattaatcaa  | 2567100 |
| aacaaacgca  | attcattatg | aaaacacttt | atataaaacc  | gattttacctg | ttcatggtac  | 2567160 |
| tgaccatgat  | gatgggtttt | acatttactg | catgtagcag  | tgacgatcct  | gaaggaacat  | 2567220 |
| caacaactgt  | tgaatttccg | gctctgaaag | aactttcggg  | aaaggccgga  | gaaaccctgg  | 2567280 |
| aactgtcatt  | ctctgccgga | agcgactgga | cactgagcag  | caacaaggga  | tggtgtaaat  | 2567340 |
| tcaaaagatgg | cgaatttact | gaaacgactc | tctctggaaa  | agccggttca  | cagacggtac  | 2567400 |
| agattgtgat  | ttccgaatca | cagctcacca | gcgaagttgc  | cgaactgaca  | ctgactatgg  | 2567460 |
| gcggaaagtc  | acaggttatc | tgcaaggtta | cttgctcagga | aaagcaatat  | gccgatctgg  | 2567520 |
| tagtaactga  | tgaagaagga | aatgtatacg | atgcagaaca  | tccgctggtc  | atcaaaggta  | 2567580 |
| gcggactgac  | agacaacgca | tacgacatcg | tctacactac  | catcaagggtg | gaatcggaaa  | 2567640 |
| agacggtcgg  | tattcctgaa | aagccggaat | ggatcgaggc  | tcaggcttcg  | accgaaactc  | 2567700 |
| cggtgtatt   | ccagctgaca | ttctacaaga | agtcgggtat  | ttctgaaatc  | tactctttca  | 2567760 |
| gcaatgcaga  | tgacaagctg | gtaattgcta | cagaagataa  | taaacagcga  | gtagaaattc  | 2567820 |
| cggtttctta  | tgaaggattg | agagaagatg | taattacttt  | caaggaaaca  | gatctgtcgt  | 2567880 |
| tcactcagaa  | ccacatgaca | ctggatcaca | actctactta  | cttctctgta  | gccaacgcta  | 2567940 |
| tgaccggtga  | agaaacaact | ttctctcttc | cgctcacact  | gacggtagac  | caggtaagaa  | 2568000 |
| acgatgagtt  | cggttacatc | atcggtcgcg | tagatagaga  | agaaacttat  | cctaattact  | 2568060 |
| attcatatac  | ttacgatttc | gatgcaacgg | gtctggatag  | ctgggttaag  | gtaagcatca  | 2568120 |
| acaataagaa  | cgtttctctg | gatgttgaca | agctgacagg  | agatacagaa  | agaggtgcca  | 2568180 |
| tcgtactgct  | gatttctaaa | gacttctgcg | acaagtacaa  | aggacactac  | aacgatatgc  | 2568240 |
| tgttggacga  | agaaggatac | ttcagttcaa | cttaccagaa  | caatgtgatg  | gtaagcttca  | 2568300 |
| cacaggttcc  | tgaaaagaaa | gtgaccggcc | tccagctcaa  | gggttacgta  | atgatgaacg  | 2568360 |
| gtacactgac  | tccgttcgaa | agtgttcccg | acgatgcagc  | catgatcagt  | gactcaagcg  | 2568420 |
| acccaatgtt  | tgaatatgcc | gacaagaaga | gtcaaaactt  | ctggtatgta  | tcggctaata  | 2568480 |
| aatctttact  | tcagaacgga | aacaagattt | atctggaagt  | agtaggcgat  | attccttcag  | 2568540 |
| gctacagtat  | tggagcattc | aacgctatag | gatggcccaa  | tacgcacact  | tcaagcgaca  | 2568600 |
| ccattgatgg  | taagacatat | atcgtaatat | ctggtgtctc  | tactgataaa  | gaaatcgcaa  | 2568660 |
| atcagcctgt  | cataactgta | ggagtaggta | acttcgatat  | gggagacttt  | ttaattgaat  | 2568720 |
| gtggaataaa  | agtttggtga | taatgaataa | actacaattt  | aatatagtaa  | aactattgtt  | 2568780 |
| tgtatcactc  | atagccgtgt | tttcgggcat | ggctatgagc  | ggatgctctg  | acgatgaaga  | 2568840 |
| agtgaaccag  | agccagtacg | gctatgttca | gttcaagctc  | tacaaggagg  | catcgtacaa  | 2568900 |
| caacggaaca  | gaagctgcca | ctcagagcgc | tgcaacacgt  | gctgcggctg  | atagtctggg  | 2568960 |
| tcaagcaaaag | aaaattgagg | tggaaatgct | gtacaacggt  | accagcatta  | cacagacttt  | 2569020 |
| ggtgctgaat  | gcttacaacg | atgaaaacgc | ggaatacggg  | ctgcgcagcg  | acaagttgca  | 2569080 |
| gttgctggtg  | ggcgactaca | agatcgtagg | atacagaatc  | tacgacaagc  | tggaccaggt  | 2569140 |
| tatcaccggt  | atatcggccg | atgccgacga | gatgtttact  | gtcgttcctt  | ccggactgac  | 2569200 |
| agtaaaaagac | ctgaccatcg | acgcacaggc | cagaggttct  | gtcaagttca  | agctggaaaa  | 2569260 |



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|             |            |            |            |            |             |         |
|-------------|------------|------------|------------|------------|-------------|---------|
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| tactattcag  | gtacagaaca | ccttcagcca | ggtaacttac | aagttcgaaa | agctgaaagc  | 2569380 |
| cagatacgaa  | gaagaatatg | aactgacaaa | ccccgacagc | gaaaacgaca | agtacaaaga  | 2569440 |
| tcacggggta  | gcttactgcg | actctgccgt | atggttgcc  | gctggtgact | ataaggtgat  | 2569500 |
| ttcgtatact  | gtatacacca | aacagggtgt | cacagaaacc | gaactcgaaa | cacaggctgt  | 2569560 |
| cagcggtgaa  | acatttaccg | taaaagataa | ccagctgact | gaatatgcta | tcgtaccggt  | 2569620 |
| actggtttcg  | gaaactgccg | aaaacatcaa | ggattatctg | gccctgaaag | caatctggga  | 2569680 |
| cagtatgggt  | ggaaagaact | ggagctacta | cggagagact | tatccgcagg | gtaccaactg  | 2569740 |
| gaacttcaat  | aaagatatgt | atatgtgggg | cgaccagccg | ggtgtaacgc | tcaacagcaa  | 2569800 |
| cggacgtgtc  | acttctctga | cattggccgg | attcggagca | acgggtgcac | tgcccgatgc  | 2569860 |
| aatcgggtcag | ctgacagaac | tgcgtgtgct | tgccttgggt | tcacacgacg | aaacatacgg  | 2569920 |
| cagctcattg  | tttggtccta | acggtattca | gccgatgatg | agcgaagcta | aacgcaacga  | 2569980 |
| aatgcgtatg  | gactataaga | agcacttcct | cgacagagac | atacgtgcca | acttgctcga  | 2570040 |
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| ccgtatctcg  | aagaaggata | cacagattgg | tatcttgacc | aacggcatta | ctggtgtatc  | 2570160 |
| gaaggctatc  | atgcgcctga | agaacttgca | gcagttctat | attgctaata | ctcctatcac  | 2570220 |
| ttacgataag  | atctgtaccg | actggacaga | tcctcactca | acgtatgcac | agcagtatgc  | 2570280 |
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| gaacgtagcc  | tgaaccagg  | gtatcactgg | tgcacagctc | agagaggact | ggtctaaact  | 2570460 |
| gtgcgacatg  | cctgccggac | caaaaattca | gattctttac | atgggttaca | acaacctgga  | 2570520 |
| agagttcccc  | gatgatgcgc | agctgcacaa | aatggtgaag | ttcaaaatgc | tggactgtac  | 2570580 |
| caccaacaag  | gttcataccc | tgcactcggt | cggaacagac | atcaagttgt | ctaccctgta  | 2570640 |
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| agaaacatta  | ggtttctctt | ataacgaact | gacagaggtt | ccgaacatct | tcaatgcgaa  | 2570760 |
| gtctatctac  | gtcatgagca | gcgtagactt | ctcgcacaa  | aagattaccg | gatttgccgg  | 2570820 |
| aggtagatgac | aacttcaagg | gtatcaacgc | ttatacagtt | tcactgtcgt | acaacaagct  | 2570880 |
| gaagaacttc  | ccgaaagcac | tgttcaagtc | gggttctcct | atccagacac | tggacttgac  | 2570940 |
| tgccaacgaa  | ctgacagagg | tgaaggaagg | cgatatgcag | ggtccgaatg | cttacctgct  | 2571000 |
| ggaaacgac   | gacctgcgtt | tcaacaagct | gaccaagttg | tgcgatgatt | tccgtgcaac  | 2571060 |
| caacattcct  | tacctgaccg | gtatcgactt | gagctataac | tcgttctcgg | aagttccgcc  | 2571120 |
| tcaaccgttg  | aactgtagcg | aactgaaggc | tttcgctatc | cgctaccagc | gcaacgaaaa  | 2571180 |
| aggtagaacgt | actctgcgca | cctggccgga | aggcattact | cagtgcccg  | gtctggtaca  | 2571240 |
| ggtgcagatt  | ggttcgaacg | atattcgtaa | agtgaacgaa | accatgacac | cgtatatctg  | 2571300 |
| gattctcgac  | atcaaggaca | atccgaatat | ctctatcgac | ttgtcgggtg | tctgctcagc  | 2571360 |
| tatccaggcc  | ggtatgtatt | acctgttcta | cgacaagact | caggatatcc | gcggatgcga  | 2571420 |
| catttttagga | atagaacgat | aattaaagaa | caaaggaaat | ataactgatt | atgaaaatta  | 2571480 |
| taaactcgatt | gatacttgga | ctggctgttt | tcgctggaat | caccacatcg | tgtgaaggaag | 2571540 |
| acgatgacgt  | gaacatccc  | ggcggctctt | cgctcgacgt | ggaggaaatc | acggtgggac  | 2571600 |
| ccgaaaagtc  | attcaaagaa | attttggtca | aggcagatgt | caactggcag | gccagtagct  | 2571660 |
| ctacaccgtg  | gatatctgta | tcgcccgcga | acggaacagg | aagcgcaacc | tgtgagctga  | 2571720 |
| acatcgactc  | tacactgacc | tatacggcac | gtaccgcaca | ggtacgtttc | agccgggcag  | 2571780 |
| gcaatgagcc  | gaaaatcctg | aaggtaactc | agtttggttt | cggaaagcag | attcttctcg  | 2571840 |
| acaagccgga  | agtagaactg | gaaaactctg | acatcgaaga | caatcgttac | ttcgacgtga  | 2571900 |
| acatttctac  | caacgtgcag | tttgctatcg | aaagtgtaga | atattcgttc | gaagaagaag  | 2571960 |
| ttccggccga  | cgaggaagca | agcatgagtg | cttccgataa | agccgactgg | ctgacattgc  | 2572020 |
| cgaaagaaga  | agacttgaac | gtgaacctcg | accgtggttc | acgtccgcgc | tcagtaaaag  | 2572080 |
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| acctcaccgt  | aactcagaaa  | cgggtgttcc | gcacgaaga  | caaccgtgca | ggcgactcta  | 2572260 |
| tctctattgt  | cctcatcacg  | cagaaggtag | agtgcagtga | tgcgctcgac | gtgagcgagg  | 2572320 |
| acatgcgtaa  | ctgggctgat  | gtaaccttgt | gggaagagac | cgacgaagac | ctgcccgaag  | 2572380 |
| ctgctgctgt  | aggacgtgtc  | cgttctcttt | ctatcgccat | gatcgatacc | aaggaaacat  | 2572440 |
| tgccgcagga  | aatcaagaac  | ctgaagtatc | tggaatcggt | caatatccag | agcaacacca  | 2572500 |
| accgtcaaga  | tcgtgaaatc  | gtactgggac | cggaaatctg | tgagctgaaa | cacctcaaga  | 2572560 |
| aactttctat  | cacatcgtag  | ggtctggtag | agctgcccga | agaatttgtc | aaactgggag  | 2572620 |
| gagcaaccga  | caagagctat  | gtgggtcttg | aacagctcgg | actgaaaagt | aacaacttcg  | 2572680 |
| cttacttgag  | caaggtgacc  | agtatcgtag | acaaggaaaa | cttcccgaag | ctgaaagtgc  | 2572740 |
| tgaagctgtc  | gggatgcaga  | cgtaacgata | ccatgctcga | catgtcgcag | atggaaagcg  | 2572800 |
| gatataaatg  | gaaaggcaaa  | catgtcgggt | tgtatgccga | cctcaccaag | tcaagcgaca  | 2572860 |
| agaacgagtt  | catgaagctg  | atggaatggg | atacgctcga | ccagctggaa | ctgtcttacg  | 2572920 |
| aattcatcga  | aggcgagctg  | cctaccgacg | aggaaatgat | ggctaaattc | ggtaactaca  | 2572980 |
| gccagtatgc  | cagccagcat  | cccgatgctg | acgtatgcac | actgttggcc | gataacttgc  | 2573040 |
| agtggctcaa  | aacatccgac  | aagcctgtaa | ccgtaaaata | cgatggcggc | cagttctctg  | 2573100 |
| taaagggtag  | cgacgtaccg  | tgcgtccttc | ctaataccaa | gggtgctgtc | ctcaacctga  | 2573160 |
| acttcatgac  | aggtaagctg  | cctaactgga | tcatcttcca | cccgtacctg | atagactggt  | 2573220 |
| acccggaatc  | gatgatattc  | cagcaggaag | taggaaagaa | ctccgacggc | aaagatgccg  | 2573280 |
| gatttgacga  | agttcctatg  | gatttcgatt | atttctacgg | aaagcagact | aacgaccgga  | 2573340 |
| atgccgcatt  | cccgaataat  | tacggaaaat | acatacttga | ggaagagata | tctggagaat  | 2573400 |
| aacacgtaat  | tttaataactt | aaacaagaat | gaagaaaaga | tatatatata | ttgctacact  | 2573460 |
| cgctttgttt  | ctggcagcat  | gttcggacaa | cgagctggaa | cagacttctg | ctccggaaca  | 2573520 |
| aaatacggaa  | atatatatac  | cggctgatgc | tcagcccggg | gaactcatta | tcaaattcaa  | 2573580 |
| accggagatg  | gaagagattc  | ttgaccagac | catgagtcgt | gcgtcaagaa | gcggagcggc  | 2573640 |
| gatgaccgcg  | tccggcatcc  | cctctaccga | tgaagtgtct | gacatactgg | gcggatacca  | 2573700 |
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| agaagctact  | ccgggatgctg | acgtgaactg | cctgaatgca | tgggagaaat | gtacaggcga  | 2574120 |
| tccttccatc  | atcgtggctg  | tgctcgatga | aggtgtgatg | tatacacatc | ccgacctgaa  | 2574180 |
| agacaatatc  | tggataaacg  | aaagtgaac  | gttgggcagc | aagaaagatg | ccgacggaaa  | 2574240 |
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| gaacgacgta  | aacgataccg  | gacacggtag | gcacgttgcc | ggaatcattg | cagccgtaaa  | 2574360 |
| caacaacgga  | cagggtgtct  | gcggtatcgc | aggtggttcg | ggcaagcagg | atggtgtgaa  | 2574420 |
| aatcatgtca  | ctgcaggtat  | ttgccggaaa | ctcgggcgta | acactcgaca | tggaggctaa  | 2574480 |
| agccatcaag  | tatgcggccg  | acaacgggtg | tgatcatcat | cagtgcagct | ggggttacaa  | 2574540 |
| ctcaggtctg  | gcaaaccgga  | tggacggata | tactccgggc | ccggcaaccg | aaaaggaatg  | 2574600 |
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| cgacctagaa  | tattacggta  | gaatcggcga | aagcgatgaa | gaatatttcg | actcttcttt  | 2574900 |
| cacgcttgcc  | gatgcgcagg  | gttctatcct | gtctaccctc | atccgcaacg | gacagcctgc  | 2574960 |
| ctacgggatac | atggacggta  | cttccatggc | ttgtccgcac | gtatcgggcg | tagcggctct  | 2575020 |

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| gaatcacaa  | attgccggaa  | cagccatcac  | caagatgtct | ttgccttcat | acaaggacaa  | 2575200 |
| gatgggtgcc | ggactggtaa  | atgcaggcaa  | cttgttgaac | gaaatcgaag | gaaacggctc  | 2575260 |
| ggaaatgatc | gtaccgaacg  | tatacgtagg  | tcttgagaag | gctgaggcaa | tcgacctggc  | 2575320 |
| acgctatttc | gtaaacgggtg | aatcgctgac  | ttacacttgc | accatggccg | acacttccat  | 2575380 |
| cgctacggca | agcgtaaacg  | gtacggttct  | gactgtaacc | ggtgtcaagg | caggtatcac  | 2575440 |
| caagctgaca | gtaagcacia  | gcaacggaaa  | atcgagact  | gtaacggtta | ccgttcgcaa  | 2575500 |
| gggagcaaac | gataacggtt  | ggatgtaatt  | ataaggtaat | tcattaatga | aactattcga  | 2575560 |
| atcgatcaga | ttaacgatac  | tgagtgcact  | gatgtgctgc | cccgggctgc | tgatggccca  | 2575620 |
| gggcgcgcat | ccgcttacc   | gtcaggagat  | agactcgctg | ctcaatccct | cgctgctgaa  | 2575680 |
| gggagcggat | aagctgctgg  | agtttgaacg  | gacggtaatc | aatcttggcg | aaatgacgga  | 2575740 |
| agacgatgcg | cccgttacgg  | tgaagtttgc  | tttccggaat | gccggtacac | agccagtagt  | 2575800 |
| cattaccaag | atacataccg  | actgcggatg  | taccgctgcc | cagacagaca | agttgcagat  | 2575860 |
| acagccggga | gaaaaaggtt  | ccatcaacgt  | aacctatacg | cccaagaacc | acccgggaac  | 2575920 |
| catcgatgcc | aacacgtttg  | tatactcttc  | tctctcagac | aagcagccgc | tggcaaaact  | 2575980 |
| ggtgctgctg | ggcaatgtac  | agccgggagg  | tgacaaatgg | agccgctatc | cgtagcccat  | 2576040 |
| gggcaactg  | agactgaaac  | agaacaaggt  | gacattccgg | atcgccgccc | gaggaaacgg  | 2576100 |
| cagacagacg | gaaagaatcc  | tgtgcggcaa  | cagcggcacg | acagacctga | agctatccgt  | 2576160 |
| catgaacctg | ccccgctatg  | cgacattcaa  | gacggaacc  | gaagtcatca | agccgggaca  | 2576220 |
| ggaagccgac | atcgtgataa  | gtatcgacgc  | ttcgaagatg | accggaaga  | ccagaagttt  | 2576280 |
| caaggctccc | ctgattctcg  | acggagtgc   | aggacggcca | agcgaccgta | ccctcaccct  | 2576340 |
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| aaatagtaaa | catattgatg  | ttgctgggtca | tttcgctgat | gacttttctt | tgtagcaaaag | 2576460 |
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| accgcaaagg | aaactttgaa  | atgtaccaga  | agcacgacag | catgtatccg | cgctacatca  | 2576640 |
| ccggtactta | ttctatcgaa  | aaggatgcc   | actacggata | catcctcagc | ggagaatacg  | 2576700 |
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| aggcccaaaa | gctgttagaa  | cgcaacaata  | cgaaagccaa | cggtattgaa | gtcacaacct  | 2577120 |
| catagatacc | aaacaggact  | aactccctga  | tgaggcaata | taaaaaacia | agggactata  | 2577180 |
| taaacactcc | attttatgtc  | cagtttgaaa  | tcagaagggg | gcgtaaagac | aaagaaaaga  | 2577240 |
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| cgtccggtcc | tttcggatgg  | ataacctctt  | ccagacgtac | atcgaacacc | agcgctgagt  | 2577420 |
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| cacccgaaac | ggcaaaactt  | ctcggttcac  | tgacttcagc | attccagtta | ccagagaaac  | 2577600 |
| tttgatcgaa | taccgtacca  | ttgatcagtt  | ttccacgata | atgcacagcc | acggtatcgg  | 2577660 |
| tacccaaagg | agaaatgcc   | agcggttcga  | tatcatcttg | cgggaaaagc | ttcatataca  | 2577720 |
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| gtatcttata | gttaaggatc  | ctcaaccagt  | tttctccagc | gggaggattc | gcacagatag  | 2577840 |
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| actagtaatg | ctaaccctgt | cggcaatgat  | attattcaag | tcggcaatag  | ccacacgttc  | 2578080 |
| ctgttccatg | gtatcacggt | tacgcagtgt  | tacgcagttg | tcttccagcg  | tctgatggtc  | 2578140 |
| gatagtata  | cagtacggag | taccgatggc  | atcctgacga | cggtaacggt  | taccgatact  | 2578200 |
| gtctttttcg | tcgtactggc | agtggaaatg  | gaacttcagg | tcgttcatga  | tttcacgagc  | 2578260 |
| cttttcaggc | agcccgtctt | tctttaccag  | cggcatgata | gccagtttca  | ccggagccag  | 2578320 |
| tgctgcaggc | aatttcagta | caacacgact  | ttcgccattt | tccaattttt  | cttcgcagta  | 2578380 |
| agaagcacac | atcacgctca | ggaacatacg  | gtctacaccg | atagatgttt  | cgataacgta  | 2578440 |
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| ctcgtgctgg | ctcaagtcga | agtttgtacg  | gctgtggata | ccttccactt  | ccttgaatcc  | 2578560 |
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| agcctgatgt | tccagtacac | gcaggtttgt  | gctgcggaac | tgagcctcat  | caaaagcatc  | 2579160 |
| gccgaatttc | ttggcagcct | tggctacttc  | cttgttgatt | ttctcgtcgt  | atgttgcaat  | 2579220 |
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| ctcttacata | gtagggcaca | aagatagata  | tttataagca | aaaaagaaga  | atcgtgtgat  | 2579640 |
| taatttatct | tatgaatagg | tggaaatctgt | aaggaaagat | ggttattttt  | ttctactttt  | 2579700 |
| gcatcagatt | gaacgaaaag | caatgaacac  | gaaagacaaa | tttacgttaa  | tgactaccgc  | 2579760 |
| tccgataccc | agacttatcg | gatcactcgc  | catacctacc | atcatcagca  | tgctggtaac  | 2579820 |
| ttcgttttac | gttatggcag | atacttactt  | cgtaggaaaa | atcaatacgc  | agtctactgc  | 2579880 |
| cgcggtcggc | atttcgttct | ccatcatggc  | catcatacag | gcattcgggt  | tcttcttttg  | 2579940 |
| ccacggctca | ggcaactaca | tctcgcgcaa  | gctgggtgcc | caggactacg  | agaatgcaga  | 2580000 |
| aaagatggcc | tcaaccggat | tcttctacgc  | cttcatggca | ggcgcgctga  | tagccctctt  | 2580060 |
| cgggcatctg | ttccttacgg | aaatctgtat  | cgccctgggg | tctaccccca  | ctatcctgcc  | 2580120 |
| ctatgcggag | aaatacctgg | gcatcggtct  | gctgggagct | ccgttcatgg  | cctcctcgct  | 2580180 |
| cgtactgaac | aaccagatgc | gttttcaggg  | aaacgcgggt | tatgccatgg  | taggcatcat  | 2580240 |
| catcggggcg | gtgctgaaca | tcgggctcga  | cccgttgctc | atcttttgtgt | tcgacatggg  | 2580300 |
| catatcggga | gccgcgtggg | ccacattgac  | cagccagata | tgcagtttca  | cggtagtgc   | 2580360 |
| catcatggac | agccggggta | cgaacatccg  | catccgtttc | aagaatttta  | ctccgaaggc  | 2580420 |
| ttccttccta | aaggaaatcg | tcttcggcgg  | aagtccctcg | ctctgccgtc  | agggactggc  | 2580480 |
| cagcctgtcg | accatcctgc | tgaacgtagc  | agccggagtc | tacggcgacg  | cagccattgc  | 2580540 |
| gggtatgtct | atcgtaaccc | gtatctgcat  | gttcatcaac | tccttcctca  | tcggtttcgg  | 2580600 |
| acaaggattc | cagccgggat | gcggcttcaa  | ctacgggtgc | ggactgttcc  | accgtgtgcg  | 2580660 |
| tgagggattc | tggttctgcg | taaagacggg  | agctgtcttt | ttgttcgtct  | gtgccgtcat  | 2580720 |
| cggttacatc | ttctcgcccc | aaatcgtatc  | gtggttccgc | gacgaccgc   | acgtcatcga  | 2580780 |

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| aaccggaaca | cgtgccctgc | gctggcagct  | cattaccctg  | ccgctgggag  | cctgggtcat  | 2580840 |
| cttgtgcaac | atgatgcttc | agaccatccg  | caagccggta  | cgcgccgtta  | ccctgtcgtc  | 2580900 |
| ggcacgacaa | gggctgttct | tcatcccgtt  | cattctgatt  | ctccccatt   | tcttaggatt  | 2580960 |
| gcagggtgtg | gagatgtgtc | aggcagtgct  | cgacctctgt  | tcgttcctgc  | ttgccattcc  | 2581020 |
| gctgacagtt | cccgtgctga | atgaaatgaa  | aaaataagcc  | tttttcgga   | aaaagatgcc  | 2581080 |
| ggagaagaaa | cggaaatttg | tacaaaagaa  | aatcacgttt  | gtacaaaaca  | aaaaaggatt  | 2581140 |
| tgtacaaatt | ccggggaaag | cgtgcccga   | cgatcactaa  | atgatgccgg  | aaaaatctcc  | 2581200 |
| ttagaccgtc | ctttaccggg | aagcgtttcc  | ccaataatth  | ctacaaaaag  | cggacggaca  | 2581260 |
| ggcaagaaaa | accggcctat | ccataggttc  | aatcccgtt   | ttcggacact  | cggatgcggg  | 2581320 |
| tttattttca | ataatatagt | aaataggaac  | atthtttttc  | gtatthttgt  | ctgttgthtt  | 2581380 |
| tccactaaat | cacttatatg | agcgaagata  | ctttcgaaaa  | agacgatatc  | caatcaagcg  | 2581440 |
| ataaagaagc | acattctgac | tataagccc   | tcgatcagga  | caacgaggcc  | gtgaagcatc  | 2581500 |
| agttgagcgg | catgtaccag | aactggthtc  | tggactatgc  | ctcgtatgtg  | atactggaac  | 2581560 |
| gtgcggttcc | tcacatcaac | gatggactga  | aaccggtaca  | gcgacgcac   | ctgcactcca  | 2581620 |
| tgaagcggct | ggacgacgga | cgggtacaaca | aggttgcaaa  | cattgttagga | cataccatgc  | 2581680 |
| agttccaccc | gcacggcgat | gcctccatcg  | gcgacgcact  | ggtgcagctg  | ggacagaagg  | 2581740 |
| acctgctcat | cgactgccag | ggtaactggg  | gtaatatcct  | taccggcgac  | gatgccgcgg  | 2581800 |
| ctccccgata | catcgaggca | cgtctttcca  | agthttgcc   | cgacgtggtg  | ttcaaccgga  | 2581860 |
| aaacgaccga | atggcaggct | tcttacgacg  | gacgaaaccg  | tgaaccggtg  | acgctgccc   | 2581920 |
| tcaagttccc | gctcctgctg | gctcagggtg  | tggaaaggtat | cgccgtaggt  | ctttcatcca  | 2581980 |
| agatattgcc | gcacaacttc | aacgaactgt  | gcgacgctgc  | tatcgccctac | ctgcacgggg  | 2582040 |
| aggagtttca | cctctatccc | gattttcaga  | cgggaggctc  | catcgacgtg  | tcgcgctaca  | 2582100 |
| acgacggcga | acgcggcggt | gtggtacgtg  | tgcgtgccaa  | gattttcgaag | atagacaaca  | 2582160 |
| agacactgtg | catcagcgaa | attccgtacg  | gaaaaacaac  | atcttcgctg  | atagaatcta  | 2582220 |
| ttctgaaagc | tatcgagaag | ggcaaaatca  | aggtgcggaa  | ggtggacgac  | aataccgccg  | 2582280 |
| acaaagtggg | gattctggta | catctggccc  | cgggcgtthc  | gtcagacaag  | acgctggatg  | 2582340 |
| cgctgtatgc | ctttaccgac | tgcgagggtg  | acatctcgcc  | caactgctgt  | gtcatcgaca  | 2582400 |
| acaagaaacc | gcatttcctt | tcggtcagtg  | cgggtgctcc  | caagtcggtc  | gacaatacgc  | 2582460 |
| tgtcgctact | gcgtcaggag | ctgaacatcc  | agcgcaacga  | aacactggaa  | acgctgcact  | 2582520 |
| tcgcctcgct | ggagaagatt | ttcatcgagg  | aacgtatcta  | caaggacaag  | cagthttgagc | 2582580 |
| aggcggagaa | catggatgct | gcctgtgagc  | acatcgacga  | gcgactgact  | cctttctacc  | 2582640 |
| cgcagthttg | acgtgaagtg | accaaggagg  | atattctcaa  | gctcatggag  | atcaagatgg  | 2582700 |
| cgcgcacctt | gaagthtaac | aaggacaagg  | cggacgagtt  | catcgccaag  | ctgaaagcag  | 2582760 |
| acatagaaga | gatagacaac | catctggcac  | acatcaccga  | atataccatc  | gactggtaca  | 2582820 |
| tgcggctcaa | ggagaagtac | ggcaagaatt  | tccgcgacg   | tacggagata  | cgcaacttcg  | 2582880 |
| ataccattgt | ggcaaccaag | gtggcggga   | ccaacgaaaa  | actgtatatc  | aaccgcgagg  | 2582940 |
| aaggattcat | cggtagcgga | ctgaagaagg  | acgaatatat  | ctgcaactgt  | tctgacatcg  | 2583000 |
| acgatgtgat | tatcttctac | aaggatggaa  | aatataagat  | tgtgcgtgtg  | tccgacaagc  | 2583060 |
| tgthttgtgg | caagaacatc | ctctacgtga  | acatcttcaa  | gaagaacgac  | aagcgtacca  | 2583120 |
| tctacaacgt | gatttaccgc | gacggaaaag  | agggattcca  | ctacatcaag  | cgtttcaacg  | 2583180 |
| tgacttcgat | gatccgcgac | cgtgaatacg  | acgtgacgca  | gggtactccc  | ggctcgaaaa  | 2583240 |
| tcgtgtatth | cactgccaac | ccgaacggag  | aagcagaggt  | catcaagggtg | acgctccgctc | 2583300 |
| cgaatccgcg | catcaaaaaa | ctgatattcg  | agaaagatth  | cagtaccatc  | aacatcaagg  | 2583360 |
| gacgccagtc | gatgggtaac | ctgctgacca  | agtacgaggt  | acacaaaaatc | agcctgaaac  | 2583420 |
| agcgcggcgg | ctctacactg | ggtggcagaa  | aggtatggth  | cgaccacgat  | gtgctgcgtc  | 2583480 |
| tgaactacga | cggacgcgga | cagtatctgg  | gtgaattcca  | gagcggagaa  | agcattctgg  | 2583540 |
| tggtacacaa | gaacggagaa | ttctatacga  | ccgacttcga  | cctgaacaac  | cattacgatg  | 2583600 |
| ccgacatcca | gthcatcgag | aaattcaatg  | ccgacaaggt  | atggacggcg  | gtactctacg  | 2583660 |

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|            |             |             |            |             |             |         |
|------------|-------------|-------------|------------|-------------|-------------|---------|
| atgccgacca | gcagaactat  | ccgtacctga  | aacggtttac | cttcgaacag  | acttcgaaac  | 2583720 |
| gacagaatta | tctgggcgaa  | aacaagcata  | atcagcttgt | cctgctgtcg  | agcgaggctt  | 2583780 |
| atccgcgtct | gcaagttgta  | ttcggcggtc  | acgacagctt | cagggaagca  | ctgattgtgg  | 2583840 |
| aagccagcga | ctttgtgggt  | gtgaagagct  | tcaaggccaa | aggcaagcgt  | ctgacaacct  | 2583900 |
| ttaccgtaga | ccacatagag  | gaactggaac  | ctacccgaaa | gccggaaccg  | caggaggaaa  | 2583960 |
| ccgtcgaaac | gaatgctccg  | gaaacgaaa   | acgatacgac | ggacgaagac  | aacgaacaaa  | 2584020 |
| tgactttatt | ctaaaaccgg  | aaccatgaaa  | cagaagttta | tcatgctgct  | catcgccctg  | 2584080 |
| gggactttct | tgtctgtcgg  | cgcacaggaa  | gacagtctgc | gtgccacacg  | gtacgtcatg  | 2584140 |
| cggctacccc | tgttcggcgt  | aggacacagt  | aacgtattcg | aaacgtatct  | ttctccgctg  | 2584200 |
| gaatatacgg | gaaccgaggt  | acgcttcctg  | cacgaaagca | tgcgcatgac  | acgcctgctg  | 2584260 |
| ggaggcaagg | tttccggaca  | gagcctgatt  | caggtgaatg | cttcgtataa  | caagaatata  | 2584320 |
| tctcagacgg | ccgagatgta  | tgccgggctg  | gtgaactgga | gctatgccct  | gcactatcag  | 2584380 |
| ttccgcatga | acgacgacaa  | gctgaaaatc  | cttgctcgac | cgatgctcga  | cctgaacgga  | 2584440 |
| ggggtggttt | acaaccggcg  | aaactccaac  | aatcccgtct | aggcaaaggc  | ctacggcgga  | 2584500 |
| ctgggagcat | cgggtatgct  | tatttataag  | ttccgcattg | cacgctatcc  | gcttacggta  | 2584560 |
| cgctatcagg | ccaatctccc  | gctgctgggc  | gtcatgttct | caccggaata  | cgggtgaatcg | 2584620 |
| tactacgaga | ttttttcttt  | aggcaacggc  | ggacggaacg | tgggtgttcac | ttcgctgcac  | 2584680 |
| aacaacccat | cgctgcgaca  | gatggtgact  | ctggacttcc | caatacgcaa  | cgtaacgatg  | 2584740 |
| cgcgtgggct | atgtatgcga  | catccagcag  | tcgaaggtaa | acaacctgaa  | aagccacgcc  | 2584800 |
| tactcgcacg | acttcatgat  | aggcttcgta  | cgcaacctgt | atctgctccg  | cggaaagaac  | 2584860 |
| cgcacgacga | tgccacttaa  | agtaactccc  | ttttagctta | tgaacgact   | tgacgcata   | 2584920 |
| ttatatacgg | tgctgaccgg  | actgctggtt  | ttctcttctt | gcatacggga  | ggacatctcc  | 2584980 |
| ggcaatacgc | ccgaagataa  | tttcgaggca  | ctgtggaaaa | tcatcgacga  | acagtattgt  | 2585040 |
| ttcctcgact | ataaaaaatca | ggaatacggga | ctcgactgga | acgaggtgca  | cgagcgctat  | 2585100 |
| gcacgccgca | tcacgccgga  | catgacgtgg  | gagaatctct | tcgaggtcct  | ttcggatatg  | 2585160 |
| gtcaacgaac | tgacgacggg  | acatgtgaat  | ctttccagtt | cgctggctac  | ctcgcagtac  | 2585220 |
| cgcgaatggg | tcgacagtta  | cccgcgcaac  | ttcagcgaca | gcacccagag  | cattttatttg | 2585280 |
| ggaaaggatt | ataccaactc  | ttcaggactg  | acatacagca | ttctggagaa  | caacatcggc  | 2585340 |
| tacatctact | gctccagctt  | ctccaacggg  | ataggcgacg | gcaatctgga  | ccagaccctg  | 2585400 |
| aacaagctag | ctatctgcga  | cggcctgatt  | atcgacgtgc | gcaacaacgg  | cggcggaac   | 2585460 |
| ctgaccacgg | cacagaagct  | agcggcacgg  | tttaccatg  | agaaagtcct  | cgtgggctac  | 2585520 |
| atgtgtcaca | agactggtcc  | cggacacaat  | gacttttcgg | acccgaaacc  | agtgtatgtg  | 2585580 |
| gaaccctcga | acggtatacg  | ctggcagaaa  | aaggttgtgg | ttctcaccaa  | ccgtcggttcg | 2585640 |
| tacagcgcca | caaacgactt  | tgtgaacagc  | atgaaccagt | ttccgaatgt  | cacaatcgta  | 2585700 |
| ggcgacaaga | cgggagggcg  | ttcgggactt  | ccattcagtt | ccgaaattcc  | caacggctgg  | 2585760 |
| tctatccggt | tctccgccag  | tccgatgttc  | gacccaaaca | tgaaccagct  | ggaattcggc  | 2585820 |
| atcgaccctg | atgtgaaggt  | ggacatgaaa  | agcgaggata | tgcagcgagg  | aaaggatacc  | 2585880 |
| attatcgaaa | cagcttgcca  | aatcctaaag  | aaataggtct | gatattttgc  | tttttcaaaa  | 2585940 |
| aaatagtata | tctttgcaca  | cgcaaaaagg  | gaacattccg | tatgttctgc  | ttgcgcctgt  | 2586000 |
| ggcgtaattg | gtagccgcgc  | cagacttagg  | atctggtgcc | gcgaggcggtg | taggttcgag  | 2586060 |
| tcctatcagg | cgcacatctt  | tcaagacatt  | aacgataaaa | cccggcttaa  | acggtaagtt  | 2586120 |
| tagccggttt | ttttattgtc  | ctaaaggcac  | tttgtataat | tatccacaaa  | aacaagggtgc | 2586180 |
| catattcggg | gacatgaacg  | tcaatctgaa  | gtttacccat | ttccaaatac  | aaaagaaata  | 2586240 |
| gaagtacatc | caatcgtttc  | aactcctcta  | aaaaacgaca | aacagcaacc  | agcagacata  | 2586300 |
| atatgagctg | caccaaactt  | tattaagtca  | tggcacagct | catttgcttg  | cagttaaaac  | 2586360 |
| aatcaagttt | ccaattcaaa  | actcattctt  | tcctgaatgt | gaggtttgac  | agagttccct  | 2586420 |
| ttcaattctt | ttcgttatcg  | tccatcatgt  | ttcagaaaga | gcattgtaat  | actgactctt  | 2586480 |
| tcttttgaca | aacgctaaac  | tacctgaaac  | ttacttcagc | tgaagagcca  | ccttcgattt  | 2586540 |

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| gatatcggta | gccgaagcag | ctacaagagc  | ttcgaattta | ccgggctcgg | caaccacgc   | 2586600 |
| atgctgctta | tcgtcgaaat | aactcaggct  | ggacttatcg | atggtaaacg | taaccaactt  | 2586660 |
| cgtttcaccc | ggagccagct | gaatcttacg  | gaaacctttc | agttctttta | ccggacgagc  | 2586720 |
| tacagaactt | ttgacatcgc | gtacatacag  | ctgaacgact | tcagcacctg | ccacagaacc  | 2586780 |
| tgtatttggt | accggaacgg | ttacatggat  | actatccgac | gcggaacggt | cgttacgac   | 2586840 |
| taaagtagcc | ttaccatac  | agaaactggg  | atagctcagt | ccatgtccaa | acgggaacag  | 2586900 |
| cggttgagc  | ttttccttgt | cgctccaacg  | gtaaccgacg | aaaatacctt | ccttgtaagt  | 2586960 |
| gatatcccaa | atattctcag | aagcacgttt  | cacaccggga | taagcatcca | gacgatgact  | 2587020 |
| gcctacattc | tccagagaag | tggggaaagt  | aaacggcaga | cggcccgcag | gatttacatc  | 2587080 |
| gcctacgata | acggctgcc  | gtgcattgcc  | tgcttcgctg | ccaaggaacc | atccctgaat  | 2587140 |
| gatacccgga | acctcatcaa | cccacggcat  | ggctaccgca | tttcctgaaa | tattgaccac  | 2587200 |
| aaccaagttc | ttattggcct | tgcgaagggc  | ttcaatcacc | ttatcctgtc | cgtaaggcag  | 2587260 |
| acctaaagcc | tgacggtcgg | aatcctcaca  | atcctgacct | gcactcttat | tcaagcctcc  | 2587320 |
| aaagaagatg | acataatcgc | aagaacgagc  | tacatcgaca | gcttctgcca | gcagttcctc  | 2587380 |
| ggcagaacga | ttgtcggaaa | gatcctgacc  | tgttacgact | ccattgtatt | caccactggc  | 2587440 |
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| tccgtcgaga | ggagaaattt | cgtattttac  | tttcagtga  | gaacttccac | ctcctacagt  | 2587560 |
| catcatcttg | atggcattct | caccaatcac  | agctaccttc | ttcaccttgt | tcaagtcgag  | 2587620 |
| cggaagcaca | ttgttacggt | tctggagcag  | tacgataccc | tcttccgcaa | tgtggcggga  | 2587680 |
| agcatcaaaa | tggtccggac | taccgataga  | accgaacgga | cgattacggt | ccattgtcgt  | 2587740 |
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| ggtaccactg | gaaagtccgt | tcgtccaact  | gccgaactcc | agatcaagtc | cgttggagat  | 2587920 |
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| ttcgcccttc | aggatatcgt | tcaacaaata  | ttcattgtga | cagcaatgct | ggttcttgta  | 2588040 |
| caaattataa | gatcccatga | tgctccaggc  | atgtccttcc | tgaacagccg | ccttaaaggc  | 2588100 |
| aggaagataa | atctcgtaaa | gcgacgggtc  | gtcgactata | acattcgatg | tatgacgatt  | 2588160 |
| tatttcggtg | ttgttcaatg | caaaatgttt  | tacgcaagca | gctactccat | tgctctggac  | 2588220 |
| cccacgtaca | taaggtacca | ccatcttact  | cgacagataa | ggatcttcgc | ccatatactc  | 2588280 |
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| cttattacga | tagcgggcct | cttcaccgat  | gcttttgcca | taaagcagcg | ccatatccgg  | 2588400 |
| attccacgtt | gctgccagac | aagtcaaggc  | agggaaagcc | acacaagagt | cgttgggtcca | 2588460 |
| tctgcctga  | tcccattcat | cccacagcac  | ttcgggcccg | ataccgtgag | ggccgtccgt  | 2588520 |
| acaccagact | tccggaatac | ccaaacgggg  | tactcccgga | ctgctgaact | tagactgagc  | 2588580 |
| atgaatcata | gctatttttt | cttgacaggt  | catacgtgag | agagcatcct | ccacacgtga  | 2588640 |
| ttctataggt | tgattacat  | caagataaac  | gggcagctgc | tgtgcttgca | cagagaataa  | 2588700 |
| agcaagtccg | gcaacacatg | ccagcgccat  | ttttttcata | aattcgtttt | tcataatatt  | 2588760 |
| ttcagttata | aattttcaac | tatactaacg  | cgatgacttc | agttcaccat | accattttatt | 2588820 |
| caaagcctca | tctgccagta | aacgcataatc | ttgcgcctcc | tttacagata | agccatcggg  | 2588880 |
| tacataagtt | atcacagaag | gactttcttc  | aaatataaca | gcatactcca | tacacgcagc  | 2588940 |
| cagataagag | gctttaagtg | aaggatgccg  | attgtcggta | tataaagcag | cacatccctt  | 2589000 |
| ttctccctgt | gtttcaaata | aaatcttata  | tgccattcct | acaggacaca | ccacaacacc  | 2589060 |
| agggatttcc | cgacaaacat | tcaaatagct  | gcgtaccagt | tcctccgaag | attccttaaa  | 2589120 |
| ccgggaccag | tcgctgctat | atgccagtt   | catgggaagg | actataacag | gctgtttttc  | 2589180 |
| cggatatgca | ttgagtaaag | ccagcttcca  | taacttaaca | ctctccatca | agatttcagg  | 2589240 |
| acataacctg | ggtaatgcac | tctgctcctg  | caaaataata | taattccagt | gactagacaa  | 2589300 |
| tgcaagtgc  | cgagaaattt | catcattata  | atgatacagc | aaggtagctc | ctaactgggt  | 2589360 |
| ccgtgcatgc | catcgcgct  | ccttccccat  | acttttgacc | atttcattaa | atatctccgg  | 2589420 |

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|             |             |             |             |             |             |         |
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| catgaccttc  | agaccagaag  | gtaaaagcag  | gaaaatcaag  | caaataatcc  | gaagtatacc  | 2589540 |
| tttaattttc  | atggcaggctc | aatcctattg  | aagttatata  | atctttttgc  | ggaacacaaat | 2589600 |
| tctcaaatct  | gcaactcttt  | ataaaatcat  | tcattgcctt  | tctcaccatg  | tcctgatccg  | 2589660 |
| gacgtgcctc  | tcttatatgc  | tgataggtat  | cacgcaacgt  | ttcagaaaag  | gcaattatct  | 2589720 |
| tgtcccagtt  | ctcaggcatc  | ttaataacca  | tcatacacga  | gtcgtctttt  | ttcttataag  | 2589780 |
| gccaaaacgt  | atagccaata  | ttgttgctcg  | tcatgacctt  | acagaaaagcg | gcttgccact  | 2589840 |
| cgtccgtgtt  | gtgaccaatt  | tcccccatat  | acataggcag  | gttcacgcta  | tcgcgaaaat  | 2589900 |
| gaataaaaatc | ctgaatagct  | tctttttag   | gttcacctcc  | ataacggtga  | caagtataca  | 2589960 |
| tcagtttatc  | atcatactctg | gcacgcgtga  | acggtttgaa  | attactattc  | cattgtgctc  | 2590020 |
| ctcccagcaa  | gattatatga  | ttgttgctta  | cctcacgtat  | agcctttacc  | gcccgtttat  | 2590080 |
| gcaatgcttc  | gagcttgctg  | ttcagttcat  | ccctgttgctc | aaaataatga  | gctataggct  | 2590140 |
| cattttattaa | ctcatacccc  | aatatgaccg  | gttcattctg  | ataacgtccg  | gctatcttct  | 2590200 |
| tccatatatc  | acagaacaac  | tgctggctcc  | gttcactctc  | aaacagccac  | gggtaaccat  | 2590260 |
| aactatcgctc | tatattatcg  | cctgtttgtc  | ctccgggggc  | atcgtgcatg  | tccagaatga  | 2590320 |
| gatatagctt  | attgtcacga  | caccagttta  | cgacactatc  | tatacgggcg  | aaaccatcct  | 2590380 |
| gacagacaga  | aagccccata  | taatcctcat  | cggtaaacaa  | tttataatga  | aacggaagcc  | 2590440 |
| ggatggtatt  | tgcaccggaa  | gaggcaataa  | actcaatatc  | ctgacgggta  | atataattgt  | 2590500 |
| ctttaaactg  | tttcagaaa   | tcagccgtaa  | aatccggacc  | aaccagctga  | caaaacatat  | 2590560 |
| cgtttatcat  | tctggctgaa  | ttagtttttg  | taaagccaaa  | catatagcct  | tcgggattca  | 2590620 |
| gccagttgcc  | cagatttgta  | cctttaatat  | gtaaggatc   | tccatcgggc  | tgaatcagat  | 2590680 |
| tttcaccttc  | aatgcgtata  | aatgaagaag  | tgaaagcttt  | ctcttctca   | gattgctgtg  | 2590740 |
| tgcacgatgt  | gagaagagaa  | aggaagaaaa  | aaggcaaaac  | aaatgtttca  | tataagtatt  | 2590800 |
| aaatattagt  | atgtgtgttt  | ttagtaatag  | gataattaaa  | actgtcgata  | agattatata  | 2590860 |
| attccagaat  | ttatcagaca  | agaattcttt  | atTTTTTTTg  | gaagacacgc  | acataatcta  | 2590920 |
| ctttcatcgt  | gacaggcaat  | gcagattcgt  | ccacgccttt  | ataaccaccc  | caatcaccac  | 2590980 |
| cccaagcgag  | gttgagaata  | ggatagaagg  | cataagtga   | aggccatacc  | tcccgacccg  | 2591040 |
| tcccctcatt  | gttaaaggctc | atcaacacct  | caccgtctac  | aaagaaacga  | atatagtctt  | 2591100 |
| ctgtccattc  | acaggcataat | acatgatatt  | ctgattctgc  | agtaccgata  | ttacggtttg  | 2591160 |
| ctgttttctg  | agtgttcac   | ggatgattgt  | aagccgcaca  | atgaatagaa  | gaactgacaa  | 2591220 |
| tgttagcatc  | cgcccctact  | tcctccataa  | tatccatttc  | accacattga  | ggccagggat  | 2591280 |
| tagtgccgta  | gtcgttggtt  | acaggcatca  | tccaaaaagc  | gggccatgta  | cccttcccct  | 2591340 |
| tgggcagcat  | gatacgcat   | tcgaaatacc  | cgtacagcca  | acccgtattc  | aggtgcgcat  | 2591400 |
| agacgcgacc  | agaatagact  | ttaccgtcac  | taccttttaa  | gcagtggata  | ttcagtttac  | 2591460 |
| catccaccag  | ttcagtaact  | cgtttgccat  | cggcttgctc  | attaacatag  | gtctgcaact  | 2591520 |
| cattattcac  | ccatcccgtt  | ccctgtacct  | catgagtcca  | ctcactgctt  | agagttgtac  | 2591580 |
| cttcatcaaa  | ttcatcgtgc  | caaactagtc  | ggtagccttc  | gggggtaata  | atatcacggt  | 2591640 |
| cttcggcaga  | ctcttgataa  | acgctgactg  | tagcttcttc  | agctccagcc  | ttaatgcaga  | 2591700 |
| ttgtacctct  | tctactcttc  | tgtgcatcat  | tgggtaagg   | tctaacagtc  | aatgtattct  | 2591760 |
| catcagcctt  | atccaccgtc  | atccagctat  | ctgatggctg  | tgcattccag  | cttccacttg  | 2591820 |
| ctgtgacagc  | aatggtaaat  | gtttctccac  | tggaatttga  | aaatatttcc  | tgtacagaga  | 2591880 |
| gttgcatagg  | ggctttctga  | gctatttcaa  | cagttactcg  | agtctgtcct  | gatttttaca  | 2591940 |
| taacagaacc  | attacgcaca  | cttgagctat  | tattggcttt  | taccgtaata  | agtacctgac  | 2592000 |
| cgttatcggt  | agaaggatta  | atgatttttag | tcgagaccca  | actactacag  | ttatcgtttag | 2592060 |
| caaaagcagt  | ccattccccg  | ctactgcaat  | ttacaataag  | aggatattca  | tctccgacag  | 2592120 |
| cttctgcctc  | gatggatgtt  | gggttacact  | caaaggttac  | atttccacct  | gtcagtgaca  | 2592180 |
| aatcattatc  | actgtcgcca  | caggcagtaa  | gtaccaaaaa  | gagtatcggt  | aaaatgtgat  | 2592240 |
| atattatgtt  | catggtaaaa  | atgaaaattg  | aatatttagat | tcaggctatc  | tgattaaaaat | 2592300 |



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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| atctttgcta  | tcactaaaaa  | agaggggaatg | ccataaatat  | tacgcagaaa | gtactctgca  | 2592360 |
| gatactattg  | acataccctc  | ttttatgagg  | aattattttat | ttcctgataa | gcgtaatttc  | 2592420 |
| atcaataaca  | acaacagttc  | cttcctcggc  | accactaaag  | tcaaatacca | atttaagttt  | 2592480 |
| tgcagcatca  | gtaccacctg  | ccaacttagc  | attgtcaaag  | cggaaaacat | agccatctac  | 2592540 |
| tggaaacttca | ctgcgagatt  | caaaaaagta  | gttctcatca  | tttccgtttt | cagtcaactt  | 2592600 |
| tactgtcatg  | cctggtaatt  | tcacagcatc  | accattcaga  | gtagcatgta | ctttcaaaga  | 2592660 |
| aaagtcaacc  | aagtcacag   | cactcgcaga  | aagttctggt  | tccatattat | actgtgcgtg  | 2592720 |
| ccaagcttcg  | ttaggagttg  | tagcaggaat  | agttatcgta  | tgtcggctac | cttcatgggt  | 2592780 |
| agtttctacc  | gtacatggaa  | tttactcca   | attggcatct  | ccaaaccagt | gactttctgt  | 2592840 |
| aaatgcctta  | gcatcgtcaa  | cagccttcca  | gatattattg  | ggatcgttat | agttgaatgg  | 2592900 |
| agtggctgcc  | tgttcagga   | tttctgtacc  | atcatcattt  | gcatgatctt | tcagtacaaa  | 2592960 |
| gccctcaa    | gtaatagaag  | tgttatctgc  | attgcctcca  | aagtcgaaca | caatcttcag  | 2593020 |
| gtcactgata  | tcttttcctt  | ccagctcgga  | agcccacaaa  | gctttcggct | cattagcctc  | 2593080 |
| aagagtaaag  | tccttatcca  | ttaatactat  | gttatcactc  | tcgtcgcata | attttacttt  | 2593140 |
| cacaccaccg  | tgagcaactg  | tagaagtcac  | aatgacagag  | aagtcatatg | tttttcctgc  | 2593200 |
| cgaacacagca | atacctgtag  | ggaagaacaa  | catctgagcc  | tgccaacggt | ctgaagttgc  | 2593260 |
| atttggaaga  | gtaacagaat  | aagtaccatc  | cgatagattc  | catgttggat | taggctgctg  | 2593320 |
| tgtccatccc  | ggagcataat  | agaaacccgg  | ctcaggcaat  | gttactccat | taaacagatt  | 2593380 |
| gaattcacta  | tccggtacga  | aaccagggaa  | tccattcatt  | tgagtattct | ctatctcaaa  | 2593440 |
| ttctttcacg  | atggatccat  | cactgatacc  | attggcattt  | tttaccttac | actctacagt  | 2593500 |
| ataaatacct  | tttttacggt  | aatatttcga  | catcgtgtat  | gaagcggaa  | acgaaccgtc  | 2593560 |
| aattatccat  | acaggtgtaa  | taccgaggc   | cgatttaaac  | tcaaaataag | catagttggt  | 2593620 |
| ttcctggta   | actgttatga  | caacattctc  | agcatagtcg  | gatgccaatg | gaatatcgcc  | 2593680 |
| attggctcca  | acataatctt  | ctggtgaaca  | ggcagtcagc  | gaaacgacag | tcagaaacat  | 2593740 |
| cccagaaata  | tatttaaata  | gatttttcac  | tactgtccaa  | taaaagttgg | ttaatgggcc  | 2593800 |
| tttgaaattg  | ttgaaataca  | gtcttttaag  | cagtatttta  | gaatgaaacg | gatttgaatt  | 2593860 |
| cgtagcttag  | cgggtcaaatt | gaatgccgct  | tatgaaccaa  | gataaatacg | tattcgctca  | 2593920 |
| acttaccgct  | tttatgaaca  | gaacacaatt  | caataacttt  | gttcgcaagt | ataatggtaa  | 2593980 |
| tcgctacgtg  | aaacaattca  | cctgctggaa  | tcagttactt  | gctatgatgt | tcggacaact  | 2594040 |
| gagcaatcgt  | gagagtcttc  | gcgacttaat  | tgtagctttt  | gaagcgcac  | aagccaagca  | 2594100 |
| atatcatctt  | ggtctgggac  | gcaatccaat  | agccaaagcc  | accctcgctt | atgctaataca | 2594160 |
| gaatcgtgac  | tacagaatct  | ttgaagactt  | cgcattctat  | ataatgacaa | tacttcggta  | 2594220 |
| aatttttacc  | gataaattaa  | aattaaacat  | agaatcggca  | taatccggtt | caaaattata  | 2594280 |
| ttcaagagat  | cattgaaata  | ctgtcaagaa  | taaatcgta   | aggagtaaga | aaagggatga  | 2594340 |
| aaaagatatg  | ctaaacagct  | gaaaatcaac  | agaaaaagta  | tttcataatt | cactgatttt  | 2594400 |
| tagtaaat    | gaagtacttc  | accactttta  | attatgacta  | aagaatcact | ccttatgcaa  | 2594460 |
| taccaatccg  | agtcagaaaa  | cgctctcgaa  | tcagctgtaa  | atataagcaa | atcttttcag  | 2594520 |
| aaagtattca  | tggatgcaat  | gaaattattc  | atggctatac  | ctgaccgcat | caatttccta  | 2594580 |
| caaatgggac  | ggtatggatg  | tttctcgga   | cagacatacc  | gcaacaattt | tgagaacgac  | 2594640 |
| ggctttgact  | ggttttcctt  | caatgaagcc  | atcatcaggg  | aacaccttaa | aggtggctgc  | 2594700 |
| aaggcgatag  | ccgttgatcc  | gtctttcatt  | ccaaaatcag  | gcagcaaaac | gccgtggatt  | 2594760 |
| ggctattttct | ggtccggttg  | tgccggtgaa  | tacaaacgtg  | gactggaaat | aaccggtatt  | 2594820 |
| ggagtatatag | acgttgacaa  | ccatgaatgt  | atgacttttg  | gctctgtaca | gacacctgac  | 2594880 |
| aacgcaacgc  | tggaaagctg  | tgagaagaat  | cttggtgact  | ggtacagctc | ttaccttatc  | 2594940 |
| agcatacagg  | aacagctgaa  | acgtattttct | ggcacagtcg  | tgtgtgatgc | gttcttttca  | 2595000 |
| aaggcaactt  | tcatcaaacc  | attgtacgat  | aacggtttcc  | acgtaataag | ccgttttcagg | 2595060 |
| aatgatgccg  | tattgtttta  | tcccacctta  | gaaaatagga  | caggaaaacg | cggacgtcca  | 2595120 |
| aaattacatg  | acgagaaaaa  | tgactttgaa  | aatctggaca  | tcacaagatg | taccgagtac  | 2595180 |

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|-------------|-------------|-------------|-------------|------------|------------|---------|
| aaagtgaaca  | agggttaaact | ttacggactg  | aaagcatact  | ccaaagcact | caaacgcttt | 2595240 |
| gtgagcctgg  | ctgtatggta  | ccccatggat  | ggaagaacgg  | acaaatggca | gctgtatttc | 2595300 |
| tctacaaacg  | aaatacagaa  | cgcacaggat  | gtcctggact  | tttacagaac | acgtttccaa | 2595360 |
| ctcgaattct  | gctttcggga  | tgccaagcaa  | catgccggaa  | tagcaaactg | tcagtctaca | 2595420 |
| gacttcagga  | aactggcatt  | ccactttaat  | gcatacattg  | cagcgataaa | cctcgccaag | 2595480 |
| gctgcctgta  | agaagatggg  | aataaaatat  | tccatatcat  | catgcaagtc | agtcatacac | 2595540 |
| aatgcttaca  | tgcttgaacg  | atttatttgc  | gtgtctggga  | ttgaaccaa  | cacgcaatta | 2595600 |
| attgacaaac  | ttttcaaaga  | actcatttta  | tttactgcc   | gagccgctta | ggctgggcta | 2595660 |
| atttttaacg  | aactattgta  | atgaaggaag  | cttgtgaaaa  | gcgagcgacc | aacatcttgg | 2595720 |
| atattccagg  | gaataagtat  | gcttttgatt  | caacaactat  | tccgttatgt | ctagccacat | 2595780 |
| ttccatgggc  | gaagttccga  | agaaagaaag  | gaggtgtcaa  | agctcatgtc | ttatatgaca | 2595840 |
| ttgaagcaca  | agttcctgcc  | ttctatactg  | taaccacagc  | atcgaagcac | gactctacag | 2595900 |
| cgatgtgttc  | aatccattat  | gaaccaaagt  | cttattatat  | attcgacagg | gcttatgact | 2595960 |
| cttttaagga  | actatatagg  | atacacctga  | caggttcctt  | tttcgttgtc | agagctaaga | 2596020 |
| cgaacttgaa  | atacacaatg  | gttaaattgga | agcgtaggat  | gcctaagtat | gtacttacag | 2596080 |
| atgctgaagt  | gaaactgacc  | ggatacctct  | cagagaagaa  | atatcccgag | tcattccgac | 2596140 |
| tcattcgtta  | ctatgatgaa  | gagggtgacc  | gtgagttcac  | tttcctgaca | aacgcaacac | 2596200 |
| atattttctgc | attggacggt  | gctaattctct | acaagaaaag  | atggttggtc | gagctattct | 2596260 |
| tcaaattggct | caagcagcac  | cttaaaataa  | aaagattctg  | gggcacaacg | gaaaatgctg | 2596320 |
| tccgcattca  | aatcagtgtg  | gcaatcatca  | cttactgtct  | agtggctatt | gtccaacacg | 2596380 |
| atatgcaatt  | gaagcgtca   | acttatgaag  | ttttgcagat  | tctaagcatc | tctctaacgg | 2596440 |
| acaaaactaa  | cttgcgtgaa  | ctgttcgata  | agactgattt  | caacgatgtc | aaagaactcg | 2596500 |
| attatcccct  | ttttgaagga  | ctatttgatt  | aattttttta  | ctagtccatt | tttattggac | 2596560 |
| actaatgatc  | tgaaatatat  | tattttattct | gccatggcag  | atatacgtac | ggcaaacaaa | 2596620 |
| gatatagctt  | cgttgaggga  | gcttatacag  | gacttattta  | ccataggtga | cattgatcgt | 2596680 |
| gcttatacct  | atggaaacta  | ttgcctgcaa  | atgggacagg  | cgtatcataa | tcgcattcgt | 2596740 |
| gtagcggata  | ttttatctat  | acttgatgag  | atccataaag  | catatcagaa | gcgtaatcag | 2596800 |
| gaacaacagg  | gccgtctttc  | ccgttatctg  | ataatgatga  | gcattctttc | cgttatattg | 2596860 |
| ttggtagctg  | ttttgtacat  | atacaggcaa  | atgaggcggt  | tgtccgagtc | cagacaaaag | 2596920 |
| ttgaatgacg  | cgaataattc  | gttaaataaa  | catattgtcc  | agttatccga | gacgcatcat | 2596980 |
| aagatggaag  | aaatgaataa  | gcagttgcaa  | ttattgaata  | aagaacaggc | tgtcatgaat | 2597040 |
| gaccaacttc  | gtgagtcgaa  | ttatattgca  | gaagaatata  | tcgcttatgc | attttctctt | 2597100 |
| tgttctactt  | atataagtaa  | gcttgacgag  | tttcgtaaaa  | cgattaatcg | taaaataaaa | 2597160 |
| acagggcaat  | cgaagaagt   | caagcaaatt  | acggaagcat  | ctgtcgtgaa | aaaggagttg | 2597220 |
| aaggaattct  | atcatagttt  | cgatagtgtg  | tttctccgga  | tatatcctga | ctttgtgcat | 2597280 |
| gatttttaata | atctcttgcg  | tccggaagaa  | cagattgtga  | tgaaggaagg | agagttgttg | 2597340 |
| aatacagatc  | tccgaattta  | tgctttgggtg | cgtttgggga  | tcaatgatag | tgtgaaaata | 2597400 |
| gccaaatttc  | ttcattgttc  | tcccaaact   | gtctataaca  | atcgtttaaa | gatgcgtagc | 2597460 |
| agggcattgtg | tccctaaaga  | tgaatttgtg  | gagcgtgtga  | aatcgttggg | taaggtacag | 2597520 |
| gataaaccgg  | cctaagttat  | actaataaaa  | tttcaataag  | agtattgggt | aaaaatttgc | 2597580 |
| agatataagt  | tatgttctgt  | ctgacaatac  | ttcggtaaat  | ttttaccgat | aaatttaaat | 2597640 |
| taaacataga  | atcggcataa  | tccggttcaa  | aatttatattc | aagagatcat | tgaaatactg | 2597700 |
| tcaagaataa  | atcgtcaagg  | agtaagaaaa  | gggatgaaaa  | agatatgcta | aacagctgaa | 2597760 |
| aatcaacaga  | aaaagtattt  | cataattcac  | tgatttttag  | taaattagaa | gtacttcacc | 2597820 |
| acttttaatt  | atgactaaag  | aatcactcct  | tatgcaatac  | caatccgagt | gcagaaacgc | 2597880 |
| tctcgaatca  | gctgtaaata  | taagcaaatac | ttttcagaaa  | gtattcatgg | atgcaatgaa | 2597940 |
| attattcatg  | gctataacctg | accgcatcaa  | tttctacaaa  | atgggacggg | atggatgttt | 2598000 |
| ctcggaaacg  | acataccgca  | acaattttga  | gaacgacggc  | tttgactggg | tttccttcaa | 2598060 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgaagccatc  | atcaggggaac | accttaaagg  | tggctgcgaag | gcgatagccg  | ttgatccgctc | 2598120 |
| tttcattcca  | aaatcaggca  | gcaaaacgcc  | gtggattggc  | tatttctggt  | ccggttgtgc  | 2598180 |
| cggtgaatac  | aaacgtggac  | tggaaataac  | cggtattgga  | gttatagacg  | ttgacaacca  | 2598240 |
| tgaatgtatg  | actttgggct  | ctgtacagac  | acctgacaac  | gcaacgctgg  | aaagctgtga  | 2598300 |
| gaagaatctt  | gttgactggg  | acagctctta  | ccttatcagc  | atacaggaac  | agctgaaacg  | 2598360 |
| tatttctggc  | acagtcgtgt  | gtgatgcgtt  | cttttcaaag  | gcaactttca  | tcaaaccatt  | 2598420 |
| gtacgataac  | ggttccacg   | taataagccg  | tttcaggaat  | gatgccgtat  | tgttttatcc  | 2598480 |
| caccttagaa  | aataggacag  | gaaaacgcg   | acgtccaaaa  | ttacatgacg  | agaaaattga  | 2598540 |
| ctttgaaaa   | ctggacatca  | caagatgtac  | cgagtacaaa  | gtgaacaagg  | gtaaacttta  | 2598600 |
| cggactgaaa  | gcatactcca  | aagcactcaa  | acgctttgtg  | agcctggctg  | tatggtaccc  | 2598660 |
| catggatgga  | agaacggaca  | aatggcagct  | gtatttctct  | acaaacgaaa  | tacagaacgc  | 2598720 |
| acaggatgtc  | ctggactttt  | acagaacacg  | tttccaactc  | gaattctgct  | ttcgggatgc  | 2598780 |
| caagcaacat  | gccggaatag  | caaactgtca  | gtctacagac  | ttcaggaaac  | tggcattcca  | 2598840 |
| ctttaatgca  | tcacttgacg  | cgataaacct  | cgccaaggct  | gcctgtaaga  | agatgggaat  | 2598900 |
| aaaatattcc  | atatcatcat  | gcaagtcagt  | catacacaat  | gcttacatgc  | ttgaacgatt  | 2598960 |
| tatttgcgtg  | tctgggattg  | aaccaaacac  | gcaattaatt  | gacaaaacttt | tcaaagaact  | 2599020 |
| catttttattt | actgccagag  | ccgcttaggc  | tgggctaatt  | tttaacgaac  | tattggtctg  | 2599080 |
| aaataagtgg  | attgcttaat  | ttaaacttga  | tttaatatata | aaataaatat  | aatctggaac  | 2599140 |
| atagtaatgg  | atttatagt   | tcaagttata  | gagatttttg  | gtatgactga  | tgatttttgc  | 2599200 |
| aaggaatttg  | ttctaaaaga  | agaaaaatat  | ataattgaag  | actagagaaa  | agattcttca  | 2599260 |
| aaaatcctaa  | ctaactacat  | gagcgattct  | tggattatca  | tggttgatct  | tatcttattt  | 2599320 |
| cattctagcg  | gttttattac  | ttcaagtatt  | attacaagaa  | gtatgtcagc  | aaacattgat  | 2599380 |
| aaactatgtg  | tgggcaagga  | atatatggga  | aatcctctgt  | tcgagaacct  | tttttaactc  | 2599440 |
| tatatagctt  | ttgtcactaa  | gatcaagaat  | gatatgagga  | atttccta    | gaatattgct  | 2599500 |
| gacaatat    | cgttgagaaa  | aaggattttg  | attcgggtcaa | tgggtgaattg | aagaacattt  | 2599560 |
| tcctgattga  | acattctata  | aattgttttt  | taacaacttc  | attgcaaatt  | cggtttcttc  | 2599620 |
| cattatggta  | tactgtctct  | ttttccttgg  | gaaggaattt  | gtcattgagg  | tgaactttat  | 2599680 |
| caatggtaga  | caatttacta  | cttcctaatt  | ttatttttaa  | ctagtaagat  | aatgcttgag  | 2599740 |
| taagaattgg  | gattgaaaac  | aatgatacta  | gggacattgt  | cggttgtaga  | tttgggagta  | 2599800 |
| agggtgttgg  | ttcaaaaagt  | tttagagcaa  | tgatgatatg  | tgaaagatgt  | aagaattatt  | 2599860 |
| gctcctgaaa  | atatgaatcc  | ggcttcaatg  | ggtttctaaa  | aaatagttga  | aaagtttact  | 2599920 |
| tttaagacct  | cttgcttttt  | gtgtaatttg  | ttggttataa  | ataaactatg  | tgtttttttag | 2599980 |
| atttactcct  | tatctttacc  | ggttcgtaca  | ataaaagaag  | ttaaatttta  | tttttgcac   | 2600040 |
| aacagaaaagc | aaaagtaaag  | ttaactta    | ttatttctaa  | ttatgaaaaa  | acacttcaaa  | 2600100 |
| cacccccagt  | tgtaaggaa   | atatttctctg | actggatgtc  | tgttgcttat  | cgtttctttt  | 2600160 |
| ggagcttcag  | ccaacatgc   | aaaagacaat  | tccacttctc  | ctaatacagga | gtatacccaa  | 2600220 |
| cagggatatta | ctgtaaaaagg | aacagtaaa   | gatcaaaactg | gtgaaacaat  | cattggtgct  | 2600280 |
| aatgtattag  | taaaaggaac  | gaccaatggc  | attattaccg  | actttgatgg  | tcagttcgta  | 2600340 |
| ttggagaatg  | ttcccgaagg  | agctattatt  | gaaatttctt  | ttgtagggtta | ccttccacag  | 2600400 |
| gaagtaaaaag | cttcttctac  | tcctttaaat  | attgttttaa  | aggaagatac  | acaaactctc  | 2600460 |
| gaagagggtg  | tagtagtagg  | ttatggtgta  | caaaagaaaa  | gtgtagtaac  | agcatccatt  | 2600520 |
| gcaaaaagtat | cctccgaaga  | tctcgaaaac  | aaagcacctg  | tacgtatgga  | taatgcattg  | 2600580 |
| aaagggtttg  | cttcagggtg  | agatgttact  | tcagcatcgg  | ggcagccggg  | tgatgctcca  | 2600640 |
| cgcggtgcgta | ttcgtggtat  | tgggtacaata | aataatagtg  | atccgcttta  | cattgtagac  | 2600700 |
| ggtatgccta  | tcagtggtgg  | attagatttt  | gtaaatccta  | atgatattga  | atctatagag  | 2600760 |
| gttttaaaaag | atgccgcac   | tgggtgccatc | tatggtgcac  | gtgcagcaaa  | tgggtgttatt | 2600820 |
| cttgttacta  | caaagaaaag  | taaaataggt  | aaagctagta  | tttaattataa | cttttcttac  | 2600880 |
| ggttggcaga  | gtgcttgga   | acatcgtgat  | gtgactagtg  | cgaccgatta  | tgctattttg  | 2600940 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| cagaatgaaa  | aatatataaa | tggtggtcag | gctcctatct  | atgcagatcc  | atataatctg  | 2601000 |
| accgacttaa  | acggaaatcc | tatcacgggc | tttgggtactg | actggcaaga  | tcttgatattt | 2601060 |
| tatgataacg  | caccagttgt | caatcatgac | gtatccatca  | gcggcgcac   | ggagaaagt   | 2601120 |
| aactactacc  | tttcattagg | ttattatgct | caagatggta  | tcgtaggagg  | taattacgga  | 2601180 |
| cagtcaaact  | acgaccgtct | gaccatccgg | tctaacacct  | catatgtact  | tattgatgca  | 2601240 |
| agtaaagaac  | gtaatttcct | gaacaaatta | gatctgaacg  | tgaccatggc  | ttacatgcgt  | 2601300 |
| acccattcta  | caggtgtatc | gaccaactct | gagttcggct  | ctatatggg   | atcggctctt  | 2601360 |
| tatctgtcac  | ctattcttcc | tccaactttg | actggtgaag  | cggcacaggc  | gatgatagaa  | 2601420 |
| aactatagtg  | atttcgactt | accgcatgat | gagaatggta  | atccatatac  | agtgcctggt  | 2601480 |
| tttgaggagg  | catatgctga | aatgaataac | cctttggcca  | tgatgacttt  | accggcaaca  | 2601540 |
| aaaaactggt  | cgcataagtt | cgttcctaaa | tttgctatca  | atctccagtt  | atgggataat  | 2601600 |
| ttgaaatatc  | aattcagtta | tagtgctgat | atgggatttt  | ggggtaatga  | gggtgcaact  | 2601660 |
| acaagcaact  | attatctgtc | tggaaacaat | aatgcgagcc  | atacaagtgc  | cagtgcattc  | 2601720 |
| aaggcgcaaa  | atgttacatg | gcagattgaa | aatacactta  | cttacgataa  | gactatcgat  | 2601780 |
| aaacatagct  | ttggtatagt | gttaggacag | tctgcattga  | aatataaagg  | cgatcagttg  | 2601840 |
| ggaggtagcc  | gttgaatttt | agttaatgtc | aataagccgt  | ctatcgatta  | tgcgacaggt  | 2601900 |
| aatatccaat  | atactacgga | tgctaaccgg | aatactgttg  | ctactccaca  | gttcagtgtg  | 2601960 |
| tacggtggtc  | catatactga | acataccatg | gcttctatgt  | ttgcccga    | gaattacaac  | 2602020 |
| tacgatgaac  | gctacatgct | tcaggcaaca | gtccgtcgtg  | atgggtccag  | tcgttttgga  | 2602080 |
| agtaacaata  | aatatgggat | tttcccttct | ttctctgcgg  | gatggaacat  | tgcaaacgag  | 2602140 |
| atgtttatgg  | aagacaccg  | taattgggta | tcaaacttta  | agcttcgttt  | cagttggggg  | 2602200 |
| aagaatggta  | acgataatat | tggagacttc | gcataacct   | caatgacatc  | tatggggaat  | 2602260 |
| aatgtgctat  | ttggtgaaga | tgctataaaa | ttcaatggtt  | cgaagctaa   | tagacttcag  | 2602320 |
| aaccagatc   | tgaaatggga | agaaagtga  | cagactgata  | taggtattga  | ccttgatta   | 2602380 |
| ttaggaaacg  | cattgacatt | cagcgctgac | tattatatca  | agaaaacaaa  | cggtatgatt  | 2602440 |
| cttgaatgac  | ctattccaag | ttatgttgg  | gaaagcaagc  | ctttaggaaa  | cggttggtgat | 2602500 |
| atgcagaaca  | gtggtattga | gctggaattg | ggttacagat  | ggagtatcgc  | cgatgcaaat  | 2602560 |
| ttctcagtta  | aaggtaatgc | aacttacttg | aaaaatgaat  | tgaagaatct  | aggaaatgaa  | 2602620 |
| accggatata  | tggatttgga | tggatccag  | ggttatagtg  | gagggtggaac | acgagcttct  | 2602680 |
| aatggacaac  | ctttccctta | ctttttcgga | tataaaacgg  | atggagtatt  | ccagaatatg  | 2602740 |
| gatgaagtga  | gagcatatac | agacaaaaaa | ggtaatatga  | ttatgcctaa  | tgccgttccc  | 2602800 |
| ggagataccc  | gatttgttga | tgtcaatggt | gatgggaaaa  | tcactcccga  | tgaccgtaca  | 2602860 |
| aatattggta  | acggtacacc | tgactggaca | tttgggtctga | atctgaatgc  | agactggagg  | 2602920 |
| gggatcgatt  | tcaatatctt | cttccaagga | gtagccgggtg | ctgatgtgtt  | tgacgggtact | 2602980 |
| ttccgtaatg  | atgtggcttc | tggtaattat | ccgtcgtggg  | tattgggaag  | atggaccggt  | 2603040 |
| gaaggaacct  | caaacaata  | tcctcgtctg | gctgtgggaa  | atgacactaa  | ctggatggta  | 2603100 |
| tcagatttgt  | acatttgcga | tggttcttac | ctgcgtttga  | agaatattac  | tttaggatat  | 2603160 |
| actctaccta  | aatttattac | tagaaaaata | gctattgaac  | gtctgcgtgt  | ttatgtgcag  | 2603220 |
| gctgagaact  | tgatgacttg | gacaaaatat | tggggatttg  | accctgaaat  | ttcttcaagc  | 2603280 |
| gcaacgtcat  | tgggtgttga | ccgtgggtga | tatccgcaag  | cacgtatttt  | tactatcggt  | 2603340 |
| gctaataatca | ctttctaatt | aatctataaa | agaagaattt  | atgaagacaa  | ataaaatatt  | 2603400 |
| tactattggc  | ttgatagctg | ctgcaactct | tataacagga  | tgtagagata  | gctttctgga  | 2603460 |
| agtggaaaat  | ccaagtggcg | aaccattgga | ggaatattat  | accactgatg  | cccatattca  | 2603520 |
| agaggcactt  | attgcggcct | atgatccgat | acactgggcc  | gattggggct  | tagggcagta  | 2603580 |
| taatgcactg  | aatattgatg | ctgaagtaat | gggtgacaac  | ttttgggttg  | gtggccagag  | 2603640 |
| tactaccgat  | atgcagaact | ggcatatgct | gtttaatttc  | gaggctaattg | aaaacaatac  | 2603700 |
| tttcggttct  | ctgtggactg | tagactattc | tgggtgtgaaa | cgttgcaacg  | atttgctgct  | 2603760 |
| atatctcaat  | tgggcaacgg | atttaacgga | tgctaaccga  | cagagttacg  | agatgcaggc  | 2603820 |

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|             |             |             |            |             |            |         |
|-------------|-------------|-------------|------------|-------------|------------|---------|
| tcgtttactt  | agagtcttct  | attataatat  | gctgtggcat | tactttggaa  | atataccttt | 2603880 |
| ttatctcgaa  | aatctttctg  | aaccacccta  | tacagtcctt | caatatactg  | cagatcaggt | 2603940 |
| ttacaatgag  | ctgattactg  | aacttgaggc  | tgtgataaac | tctcacgttc  | tgccgatgaa | 2604000 |
| atattataag  | gatgccaacg  | gtatggatga  | tgagggacaa | ctaggacgtg  | ttactcaagc | 2604060 |
| aatggcttat  | atgatatatg  | ccgagatggg  | aatgtatcag | aacgatgaaa  | gccggttcgc | 2604120 |
| tactgcactt  | aattatatga  | aagagattat  | tgcagatccg | ggatatgatt  | tgaatcctag | 2604180 |
| ctatgccaat  | atttgggaaa  | ctgaaggaga  | gtggtgtatt | gagtctatct  | gggagattaa | 2604240 |
| ctacgagcag  | gctaactcag  | agcgtggatg  | gagcagtcct | ctggcagtag  | gtggtactgt | 2604300 |
| gttgccctact | cttattttcac | ctaactcttt  | cggaggagat | gaaggctggg  | ctcaagggtg | 2604360 |
| tgatggctgg  | ggattccttc  | ctgtacgagt  | agaaacttac | gatatgtttg  | ataaggctga | 2604420 |
| cgtacgtcgt  | gaagctactt  | ggttgggattt | gcgccaatca | gacgtaactt  | atactgcacg | 2604480 |
| ttatcaggat  | actcgtatct  | gggtgaataa  | ataccgtcct | tatgataaga  | attataagtc | 2604540 |
| agctcctttc  | gacaaaaact  | taaaactataa | taataacctg | cgctattacc  | gttatgccga | 2604600 |
| aactttactt  | aacgcagccg  | aactttcact  | tcgtacggga | ggttctggta  | ccggtgatgc | 2604660 |
| aaagacttgg  | ttaaatttag  | tacgtaatcg  | tgcaggtttg | gctggtctgg  | acaaggtgac | 2604720 |
| cattgatgat  | gtgctgacag  | aacgccattt  | ggagtttgtt | ggggaaggca  | aacgatattt | 2604780 |
| tgacttagtt  | cgtgcggaag  | gtattagtgg  | tgtatcaagc | aaaaacaagg  | cttctacagc | 2604840 |
| acttgttccc  | gactcttacg  | gatatcgtac  | caattcatgg | actcctcaga  | aaaaatatat | 2604900 |
| acctatcgct  | cagagcgaat  | tagactctga  | tccggctttg | gttcaaaaca  | actattaata | 2604960 |
| accttataat  | gacaaaaaca  | tatgaaaaat  | ctacattagt | gtccaataaa  | aatggactag | 2605020 |
| ttaaaaaatt  | aatcaaatag  | tccttcaaaa  | aggggataat | cgagttcttt  | gacatcgttg | 2605080 |
| aaatcagctt  | tatcgaacag  | ttcacgcaag  | ttagttttgt | ccgttagaga  | gatgcttaga | 2605140 |
| atctgcaaaa  | cttcataagt  | tgagcgcttc  | aattgcatat | cgtgttggac  | aatagccact | 2605200 |
| agacagtaag  | tgatgattgc  | tacactgatt  | tgaatgcgga | cagcattttc  | cgttgtgccc | 2605260 |
| cagaatcttt  | ttattttaag  | gtgctgcttg  | agccatttga | agaatagctc  | gaccaaccat | 2605320 |
| cttttcttgt  | agagattagc  | aacgtccaat  | gcagaaatat | gtgttgctgt  | tgtcaggaaa | 2605380 |
| gtgaactcac  | ggtcaccctc  | ttcatcatag  | taacgaatga | gtcgggaatga | ctcgggatat | 2605440 |
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| atcctacgct  | tccatttaac  | cattgtgtat  | ttcaagttcg | tcttagctct  | gacaacgaaa | 2605560 |
| aaggaacctg  | tcaggtgtat  | cctatatagt  | tccttaaaag | agtcataagc  | cctgtcgaat | 2605620 |
| atataataag  | catttggttc  | ataatggatt  | gaacacatcg | ctgtagagtc  | gtgcttcgat | 2605680 |
| gctgtggtta  | cagtatagaa  | ggcaggaact  | tgtgcttcaa | tgtcatataa  | gacatgagct | 2605740 |
| ttgacacctc  | ctttctttct  | tcggaacttc  | gcccatggaa | atgtggctag  | acataacgga | 2605800 |
| atagttgttg  | aatcaaaaagc | atacttatcc  | cctggaatat | ccaagatgtt  | ggtcgctcgc | 2605860 |
| ttttcacaag  | cttccttcat  | tatatagaat  | gcgaagtctt | caaagattct  | gtagtcacga | 2605920 |
| ttctgattag  | cataagcgag  | ggtggctttg  | gctattggat | tgcgtcccag  | accaagatga | 2605980 |
| tattgcttgg  | cttgatgcgc  | ttcaaaaagct | acaattaagt | cgcggaagact | ctcacgattg | 2606040 |
| ctcagttgtc  | cgaacatcat  | agcaagtaac  | tgattccagc | aggtgaattg  | tttcacgtag | 2606100 |
| cgattaccat  | tatacttgcg  | aacaaagtta  | ttgaattgtg | ttctgttcat  | aaaagcggtg | 2606160 |
| agttgagcga  | atacgtatct  | atcttggttc  | ataagcggca | ttcaatttga  | ccgctaagct | 2606220 |
| acgaattcaa  | atccgtttca  | ttctaaaata  | ctgttttaaa | gactgtatct  | caacaatttc | 2606280 |
| aaaggcccat  | taaccaactt  | ttattggaca  | gtagtgtatt | cagataagaa  | gttttatcgc | 2606340 |
| cctcgtccaa  | atacaaatga  | gcaaggatat  | acgcattcag | cgcatacagg  | taagtatcca | 2606400 |
| accagatttt  | gcttacagca  | tcaatcagtt  | ctttttgtat | ctctggtact  | ttatcagctc | 2606460 |
| ctctactcct  | tcctccttta  | taccaaagat  | aaagcggatg | ctccggagta  | atcaacatgc | 2606520 |
| aaatggaatc  | acgataaagc  | atttctttgt  | tgtaatattc | ccgttggctt  | ttagcatcat | 2606580 |
| ctcctatata  | ttgtccaaaa  | tgagaataca  | gataaatcat | ttctccataa  | tactcaattt | 2606640 |
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| acagacctgt  | tgccgtcaat | aaatgtgact | tctttatctt | ccactcta    | acacgctctt  | 2606760 |
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| catcataggc  | ataatactcg | tcatagaatt | ttttattcaa | ccaatattcc  | tcttccaaag  | 2606880 |
| aagaaacagt  | cgccttttgc | aaccgaagtt | gagaaatcct | caattctttc  | tctttttcaa  | 2606940 |
| ttatttcttt  | tttgccgata | agagaatcca | gttttaataa | aagtttctct  | atttctttat  | 2607000 |
| ttttcgggtc  | tgcaattaac | ggtgctgcaa | taaaaaggaa | taaaagactg  | aagagggttt  | 2607060 |
| tcatacgcaa  | ctctttataa | ttggttaaac | tgataacaaa | gatatgatct  | ttatttttta  | 2607120 |
| taacattata  | taattataat | taagtcacat | ttttaatatc | aatacttcgg  | taaattttta  | 2607180 |
| ccgataaatt  | aaaattaaac | atagaatcgg | cataatccgg | ttcaaaaatta | tattcaagag  | 2607240 |
| atcattgaaa  | tactgtcaag | aataaatcgt | caaggagtaa | gaaaagggat  | gaaaaagata  | 2607300 |
| tgctaaacag  | ctgaaaatca | acagaaaaag | tatttcataa | ttcactgatt  | tttagtaaat  | 2607360 |
| tagaagtact  | tcaccacttt | taattatgac | taaagaatca | ctccttatgc  | aataccaatc  | 2607420 |
| cgagtgcaga  | aacgctctcg | aatcagctgt | aaatataagc | aaatcttttc  | agaaagtatt  | 2607480 |
| catggatgca  | atgaaattat | tcatggctat | acctgaccgc | atcaatttcc  | tacaaatggg  | 2607540 |
| acggtatgga  | tgtttctcgg | aacagacata | ccgcaacaat | tttgagaacg  | acggctttga  | 2607600 |
| ctggttttcc  | ttcaatgaag | ccatcatcag | ggaacacctt | aaagggtggc  | gcaaggcgat  | 2607660 |
| agccgttgat  | ccgtctttca | ttccaaaatc | aggcagcaaa | acgccgtgga  | ttggctattt  | 2607720 |
| ctgggtccgt  | tgtgccggtg | aatacaaacg | tggactggaa | ataaccggta  | ttggagttat  | 2607780 |
| agacgttgac  | aaccatgaat | gtatgacttt | gggctctgta | cagacacctg  | acaacgcaac  | 2607840 |
| gctggaaaagc | tgtgagaaga | atcttggtga | ctggtacagc | tcttacctta  | tcagcataca  | 2607900 |
| ggaacagctg  | aaacgtattt | ctggcacagt | cgtgtgtgat | gcgttctttt  | caaaggcaac  | 2607960 |
| tttcatcaaa  | ccattgtacg | ataacggttt | ccacgtaata | agccgtttca  | ggaatgatgc  | 2608020 |
| cgtattgttt  | tatcccacct | tagaaaatag | gacaggaaaa | cgcgacgctc  | caaaattaca  | 2608080 |
| tgacgagaaa  | attgactttg | aaaatctgga | catcacaaag | tgtaccgagt  | acaaagtga   | 2608140 |
| caagggtaaa  | ctttacggac | tgaaagcata | ctccaaagca | ctcaaacgct  | ttgtgagcct  | 2608200 |
| ggctgtatgg  | taccccatgg | atggaagaac | ggacaaatgg | cagctgtatt  | tctctacaaa  | 2608260 |
| cgaaatacag  | aacgcacagg | atgtcctgga | cttttacaga | acacgtttcc  | aactcgaatt  | 2608320 |
| ctgctttcgg  | gatgccaagc | aacatgccgg | aatagcaaac | tgtcagtcta  | cagacttcag  | 2608380 |
| gaaactggca  | ttccacttta | atgcatcact | tgcagcgata | aacctcgcca  | aggctgcctg  | 2608440 |
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| catgcttgaa  | cgattttatt | gcgtgtctgg | gattgaacca | aacacgcaat  | taattgacaa  | 2608560 |
| acttttcaaa  | gaactcattt | tatttactgc | cagagccgct | taggctgggc  | taatttttaa  | 2608620 |
| cgaactattg  | taatataatg | tgagttcgac | ataagaataa | atataatcga  | ttggaatatc  | 2608680 |
| gaaagtatta  | aatttataag | gaccaattat | aactttttac | gattatcact  | acattcccca  | 2608740 |
| aatccaaaat  | tacagtgatt | tattgtatgg | ctgatgattt | ttgcaaggaa  | tttactactac | 2608800 |
| agcagaaaaa  | atatacgact | gaagacaaga | aacagaaaca | tcgcatttta  | gaaccagtat  | 2608860 |
| gcatagaacg  | acctattccc | ccgtattgtc | tatacggttc | cactttatat  | tttcttggca  | 2608920 |
| aaagcaaatc  | atccatcaaa | accgtatata | attaagtgtg | aaagcgatta  | ctattttcaga | 2608980 |
| tatgcatttt  | caaatctaga | acaaaatacg | ttcccgttaa | ctaatttagc  | ctgaaaacag  | 2609040 |
| caactctctt  | tgatacccat | atcgctgaaa | aatacaggat | accaaccatc  | ccttctgtcg  | 2609100 |
| atatagatgt  | tacctcattt | atctgtgcat | ccatcagagt | aaaacgctgt  | taaaacggcc  | 2609160 |
| tcccaaatat  | caggtaaaaa | aagttatcaa | ccaatcttaa | tcttctgtct  | gctcctcggg  | 2609220 |
| ccagttcaca  | agataaagta | cttccgtagc | acgggtaaag | gcgggtataca | gccaacggta  | 2609280 |
| ataatcgggg  | gtaagcatct | cctccgtcat | atagccctga | tcgacaaata  | cacgctgcca  | 2609340 |
| ctggccgccc  | tgtgccttat | gacacgttac | ggcataggcg | tatttcacct  | gaagtgcatt  | 2609400 |
| ataccacgta  | tcctccttta | tttttttcat | ccgttcacgc | tttacggtaa  | tgtcaccgta  | 2609460 |
| atcttctctg  | acagcctgaa | acagcctgtc | actttctctt | cgtgtgagag  | caggggaatc  | 2609520 |
| cgagtgcagg  | gtatccagca | gaatctttac | atcgagttcc | aagtcgttgt  | aatcgggaaa  | 2609580 |

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|            |            |            |            |             |            |         |
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| gcataaggtg | acatcggcaa | aacggaaacc | atacatttcg | tgcgtgacg   | gcacccgacg | 2609640 |
| tactacggca | atatctccat | tggcaatgaa | atccatttcc | ttgcagtccg  | ccccccagta | 2609700 |
| ataattgttc | ttggccacca | tcagcaaadc | gccggtattc | agttcatcct  | ccctatataa | 2609760 |
| tatggtgtta | cgtattccct | tattatacag | attggcagcg | ttgttcgagc  | ggcagataat | 2609820 |
| cattgtttca | tccatgcctg | ccttgtcata | acactcattg | atggatcaa   | tcagctctcc | 2609880 |
| tccggagatg | atccggatat | cggggaaacc | atccgccttg | atccgcggca  | acgaaaaata | 2609940 |
| ctcttcctcg | gctatatatt | gcctgagcga | tgctgcatta | tacaaaatgc  | cggaatcctg | 2610000 |
| ttcctgacgg | acaacctgtg | tcaggcaatg | ttccgtcacc | tccagtccgt  | agccttccag | 2610060 |
| catggaagcc | gacaaagcgg | gactttcctc | ctcgcctaca | ggaggcaact  | gcgccgtgtc | 2610120 |
| gcctatcagc | atcagccggc | agccctgtcc | ggcatacaca | tagtgtatca  | gatcgtccag | 2610180 |
| caggcggccc | gtagcgaaca | ttcctcccga | aagcccctcg | ttcgcaatca  | tcgatgcctc | 2610240 |
| gtcgacgatg | aacagtgtat | gctgggtgag | gttcgcgttc | attacaaaat  | tatccaactc | 2610300 |
| gttggaatac | gtccgctgcc | gataaatctt | acggtgaatg | gtataggccg  | gatggcccg  | 2610360 |
| atagtgtgaa | aagacctttg | ccgcacgccc | ggtaggagcc | agcagcacgc  | acttctgctt | 2610420 |
| cagctggtcg | agcgtcttga | ccaacgcact | gattaaagtg | gttttacctg  | taccagcata | 2610480 |
| gcctttttaa | aggaaaatag | catcggtttt | cggggaaaac | aaaaaattta  | caaaagattc | 2610540 |
| gatagtaatt | tcttgctcac | ctgttggttt | atagaaaaaa | tttcgtttta  | tttgctgcga | 2610600 |
| taaatcatta | tttaacataa | atatctaata | aaaagttcag | ataactttta  | cgtggttcaa | 2610660 |
| gttatttatt | ttatttttgc | gctacgaata | taaactaaaa | aaacaaatat  | tatcatgaaa | 2610720 |
| acagtattta | atcttggttt | agctgcctgc | gctattgttt | tggatatacat | ttgctacggt | 2610780 |
| agtattatgg | gtcctatcaa | ctttgaaaaa | gagaaaaaaa | tccgtgaaga  | tgctatcatc | 2610840 |
| gcacgcttaa | ttgatattcg | taaagctcag | caggaatatc | gtacagtaca  | cgctggtgca | 2610900 |
| tacactgcaa | gcttcgatac | tttgatcaat | ttcgtaaaaa | cagccaaact  | gccgttcatc | 2610960 |
| atgaaagtgg | gtgccttgac | agacgaccag | ctgaacaacg | gtatgactga  | aaagaaagca | 2611020 |
| atggaactta | tcaacaaggc | taagaagagc | ggtaactgga | gtgaagtaga  | aaaagctggt | 2611080 |
| ttgcagaact | tccgtcgtga | tactatgtgg | gtagccgtta | tggatactat  | ctttgctaaa | 2611140 |
| ggattcaatc | ctgattctct | ggcattcgtt | ccttacggaa | acggagctaa  | atttgaaatg | 2611200 |
| gctatccgta | aagatactac | aaaatcgggt | gctcctctaa | acttgttcca  | ggctcagggt | 2611260 |
| tcttatgatg | tatatctgaa | agacttggtt | aaacaacagc | tgatcaactt  | gaaagatact | 2611320 |
| caggaaaaat | tgggtaaata | ctgtggtctg | agagttggtg | atattgaaca  | gcctaataac | 2611380 |
| aacgctggta | actgggaata | acttattttt | gaccaacgaa | aatatcgatt  | ttacaaaatc | 2611440 |
| aaaacaatat | acattatcca | tccgtctgag | tacggatgga | ttttcttttt  | ctgtctataa | 2611500 |
| ccctatagaa | gaatgtgact | tctactttca | gacgtatccc | gtcaataccc  | aacagtcaat | 2611560 |
| ggccgcaaat | gtaaaggcct | ttctggcgct | aaccaaagaa | ctaaaatata  | cctaccgaca | 2611620 |
| gataaatatc | ctcatccata | cagctcgcta | tacttctgta | cctttagaat  | tattcgaaga | 2611680 |
| cgagcaaatg | gaaactatct | tttatcaaaa | tttccggaaa | caaagtaacg  | aaatcatttt | 2611740 |
| gtgcaacgta | ttaggaaaaa | gtaacttagt | aattttgttt | ccgatagaca  | aactaacaca | 2611800 |
| cctatttttg | tcagaacagt | tccctactgc | acgctttttc | tcaactatca  | gtcctcagat | 2611860 |
| tgaatatctt | accagtcgaa | gcaaattagg | aaacagttat | aaaatatatg  | ctaatatcca | 2611920 |
| tgcttgacgt | atggatgttt | ttgccctcga | caagggtaaa | ctccaacttg  | ttaataccta | 2611980 |
| tgcgataaac | gatgtaagt  | actctatgta | ttatctgttg | aatatttgga  | aacagctggc | 2612040 |
| ttatgaccaa | gagcacgatg | agatgcactt | gaccggagac | aatataaact  | accgacaaca | 2612100 |
| actttctgaa | gaattgaaac | catttatccg | acaattatct | attattaatc  | cgcaagcgga | 2612160 |
| cttcaatacg | tcgcatacag | cacgcataga | agacatcccg | tttgacattc  | aatctttact | 2612220 |
| aatatgcgag | taatcagtgg | catttataaa | cgccgtcgct | tcgacgtacc  | tcatacattc | 2612280 |
| aaggcacgcc | cgacgacaga | ttttgcaaaa | gaaaatcttt | tcaatgtact  | gaccaattat | 2612340 |
| atcgattttg | aaggatcac  | ggctctggac | ctttttgctg | gaacaggaag  | catcagcatc | 2612400 |
| gaactggttt | cacgcggatg | cgatcgtgtc | atctctgtgg | aaaaggatcc  | tcaacaccat | 2612460 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
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| gatgtgttca  | gatacatgga | acggtgcaac | gaacagttcg | atttcatctt  | tgccgatccg  | 2612580 |
| ccgtatgcct  | taaaagaatt | ggctacaatc | cccataaaaa | tctttgagca  | tcatctcctc  | 2612640 |
| aagccagacg  | gaatcttcgt | tctggagcac | ggaaaagacc | aaaatttcga  | gaatcatccg  | 2612700 |
| cactttaccg  | agcatcggca | ttacggaagt | gtgaatttct | ctttcttccg  | ctaaatatgc  | 2612760 |
| tccgcagttt  | atcgggtaat | atgtcccgcc | aaaggctgta | agaatagaag  | aaattaccgg  | 2612820 |
| atatccgaaa  | aataagggat | agcaaaaata | aaaaagaaat | ataaatgatc  | ttgccagaaa  | 2612880 |
| cgctattatg  | aagtacggca | ggatcatttt | ttatgcctgc | cacttgtttc  | acgaaacagc  | 2612940 |
| tagagcaacg  | gagcaagcag | acgaacgaca | gattccatca | ccttattttt  | ccacgagcgc  | 2613000 |
| tgtgaccata  | tcttacgcga | caattgcaag | caagatttct | ggctctgaca  | gaaaacctcc  | 2613060 |
| ttcagctgct  | ttatgggtgc | cttgctgtaa | agaatacat  | tagcctcgaa  | gttatgttca  | 2613120 |
| aaactgcgga  | aatccatggt | tgtagaacct | accgaggcaa | actcgtcatc  | ggataccac   | 2613180 |
| aacttggaat  | gcaagaatcc | tttacggtag | aaatagactt | ttacaccgcg  | tttcatcagt  | 2613240 |
| tcgtccagat  | atgagagtga | tccttcatgc | gtaagaaacg | tatcggcccg  | tttggaagc   | 2613300 |
| ataatacgt   | catcgactcc | agccagtgc  | gctatctgaa | aggccgccat  | cacttcttca  | 2613360 |
| gcaggcaaaa  | aataaggagt | ttctacgtaa | aagtaatgtc | tggcactgca  | tacggctttc  | 2613420 |
| attaatccct  | gcatcatgtc | gtgccattct | cccacaggat | cggatgtcac  | cacctgtgca  | 2613480 |
| atggcagttc  | ctctatcggg | tatcttagga | taatatcgg  | cggacgtaag  | taaagtacgt  | 2613540 |
| tccacgacgt  | accagtccgt | caggaatgag | ctttgcagac | cgtatacgcc  | ctttccttct  | 2613600 |
| atgcgacat   | gggtatctct | ccagataccc | catgaaaacc | ctttaacata  | cctttctgcg  | 2613660 |
| atattcattc  | ctccgataaa | tccaaccgga | ccgtcaataa | cggctatctt  | gcgatggtta  | 2613720 |
| cgataattaa  | ccttgctcgt | aaaacgtgga | aaacggacct | tcagaaaagct | ctgtacctcg  | 2613780 |
| ataccttcgc  | atagcatctg | gtcataaaac | atcgaatcga | ccttccagca  | tcccacatca  | 2613840 |
| tcatacagca  | aacgtacttt | cactccctga | cgtgccttat | ctatcaacaa  | atcacgcaac  | 2613900 |
| aaacgaccaa  | cagcgtcatc | ttcgaatata | taaaactgca | aatgaatatg  | atgggtgtgcc | 2613960 |
| agactgattt  | catgcatcag | tgctgcaac  | atggaatata | cgtcgggtata | aatatctaca  | 2614020 |
| gtattcccct  | caaaggccca | ggcgtcattg | acacgagaaa | aaaaagacat  | caaatgactt  | 2614080 |
| gtaccagctt  | tttccactaa | tcgctcctga | gcctgatatt | cagccaccgg  | acgtttattc  | 2614140 |
| agacgagaat  | accctttacg | gctgatcaga | cgttcctttc | gagtgtttct  | gccaaagaaa  | 2614200 |
| aaataaaaaag | cgagtccaat | aatcggaaga | aaaaaaagta | ccaggatcca  | cgccatggtc  | 2614260 |
| ttcactggat  | tacggttatc | caaaatgacg | ataaatattg | ttgctaatat  | tacgcaaaaa  | 2614320 |
| tacagtacgt  | taaaactatg | cgaaaacagt | tcgttgataa | ctattgtatc  | cataagacat  | 2614380 |
| cggtttaaaag | caaaaataca | agaaattcta | tgaaaagca  | agttcagtaa  | tcgacctttt  | 2614440 |
| tatgcacacg  | cttacatttc | ttctacaacg | gtaacctaca | cacaccgaat  | atcgctttgc  | 2614500 |
| acatatattg  | tcagggttaa | acaaacccta | acagaagaag | tctcaatctg  | agttctaaca  | 2614560 |
| gccttacaca  | aacattataa | agctaaattt | cgcagttcag | aaaagtcata  | aaaagccttt  | 2614620 |
| tctgttccga  | tagctaatat | tatgtctaag | taacaaacat | cacaggttct  | tacactgatc  | 2614680 |
| cgtcttttta  | cgtaatttcc | tgaataaaga | actttctttc | aaagtttagg  | gaaataaaga  | 2614740 |
| ataaagcatt  | cttattgttc | agacctgcta | aaatgcatac | ttaatcgaca  | aatccctcag  | 2614800 |
| gtttttacgt  | tgatccatca | ttaacttctt | tgaaaagcat | tccacaaatg  | ctgcatctga  | 2614860 |
| gtccttcaat  | gcaaaaataa | agagcttccg | ttcacagctc | agaggagtaa  | aggataaggc  | 2614920 |
| cttctttttg  | ttcaggctgg | ctaaaattta | tgccgggcca | aaaatcccc   | aggctgtacc  | 2614980 |
| ctgggttacag | gaattctcac | gcaaaagaaa | actcagcctg | gcgggcgcac  | gcctgaagcc  | 2615040 |
| gacttatccg  | gtacaaagaa | aaaagaaaag | agtacccgca | ctccagcgtc  | ggagttcccc  | 2615100 |
| gtcgcgtccg  | ggcataaaaa | aagggtccgc | agcgtcggtg | ctgcaggacc  | tcttcaagac  | 2615160 |
| ggcgactacc  | tactctccca | cttgcgagc  | accatcggcg | tgacgaagct  | taacttctct  | 2615220 |
| gttcggaatg  | ggaagaggtg | gaaccttcgt | gccatagtca | cctgaatatc  | gttttatgta  | 2615280 |
| ttcatgactc  | acaagcaagc | aattccagca | cttgtttcaa | agctgaaagt  | atatatcatc  | 2615340 |



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|             |             |             |            |            |             |         |
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| ctttacacct  | gcacacctatc | aacgtcatcg  | tctttgacga | ccctgagaaa | tctaattcttg | 2615460 |
| tggccggctt  | cgtacttaga  | tgctttcagc  | acttatccga | tcccgactta | gatacccggc  | 2615520 |
| gatgcacctg  | gcggcacaac  | cggtaaacca  | gaggtcggtc | caacacggtc | ctctcgtact  | 2615580 |
| agtgtcagag  | ccacgcaa    | ttcatagcc   | cacgatagat | agagaccgaa | ctgtctcacg  | 2615640 |
| acgttctgaa  | cccagctcgc  | gtgccacttt  | aatgggcgaa | cagcccaacc | cttgggacct  | 2615700 |
| tctccagccc  | caggatgtga  | cgagccgaca  | tcgaggtgcc | aaaccactcc | gtcgatatga  | 2615760 |
| gctcttggga  | gggatcagcc  | tggtatcccc  | ggagtacctt | ttatcctttg | agcgatgtcc  | 2615820 |
| cttccatacg  | gaaacaccgg  | atcactatgc  | tctagtttcc | tacctgctcg | acctgtctgt  | 2615880 |
| ctcccagtca  | agcgcccttt  | tgccattaca  | ctctgcggac | ggttaccgat | cgtcctgagg  | 2615940 |
| gcacctttag  | aagcctccgt  | tacgcttttg  | gaggcgacca | ccccagtcaa | actaccacc   | 2616000 |
| aagcaatgtc  | ctccatccgg  | gagttagaat  | tcaaacaac  | aaagggctcg | atttcaacag  | 2616060 |
| cggctccaca  | aacactggcg  | tgctgtcttc  | attgcctccg | acctatccta | cacatcgct   | 2616120 |
| gccc aaattc | aatgctaagc  | tatagtaaag  | gttcacgggg | tcttttcgtc | ccatcgcggg  | 2616180 |
| taatcggc    | cttcaccgat  | actacaattt  | cactgagctc | acggttgaga | cagcgctccg  | 2616240 |
| atcattacac  | cattcgtgca  | ggtcggaact  | taccgacaa  | ggaatttcgc | taccttagga  | 2616300 |
| ccgttatagt  | tacggccg    | gtttactggg  | gcttcaattc | aatgcttctc | ttgcgatgac  | 2616360 |
| atctcctctt  | aaccttccag  | caccgggcag  | gtgtcaggct | gtatacttct | actttcatat  | 2616420 |
| tcgcacagcc  | ctgtgttttt  | gttaaacagt  | tgcttgacc  | tattctctgc | gccctctctt  | 2616480 |
| gcgaggagg   | acctttatc   | ccgaagtac   | agggtcagtt | tgcttagttc | cttaaccgtg  | 2616540 |
| attcactcaa  | gcgccttagt  | atattcaacc  | cgactacgtg | tgtccgtttg | cggtagcggg  | 2616600 |
| accatggaag  | ttatgtttag  | cggattttct  | cggcagctcg | cttacctgcg | ctgttggatt  | 2616660 |
| gtcccggagg  | acgtccata   | ctgtcaagtt  | cggctcttcc | cgcgattttg | cctgcgggaa  | 2616720 |
| tcagcaccta  | cactctttaa  | cgggctattc  | cgtagcccg  | cggcagtgct | acttctgctt  | 2616780 |
| ctccacgtca  | ccctccaagg  | tagtaacgga  | atattaaccg | tttctgccat | cggcctcgcc  | 2616840 |
| gttcggctga  | gccttaggac  | ccgactgacc  | ctgatccgat | tagcgttgat | caggaaacct  | 2616900 |
| tagtctttcg  | gcgaggggt   | ttctcacc    | ctttatcggt | acttatacct | acatttgctt  | 2616960 |
| ttccatacgc  | tccagagtac  | ctcgcggtac  | gccttcgacg | ccgaatggaa | tgctccccta  | 2617020 |
| ccaaccattg  | ctggttccac  | ggcttcggta  | gacaacttat | acccgattat | tatccatgcc  | 2617080 |
| cgattcctcg  | actagtgagc  | tgttacgcac  | tctttaaatg | aatggctgct | tccaagccaa  | 2617140 |
| catcctagct  | gtcttagcaa  | tcagacttcg  | ttagtttaac | ttagctgtca | tttcgggacc  | 2617200 |
| ttagccggtg  | gtccggattc  | ttctcctctc  | gggcacggac | cttagcacc  | atgccctcac  | 2617260 |
| tcccggggta  | aaactgatgc  | gcattcggag  | tttgtcagga | cttgataggc | ggtgaagccc  | 2617320 |
| tcgcatccaa  | tcagtcgctc  | tacctacat   | cagtaatcca | cgaggctgca | cctaaatgca  | 2617380 |
| tttcggggag  | tacgagctat  | ctccaagttt  | gattagcctt | tcacccttac | cctcagctca  | 2617440 |
| tccagaagct  | tttcaacgct  | tattggtgcg  | gacctccatc | tggtgttacc | cagacttcat  | 2617500 |
| cctggccaag  | ggtagatcac  | ttggtttcgc  | gtctgccg   | gctgactcga | cgccctgttc  | 2617560 |
| agactcgctt  | tcgcttcggc  | tgccgggactc | gtgtccctta | accttgccaa | cgacggcaac  | 2617620 |
| tcgtaggttc  | attatgcaaa  | aggcacgccg  | tactccgtt  | aggagctccg | accgcttgta  | 2617680 |
| ggcgacgggt  | ttcaggtact  | atttcaactc  | tctgttcgaa | gtgcttttca | cctttccctc  | 2617740 |
| acggtactgg  | tccactatcg  | gtctctcggg  | agtatttagc | cttgccggat | ggtcccggca  | 2617800 |
| gattcacgca  | gaattcctcg  | tgttccgcgc  | tactcaggat | accgctatgc | ttcgtcttgc  | 2617860 |
| ttcgaatacc  | gggctgtcac  | cgtcttcggc  | cgaactttcc | agatcgttct | tctcgcaaga  | 2617920 |
| tttcttgcaa  | cgacgcggtc  | ctacaacccc  | acctgtgccg | taacaccggg | ggtttaggct  | 2617980 |
| cttccccgtt  | cgctcgccac  | tactggggg   | aatcattgtt | atcttctttt | cctgcaggta  | 2618040 |
| ctaagatgtt  | tcagttccct  | gcgttagccc  | cttactgtgt | aaggtaatac | ctcttcaagg  | 2618100 |
| tattgggttg  | tcccattcgg  | agattcacgg  | atcaggggtt | atctgcacct | ccccgtgact  | 2618160 |
| tatcgagct   | tatcacgtcc  | ttcatcgctt  | ccgagagcca | aggcatccgc | catgcgcctt  | 2618220 |

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| gctttcgtac  | taaaattact  | ttttgcttgt  | tacatcatgt  | catagaccta  | tttttctata  | 2618340 |
| gtggagaata  | acggattcga  | accgttgacc  | ccctgcgtgc  | aaagcaggtg  | ctctagccag  | 2618400 |
| ctgagctaata | cccccgtttt  | tttgcggtg   | caaaggtaag  | catttacttt  | cgcttgagca  | 2618460 |
| aatttttaag  | gaagtttttt  | cttcgctccc  | ttttctcgag  | gtagtcccag  | gcagagttga  | 2618520 |
| actgccgacc  | tctacattat  | cagtgtagcg  | ctctaaccaa  | ctgagctata  | ggactagctt  | 2618580 |
| gcgtgattca  | gttcaacctc  | gtctgtttcc  | tgactcggct  | tcactctttct | ctctttattt  | 2618640 |
| cgtaaaca    | actcgcatgc  | agcacaagat  | agaaaggacc  | ttcactcggg  | cacgctccag  | 2618700 |
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| gcgattacta  | gcgaatccag  | cttcgtggag  | tcgggttgca  | gactccagtc  | cgaactgaga  | 2618940 |
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| cacgtgtgta  | gccccggacg  | taagggccgt  | gctgatttga  | cgatcatccc  | accttcctcg  | 2619060 |
| catcttacga  | tggcagctctg | gccagagtcc  | tcagcggttac | ctgctagtaa  | ctggccacga  | 2619120 |
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| agcccgggta  | aggttcctcg  | cgtatcatcg  | aattaaacca  | catgttcctc  | cgcttggtgcg | 2619300 |
| ggcccccgctc | aattcctttg  | agtttcaccg  | ttgccggcgt  | actccccagg  | tgggatactt  | 2619360 |
| aatgctttcg  | cttgccgct   | gacagtatat  | cgccaacagc  | gagtatccat  | cgtttaccgt  | 2619420 |
| gtggactacc  | agggtatcta  | atcctgtttg  | ataccacac   | tttcgagcct  | caacgtcagt  | 2619480 |
| tacagcttag  | caggctgcct  | tcgcaatcgg  | ggttcttcgt  | gatatctatg  | catttcaccg  | 2619540 |
| ctacaccacg  | aattccgcct  | gcctcaactg  | cactcaaggg  | aaccagtatc  | aactgcaatt  | 2619600 |
| ttacggttga  | gccgcaaact  | ttcacaactg  | acttaatccc  | ccgtctgcgc  | tccttttaaa  | 2619660 |
| cccaataaat  | ccggataacg  | ctcgcaccc   | ccgtattacc  | gcggctgctg  | gcacggagtt  | 2619720 |
| agccgatgct  | tattcatacg  | gtacatgcaa  | aggccacac   | gtggaccact  | ttattcccgt  | 2619780 |
| ataaaagaag  | tttacaatcc  | ataggacctt  | catccttcac  | gctacttggc  | tggttcaggc  | 2619840 |
| tcgcgcccat  | tgaccaatat  | tcctcactgc  | tgccctccgt  | aggagtttgg  | accgtgtctc  | 2619900 |
| agttccaatg  | tgggggacct  | tcctctcaga  | accctatcc   | atcgtcggct  | agggtgggccg | 2619960 |
| ttacccccgcc | tactacctaa  | tggaaacgat  | ccccatcgct  | taccgataaa  | tctttaatct  | 2620020 |
| taattacatg  | tgtgcttaag  | ataccatcag  | gcattaatct  | ttctttcgaa  | aggctattcc  | 2620080 |
| tgagtaagcg  | ggagggttga  | tacgtgttac  | tcaccctgc   | gccggctgcc  | atcaaactta  | 2620140 |
| gcaagctaag  | ttcatgctgc  | ccctcgactt  | gcatgtgtta  | agcctgtagc  | tagcgttcat  | 2620200 |
| cctgagccag  | gatcaaactc  | ttcattgtaa  | aatatctttt  | tactcttgcg  | agtacttttg  | 2620260 |
| tctctgttca  | ggtaacgaa   | tgtctttact  | ttgttcaaat  | attgacggtt  | ctttcttttt  | 2620320 |
| caccgcatat  | acattattat  | atatgacagc  | tacttcttgt  | actacatctt  | cgtttgttta  | 2620380 |
| tctaaagtct  | ttcaaagaac  | tatttccttt  | tttgtggctt  | ccgttcggtg  | tcgaaagcgt  | 2620440 |
| ttgcaaagt   | aggagctttt  | ttcgaaaccg  | ccaaactttt  | tcgaaagt    | ttttcaaaaa  | 2620500 |
| gttttttttag | cggcggaagt  | tgactccgtc  | cggctgccgt  | tctcgctccc  | ttaacgccgt  | 2620560 |
| taaggtaaga  | tacttggaac  | gcctcagaac  | cgctgcttcc  | tgctccgttt  | cctttcagat  | 2620620 |
| tgtcatctct  | tcaacgtctt  | tcctctcga   | aagcgggtgc  | aaaattacgc  | actttttcgc  | 2620680 |
| tttctccaac  | ttttaccac   | actttttttt  | caattttttt  | gcaagaaaat  | tcataaatcg  | 2620740 |
| ctgtgtctca  | ggtatgtttt  | acgacatatt  | tttcggaatg  | agggaaagga  | agccgggagg  | 2620800 |
| ggtactcaat  | attattacgc  | gtgcgcaggt  | tcgcgcgcgt  | ttggttcgtg  | caaaaaatgag | 2620860 |
| ccggaaaggt  | gaaaattcct  | gccggatggg  | acgaaaaata  | ttctggaagg  | atggtcttct  | 2620920 |
| ttatcggatg  | acacgaaaaa  | aaatccggaa  | atactccccg  | aggaaggga   | aaaatattcg  | 2620980 |
| ttcggacgga  | aaattcattc  | cggaaaaatga | ggatttttcc  | tttgaaaagc  | cccggaaaaa  | 2621040 |
| gtgcgaaaaat | gatgaaaacg  | gggagaaaaa  | tttctcagtt  | tccccacgaa  | aaaaacttga  | 2621100 |

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| attttctcag  | ctccacataa  | aaaaggcagg  | aaaaattatt  | ccgacgaagc | gaaaaaatct | 2621280 |
| cagaaaacgg  | atgatccgga  | tgaaaaaaca  | gcagattatt  | ttttgcaagc | ggacggaaaa | 2621340 |
| aatgcagaaa  | aggatgagag  | gcaggacaga  | aaaatctgcc  | ggagcatccg | aaaaaatatg | 2621400 |
| aaaataccca  | gacgaaaaga  | gaaaagatgc  | atatccggaa  | ggatggttca | ttctgaaaaa | 2621460 |
| aatggatttt  | ttatcaaaaag | aatacggaaa  | aaagacagac  | tgatggaaaa | gaaacaagag | 2621520 |
| aatcataacc  | gacaaggtag  | aaaacactct  | taaaaaacgg  | ataggtaaac | gagaaaaccg | 2621580 |
| gactctttca  | ctcaaaaaag  | cagggaacgc  | ccaaaaaaaa  | tccggaagcc | tgaataaaaa | 2621640 |
| atacgggaga  | tccagaaaaa  | acatgcctga  | attttctccg  | gtttttgtac | aaaaaatatt | 2621700 |
| ctgttttgta  | caaattcctg  | aaagttttgt  | acaaaaacat  | acaacagcaa | cgggagaaac | 2621760 |
| cgaagaaaat  | atagaagatt  | ttttctcaaa  | gcaagctgat  | aaatctagat | tcacacaggg | 2621820 |
| aaaaggcaaa  | gctatcggaa  | aaataaaata  | ataaacagga  | atcaaaacag | aataagaatt | 2621880 |
| actcaaaaac  | gataaaacat  | ctcttttgaa  | gctattcaaa  | caaacagaga | aattcataac | 2621940 |
| ttccctatct  | gcaataatcc  | ccatatttca  | aaataaatct  | agaaaagtgc | gatagagttg | 2622000 |
| gatgatataa  | acaagcgtaa  | tcgcacccta  | ttatccttta  | tgaacgagg  | attaataaga | 2622060 |
| tacgattact  | cattaagtta  | ctgatgatta  | tttatccttt  | aaatttgata | gaaaggaaaa | 2622120 |
| aatctaaaaa  | atcacaacta  | catcggttaa  | cccgttccta  | cacagacaaa | tcaattcacc | 2622180 |
| gtctttttac  | ctttatgcc   | aatgcacaat  | acattaagta  | agctacacaa | agtagaataa | 2622240 |
| caaatagtcc  | tgctgtaata  | cctcccatat  | ctatagccaa  | tcctaacata | ggagttataa | 2622300 |
| ccccacctcc  | agcaacagcc  | gttatcatca  | gaccagaaat  | ctgattcatc | tttgagggac | 2622360 |
| attcttgaaa  | agccaaagaa  | tatataatag  | agaataccga  | agaggcaaaa | aatccaatac | 2622420 |
| cacctataca  | taataaattc  | attgtaactc  | catcgacgaa  | cattaaaagc | aataaacaga | 2622480 |
| tggcacatac  | gacaatattt  | atacgaaaat  | aacgtattcc  | tgaatccgt  | gccagtaaaa | 2622540 |
| acgttccgag  | caatgcgcca  | atcgttcgac  | tcaaaaaata  | tatttgaggg | gcaaacttaa | 2622600 |
| cctgttccgc  | tgtccagtc   | taacgggctg  | ccataagttt  | cgaactaata | tagtttgtag | 2622660 |
| caacatctac  | tcctacaata  | aaaaagatgc  | ctaaaaacaa  | gaccaaata  | actttattct | 2622720 |
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| taggtgtaaa  | cattaaccaa  | agtgcacaaa  | ataaagtgat  | caatcctaac | attgggaaac | 2622840 |
| aataatacca  | atactccgaa  | ccaaagcgta  | aggtggcaaa  | caaaacaatt | tccggaccaa | 2622900 |
| ccaaagaaga  | tacagcctta  | ataacctgcc  | ctgctgtcag  | actactgtc  | agcatatgtt | 2622960 |
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| acataccac   | tattgtcacc  | gccatactta  | tcagtacagt  | attcttccgg | ccccatttat | 2623140 |
| tcattttatt  | accaatgggt  | attcccaaga  | aaagaaacca  | gataaaaacc | atagacggaa | 2623200 |
| caaatacctgt | cattgtagac  | gaccagccga  | aacttgccgt  | catgtaatcg | gaagaaatac | 2623260 |
| ccacaatatc  | acaaaacccc  | atgacgaaaa  | aggcagcaag  | taccggaatt | acttttatta | 2623320 |
| tcgaattggt  | tttcataagt  | taacgaacaa  | aagtttacat  | agccggttca | gaatgaacca | 2623380 |
| gctatgcaag  | caaaacaatg  | ttttattttac | catagtacgg  | aagtacgtct | gttccccact | 2623440 |
| taacgttagg  | ggtacttccc  | attttcaatt  | tcagggttcc  | tcctttgagg | aaatcttcac | 2623500 |
| gatatatcca  | acaattatgt  | agtggttttc  | cattaaattc  | agcagactgg | atataataag | 2623560 |
| catcgggagt  | attgtttctc  | acctctatca  | caaaagattc  | accttttgca | tattgaggat | 2623620 |
| ccagctttat  | ttcgatttta  | tcgaacaatg  | gacttcctat  | ctggaagggt | ggcttatcac | 2623680 |
| acgcaccccc  | ttgaacatca  | aacaatccca  | tgccagccaa  | tacataccat | gcaccaagct | 2623740 |
| gcccctgatc  | ttcatcctgt  | ccatatccat  | agccatgttc  | tccagtaact | ccataaaatt | 2623800 |
| catcacatat  | caaacgagtc  | cactttttgt  | taagataagg  | tttaccggag | aaattgaaga | 2623860 |
| gccatgaaat  | atgaagatta  | ggctgattac  | catgattgta  | aggactttgc | aagccagaaa | 2623920 |
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| gattgaactt  | atctataaat | tctccgtttt  | ccaaacgagg | acgaataact  | ttatttgtat  | 2624160 |
| catcaaaaag  | ttttgcccac | ccagtagaca  | attccattaa | acgcttataa  | tcgtctgtct  | 2624220 |
| ttcccaaaac  | cttagcccat | tgtgcaaccg  | cataagcact | gaagctatac  | tctaattgtat | 2624280 |
| gtgaagcaga  | gaaagaagaa | cctttatcgt  | gagtaccaa  | ataaacttca  | tcattataag  | 2624340 |
| gaacatatcc  | tttttcgacg | aattgtctga  | catccatttt | tccggctcct  | tcaatacgtc  | 2624400 |
| ctctccattc  | cagttcattt | ttcagagctg  | cctgataacc | tgcttctaca  | tcaaaattac  | 2624460 |
| gaatgccgct  | attataagca | ccagaaagag  | caatactaac | catattgggt  | ccaacacccg  | 2624520 |
| acacatat    | acttgcagca | ataccgtcgc  | ctagccagcc | ggcatcctta  | tacatcaaaa  | 2624580 |
| tttgactttg  | taccagctct | ttataatatt  | caggataagc | catagcccaa  | agattgggtca | 2624640 |
| gattccaata  | ggctcccaa  | attgcatctg  | tattataata | attgaatgca  | ggagctccat  | 2624700 |
| cttgcttaag  | ttggattttt | cctattgatc  | catcattttt | aggatatgca  | ccgtttacat  | 2624760 |
| cgttgccag   | tcctcgtccc | aacaaagcat  | ggtacaagcc | cgtataaaac  | ttaattcggc  | 2624820 |
| tatcttctgt  | acccccagaa | acgacaatac  | gatttaaagc | atcattccat  | cttttcttgg  | 2624880 |
| ctaaatcctt  | agcctcatcg | aaagtcaagt  | cggcagcttc | cttttctaaa  | ttcaacttcg  | 2624940 |
| cattatctat  | agaagtataa | gacaatccta  | ttttaacatc | tacaacctgg  | tctttagaag  | 2625000 |
| ttttatagtt  | caataccatc | atggctccag  | ctccctttat | ctcgggtacta | tccatgacat  | 2625060 |
| cttttctct   | atataacaca | tttacagaat  | taggcgattg | gcttagttta  | gcataaaaat  | 2625120 |
| acataggtag  | agttgccct  | gcctgatatt  | ttttcacata | ttcaggctca  | gtcactacgt  | 2625180 |
| atccttctat  | tgtctgtccg | tctacctgct  | taatgtaagc | atctcgtaca  | cttccacttt  | 2625240 |
| ctcccaactt  | attaccaata | tccattataa  | cgtgtgaact | atctgattga  | gggaaagtgt  | 2625300 |
| atctttggaa  | tcccactctg | tcggttgacg  | taagttctac | ttttatctga  | taatctttca  | 2625360 |
| gtaaaacagt  | ataatatcca | ggagccgcat  | attcgtcctt | cttatcaaag  | cgtgaacgat  | 2625420 |
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| acctttccgg  | aagagaaata | ggcatctata  | taatctatac | caaccaaccc  | attatcatca  | 2626560 |
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| ttgttatcat  | aatatttttc | aacagccata  | accattgaat | cctgataagc  | ggcatatttt  | 2626680 |
| tgaggatcac  | attcggccaa | aagattgaca  | gcagaaaata | ttccactcat  | cggccataaa  | 2626740 |
| taagatgttt  | cttgtgcttt | atgggtagaa  | tcctgaaaat | aggtcaaata  | gggtttgtaa  | 2626800 |
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| actgaccatt | ataatataaa  | gccaatacgg | cataagattc  | gataactgca  | tcttgcatga  | 2627040 |
| atagctgata | tgatctctta  | ggatctttac | ctgtccaatc  | ttcatagaag  | aaaccttctt  | 2627100 |
| gagtacgagc | atgctcatag  | gcgtaattaa | tgtagttagc  | atatacatct  | atgtattgtt  | 2627160 |
| tcacattcga | atcatatgga  | gcaatatcaa | tatatgctct  | cagcaacttc  | gtattaaacc  | 2627220 |
| acggatcatg | atcgggataa  | gccaatccga | ttccattttac | agaacggaca  | aaaacgccat  | 2627280 |
| aagatccttg | agctgaagct  | tttgcacatc | ttaaataatt  | ttcatcattt  | gttattttcat | 2627340 |
| acagacatac | cccattctga  | atcattacc  | caacattata  | agtccatttt  | gtcttggtga  | 2627400 |
| tggaacctga | cgcaccttta  | ctattccagt | aacaatgatc  | tgtactatct  | tccaaatttg  | 2627460 |
| ttttaaccca | ttcataaagt  | tcctttgcaa | aagctaaaac  | ttcttcttta  | cgatcttgcg  | 2627520 |
| gacaaacttc | ataatacttc  | aaaaggaact | gtatggcata  | accattggca  | caagcaggct  | 2627580 |
| tggtcgaact | ctcattgccc  | ggtacatttt | tcaaagattc  | attccaccaa  | attccgccac  | 2627640 |
| cgaaaatatc | atcttttctt  | gatttcaaga | aatcgactat  | ctgaccggca  | cgattaagat  | 2627700 |
| atgctcatc  | atttaaactg  | tcataaggct | ccaacagact  | aagtccgaca  | attgaattat  | 2627760 |
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| aatcgacatc | atatacctaga | tcggtcagga | aagcagctcc  | cgtgggttaa  | caattataag  | 2627940 |
| gccacaaaaa | agaatacgtg  | ccgtccccc  | cttgtgcagg  | aaagtcttca  | cggtacaaat  | 2628000 |
| tacccgtctt | ataatactct  | tgaaccaa   | tgaaaacttc  | atatccctt   | gcaccataat  | 2628060 |
| ccactacttc | ctgagtagga  | ggtggtgttt | gaggtcctgt  | aggagtccat  | tcttcaaccc  | 2628120 |
| ctgtttcaca | agaacaaaac  | aatgaaatag | ctaaggcact  | tgtatatata  | aatcttttca  | 2628180 |
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| cattggtatc | gatcgctact  | gtacaagttt | tctggtttta  | tgaatgactc  | atcttcacac  | 2628360 |
| aatgatccca | ttgactccat  | gtaaattcat | gcagttcgta  | gaaagtgtcc  | ggttcatttt  | 2628420 |
| cccctggctg | ttctgctgag  | atagcatctc | ctcttcccca  | gcaaacatca  | gaaccattga  | 2628480 |
| tcgttgcaat | gaaataataa  | cgttcttcaa | cccaagtaag  | ccaagatgga  | gggtttgtag  | 2628540 |
| taggatcatt | cggatcgaca  | aatcgaatat | taacgctttc  | tttctttatat | actccattac  | 2628600 |
| cagcatactg | catatctgca  | attacatcaa | aagtagcccc  | ccatatcatt  | cttactccag  | 2628660 |
| aaataacatc | cttcgcaata  | gttttggtat | taaaattcaa  | aatcagtcta  | acaacattat  | 2628720 |
| cttcagcctc | tacattataa  | gcctcatctc | cttctattaa  | ctttcctgaa  | ttgtcaaccg  | 2628780 |
| tatagtttac | accattttct  | aacgcacg   | taaaataaat  | atttccagca  | ttcaacttag  | 2628840 |
| tataaataac | aaagataccg  | tcactttctt | tacggaaagg  | aagcgggtcc  | attccttgat  | 2628900 |
| tttctgaagc | tgatcccagt  | aagaacaatt | gttccggaat  | ttcttcagca  | gggcgtgtta  | 2628960 |
| cttgaatttc | accgcattct  | tgtgaacgtc | tcactatccc  | acctcgagaa  | gcttcacag   | 2629020 |
| tccacttaat | tttaccggtt  | tccgctgttt | ttaatccggc  | ctcccagagc  | attttattta  | 2629080 |
| atatgacatg | ggtcaatgta  | agctgacgg  | aagcccaaaa  | gtcactttga  | gaagaatata  | 2629140 |
| tagggtctga | aaaatctcca  | tcggctttat | cgaataagac  | agagtatagc  | agaactcctc  | 2629200 |
| catcattagc | ccctccattc  | catgttaaga | ctatattttc  | agaagattgc  | aatcaatgg   | 2629260 |
| caacctcctt | cgggccagac  | agttcagttg | gtaaagtaaa  | accttcacgc  | agttttataat | 2629320 |
| ctttggaaca | tccagccaaa  | aacaatattg | agaataaaaa  | aatatataatc | gctttcatat  | 2629380 |
| ttatcaccaa | ttaggatttt  | gtgttaaat  | atgatttaaa  | tctctttcac  | tttgagggtat | 2629440 |
| aggccataaa | taatgcttat  | tggcgtcgaa | aactctattt  | tcaactctta  | cataaccatc  | 2629500 |
| atccgttcca | accgcatcac  | ctgtataaag | gccgtgacaa  | tagccattca  | tcactttatc  | 2629560 |
| agctatacgc | caacgtacaa  | tatctttcaa | acgcaatcct  | tccaatgcaa  | gttcagaacg  | 2629620 |
| acgttcacgt | cttactattt  | ctctcaaatt | agcagatgta  | cccgggaact  | tcaaagcttg  | 2629680 |
| ttcatccgta | aagccagctc  | tttcacgaag | tggacgaatg  | gtattattcc  | aatcagtttc  | 2629740 |

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|             |            |             |            |             |            |         |
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| tgagaattca  | cctaattcaa | ccaaagcctc  | agcattcata | agtaaaacat  | cggcatagcg | 2629800 |
| aatcaaaaata | atattcaatc | cagaatataa  | gttatctcta | tatgtacggg  | cccaatattt | 2629860 |
| cttgatataa  | tatcctgtcg | gtgagcaatt  | ggaattgaat | ccataaccat  | cgggattact | 2629920 |
| acctttatca  | caattaatta | cttgggtagt  | tccatctggc | agtatataac  | tattaccctg | 2629980 |
| ataacagatg  | gtagcagcca | aacgaggatc  | acgatgctca | aaagggttag  | acgaatcata | 2630040 |
| attggcacca  | gcttcatcta | tagccttacc  | attatctgta | atatatgatt  | gtaccagttc | 2630100 |
| attcaaagga  | gcaagctgag | cataaccttt  | caatgttgga | ggcaagaact  | gatattgaat | 2630160 |
| ttgctgttca  | cgatcgggtg | atagatattg  | taaatccaaa | ataacctctt  | cattattctc | 2630220 |
| attagcgact  | tcaaacagcc | ctgcataatt  | agggacaacg | ctaaaaccac  | cttgagtcac | 2630280 |
| tatagtagat  | gttacagctt | taagttcttc  | ccaacgcctt | tcgaaaagta  | atatacgagc | 2630340 |
| tttcaacgcc  | attgcagccc | atttagtgat  | tcgtccttta | tcttcgggtg  | agctataaga | 2630400 |
| agctggcaaa  | tagttattat | ctataacttg  | atccaactct | gctaaaatat  | ttgtcacac  | 2630460 |
| ttcagctttg  | ctggctctag | ggagctgttg  | agattcttca | atcgttataa  | catttgtaaa | 2630520 |
| gtaaggtaga  | tcgccaaatc | gggaatacaa  | ttcaaaaata | tgaaaagcac  | gaattaccat | 2630580 |
| agcttcagcg  | caatatctat | tccgaagttc  | atcacttagt | cctgggactt  | tattaatatt | 2630640 |
| gttgattaat  | tcattacatg | cacgaattcc  | agcataacga | ctatcccaaa  | cagattcaac | 2630700 |
| ataaggataa  | gcagtagagt | aactaccatt  | tccgattgac | tgattaaatc  | ctgtctgaac | 2630760 |
| tttcgtatat  | gcattatcag | tcatggcatc  | agcatataat | acttcctcag  | cgctgtataa | 2630820 |
| agtaggataa  | caagcattta | aagcatacaa  | tgcagaacct | tccttattcc  | aaaagctcaa | 2630880 |
| atcagttttc  | ctatcgtacg | gttccgtatc  | aagaggaaac | cacgccacta  | cagaattgag | 2630940 |
| aagtatccct  | cccaatatat | atttcatcat  | attaaatggt | ctcatagttc  | tattaaaatt | 2631000 |
| taatgttcaa  | ccccattgat | atcacgcgag  | aaacaggata | aatacgtcct  | ccaccatctg | 2631060 |
| tggtttcagg  | atcccatcca | ccttttatgt  | gactcaatgt | aaacaagttc  | tgaccactca | 2631120 |
| aataaaattct | caggttcttc | acgtataact  | ttttcaacca | ttctttcggg  | aaagtataac | 2631180 |
| caattttgggc | atttttcaat | ctcaaataag  | aaccatcctg | aatccagaaa  | tttgatttag | 2631240 |
| cagcattatt  | agtagattct | gcacctacag  | tcaaacgtgg | ataagaagca  | tccggattat | 2631300 |
| tcggagtcca  | acgatctaaa | tggaaatcaa  | agaccggccc | ttcattattg  | ttatggaaag | 2631360 |
| cttcaacaga  | ttcaccacgt | aaccaaacat  | tacgtctgcc | tacccctgc   | cagaacatag | 2631420 |
| agaaaatcgaa | gcctttccac | gtaaaccggt  | aactaaatcc | ataagtataa  | tgaggaaagt | 2631480 |
| tatctccaag  | gatgaaacgg | tcgtcgcttt  | ctttaaccag | cccatcatta  | tttttatcaa | 2631540 |
| catagcgcaa  | atctccaggt | tttgagagtga | taccgtctaa | ccacggtcct  | tgtgcaactt | 2631600 |
| cttcatcgtt  | ttggaagata | ccattaaccc  | tataagcata | ataagaattt  | ataggatata | 2631660 |
| cctcctttat  | aattgtatta | acatcagctc  | cattaatcca | ttcaacgcca  | cgagtatcta | 2631720 |
| ctacttcatt  | agcagcatca | gaaacgtttc  | ctgaaataaa | atgctctact  | tgtccggttt | 2631780 |
| taaatcggtta | attcaaattt | acttcccaac  | cacggtttct | tacttttcca  | gcattttgta | 2631840 |
| caggactacc  | tccaccaaac | ataccaggaa  | caggcagacc | tatcaaaaata | tcacgagtca | 2631900 |
| cattattgaa  | ataatcagct | gtaatgttca  | atgcattatc | aaagaatccc  | acatctatac | 2631960 |
| ctaaatcgaa  | catagagggt | gtttcccat   | ttatatccgt | attaacagct  | gcaaacgatg | 2632020 |
| ctccattttac | tacgacattt | ccaaaattat  | attttggaga | aactgtaaca  | gaagacaaat | 2632080 |
| actgataaatt | atcaattctg | ttattaccaa  | caagtcccca | agaagttctt  | aacttcaaag | 2632140 |
| aagaaatatg  | ttctttaagc | ttctcaaaaa  | atttctcttc | agaaattctc  | cagcctaaag | 2632200 |
| agaatgaagg  | gaagagagca | gaccgattac  | cttttgcaaa | tttagaagaa  | gcatcattac | 2632260 |
| gtaaatgggc  | ttcaaacaag | tatctttcat  | cgtaattata | attcagacgt  | gcaaattctg | 2632320 |
| aataaataga  | ccagtcactt | ccactgccc   | agtttcttac | attcgagggt  | tgagtaccaa | 2632380 |
| ccattatgtc  | aaaatcagaa | gtttctgtca  | cacggtaagt | atcatacccc  | ttatcgctac | 2632440 |
| caccttcata  | agaatatcca | accattgcac  | caatcgtatg | cttaccaaaa  | gacttatcat | 2632500 |
| aagtcaacat  | tacgttagtg | gtaagattca  | acgaacgagc | gaactgctct  | gtcattcggt | 2632560 |
| tttcagtatc  | accagaagca | ggagcaacaa  | tcgcctttct | attttcatga  | gtacgattat | 2632620 |

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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| tatacaactg  | tccaccaatc  | attcccttta  | actttaagcc  | atcccaaadc  | ttcaactcag | 2632680 |
| cattcaatgt  | tgcagaaaag  | tcacggtttg  | aattttgacg  | ataacctccc  | tgctccaatc | 2632740 |
| ttgccaaaagc | attcgagtta  | ctaccgctcg  | ggaaagtata  | tgctccattt  | tcatctacta | 2632800 |
| ttggatagat  | agccggcata  | cgagtagcct  | gttcaataat  | ccattctgtc  | caataagcat | 2632860 |
| gacccctaac  | ctcattgcga  | gcataagcca  | cagttgttgt  | aaaattaaaa  | cgatcagaaa | 2632920 |
| ctttatgact  | taaatttaaa  | cgaccattat  | atctttgttg  | accatagtca  | ggtcctttta | 2632980 |
| acatactatt  | ttgatccatg  | taaccaatg   | aaaccaaada  | ggttgttttg  | tcattgccac | 2633040 |
| cagagaaaaga | caagttatga  | ctttgttgag  | gagcattctt  | cttgtaaatt  | tcttcaatcc | 2633100 |
| atttacagtt  | aggaccgcca  | ttacgataat  | aagcaatctg  | ttcgggagta  | aaagcagctg | 2633160 |
| gttgacctga  | attgatcaaa  | gcttcatttc  | tcattttctg  | atagatccat  | gagtccacta | 2633220 |
| ctttcggcaa  | acaagtagga  | gtctgccatc  | cataccgcat  | ttcataggta  | acctcatttt | 2633280 |
| tctgagcaga  | accttttttt  | gttgtaatca  | aaataacacc  | attcgatgca  | cgtgaaccat | 2633340 |
| aaatagctgt  | agaagaagca  | tccttcaaga  | ctgatataat  | ctctatatcc  | gaaggattta | 2633400 |
| cattctgaat  | atcaccaata  | attccatcaa  | tcaataccat  | cggatcatta  | ttgttcatcg | 2633460 |
| tattcaatcc  | acgaatattg  | atacttgga   | gagcacctgg  | agcagagttg  | gactgctgaa | 2633520 |
| taaccaatcc  | ggaagtagta  | ccctgcaacg  | cctcaactag  | atttgttaca  | ggcttacctt | 2633580 |
| caatttcgga  | tgctgaaaaca | gaagcaacag  | ctcctgtaag  | attcaccttt  | ttctgtgtac | 2633640 |
| cataaccaac  | gacaaccaat  | tcacgatca   | tttctgtatt  | cgattttcaat | acaattatca | 2633700 |
| tatccttttt  | caacgctttt  | ccagatatga  | cctgatcttt  | atatcccaca  | aacgagatat | 2633760 |
| gtaacttaga  | agaaggtgtt  | acctccaaag  | aaaacttacc  | atccatatcg  | gcaatagtac | 2633820 |
| cttgtttggt  | agaagtatcc  | aaaatactag  | caccaatcat  | cggttcacc   | gattcatctt | 2633880 |
| ttacaacacc  | agatacgagc  | cgtgactgtt  | gttgtgccga  | cattggtatt  | gccaataaaa | 2633940 |
| gcaacaaaact | ggccacaaag  | cacattatta  | catgtttcat  | aaattaatta  | agattaaaaa | 2634000 |
| gttaataatt  | tccatattta  | tatgcaccta  | tcgaaaacc   | gtgacctaaa  | gaaaactaag | 2634060 |
| cttccaattg  | tgacaatgca  | taggcataag  | ctcctctcat  | aatagagcta  | cttgctccat | 2634120 |
| cacgactaca  | catcacagca  | atgcgcttcg  | tattgttgta  | cggtaacttt  | atagatgttc | 2634180 |
| caggaatcaa  | aacttcacag  | tgctgataat  | ccagaaattt  | ttttctctcc  | acttcatctt | 2634240 |
| cccaattgta  | aacttccatc  | tgtaaacacg  | ggaattgttc  | tcctgaaaac  | attgataatg | 2634300 |
| tattgcgcaa  | ttcattcacc  | aaagcaggta  | aaatgtaacg  | agcggcccca  | gtaagccac  | 2634360 |
| cccctataac  | tactaatccg  | tcaacaatat  | taagtgcaga  | agcaattgca  | cttcctgcca | 2634420 |
| tttcccccaa  | ttcctgaaaa  | ctggctatcg  | cagccttctt  | attaccttcc  | ttaatacctt | 2634480 |
| ctgcaatctc  | acaaatatcc  | ttaggtgtca  | aattgttatc  | ctctataccc  | gacaattcac | 2634540 |
| gatacactct  | ttttaccgcc  | ctaatactga  | cactttcttc  | tgcaatcatc  | gaaggatact | 2634600 |
| ttttattgcg  | catcaaccaa  | acatctccc   | cgcattccat  | atctcctgtc  | aacaatctat | 2634660 |
| tatctattac  | aacccagct   | ccaaaacctg  | ttcctaattg  | gattcctaata | aaatttttat | 2634720 |
| atttacgttt  | gtgtcccatt  | gcttccagtt  | cagcattttac | cataggaagt  | gctcccgata | 2634780 |
| aagcctcacc  | ataagcaaac  | aaattcccat  | catttttctat | atataccggg  | ataccataat | 2634840 |
| gatgttgca   | aaaaggtcca  | agagctactc  | cctgacggaa  | agacgggaag  | ttgggcaaat | 2634900 |
| ttccacctat  | cacccatttt  | ctatagtcgg  | caggacctgg  | aaaagcaaaa  | ctaatagcaa | 2634960 |
| caggtgaaga  | gcctaattcc  | tccaacttac  | tctttactat  | atcaaatact  | gctatcaacg | 2635020 |
| tagccaagca  | tctatccaaa  | ttgtccgaac  | agaaggcat   | acaaacagga  | gaaacaatct | 2635080 |
| gaatattccc  | cctaatagca  | gaaaaaacia  | aatttggttc  | tcctgcatca  | agggtaata  | 2635140 |
| cggttctttt  | gtcatttctca | tacatatttt  | taaggcttct  | ttaaagggtt  | atactcagtc | 2635200 |
| acaatcgttc  | agaaacgtac  | ataagctttg  | actgtcacac  | attctttccc  | ttccgacaat | 2635260 |
| ccgtaaggac  | gaatagtata  | ttctcctaca  | caagcaggga  | taataaagg   | ttcagcataa | 2635320 |
| tgtactacaa  | acggttcaaa  | cgaatgagtc  | ggactttcta  | caatagcttc  | ttcaccttcc | 2635380 |
| aacagattca  | gcacgttgac  | actattattg  | gtatgatgca  | atacaggga   | agaaaaataa | 2635440 |
| tgacgacgag  | tttcgataaa  | ctcatttctca | tgcaagcctg  | tacgttcttc  | cttccatcct | 2635500 |

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| ctattccagt  | tgatgacaca  | ttttccacgc | tccacattta | ttggacgagg  | tttaccatca  | 2635620 |
| agtcccagac  | gctgccagtc  | ccacaacttg | aaagtaaaca | aattgggggt  | cgagctgatt  | 2635680 |
| tcaagtacca  | tactgtttgc  | acccgaacaa | tgaattgttc | caccaggtat  | caagaaatgg  | 2635740 |
| tcgtgctttt  | tagccgggat  | cttatttaca | tacttttcgg | catcgaatac  | aatttcacca  | 2635800 |
| cgttgcgctt  | tacgcaaatac | ttctatcata | gcgttgcggt | ctactccatt  | ctttaccccc  | 2635860 |
| aagtaaaca   | ctgcatcctc  | ttctgcgtcg | agcaaatagt | aactttcatc  | ctgagtatag  | 2635920 |
| tacataccaa  | aactttcacg  | aataaactga | gtagtaggat | gtacttgcag  | acttagat    | 2635980 |
| ccaccaccta  | tcgtatcgag  | gaaatcgaa  | cggattggaa | aatcttttcc  | aaaacgtgct  | 2636040 |
| tcaacagggt  | ctccaagcaa  | ttctgtactc | ttcagcaaca | caagatcaac  | cgaaggcaac  | 2636100 |
| tcgaatctta  | caccatttac  | ttcaagataa | agactgttct | cttcgggcac  | acagtcgaaa  | 2636160 |
| caccatccgt  | aattttgttt  | gcttcgatcc | aaatcacaca | cttctttcat  | ccattgtcca  | 2636220 |
| ccccatggag  | ccggatcgaa  | gaaaggtacg | acacggaaag | gctttgccga  | tgttttctca  | 2636280 |
| atacctttga  | aaaatgtttc  | acgatcgatc | attttaggtt | gccctgcaat  | atgagtatcc  | 2636340 |
| aacaaaaaat  | ccaccttacg  | gaataaagta | tctttataac | gatcgcatac  | acgccagtca  | 2636400 |
| ttaaaatatac | ctcttttata  | ctgaagtga  | acagcatcat | tccgattatc  | tatacctaaa  | 2636460 |
| gctttcactt  | catgccggcg  | gaagcgttgc | tggatttccc | aacgagccat  | atccacatac  | 2636520 |
| acaagtgtag  | catctggagc  | aaccattgat | gccctgtac  | ctattacgat  | aacaggagta  | 2636580 |
| tcgatttcct  | gaatcatctt  | ttgagcagct | gccagcttct | cgagtcgaa   | ataatctgcc  | 2636640 |
| agacacaaat  | tggtgacata  | accaaacaat | acatcgtctg | tcataaaacg  | ctccgtcatc  | 2636700 |
| cgaagcaagg  | tttcctcatc  | cttatataaa | tcacttacaa | gaatgatttt  | cgaagaaggg  | 2636760 |
| atcaatgaaa  | actccttcac  | caattcctgc | tcatacacc  | cggataaaca  | gtcaacagcc  | 2636820 |
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| aaaatagtac  | cacaaatctt  | cgtactagga | tatttatcgt | aatttgattt  | tctcatatgc  | 2636940 |
| ctacataatt  | tgttcataca  | tattattagt | ttgtgcaaat | atagaaataa  | tattttataa  | 2637000 |
| ccaaataaag  | tttaagaaaa  | aatttttcta | ttatatttgt | aactgtaata  | taaattccatc | 2637060 |
| caatatatga  | agatagatca  | cgacagcaac | aagccattac | acctacaggc  | agaggaaatt  | 2637120 |
| ttacgaaatc  | tcattgattc  | agaagaatat | aaaaatggga | aattcctccc  | taatgaagta  | 2637180 |
| gaattatcac  | agacattgaa  | tatttcaagg | aatactttta | ggcaagccat  | caataaatta  | 2637240 |
| gtattcgaag  | gtttgttggg  | acgtaaaaaa | ggtgtaggta | caaagggtgc  | ccagaaagga  | 2637300 |
| attgtaggag  | gagtaaaaaa  | ctgggttagt | ttctctcaag | aaatgaaaat  | gctgggaatc  | 2637360 |
| gaaatacgaa  | atttcgaact  | acatatcagc | tggaaaaagc | catcgggaag  | aatatgcaat  | 2637420 |
| tttttcaata  | tcgaccctca  | aaatcctgtt | aaatgcattg | tactagaaag  | agtttagagg  | 2637480 |
| aaaaaagaat  | atccatttgt  | ctatttcatt | tcttacttta | atcctaaaaat | ttcccttaca  | 2637540 |
| ggagaagaag  | actatacgcg  | tccattatat | gaactattag | aaaaggatta  | taacattatt  | 2637600 |
| gtaaaaacca  | gcaaagaaaa  | aatatcagcg | aacttggcag | gagaacgtat  | tgcggaaaaa  | 2637660 |
| ctggatataa  | aatcaacaga  | tcctatatta | atccgtgaac | gttttgtgta  | cgacatcaat  | 2637720 |
| caagttccca  | ttgaatacaa  | tataggctac | tatcgagccg | acagctttac  | ctacaccata  | 2637780 |
| gaagcagaaa  | ggtaaccttt  | gcgatccata | ttatatagga | tagattttatt | attataagta  | 2637840 |
| taggcttttt  | agggaaatcca | atatgtacct | acaaaaccta | tacttgttta  | tatatccaac  | 2637900 |
| ttatatattat | tatgctttta  | tcaatgttct | caaactccgt | caatttaccg  | gtctgcgaat  | 2637960 |
| caatgataaa  | gccacgcaca  | acgatatctt | tggggactaa | tggatggtgt  | tttaccaaat  | 2638020 |
| gcacactacc  | tctgactgac  | tgctccacat | tatcgaatcc | actcaaccaa  | gagtgcagat  | 2638080 |
| caacattaca  | gtattgcatc  | atttccagtt | gttcacgcgt | aactccatgt  | tccttgatat  | 2638140 |
| gttgaagcat  | aaccttgcta  | tccatgtgct | gtgcaccgca | atcagtatgt  | ccaattatca  | 2638200 |
| taacctcctc  | tacaccaagt  | tcatatatac | cgactagtaa | actacgcata  | acactacca   | 2638260 |
| acggatgagt  | aattgtccct  | cctgcgttct | taatcatctt | cacatctccg  | ttctttatac  | 2638320 |
| ccaatgcagc  | cgaattaat   | tcaaccaa   | gagtatccat | acaagtaaca  | atagcaatct  | 2638380 |



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|             |            |             |             |            |            |         |
|-------------|------------|-------------|-------------|------------|------------|---------|
| ttttatcagg  | atatttgttt | gtcagatact  | tttcatagcc  | tttcttttct | acaaaagcac | 2638440 |
| gattgtattc  | caatagttcg | tctatcataa  | ttcttgattt  | ttattgttgt | catcgcaaaa | 2638500 |
| ataatgaaaa  | aaggttcaga | gaagacggtg  | ataticgttag | aaagtttgta | caaaagtttt | 2638560 |
| tattttttgt  | acaaattcta | aaaaaacgtc  | gagacgtttt  | tggggagagt | ttatggcatt | 2638620 |
| tactcaaaaa  | atcaatcatc | tcattatttt  | tattcggcaa  | gccttttcat | tcataatccg | 2638680 |
| ataatacaca  | aaaattccat | cataatcaga  | aaagaacaat  | taattgtttt | ttgaatattc | 2638740 |
| cttgcaaaaa  | gagtactaaa | ttccgccaca  | ttttaagatt  | cgttctgaac | aagctctgtc | 2638800 |
| acaaacggca  | aagctttcac | aaaaaaacta  | aaaacttgaa  | gagaatctat | accctaagag | 2638860 |
| gcaccagatt  | tcaccgcatc | ttaagattca  | agcaaaacaa  | atcttgccat | aaacggcaga | 2638920 |
| actttcacaa  | taaaactaaa | aacttgaaga  | gaatctatac  | cctaagaggt | accagatttc | 2638980 |
| atcgcatctt  | aagattcaaa | ccgaacaaat  | cttgctataa  | acggcagaac | tttcacaata | 2639040 |
| aaactaaaaa  | cttgaagaga | atctataccc  | taagaggtag  | cagatttcat | cgcattctta | 2639100 |
| gattcaaacc  | gaacaaatct | tgccataaac  | ggcagagtcc  | ccacaaaaaa | gctaaaaact | 2639160 |
| tgaagaaaat  | ccacacccaa | agaagcacct  | gatttcaccg  | catctaaaga | ttctgaccga | 2639220 |
| acaaactttg  | ccacaaacgg | cagagctttc  | acaaaaaaac  | taaaagtagg | aagggaaatt | 2639280 |
| tacaccacaa  | gaagtaccag | atttcatcgc  | atcttaagat  | tcaaaccgaa | caaactttgc | 2639340 |
| cattttacggc | agaactttca | caaaaaagct  | aaaagtagaa  | aaggaattta | caccacaaga | 2639400 |
| agcaccagat  | ttcaccgcat | ctaaagattc  | cgaccgaaca  | aactttgcca | taaacggcag | 2639460 |
| aactttcaca  | aaaaaactaa | aagtaggaag  | gaaaatttac  | accacaagaa | gtaccagatt | 2639520 |
| tcatcgcac   | ttaagactca | aaccgaacaa  | actttgtcac  | aaacggcaga | gtttccacaa | 2639580 |
| aaaactaaaa  | acttgaagag | aatctatacc  | ctaagaggca  | gcagatttca | ccgcatctta | 2639640 |
| agattcaagc  | aaaacaaact | ttgccacaaa  | cggcagaact  | ttcacaataa | aactaaaaac | 2639700 |
| ttaaagagaa  | tccacatcag | aagaagcacc  | agatttcatc  | gaatcttaag | attcaaaccg | 2639760 |
| aacaaacttt  | gccacaaacg | gcagagttcc  | cacaaaaaag  | ctaaaaactt | gaagaaaatc | 2639820 |
| cacacccaaa  | gaagcgcttg | atttcaccgc  | atcttaagat  | tcagactgaa | caaactttgc | 2639880 |
| cacaaacggc  | agaactttcg | caaaaaaaac  | taaaaacttg  | aagagaatcc | acatcagaag | 2639940 |
| aagcaccaga  | tttcatcgca | tcttaagatt  | cagactgaac  | aaactttgcc | acaaacggca | 2640000 |
| gagtttccac  | aaaaaagcta | aaaaattgaa  | gagaatccac  | acccaaagaa | gcaccaaatt | 2640060 |
| tcatcgcac   | ttaagattca | aaccgaacaa  | actttgccat  | ttacggcaga | actttcacaa | 2640120 |
| aaaagctaaa  | agtaagaggg | aaatttacat  | cacaagaagc  | agcagatttc | accgcatctt | 2640180 |
| aagattcaag  | caaaacaaac | tttgccacaa  | acggcagaac  | tttcacaaaa | aagctaaaaa | 2640240 |
| taggagggaa  | atttacacca | caagaagtag  | cagatttcac  | cgcattctta | gattcaaacc | 2640300 |
| gaacaaactt  | tgccacaaac | ggcagaactt  | tcgcaaaaaa  | aactaaaaac | ttgaagagaa | 2640360 |
| tccacaccca  | aagaagcacc | tgatttcac   | gcattcttaag | attcagactg | aacaaacttt | 2640420 |
| gccacaaacg  | gcagaacttt | cacaataaaa  | ctaaaaactt  | aaagagaatc | cacatcagaa | 2640480 |
| gaagcaccag  | atttcacgca | atcttaagat  | tcaaaccgaa  | caaactttgc | cacaaacggc | 2640540 |
| agagtcccc   | caaaaaagct | aaaaacttga  | agaaaatcca  | cacccaaaga | agcgcttgat | 2640600 |
| ttcaccgcat  | cttaagattc | agactgaaca  | aactttgcca  | caaacggcag | aactttcgca | 2640660 |
| aaaaaaacta  | aaaacttgaa | gagaatccac  | atcagaagaa  | gcaccagatt | tcatcgcac  | 2640720 |
| ttaagattca  | gactgaacaa | actttgccac  | aaacggcaga  | gtttccacaa | aaaagctaaa | 2640780 |
| aaattgaaga  | gaatccacac | ccaaagaagc  | accaaatttc  | atcgcatctt | aagattcaaa | 2640840 |
| ccgaacaaac  | tttgccattt | acggcagaac  | tttcacaaaa  | aagctaaaag | taagagggaa | 2640900 |
| atttacatca  | caagaagcag | cagatttcac  | cgcattctta  | gattcaagca | aaacaaactt | 2640960 |
| tgccacaaac  | ggcagaactt | tcacaaaaaa  | gctaaaaata  | ggagggaaat | ttacaccaca | 2641020 |
| agaagtagca  | gatttcaccg | catcttaaga  | ttcaaaccga  | acaaactttg | ccacaaacgg | 2641080 |
| cagaactttc  | gcaaaaaaac | taaaaacttg  | aagagaatcc  | acacccaaag | aagcacctga | 2641140 |
| tttcatcgca  | tcttaagatt | cagactgaac  | aaactttgcc  | acaaacggca | gagtttccac | 2641200 |
| aaaaaaaact  | aaaatcagga | aggttaattta | caccacaaga  | ggcagcagat | ttcaccgcat | 2641260 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| cttaagattc | cgaccgaaca  | aactttgcca  | caaacggcag  | aggttgttac  | tgaagtaaca  | 2641320 |
| aaaatattaa | atcaaaccct  | ggaaaattaa  | gataaacaat  | gttctataac  | acctccaaac  | 2641380 |
| gccctaatta | aagagtaaat  | aattttcttaa | aaaaaacgct  | ttttactaac  | tttgtcactg  | 2641440 |
| gagcaatttg | atcacgaaac  | actctttaca  | aaagttaaga  | acaaagcaat  | acagaaaaaga | 2641500 |
| cagattcacg | cagaacctat  | aaaaattatt  | acagcatcag  | aaagaaatat  | catacaatca  | 2641560 |
| acttatatac | cccatctcga  | atttaaacta  | atactcaata  | tgaacatgaa  | gtatgcatta  | 2641620 |
| agtagtatgc | tactatgttt  | cagcctgttc  | tgcttgccag  | gctgcaacga  | caatgaaact  | 2641680 |
| ccctccaaca | ctcccggcgg  | agaggaaata  | gaagacatta  | tcaaaagtta  | cgactggcaa  | 2641740 |
| ctggagggta | agtggaaata  | tgcttcgggc  | aatgacagtg  | atTTTTccca  | gacactcggt  | 2641800 |
| ttcgaaaaaa | acggcaaagg  | gtcttatgat  | gacggtacac  | tggaatggta  | ctgttccaac  | 2641860 |
| aatcaattgt | acattgattt  | tgacaacggc  | aaatccataa  | aagattgtaa  | ctattcgttt  | 2641920 |
| tatggagcaa | ctcttcagtt  | gaaaaatccc  | caactgtcgt  | atatcctcga  | ttgtcctttt  | 2641980 |
| atcggctcct | ggcttgcaac  | cgacgcacac  | aaccattttt  | ccggctctac  | tttctattat  | 2642040 |
| actttctccc | ctgatggcag  | tgccgaatgt  | ttcaccttca  | atacttccgg  | tatttgggaa  | 2642100 |
| agtcagaaat | actcgtgggt  | cagaaccag   | aacggtatcc  | aactgctatt  | caatatgact  | 2642160 |
| actaccaagg | acctcatctg  | tcaggcggat  | gcagagaaac  | tgacgataca  | aggcgacgga  | 2642220 |
| gaattcaacc | atgccagtc   | gttctatggc  | aaatggaagt  | ccgtctattc  | acagaatggc  | 2642280 |
| atcattaacg | aagaagatga  | gaacttttcc  | accatcgagc  | tttaccaacg  | aacctatgat  | 2642340 |
| gattatgtct | actataagga  | tgattacttt  | gtatactata  | agaaagataa  | caaatatgcc  | 2642400 |
| agcttccaag | gtctgatgtc  | tatcttgctc  | cccaacagaa  | gtttattaat  | aaaaccagcc  | 2642460 |
| gatggcaatg | accctttgtt  | cctctatttc  | cgttttttatt | attcaaaaga  | ttcaggaaag  | 2642520 |
| gtttatctgg | aactaagcaa  | agacaactca  | tttacagaat  | atacaagata  | tgaatttgta  | 2642580 |
| acagcattat | gagcatgaag  | aaagcgatac  | tactacctat  | gctgtgcctc  | atcaccttat  | 2642640 |
| gtggatgtga | aaagagcact  | gaattatccg  | aatcacagg   | caatacaggg  | aacagtgaaa  | 2642700 |
| accctgaaac | agaaacgccg  | gaaaacggaa  | gtctgacctt  | tcagttgcat  | acggataaga  | 2642760 |
| caacctgtaa | cttgctggat  | ctgaccgttt  | tctcaatttc  | gttcaatcgt  | accgtttcca  | 2642820 |
| tgctggacat | atcccatcag  | tttgattcaa  | ttgcatggat  | agtagaagat  | aaagacaaaa  | 2642880 |
| atctccactc | attctgtatc  | atggaacaaa  | ataaaaagtt  | tttccaatgg  | agtcactgct  | 2642940 |
| tttattatcc | cggcgagtat  | aaaacatacc  | tggcaggata  | taaagcccaa  | aaagaaacct  | 2643000 |
| tcagaagtga | tacactcgac  | ctgcaagtcg  | ttacaaaaga  | cttttttagga | tggaaatgga  | 2643060 |
| acgaatttcc | caatgaaaca  | gggcaaacgg  | ggacaggtag  | cgtaaacctg  | ttcaacagtg  | 2643120 |
| acttcgaatt | gacatattat  | aatcagctgt  | ccgacaatgg  | cgtaccaggg  | tggaaacctt  | 2643180 |
| acgtatttaa | ttctgccgga  | gaagacgaac  | aggcattcta  | tgaaaaatca  | tccgaagcac  | 2643240 |
| tttaccacta | cataacccaa  | atatacgggt  | ctccttccat  | tgacagaaat  | tccccgaac   | 2643300 |
| tgacggaagc | atttacagcc  | gattttgatt  | atcatcctga  | ctatgcaact  | cctctggcta  | 2643360 |
| tttgggaaac | agaacagaca  | cgcacgtac   | agcttcggat  | tgataaaaaat | tggccaacag  | 2643420 |
| ctcgcaccta | tacggaaccg  | ctttccgaaa  | aatgatctgc  | ctaataaatg  | acaacaatca  | 2643480 |
| ctccatttta | gcatggataa  | acttgactta  | aagaccgaaa  | acatgaaaaa  | caaaaaaagc  | 2643540 |
| tgattaagag | tctgttgcc   | taccaagaga  | gctaaaagt   | gtacagctca  | aaggtaaaag  | 2643600 |
| aaaagatgac | gccaagccct  | tttgctgaga  | ttgttatgta  | gttagtttaa  | tatcagagta  | 2643660 |
| tgactaacgg | tttaacaatt  | tttatcggac  | agcaataata  | tctataagtt  | acaatatata  | 2643720 |
| aatctcctgc | tttagccttc  | attcatttat  | atggctaaaa  | gcaggagatt  | ttttactatt  | 2643780 |
| aagtttcaat | ctatacgatt  | gttactctag  | caatttttcag | aagggtccctt | aaaaattctg  | 2643840 |
| tagttacatt | cctcattttc  | aagaggatct  | ctttggtttg  | gaccattttc  | cctttctctt  | 2643900 |
| ggtatcatga | gttgccctacg | tcttaaaggc  | aaaaccccat  | cttttccaaa  | agtaagtttt  | 2643960 |
| gatatacagt | caccaccta   | attagagcaa  | gaaagataaa  | accttatttt  | tcagtcaatg  | 2644020 |
| taataccatc | cagacagaaa  | tagttcggag  | tattcatgcc  | ataatctcct  | gtatcggtag  | 2644080 |
| attccatctc | gaaagtaaca  | taagcagcac  | ctgccagcgg  | agtccagtcg  | aaccattccc  | 2644140 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| aagtattttac | aaccgagttc | tttccatcgc | gatagtcagc | caaataaaaa  | gtattttcttc | 2644200 |
| ctactttcttt | accagaagca | tcatgaccga | tagctgttac | tgtaaaataa  | tctccatcgg  | 2644260 |
| taaagggacc  | ttttaccact | ccactgccat | cgtttccatc | ttttattgcc  | agataatcgt  | 2644320 |
| aagtcgtgtt  | ggtaatgtaa | gcacccttga | actgatactt | atctgtctgc  | aagttatcca  | 2644380 |
| attgtgtagg  | attcgacaat | gctacggtaa | gatatacact | accttcttta  | cccttacctg  | 2644440 |
| ttatcgcact  | gagatttaaa | tagcccggag | tagttacatc | ggtggtatta  | gtatatgtaa  | 2644500 |
| atccgccacc  | gaatccccag | tcgccaaaat | agctgttaca | cttaactaac  | gattttactgt | 2644560 |
| ctgtaaacga  | tgtaacctta | taccagtcac | tgtatttttc | accttctgta  | ggagcaaacg  | 2644620 |
| ccgtgttagc  | ttctgtcagc | ttgtcttcga | aactaactac | cacatcctgc  | ttttcattcg  | 2644680 |
| gaactgtcgg  | ttcatcatcg | ttactacaac | tccacaaacc | tacgcacaaa  | catgcgtaca  | 2644740 |
| aaacaaaaaa  | taactttttc | atttgcctgt | caattaatta | atttaataaa  | tatagtttac  | 2644800 |
| tattcatttc  | ttataatgta | aattttctac | tccggtaatt | tcggtagaaa  | gctctcctat  | 2644860 |
| ctgtccacaa  | tattggttga | ccgccgtata | aatcttcacg | aatcaatct   | catcgagagc  | 2644920 |
| tacctgttta  | ccctgggcat | ctaccgcca  | gtctatcttg | aacttcgaca  | tttccgtact  | 2644980 |
| gttgggggtga | ttatcggcat | atccccagtc | gtaagcatag | cctacccaaa  | ctccattttc  | 2645040 |
| atcaacggca  | ttgtctttca | gacgcgttcc | acggaacgtc | aagcggtcac  | tttcttccca  | 2645100 |
| aagcggataa  | tacgatgcct | gctgatggaa | cgtattccga | tacacatagc  | cctcgtttcc  | 2645160 |
| ctgattatcc  | gtccagcgca | catccgcatt | ttcgggctca | ggacgataat  | aggttatttc  | 2645220 |
| gtaattacga  | atttccgtat | cctttccgta | ttcactgcca | gccagttcgt  | accatgtatc  | 2645280 |
| atcgggctga  | ccgttgccgt | tctcatcttt | cgacaccaat | acgatacccg  | gttcggcact  | 2645340 |
| tcctcccggga | cgatcctgcc | aggcattcgg | attgtagttg | gcattaccgt  | aaatcttgaa  | 2645400 |
| atcgactact  | ccggcgacat | tcggcacagg | ctgagaaaag | cccaacacga  | tatatcctcc  | 2645460 |
| atatgcccc   | aacgataaca | aggacttctt | ctgaagccgc | tcgggtggcat | agtccaatac  | 2645520 |
| ctgctgtttg  | gtagtaaagc | cttcaacgta | agccgtagta | gtcgtattca  | tgtactgcgt  | 2645580 |
| agggtgccgga | acataatcga | gcaccttatc | ggcataggca | gccatcccgt  | ccgaatcatc  | 2645640 |
| cggatttctcc | ggcgtatcga | cattggcagc | ctcatcgcg  | aacagcacgg  | tattcggggt  | 2645700 |
| cagccctacc  | ccgtctaaac | ggaacatgag | ctcacctca  | ggcgtgaagc  | acaacaaatc  | 2645760 |
| accgtctacc  | tgataattgt | aggcttctgt | gatatatata | ttactgctat  | acggattcac  | 2645820 |
| ctgaatggaa  | aacggacgct | ctatccgagt | cccatcggtg | atgaactgac  | ttctcaccac  | 2645880 |
| ttcccctata  | gtcagattga | aaaccttgaa | ggccgtctgt | ccggtagcgt  | aatcgtaatt  | 2645940 |
| atagagataa  | gccgtgttgt | aatcgaaggc | aaagtccatg | accggctcat  | catatatctt  | 2646000 |
| ttccactaca  | tccgactgcg | tgtttatctt | caccagctta | tagtcgcctt  | gttctatctg  | 2646060 |
| ttcgcttga   | gtggcgaccc | acacactatg | atcgggacca | gccaatattt  | tccccggatt  | 2646120 |
| gggaccgacc  | tctatcttct | tgtttctgt  | aaaggtcgac | agatcgacaa  | cagaaaccgt  | 2646180 |
| acggtctact  | cctatcccag | cccagtccaa | tcctccggaa | ttggaaacgt  | aaagtttacc  | 2646240 |
| atcctgcaca  | cacaaatcct | ccggattacg | accacttcc  | gtgatgccgt  | ctatctccag  | 2646300 |
| cgaagtcgta  | tcgatacggg | ctactgttcc | atcgtaaaga | cagacatagg  | cctttccttc  | 2646360 |
| ttcaaaaagca | atagcacgag | gctgacggga | actaccatta | tcggccagca  | tcggaatctg  | 2646420 |
| tttgatggaa  | agccctgtct | gaagatctac | cacctctacc | gtactcgaaa  | cattcacaac  | 2646480 |
| tatatacaac  | ttactgccgt | aaatatccat | gtcattggcc | gtatctccca  | gccacgatg   | 2646540 |
| attcagcgca  | cggaaataat | cgtacgaaca | agtcctcgtc | tgaaacgaat  | accttgccag  | 2646600 |
| cgtactgttg  | ttcaggttaa | acagtccctc | gttcaatata | tacatttccg  | ccgttccgta  | 2646660 |
| atcctcgact  | accccgttcg | cctcatctgc | cacataagtt | ttatcttcca  | aatcgtcgca  | 2646720 |
| accggcaaac  | aggagagcca | gcgaacatac | tataaatacc | agcttcttca  | tgcacatcaa  | 2646780 |
| tatttaaccc  | cgaccgtgat | acggaagac  | cgtccgggca | tcgggaagtt  | tttcacaatt  | 2646840 |
| tcataattct  | tattcgccag | attcagcacc | tcggccgaca | gggaaatatc  | agtctttccc  | 2646900 |
| catcgaaaac  | tacgatgggc | agacacactg | tgatcgggat | atccattcaa  | ccgattcttg  | 2646960 |
| gatatatatt  | gtcccagtcg | ataacgctta | cccgagaaca | gcatggagta  | cgacaaatcg  | 2647020 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| acccacggcg  | tttcgagtac  | cgcctgtccg | gagcccgagg  | cacgcggtgt  | atacgctatc  | 2647080 |
| tgatgcttat  | aggtctttcc  | ttccagcgta | gaagggtccg  | gattggtgac  | atccagtgcc  | 2647140 |
| cgctggtacg  | tataattttc  | cgacaaagtc | agcacatact  | tctccaccgg  | ttgtatgctc  | 2647200 |
| aggctagccg  | taaaatctat  | tccctttata | tcgaccttac  | cgagattgac  | catgctccag  | 2647260 |
| ataaacagat  | tcttggtagg  | tatagccact | atcttatctg  | tcacccgggt  | ggaataagca  | 2647320 |
| tccacagtaa  | ccgaaacata  | aggaagccag | tcggatacac  | gcttgctgta  | tgtcagcccg  | 2647380 |
| acattgagct  | gactggcatt  | ttccggtttc | agccgaatgt  | tccctgtctg  | tccgtaatac  | 2647440 |
| aaatcattga  | aactcggcaa  | gcggaaaata | tctttataga  | aaaaacgaat  | acgaaaatct  | 2647500 |
| tcggaagcaa  | acggcttaaa  | cgatacgctg | gcataatggg  | acaatttcct  | atgccctccg  | 2647560 |
| gcactattac  | ctttggctac  | atcctcataa | accactgtcg  | acaacagaga  | agccgaaagc  | 2647620 |
| gtcatccact  | cattgacgta  | cttgcccggc | agcgcggtga  | gccacgaata  | gcgtacaggc  | 2647680 |
| ttggcaaaat  | ctttcaagtc  | gcagttcatg | cggttaacac  | ttccgtcggg  | cgaagagaaa  | 2647740 |
| aaagaaaagac | aatccaacgc  | acggaagagt | acggctgccg  | aaagataata  | ctcctgctgg  | 2647800 |
| aaataactgt  | tttcaactctg | tccggtagtt | cctttataat  | caggggtccag | ataatgctgg  | 2647860 |
| tacatccagt  | tccacttacc  | cgatgcctga | aaggcccact  | tacggttgaa  | ctctttctta  | 2647920 |
| tactggcttt  | ggacaaacat  | attcttgtcc | cataaatgct  | gggaggaata  | atcgtaatac  | 2647980 |
| agtgtagtcg  | cattagggag  | tccgcgagat | gactggtaat  | aataagcctt  | cagcctccac  | 2648040 |
| tgctccgtat  | cagaaaaatt  | accaaacaag | ctggcctcag  | cacgaaaggt  | ctgtacatcg  | 2648100 |
| gtatttttac  | gcttttcacg  | gctggactga | tcgccttcac  | cgccataata  | taaagtataa  | 2648160 |
| gggtagtgcc  | cgtcggacga  | catccattcg | gcattggccg  | tcagcgccca  | tttcgttccc  | 2648220 |
| agcttctgct  | ccagcaagaa  | cgaaggattc | agcaatcccc  | acgagcccga  | tttcagcgaa  | 2648280 |
| gcactgagat  | tcgtcggctt  | attgtcgtga | aaaacaggag  | tcagtgtctg  | gatattcaag  | 2648340 |
| attcctgccg  | aggcgaaaaa  | tcgcgcaggc | tgaaaaatct  | ggtccccctg  | tccgttgctt  | 2648400 |
| agtatcagac  | ggtctacgtt  | ctccaacgaa | aaacgcccga  | tatccacctg  | accgggtctga | 2648460 |
| cagtcggtta  | cagcaatccc  | gtcgtatccc | actaccgtat  | gctgtgctcc  | cagacttcgg  | 2648520 |
| atggaaaccg  | ttttcagtc   | tcctatcccc | ccgtaatctt  | ttaccgttac  | tcccgaaaaa  | 2648580 |
| tgttttcacg  | catcagacac  | ctgcatcaca | ttcagcgtct  | tcagttcctc  | acgggaaaaa  | 2648640 |
| atctggagag  | gagcggccga  | acgtacttca | cgcgtctggt  | aacgggtcga  | caccaccacc  | 2648700 |
| tccggtatgg  | aataaacctt  | cgtggtatct | atatacctgtc | cgccataaca  | tctcgtgca   | 2648760 |
| aaaccgacca  | gcattatcca  | actacatacg | atatacttca  | ttttttcata  | cattataata  | 2648820 |
| cagccaacgg  | atttctccgc  | ttctgcgtcg | cttgcgaaaa  | taaagcatcg  | gggtgaacag  | 2648880 |
| aaagaatatg  | taccgacaga  | tcatcccacg | ctttttcctc  | gaaagctgtg  | aagaaactat  | 2648940 |
| gcatggcagg  | tcttctgact  | cattcctatt | gcagactacc  | ttcccggaaa  | atcattccag  | 2649000 |
| tggcttgagc  | gattgcctgc  | aatatacacg | gaattttacg  | cagcgggact  | gttcaggact  | 2649060 |
| tacacctgat  | tcccttttaa  | tcacagatt  | atccagtga   | aaagagataa  | ccttttgaac  | 2649120 |
| caatgctca   | caaaggtaga  | aagttttttc | aataagccga  | aaatattccg  | taatttttga  | 2649180 |
| gacaagcaac  | taaaacatat  | aaattatggc | aaaagaactc  | gaattgaagt  | acggctgtaa  | 2649240 |
| tcctaaccag  | aaaccggcac  | gtatttttat | gcaagaagga  | gaactgccta  | tcgaagtatt  | 2649300 |
| gaacggacgt  | cccggataca  | tcaatttcct | ggatgcactg  | aacggatggc  | agctagtga   | 2649360 |
| agaactgaaa  | gaagctaccg  | gactgccggc | cgcaacctcg  | tttaagcatg  | tgagccctgc  | 2649420 |
| agggtcagcc  | atcgggtctg  | aactggacga | tacgatgaaa  | aagattttact | tcgtagacga  | 2649480 |
| tcttccactt  | tctccgctgg  | caaatgcata | cgtacgtgcc  | cgtggagccg  | accgtatgtc  | 2649540 |
| ttcatatggc  | gatttcatcg  | cactgagcga | tgtgtgtgat  | gaagctactg  | cccgtttcat  | 2649600 |
| tcaccgtgaa  | gtttccgatg  | gagtgattgc | tccgggatat  | acagacgaag  | cgctggaaat  | 2649660 |
| actgaaaagc  | aaacgtaagg  | gtacatacaa | tatcatcaag  | atagatccgt  | cttaccgtcc  | 2649720 |
| tgcaccgata  | gagcaciaag  | atgtgttcgg | cattacattc  | gaacaaggac  | gtaacgaaat  | 2649780 |
| caagctgaac  | ggtgacaatc  | tgtttgccaa | cattcctact  | cagaacaaga  | acttccccga  | 2649840 |
| atctgcacgc  | cgcgatctga  | tgattgccct | gattacactg  | aatatacac   | agtcgaactc  | 2649900 |

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|             |            |            |             |            |            |         |
|-------------|------------|------------|-------------|------------|------------|---------|
| cgtatgttac  | gtcaaagacg | gacaagctat | cggatcgcga  | gccggacaac | agagccgtat | 2649960 |
| ccactgtacc  | cgtctggctg | gtaacaaggc | agatgtctgg  | tatctgcgcc | agcatccgaa | 2650020 |
| agttctgaac  | ttgccatggg | tagaaaaaat | ccgtcgtgcc  | gaccgtgaca | ataccatcga | 2650080 |
| tgtctatatc  | agcgacgagc | atgacgatgt | gcttgccgac  | gggtgatggc | agcagttctt | 2650140 |
| taccgaaaag  | ccggaagttt | tgactcgtga | agaaaaacgt  | gcatggctga | atacactgaa | 2650200 |
| aggtgtttca  | ctgggttcag | acgcattctt | ccccctcggc  | gacaatattg | aacgtgctca | 2650260 |
| caaaagtggg  | gtggaataca | ttgcacaagc | aggaggatcc  | gtacgtgatg | accatgtaat | 2650320 |
| cgctacttgc  | gacaaatatg | gtatcgccat | ggcattttaca | ggtatccgct | tggtccacca | 2650380 |
| ttaataaacc  | gcaataactc | acaaacgaga | aaggcggaca  | acaccggcac | tctttttccg | 2650440 |
| gttggtgtcc  | gcctttctgt | ttgtctgttc | cttcactcag  | aacttatatc | ctaccgtagc | 2650500 |
| gaaaatagcg  | aggttacggg | gaccgttttt | ccacatgcgt  | gccaggccaa | attcgccctc | 2650560 |
| cacacctact  | aggtaatgac | ggaagtcgag | atttatacc   | gcctgtatac | cggcatcaaa | 2650620 |
| gcgacgaagg  | ccatcccata | ttttcacatt | attcagacaa  | gcatcattga | aagtagccca | 2650680 |
| agatgaagtc  | acatcatctg | ccttctgttc | tgttttaccg  | acaatgccat | aaccgatgta | 2650740 |
| tccacctcca  | gctattacta | tatcaaaatt | cttgggagta  | ccaatatgaa | aagcagccag | 2650800 |
| aataggcatt  | tcaaaataat | tctgattgac | cgtttgcttt  | gtatcaccta | ccaacgaata | 2650860 |
| cttagcgcct  | ttcgaagtcc | agttcaatcc | cgtctgaaaa  | gatacccacc | cggtaagcgg | 2650920 |
| tatatccact  | cctactccga | tgcgctggtt | aaacaaagat  | tttgatgagc | cgaatccatc | 2650980 |
| tcccattccac | gaagacgcac | ccagacctaa | ttttacattc  | cacatcggac | gttgtgcatt | 2651040 |
| gacaagcata  | gccgacagca | cacataaaac | caagagatac  | agttttttca | tagtcaagac | 2651100 |
| cgtttattgt  | tgagataata | agaatagatt | tcaccagaa   | gcctgttccc | tacaaagtcc | 2651160 |
| gtgagaaaaag | cttctagaaa | caaataaat  | catatcacc   | aacattcaca | atcaaacttc | 2651220 |
| aggaaaaaga  | accgaaaagc | aaccataatg | actagaatat  | ccgacctttt | tacatctgca | 2651280 |
| cagccctctg  | gcaaacataa | attgtccctg | acgcaaggga  | atacaatcca | ttgcaacagg | 2651340 |
| gacaatccaa  | actcaaattg | ctcaggtgtg | ctacctgatc  | atatcattca | ttccagtatc | 2651400 |
| agaactcata  | atcgataccg | atagaaatgt | tctctccatc  | aagtgttaca | ccaaatccgt | 2651460 |
| cggaacctct  | gaagtaatcg | tcacggtaac | cggcgaaacc  | tactttggta | ataaagctga | 2651520 |
| agctatcatt  | caacttgatg | gccagtcctg | gcttcaacc   | gatttcgaaa | ccgttcacag | 2651580 |
| catctctgtg  | ctcagctttt | gatgtagaaa | atcctaattc  | catatctatg | aacagacgta | 2651640 |
| cgattttgtt  | ttcgtagaaa | gaataacgag | cgtacggagc  | aatggcaaaa | ctattgacgt | 2651700 |
| gtgatgaaat  | tctgtctttt | ccctcatcgt | aatacgttcc  | ttcgtgagca | tatgccaatt | 2651760 |
| cagctccaat  | tgcccagcgt | tcattcaggt | tatagccaaa  | atcgggtgag | atagagaatg | 2651820 |
| aattgatgtc  | ggcatcacia | tctctccaaa | gactgatacc  | gcctcccaaa | tacattttct | 2651880 |
| gtgcatacga  | tgacaaagca | gccatcagca | caaccacaag  | cattaaaact | tttttcatga | 2651940 |
| ttacattaaa  | attattagtt | agttatacaa | aaatatgtcg  | agcgtcttaa | ttgccgcctc | 2652000 |
| atccgttttt  | atggcgatta | gcacgtctgc | ggcgatatct  | agctttcatt | ttagccgaac | 2652060 |
| cggacccatg  | caagcccgtt | atataagttt | ttttcttagc  | cttcgtcttt | acttttctct | 2652120 |
| ctttcttgac  | cgaaggcgac | ttgcttccct | tgaaaataat  | tccttctgta | agtattttct | 2652180 |
| ctatatccat  | atatctattt | tttatccatt | attttttagg  | aaccagcttt | acgtgattcc | 2652240 |
| ctgttttagt  | acaaataagc | gtacgttca  | acggagttcc  | cgttttcata | tcaaaaagga | 2652300 |
| ctcccggatt  | gatatgctgt | ccgttcaccc | ttatttcgaa  | atgcagatgt | tcggtggtag | 2652360 |
| cccgtccggt  | acgtcctgtc | agtccgacag | gctgtcccg   | cttgaccgta | tcgcctaccg | 2652420 |
| ctaccagatt  | tttcgagtta | tgactgtaaa | cagtttccag  | tccgttggca | tgacgtacca | 2652480 |
| cgactacctt  | gccgtatccg | ccataatgct | ttgccatacg  | tactatccca | tcgaagacac | 2652540 |
| agcgaatggg  | atcgttcgca | cgagtcttga | tatccgatcc  | gctatgtcct | ccccgtgagc | 2652600 |
| cataagcaga  | aatcactttt | cctttcggca | aaggaaagca  | gaaggcagaa | tccgccagac | 2652660 |
| tgtccagatg  | aatctcaaaa | ctgtttccct | tggaacaaa   | ttccggcgct | tttacacgaa | 2652720 |
| tatgattgcg  | ttccattttc | gaaaacactt | tcgtcttcgg  | ttcggcagca | tgtacagaca | 2652780 |

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|            |            |             |             |            |             |         |
|------------|------------|-------------|-------------|------------|-------------|---------|
| gtacgcaacc | cagccatccg | cacaataaaa  | atcctgccag  | tatgatctgt | ttcattattc  | 2652840 |
| aaaaaataca | agttccacgt | cgtgagcgtc  | ggcaaactct  | ttcagcaagc | cgatcatata  | 2652900 |
| atttacatta | tcctccagtc | cttactgcc   | gctgtaacca  | ttcataatag | caagcagatg  | 2652960 |
| tgtggtacct | tcacttatct | tcgtgcgttc  | attatcgctg  | gtaggagttc | ccaccccccc  | 2653020 |
| tacagcatca | cgatataccg | gcataccttc  | gatgttcagt  | tcgccacgcc | cgattccctc  | 2653080 |
| gtaaggttct | ccagccttgc | cgatacccaa  | caccagacgg  | tcgccctgta | tcttgtccag  | 2653140 |
| atcgaatcct | ccgatggaat | gtccgctata  | gatggaagcc  | agattaatca | ggtcgaccaa  | 2653200 |
| cgtatctatc | tgatacaaag | gaattcctct  | caagatacga  | cgacaaagag | cctccgaaga  | 2653260 |
| aggacgatag | cggctaggat | cctttccaca  | tttcttataa  | gcctgtcgag | tagtctgaat  | 2653320 |
| agccggcatt | tccttgatgg | agtcggttgt  | atatttcgag  | cgatacaaag | ctgtaaactc  | 2653380 |
| cccgatacgt | ttccacagct | cctcgttgta  | ggctgtatth  | tttaccgtag | caaagactgc  | 2653440 |
| ggctccccga | aactgaggcc | atgcttgctt  | cagttcatcg  | gatacttcta | tgggttaattt | 2653500 |
| cttcattgta | caactgattt | tatttttctt  | ctattaatca  | aacctgtcta | aaccaacaag  | 2653560 |
| cggcaaaaag | gcagacaatg | ctaaacgtcc  | tccagcataa  | tgctgaaag  | aatgcgtccc  | 2653620 |
| gacgctattc | cctgccggcg | tgagagaag   | aaatcggcat  | tttccttcca | agtacaaata  | 2653680 |
| ccgctcacct | caatattcga | aggcaacacc  | ccaaaatcga  | gtaactgcat | gcggttcgct  | 2653740 |
| tcccacaaat | caatatgcc  | tttgtcccga  | cgcaagcga   | tgcgctgcat | ctcgaatccg  | 2653800 |
| ttccggtcga | aacagtcgta | tacttcatcg  | ccaacctcaa  | aagcctccag | cgatatgctc  | 2653860 |
| ggaccgatac | atgcaatcac | atccttacc   | tgagtaccat  | aagtgcagga | cattacctcc  | 2653920 |
| agagtcttag | ctacaatacg | ggcaaccgta  | ccccctcagc  | cggcatgtat | tgacgaaca   | 2653980 |
| gcacgatgtt | tcacgtcgaa | gcacagtaca  | ggaacacagt  | cggcagtcga | tatgcaaaga  | 2654040 |
| cactctccgg | ctacatccgt | aaccagcgca  | tccactccct  | ccagcagcga | agccctctcc  | 2654100 |
| gtttccggat | ggctgagaaa | ttcacggctg  | actatccgca  | cttccgtacg | gtgtacctga  | 2654160 |
| tgtggaataa | tcagttcttt | cttctttccc  | ggcaatagag  | agcaaagcaa | ctccctgttt  | 2654220 |
| ttctgcacat | tctctggcga | atcgccacag  | aagccattac  | agttgaaaga | agcatattcc  | 2654280 |
| cctgcactat | acccaccatg | acgagttgtg  | gagaaacaaa  | aaatgccggg | gtacgatctc  | 2654340 |
| atcaaaccat | actccaacat | tcttttatcg  | tttgaatact  | gcatcatcat | ttctgcggtt  | 2654400 |
| cgctgtccca | gtctacttcc | tcatattcgt  | agtcgaaatc  | atcctcatcg | tcagcatcct  | 2654460 |
| cgtactcata | atcgaagtct | tcgtcttcac  | ccatttccct  | cagttcttcc | tgaagcttgg  | 2654520 |
| tcacatcctt | cgcacggtgc | acgatggatg  | cctgacgaag  | tccttccaga | cggttgctgt  | 2654580 |
| ctttgttcaa | ttcctccac  | aagatatctt  | tcaactgctg  | aatgcctata | ttggctacag  | 2654640 |
| atgaaataaa | cacatgaggt | atattttcgg  | gcagtgtcgg  | agtcagcatc | tctatcagtt  | 2654700 |
| cttcatccag | catatcacac | ttcgtaatag  | ccagtaccgg  | ctgcttgctg | agcatttccg  | 2654760 |
| gattaaactt | agccagctcg | ttcagcaaga  | tatcatactc  | ccggcggata | tcatccgtat  | 2654820 |
| cggccggaac | catgaacagc | agcaacgagt  | tacgctcgat  | atggcgcagg | aaacgaagtc  | 2654880 |
| cgagtccctt | gccctcactt | gcaccttcga  | tgatacccg   | aatatcagcc | atgacgaacg  | 2654940 |
| acttgccgtc | acgataggaa | acgataccca  | gattcggttc  | cagtgtcgta | aacggatagt  | 2655000 |
| tggctatctt | cggacgcgca | gccgatacgg  | tagacagaag  | agtagacttt | cctgcgttcg  | 2655060 |
| ggaagcccac | cagaccgaca | tctgccaata  | atttcaattc  | caaaataaca | gtcatttccct | 2655120 |
| gcatcggttc | accgggttgc | gcaaaacgcg  | gtgcctgacg  | ggttgccgta | cgggaagtgc  | 2655180 |
| agttaccag  | tcctccccga | cctcctttca  | acagaatgac  | ttcctgtccg | tcttcggtaa  | 2655240 |
| tgctgcatac | atacgccctt | gtttcggcat  | tgtaaacaac  | tgtaccgcac | ggcacttcaa  | 2655300 |
| tcaccttgct | ggcaccatcc | tttccgaagc  | tcttggttctt | cgagccattg | cccccatggt  | 2655360 |
| cggcaaacac | gtgacgttgc | tacttttaggt | gcagcaaagt  | ccagtaattg | cggtttcccc  | 2655420 |
| gcaagataac | atgacctcct | ctaccaccgt  | cgccaccgtc  | aggacctccg | ttgggcatgt  | 2655480 |
| atttttcacg | gcgcatgtgt | accgagccgc  | gccctccctt  | accggagcgg | cagtagatth  | 2655540 |
| ttacataatc | aacaaaattc | gattcagcca  | taatattttc  | ttgaaaaatt | aaaaaagccg  | 2655600 |
| accgtcatcc | aaacggtcta | cagaaaaata  | tatggatttc  | cgactacact | tccagccggt  | 2655660 |

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|            |            |             |            |             |             |         |
|------------|------------|-------------|------------|-------------|-------------|---------|
| ccatattatt | aagtaaaaaa | gagaacgaga  | aacttcccaa | cggaagttcc  | tgcattctcc  | 2655720 |
| gtttttatgt | tacttgatta | aagtttgtcg  | atagcagtgc | agatatctgc  | aaagatacca  | 2655780 |
| tccattgagc | ccagaccgtt | gatgtggcag  | tatttaccgt | cattcttgta  | ccagtcaatc  | 2655840 |
| agaggagcag | tctgagaatg | ataaacaacc  | agacgtttct | tgatagtttc  | ttcgttatcg  | 2655900 |
| tcggcacggc | cagattcttg | tccacgttta  | atcagacgag | tcatcagttc  | atcttccgga  | 2655960 |
| acttccaggt | cgagcataat | agaaacttct  | tgaccacgaa | ccttcaacat  | ttccttcagc  | 2656020 |
| gcttctgcct | gagcgatagt | acgtgggaaa  | ccatcgaaga | taacaccttt  | gctatctttg  | 2656080 |
| aagctatcga | atacgctagc | cagaatatca  | atcatcaaag | catccggaat  | caactgaccg  | 2656140 |
| ttgtcgatat | atcctttggc | agtcttgccc  | agttctgtac | cgttcttgat  | ttctgcacgc  | 2656200 |
| aaaacgtcac | ctgtagagat | gtggttcaag  | ccgtatttct | ctacgatacg  | cgcactctga  | 2656260 |
| gttcctttac | ctgaaccg   | tgcaccgaaa  | attacaatgt | tcaacatctt  | tattaccttt  | 2656320 |
| atttaattta | tgattaatta | ttctattacc  | gtataaatgt | cacgatagtt  | acgtcccagt  | 2656380 |
| ccgtcgtaat | ccagaccata | tcctacaata  | aagtcattgg | gaatgttcat  | tgccacataa  | 2656440 |
| tggatatcca | aatccacctt | caatttatca  | ggcttcacca | gcaatgtagc  | gattctgatt  | 2656500 |
| tccttcggat | tacgtgcacg | aagcgtttct  | atcaactgct | tcatggtaag  | ttccgtatcg  | 2656560 |
| acaatatcct | ccacaattac | aattgtacgt  | ccggtaatgt | catcgcccag  | gcctaccagt  | 2656620 |
| tccttcacct | ttccggttga | agatgtaccc  | gcatacgaag | ccagcttcac  | aaaagatacc  | 2656680 |
| tcacaaggca | tagtcaagtg | cttcatcaga  | tcggcagtaa | acataaacga  | gccattcagt  | 2656740 |
| acacttataa | aaagcgggtt | ggccccagcc  | aaatcacgat | tgatttctcc  | agccacacgg  | 2656800 |
| gcaacttccg | ttaatatctt | ctcctcagga  | ataaaagtct | taaagcgttt  | atctttgatc  | 2656860 |
| tgaattacac | tcataatata | taactttata  | aaattgggac | aaaaatacga  | attatccctc  | 2656920 |
| aaacttctat | acttttttcg | tacttttacc  | gacaaatagc | tattgagaaa  | aaagatgaaa  | 2656980 |
| atacttagtt | gcactcaaca | aaaggaggcg  | gatgcttaca | caatcgccca  | agaaaacata  | 2657040 |
| ctttccatca | acctgatgga | gaaagcagcg  | tcactgctta | ccgaagaaat  | ttgccgcgga  | 2657100 |
| tgggacaaat | cccaccgat  | cgtcatattc  | gcaggttcgg | gaaacaacgg  | cgggtgatgcc | 2657160 |
| gtagccgtag | cacgtatgct | gtttcagaaa  | agctataccg | ttgaagttta  | tctgttcaac  | 2657220 |
| attacagggg | tattgtcgga | cgactgcatg  | aagaacgtac | aacgcttgca  | ggaatgcgga  | 2657280 |
| tttcccaact | atcatgaaat | cagtaccagc  | ttcgatectc | ctaaactgac  | caaagacgat  | 2657340 |
| gttgtagtag | acggactttt | cggctccgga  | ctcaacaagc | cgttaagcgg  | aggatttgcg  | 2657400 |
| tcggtagtaa | aatacatcaa | tgcttcacag  | tctaccgtcg | tttccatcga  | tctgccttcg  | 2657460 |
| ggcctgatgg | gagaagacaa | ttccaacaat  | atccgccaga | acatcatccg  | tgccgatctc  | 2657520 |
| accctgagca | tccagttgcc | taaactgtct  | ttccttttcc | ccgaaaatga  | agacatcgta  | 2657580 |
| ggcgaatgga | aactgctcga | catcggcata  | agcaagaact | tcatcgaaca  | agctactacg  | 2657640 |
| ccttatacca | tcaccgaagc | cagcgacata  | caccagatga | tcaagcctcg  | cggacgcttt  | 2657700 |
| gcccataaag | gcaatttcgg | acacggcctg  | ctgatagccg | gttcgtacgg  | tatggcagga  | 2657760 |
| gcttccgtac | tggcagccc  | cgcttgctcg  | cgctcaggca | tcggtctgct  | gaccgttcat  | 2657820 |
| acgcctgtcc | gcaaccatga | tattgtacag  | gcaaccgttc | ctgaagcaat  | ggtacagaac  | 2657880 |
| gacgtacacg | aactttactt | tgccgaaccc  | gtagatctcg | acaattttcca | ggcacttgcc  | 2657940 |
| atcgggccgg | gactgggaca | agaggaagaa  | accgcactcg | ctaccttcga  | ccagctcaag  | 2658000 |
| gagtgttca  | taccgtggt  | acttgatgcc  | gacgcactga | acatattcag  | cacacatcgt  | 2658060 |
| aactacctga | accggatacc | gaaacgcacc  | atcctgacac | cgcacgtcgg  | agaactggaa  | 2658120 |
| cgcatactcg | gaagatgcaa | caacagtttc  | gagcgactga | caaaagccaa  | ggaacttgcc  | 2658180 |
| acttaccttc | agtgtacat  | tgtactgaaa  | ggggcctata | ccgttgatcat | cacccccgaa  | 2658240 |
| ggtaactgtt | tcttcaacca | gacaggtaat  | ccgggaatgg | ctacaggagg  | cagcggcgac  | 2658300 |
| gtactgacag | gtatcattct | ggcactgctg  | tcgcaaggat | attcacaaga  | gaatgcctgc  | 2658360 |
| cgaatagccg | tatatgtaca | tggctctggca | ggcgaatcgc | cccgttaaccg | ggtcggagaa  | 2658420 |
| atcagcctga | cggcaagcga | tatcatagat  | gctctgccc  | aagcatggaa  | aaacattact  | 2658480 |
| gaaactaaat | aacaaaccac | tatgaacaga  | acgattattg | cattgggggtt | gttggcatgt  | 2658540 |

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|             |            |             |             |             |             |         |
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| tcaacacaca  | tcgcagcaca | agatgtaa    | atatatactc  | cgggcagcga  | tgaaggcatc  | 2658600 |
| gtatatattcc | tgcccaagac | tgactggaa   | gtgaatatca  | ttgccacacg  | catcaattac  | 2658660 |
| cagccgggag  | aattatgcc  | gtatgccaat  | cgttacctgc  | gcatgaacaa  | tgtaaactct  | 2658720 |
| cagccggaaa  | cctattggga | gatcaaacaa  | attgatgtcc  | gctcggcagg  | agtaccgat   | 2658780 |
| tcaaccaaag  | catatattat | caagctgaaa  | gacaaaagcg  | tcttatcaaa  | tatagaactg  | 2658840 |
| accgaagacg  | gtatcgcaaa | ggctatcaat  | acgacttttc  | cgaaggaata  | cgaacaaaat  | 2658900 |
| aaggactacg  | agctagagaa | acctctgccg  | cacgaaaaca  | gccgtaaata  | tatgacggaa  | 2658960 |
| gaaattctga  | tggcgggttc | tacagccaag  | atggcggagc  | ttacagccaa  | ggaaatctac  | 2659020 |
| aacatacgcg  | aaagcaagaa | cctgattctc  | cgcggaacaag | ctgatactat  | gccgaaagac  | 2659080 |
| ggagcatcgc  | tgaaattgat | aatcgataac  | ctcgacaagc  | aggagaaagc  | gcttacgcaa  | 2659140 |
| atgttcgccg  | gtacaaccga | ccgtgaggac  | aaggatattta | ccgtacgtgt  | cactccggaa  | 2659200 |
| gataatataa  | aggataaaat | catcctgcgc  | ttctcccgtc  | tgctgggagc  | tttgtcgaca  | 2659260 |
| gataatctgg  | cgggagacc  | gatttacatc  | agcataaaca  | gcacgggttc  | gctgccgggt  | 2659320 |
| gcaaccgatg  | acagcaagaa | aaagaagaaa  | cccgaaggag  | ctctctacaa  | cattccgggt  | 2659380 |
| aaaggacatg  | tttctgtcag | ctatcaggga  | aagaaatatt  | ttgaagacga  | cgtacctgtt  | 2659440 |
| actcagttcg  | gttcgacaga | agtactggta  | aacgacttgt  | tcaacaagaa  | agtaaatact  | 2659500 |
| cgtgtcgtgt  | tcaatccggc | tactggtgcc  | atcctgaaaa  | tagacaaaga  | ctaataccgaa | 2659560 |
| cacaacaaaa  | aaagtcatgg | ggctgtaccg  | ttcgattccc  | tgaaacggta  | cagcctcatt  | 2659620 |
| ttcttttact  | gtagtaagtt | tttcatatta  | cataaaaaaa  | tacctcagca  | ggcatccacc  | 2659680 |
| cgcagaggta  | ttctatatat | tctcaggaa   | aattctgttc  | cttgcttaaa  | gtcgaaaggc  | 2659740 |
| aattacttga  | tgtagcttc  | ttccagcttg  | tatccgaact  | tcttgtcggc  | caccttcagt  | 2659800 |
| gcaaaggcaa  | taatcagcga | cagtactgca  | agtccgttaa  | agatacacat  | cggcaacgta  | 2659860 |
| taatcgtaca  | gattggctcc | gttcaccttt  | cctactacac  | aatattttatc | cagcacaata  | 2659920 |
| cctatcaaaag | tcggtatgcc | ccacaatccg  | atattctgga  | taaagaaaat  | caatgcataa  | 2659980 |
| gcggtaccca  | gctgatgagc | aggaatatc   | ttggcaaccg  | aaggccacat  | ggcagaaggc  | 2660040 |
| accagcgaga  | atgcgacacc | cagtacaatc  | atcagtacaa  | tggaatcag   | tgaactcgta  | 2660100 |
| acgaaaggca  | aagcatagat | acagtgtacg  | ccaatcagca  | tggcagcacc  | cagcatcatg  | 2660160 |
| atagaggcag  | ccttaccacg | cttatcgacc  | attccaccga  | ataccggagt  | caggaacaag  | 2660220 |
| gcaccaaggg  | caggaagtcc | ggcaaagaat  | ccggcaacgc  | tctcatcgat  | accatatattg | 2660280 |
| ctgatcatca  | gttcggaagc | aaacttctgg  | aacgggaata  | cacatgaata  | gaacaataca  | 2660340 |
| cagagcaggg  | ctatcagcca | gaatcccggg  | ttagaaagaa  | tcttggaac   | atccttgaac  | 2660400 |
| gagaacttct  | cttccggaga | attgtctact  | tcagcttcaa  | tctgacggtc  | gagtttctta  | 2660460 |
| tccaataccg  | agaatcgaa  | gaaagcaatc  | aagccaccaa  | ccagacagat  | cagacctacc  | 2660520 |
| agtaccggag  | tcgtaatttc | gtacgcacgt  | gccatcgga   | tagctaccgc  | atagcgagcc  | 2660580 |
| tgcaaccca   | cacgagccag | tgctacctgt  | acacccatgg  | ctgttgccat  | ttcctttcca  | 2660640 |
| tggaaccatt  | tggcaatcat | cttggtaacg  | gtaatacctg  | ctacctccgc  | tccaactcca  | 2660700 |
| aagaccgaat  | aaccagccga | cgccacaaac  | acgcttacct  | tatatccaag  | tatcgtaccg  | 2660760 |
| gtagcatctg  | ccatgcctgt | catggcataa  | tattcaactc  | ccgtaccag   | caccatcaac  | 2660820 |
| acggtagcca  | gctttccggt | aaaacggata  | ccaaaacggt  | ccagtatcag  | tccaccccaa  | 2660880 |
| atcagcatca  | ggaagaaaac | attcaggaaa  | ctgtatgcac  | ctgtaaagag  | tccgaactca  | 2660940 |
| ctgctgtccc  | atttcaaate | ggtttcaagc  | atcgtcttca  | acggtgcaac  | gacatcattc  | 2661000 |
| acataatacg  | cagccatcat | cgtgaaagcc  | acgatagcca  | atgcccccca  | gcggatcgcc  | 2661060 |
| cgggaatcat  | tcagtccttt | gagattctgt  | tctttcatct  | atttttatct  | gttttttata  | 2661120 |
| tatttcttaa  | aaatgcgaca | aagatacggt  | tttttcttct  | gttttctattt | cattttttcaa | 2661180 |
| aatatgttct  | aactttgtaa | cagaacgtaa  | cacacattta  | cgataaaaacg | cgtgcaagggt | 2661240 |
| tcactctatt  | tttatttacc | tattaattta  | agatcaacca  | tgagaaaaaac | aaaagttacg  | 2661300 |
| gttcttttgcg | ccattatgag | cgggaagcctg | ttattttctt  | cctgcatcgg  | ttccttcggg  | 2661360 |
| ctgtggaaca  | agctgaaaga | ttggaaccaa  | ggactgggta  | ataaatttgt  | aaacggaatc  | 2661420 |



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|            |            |             |            |             |             |         |
|------------|------------|-------------|------------|-------------|-------------|---------|
| gtattcctgg | catttcatat | cgtaccggta  | tatcaagttg | cttacctggc  | cgatatcatt  | 2661480 |
| gtactgaatt | ccattgaatt | ctggtcagga  | tcgaatcctg | tagctcaggt  | aggtacagaa  | 2661540 |
| agaattattc | agggagaaaa | cgggtgaatat | ctggtagcga | ccaacgccga  | tggtataacc  | 2661600 |
| attatcaaga | aagatgaaga | agacaaacct  | ctcgatttgg | tatacaacaa  | agaaaaacgt  | 2661660 |
| acatggaacg | ccgttgccga | aggacaaaca  | ttcgaactga | ttaccatgaa  | cgaagacgga  | 2661720 |
| accattactt | tcaagcagca | agatggtact  | ccgatgactg | ttactcccga  | tatgatggga  | 2661780 |
| ttgtctacag | cccgcgcaac | acagaacggg  | tcattgttct | ttgcagccaa  | ataagcaatc  | 2661840 |
| agacagataa | atacatataa | taacataaaa  | agtgccgtag | ttcatcatac  | agaactccgg  | 2661900 |
| cacttttttg | tttctgctcc | ttcttgctgc  | ccacacatgc | cgaaaaggaa  | gcatacagac  | 2661960 |
| gccgggcaat | aaaaaagcag | cctctccacc  | acggagaagc | tgctcattat  | tattataatt  | 2662020 |
| aaggtgtata | aagtctttat | tatctactac  | ctgttattag | caactgagcca | gttttccgctc | 2662080 |
| tgaacccaat | acattgatga | ttttgtgctt  | gtaaagtttt | tccatgttgt  | cacgagccgg  | 2662140 |
| gccagatat  | ttacgtgggt | cgaattcagc  | cggtttttca | gcaaatactt  | tacggatagc  | 2662200 |
| agcagtcata | gccagacgag | agtctgagtc  | gatgttgatc | ttgcaaactg  | cagatttagc  | 2662260 |
| agccttacgc | aactgatctt | caggaatacc  | gatagcagct | tccagtttac  | ctccgtattt  | 2662320 |
| gttgatagta | tcaacttctt | cctgaggaac  | tgaagaagat | ccgtgaagaa  | cgatagggaa  | 2662380 |
| tcccggaat  | ttttccataa | ctgcatccaa  | tacgtcgaat | gccaatggag  | gaggaaccag  | 2662440 |
| acgacctgta | gccggatcaa | cgtggcactg  | ttccggtttg | aacttgtaag  | caccgtgaga  | 2662500 |
| agtaccgatt | gagatagcca | atgaatcgca  | acctgtacga | gtagcgaagt  | cgattacttc  | 2662560 |
| ttcagggtta | gtataagtgt | ggtgttctgc  | gcaaacttcg | tcttctacac  | cagccaatac  | 2662620 |
| accaagttca | ccttcaactg | ttacgtcgaa  | ctgatgagca | tagtcaacta  | ctttcttagt  | 2662680 |
| caaagcaacg | ttttcttcgt | aaggcaggtg  | agaaccatcg | atcataactg  | aagagaatcc  | 2662740 |
| catgtcgatg | caagatttgc | agagttcgaa  | agaatctccg | tgatcgaggt  | gcaatacgat  | 2662800 |
| ttcaggatga | gcgcagccca | attccttagc  | atattctaca | gcaccttctg  | ccatgtaacg  | 2662860 |
| cagcaaagtc | tggtttgcat | agttacgagc  | acctttagat | acctgaagaa  | taaccggaga  | 2662920 |
| ttttgtttct | acagctgctt | tgacgatagc  | ctgcaactgt | tccatattat  | tgaagttgaa  | 2662980 |
| tgacgggata | gcgtatccac | ctttgattgc  | tctagcaaac | atatctctag  | tgtttaccag  | 2663040 |
| gcctaaatct | ttgtaattaa | ccattgttgt  | aaaatttata | attgttagtg  | attaaattcc  | 2663100 |
| gtatgcaaat | ttaagaagaa | atgttacaac  | tctttccctc | caccgataaa  | aaagtttttt  | 2663160 |
| atctatacac | attttgacat | aatcattttc  | tgttttacct | aaaaaagcct  | tagtatgtaa  | 2663220 |
| agtgtatatt | acaaatataa | gcaccttggt  | tcacacattt | tatcacctga  | aacgagcccc  | 2663280 |
| ctcctacgac | ttcatttgcc | ggacaaatca  | actttttaca | ccttataata  | tacacatgcc  | 2663340 |
| ggaatatcct | tgtccgaagt | cctgttcttt  | tgccgcatcc | ggcaagactt  | tatataaaaa  | 2663400 |
| attgcacaaa | tcattttcta | tttcaaagaa  | aagcagtatc | tttgcaacc   | gaaacagacc  | 2663460 |
| attacacact | tattttgcag | tgttaccact  | atagcaaata | ataacaataa  | aagtatatac  | 2663520 |
| tgaaatgaaa | aaaggcattc | atcctgaaaa  | ctaccgtccg | gtagtattta  | aagacatgtc  | 2663580 |
| aaacggtgac | atgttcttgt | cacgttcaac  | ttgtgcaact | aaagacacag  | tagaattcga  | 2663640 |
| aggcgaaact | tatccttgtg | ttaagctgga  | aatttctagc | agctctcacc  | cgttctacac  | 2663700 |
| aggtaagtct | aaattggtag | acactgcagg  | acgtgttgat | aagttcatga  | gccgttacaa  | 2663760 |
| ccgtatcaag | aagtaatcat | tacttgaga   | aatataaaat | cgggcgtttc  | tttcacgtgg  | 2663820 |
| gaaacgccc  | attttatctt | gtcccttttc  | ccccttcctt | tccagcatcc  | gctcaggata  | 2663880 |
| ttctgccgcc | cgcaacagac | agcacctctt  | ttccaccttt | tattcacctc  | cgccttttat  | 2663940 |
| cgctccggca | cagtcttgcc | tgcaaggcgc  | atccgttccg | taatttcttc  | cggactttta  | 2664000 |
| ctctacacct | cctgaaaacg | gcagaaaaac  | gtcgagaggt | tttccgaaaa  | tttgtacaaa  | 2664060 |
| aaaatttctt | ttttgtacaa | aaaagaaagg  | cattgccacg | agatgtatca  | caccttccc   | 2664120 |
| gcaatgcctc | agcaatatca | gcaggaactt  | tctagaaagt | cttacttggc  | tgtgtctttt  | 2664180 |
| tcacgtattt | ctacacggcg | aatctttcca  | ctaactgttt | tggaagctc   | atccacaaac  | 2664240 |
| tcgatgacac | gcggatactt | gtaaggagcc  | gtaacacgct | ttacatgatc  | ctgcaattcc  | 2664300 |

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|-------------|------------|-------------|------------|------------|-------------|---------|
| ttcaccagtt  | ccggaccagc | tttcggcttg  | tattctttcg | acaatacgat | agtggctttt  | 2664360 |
| accacctgac  | cacgtatctc | atcgggcaca  | ccggtaatgg | cgcactcaac | cactgccgga  | 2664420 |
| tgggtcatca  | gggcactttc | cacttcgaac  | gggccgatac | ggtatcccga | gctcttgatc  | 2664480 |
| acgtcatcgg  | cacgacctac | aaaccagtag  | tatccatcct | cgtcgcgcca | tgctacatcg  | 2664540 |
| cctgtatagt  | aaacaccgtc | gtgccatgcc  | tcatgcgtca | gttccggatc | gcgataatac  | 2664600 |
| tccttaaaca  | gtcccagcgg | ctttccctta  | tcagtgcgga | caacgatctg | tccctgttca  | 2664660 |
| ccgtcctcgg  | ccgaacgacc | gtcgggtgtc  | agcaggtcga | tgctgtactg | cggattaggc  | 2664720 |
| actccccatgc | tgcccggcgt | cggatccatc  | cacgggaaag | tagcaagcgt | aagtgccgtt  | 2664780 |
| tccgtctgtc  | cgaacccttc | catgagccgg  | atacccgtaa | ttttcttgaa | ggtttcgtaa  | 2664840 |
| accgaatagt  | tcaaagcctc | tccggccgtc  | gtgcaatatt | ccaaagacga | caggtcgaac  | 2664900 |
| ttgctcaagt  | cctcacgaat | caggaaacgg  | tagatggtag | gaggcgcaca | caacgaagtg  | 2664960 |
| atatgatatt  | cgtgaatctt | ctgcaaaaata | tcagcaggag | taaacttctc | atggctgtat  | 2665020 |
| acaaaaacat  | tggcaccggc | aatcatctga  | ccgtacaatt | ttccccacac | ggcttttccc  | 2665080 |
| cagcccgtat  | cggcaatggt | caggatgaaga | ctgtcttcgt | gcaggttatg | ccagaagcat  | 2665140 |
| ccggtggcaa  | tatgtcccag | cggataggta  | aaatcgtgtg | ccaccatctt | aggttcacct  | 2665200 |
| gtcgttccccg | aagtgaataa | catcagcata  | atgtcatcgt | tggatttcac | atgttccgga  | 2665260 |
| cgcacaaaaag | gagcagcgtt | ttcaatgcc   | ttatggaagt | cctcgaaacc | ttccggatac  | 2665320 |
| tccggtccta  | cgctgacgag | cttctccaca  | ctcggagatt | cgggcatggc | atcaggtata  | 2665380 |
| tgcttggtga  | tgacttcctc | acccgcagcc  | acaatcatct | tgatggtagc | agcctgacag  | 2665440 |
| cgataaacga  | tatctttctt | cgtgagcaga  | tgcgtagctg | gaatgactat | cgcaccgatt  | 2665500 |
| ttatgcaatg  | ccaaaataga | aaaccaaata  | tcatagcggc | gtttcagaat | cagcatcacc  | 2665560 |
| ttatcaccat  | gtccaatgcc | gaggctctgg  | aaataagaag | ccgtcatgtc | ggtatacttt  | 2665620 |
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| ttcttttccg  | gacgttcggc | tgcccaggcg  | tccactacgt | cgtaggcaaa | attaaagtcc  | 2665740 |
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| aaatataccg  | gcgtgtcttc | cggcttcggc  | tctaccgtaa | cgataaacgg | atcagccttg  | 2666100 |
| cgccccctga  | aaccagaagc | aagcgactgg  | tacttatatg | ccttggttcg | ctctacggaa  | 2666160 |
| acccccgttc  | cccggcgagt | aagaaaataa  | gatttcattt | tgggttcttc | accaaaccatc | 2666220 |
| agttcatcca  | gcgtaatgcc | gtattcacga  | gctatccgct | gcaacacgct | tacagagaag  | 2666280 |
| tcacattcac  | ccgactcaag | ggcctgatat  | tcctccaccg | taaagttaca | gtcggcagcc  | 2666340 |
| actttctcca  | tactcaaadc | taaagcgtcg  | cgcaaaccct | tcaagcgttc | ggctatctgc  | 2666400 |
| ctaatttgtt  | catccatatt | aatatgtctt  | ttaagataat | gatttcagat | taatcaaggt  | 2666460 |
| acaagtaatc  | gtaatgcacc | agtggacgct  | gaccgtgcat | gcccagcatc | tcccgtgcct  | 2666520 |
| cgacggaatc  | gactccgatg | cgtcctactc  | ctatctggcg | tccccgtgca | tccatgattt  | 2666580 |
| ttacaatgtc  | gtctttttca | aactctcctt  | cgatggcagt | aactcctacc | ggaaggatac  | 2666640 |
| tgacggcctt  | ctttcctttt | acagccttta  | ccgccagttc | gttcagggtg | agttcgcctt  | 2666700 |
| tggcaaacc   | ttcgtgtgtg | gcaatccatt  | tctttacact | cgacacgact | tcggaagaag  | 2666760 |
| gaacgaaacg  | ggtacagact | gtctcagcgg  | gatgctgcaa | caaatcgagc | aggatgtttt  | 2666820 |
| ccttttttcc  | gttggctatg | atgacggtaa  | taccttcgtc | ggccaccttc | cgggcaatgg  | 2666880 |
| tagtcttgg   | aagcatgcct | cctctgccga  | aaccggactt | ctcgggtctg | atatagtcgg  | 2666940 |
| acaaatcttt  | tccgtgttcc | acctcacgta  | tcaccgacgt | acccggctga | gaaggcgaac  | 2667000 |
| cgttgtaaat  | gccgtcgatg | ttactcagga  | taatcagagc | ctgaacatcg | agcatcgaag  | 2667060 |
| caatcatacc  | cgacagttcg | tcattgtcag  | taaacatcag | ttcggtaacg | gatatggtat  | 2667120 |
| cgttttcgtt  | tacgataggg | atgactccgg  | tttccagcat | caccgcgata | cagttacgct  | 2667180 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| caatgccgtg  | ttcgcgaaac  | aattcatagt  | accggttaat  | caactttgcc  | tgtccacag   | 2667300 |
| ccgaatacaa  | ctgacgctgt  | gccacgctgt  | cgagtttccg  | cgacaccttg  | atctcgctgc  | 2667360 |
| gtcccgaagc  | gaccgctccc  | gaagaaatca  | atatcacctc  | cactcctgcc  | ttgtgcagct  | 2667420 |
| cggctatctg  | gtcaaccaag  | gccgacacac  | gagttacgtc  | caacgtccc   | tcacgacggg  | 2667480 |
| taagtacatt  | gcttcctacc  | tttaccgcta  | tctttgtaaa  | ctgaaatgcc  | ataataactg  | 2667540 |
| ttcatttttt  | tcgtatggca  | aatataactt  | tttacttcgt  | aaagcaagcg  | aacagcatga  | 2667600 |
| ataaaaatata | aaattgttac  | ttattgatac  | acatcaatcc  | acatttatgg  | gaaaatcagt  | 2667660 |
| acctttgcct  | gacaaaattc  | aacaccttat  | tatatatggt  | caaagctatc  | ttcttcgaca  | 2667720 |
| tcgacggaac  | actggttttc  | ttccagacac  | ataccattcc  | tcagtctaca  | caaaacgcgc  | 2667780 |
| tgaactact   | gcgcgaaaaa  | ggcatcaagg  | tatttatcgc  | cacaggtcgc  | cccaagggtat | 2667840 |
| taatgatgga  | agcggtagga  | cacctgccat  | tcgacgggtt  | catcaccttg  | aacggcgcac  | 2667900 |
| actgtttcac  | ctctgcccag  | caggacatct  | ataagggaaa  | cattccggaa  | gacgacatcg  | 2667960 |
| aacgcctcat  | cggctatcac  | caccagcatc  | cggaaacgcc  | tttcgttttt  | gtgcacgaca  | 2668020 |
| atgaatgggt  | cataaccggc  | gtaaacgagg  | cggtaaaaga  | agtagcccag  | ctcatcgaga  | 2668080 |
| tcgaaataacc | tcccgtacgt  | cccatcgaag  | aggcacgcgg  | caaggaaatc  | ttgcagatca  | 2668140 |
| tgggttactt  | taaggaagac  | gatgagctgg  | agggtttccg  | caaggttctg  | actcactgcg  | 2668200 |
| aaccgatgcg  | ctggtatccg  | ctctttgccc  | atatcattgc  | acgcggcaac  | agcaagagca  | 2668260 |
| agggcatcga  | tcaagtactg  | gcttactacg  | gcacgcacct  | gaaggataca  | atggctttcg  | 2668320 |
| gcgacggagg  | gaacgatatt  | cccattgctga | gccatgtagg  | actgggagta  | gccatgggaa  | 2668380 |
| atgctgctcc  | agaagtacaa  | gctgccgccc  | gttacgtaac  | gacctcagtc  | gatgaagacg  | 2668440 |
| gcatcatgaa  | tgcttgaag   | catttcaata  | tcttataaca  | tcaatccagc  | cacagctttg  | 2668500 |
| ccagataatc  | gtagtggtcg  | ccttccgcta  | cgatttcggc  | atgaaatccg  | tattgcgaaa  | 2668560 |
| cataggcgga  | aagtgtatcg  | aaatcgacat  | acagccagtc  | gaacgaatct  | ccttttatct  | 2668620 |
| gtttgtactg  | catctggaaa  | tcgacttctc  | cgtaataatc  | cgcagccaga  | tcgagcacat  | 2668680 |
| aactgccgtc  | ctcgtcttca  | tacaggtaac  | gcaaatcgct  | ggagtcaagc  | aatatgcacc  | 2668740 |
| ctccgggagc  | aagcagctgc  | ttcatcctca  | gacagaaatc  | gggcatgttc  | ttcagcttac  | 2668800 |
| cgataatgcc  | cgaaccgttc  | atcagcatca  | gaatggatc   | aaactgtccg  | gtaaagtgtt  | 2668860 |
| catcgaaaac  | gttggcctgc  | aaagccttca  | caccccgttc  | ttgcatggcc  | ttgaccgaca  | 2668920 |
| gcggcgatat  | atcgatagcc  | aaactttcct  | tacctatttc  | cttgagagcc  | agcgaatggc  | 2668980 |
| agccgcttcc  | cgcaccacaa  | tccagaatcc  | gaccctttgc  | caactgcaag  | gcaacctgtt  | 2669040 |
| cctgacgggg  | catatccttg  | tatgcacgaa  | acaattccgt  | tacgggaatc  | tcgtcttcat  | 2669100 |
| cgaactgcga  | agaaaaaact  | ctcaggcgcc  | cagccttgcc  | atgtttgagg  | aaatcgtaaa  | 2669160 |
| tagccgcccc  | catcgatct   | ttctcttcag  | acaacaaatt  | tatattcata  | actgtaaatg  | 2669220 |
| attcattatt  | ttacacacct  | gcaaagatac  | aaaaagaggt  | tcagactgca  | taacgatgac  | 2669280 |
| tatttattca  | cgaattttgc  | ataaattaag  | aataaaacaa  | gaaaaaagca  | ggttggttctg | 2669340 |
| tatattattt  | caatattatc  | tgtatatttg  | cagcctatta  | aagaataatt  | atacacaatg  | 2669400 |
| aaaagtaaaa  | acagccgact  | tgattccatt  | aagatgatta  | tctcaagcaa  | ggagatagga  | 2669460 |
| agccagggaag | aacttcttca  | ggaactgtca  | aaggaaggtt  | ttcaactgac  | acaagcaact  | 2669520 |
| ctttcacgcg  | acttaaaaca  | actgaaagt   | gcaaaagctg  | ccagcatgaa  | cggaaattat  | 2669580 |
| gtatatgtat  | tgcccaacaa  | taccatgtac  | aaacgcgatga | ccgagccaca  | tacagcctct  | 2669640 |
| gagatgctcc  | gccaaaccggg | gtttctgtct  | attgaattct  | ccgaaaacat  | tgcagtcac   | 2669700 |
| aagacacggc  | cgggatatgc  | tagcagcctg  | gcgtacgaca  | tcgacaacaa  | ccatttccac  | 2669760 |
| gaaatcatcg  | gaacgattgc  | aggcgatgat  | acgattatgc  | ttatcgctccg | cgaaggctgt  | 2669820 |
| acccgcacca  | gcgtaaaaca  | agcactggca  | catgtaatac  | cgaatataaa  | cctaataaaa  | 2669880 |
| taagatacag  | aaagaaaatg  | gatactaaac  | aaattgatgt  | tatggtagcc  | gacgcctcac  | 2669940 |
| acgaggtata  | cgttgacaca  | atactagata  | caatccgtga  | agctgccaaa  | gtgcgtggaa  | 2670000 |
| caggtatcgc  | agaacgtaca  | cacgaatatg  | tagcaacaaa  | gatgaaggaa  | ggtaaggcca  | 2670060 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tcatcgcttt  | gtgcggcaac  | gaatttgcag  | gattcactta  | catcgaatca  | tgggggaaca  | 2670120 |
| aacaatatgt  | agccacttcg  | ggacttatcg  | tacatcctaa  | ataccgcgga  | tgcggacttg  | 2670180 |
| ccaaacgtat  | caagcatgct  | tcgttcacgc  | tggcacgtct  | gcgctggccg  | aaagccaaga  | 2670240 |
| ttttcagtct  | gacttcggga  | gctgccgtta  | tgaatatgaa  | tacggaactg  | ggatatgtac  | 2670300 |
| ctgtcacttt  | caatgaactg  | accgacgatg  | aagcgttctg  | gaaaggatgt  | gaaggctgca  | 2670360 |
| tcaaccacga  | aattctgggt  | gcaaaaaaac  | gtaaattctg  | tatctgtaca  | gccatgctat  | 2670420 |
| acgatccagc  | attgcacaca  | gacgacaaaa  | taacaaactt  | ttaacacaac  | actcaatcaa  | 2670480 |
| caagaatatt  | aatacagaaa  | aagatgcctc  | attttcagcc  | atcgtttttc  | actaaataaa  | 2670540 |
| tgcccttatgg | aagaaaagaa  | aaaagtagtc  | gttgcgttca  | gcggcggact  | ggatacatca  | 2670600 |
| ttcacagtca  | tgtatctggc  | aaaggaaaaa  | ggttatgaag  | tttatgcggc  | ttgcgccaat  | 2670660 |
| acaggtaggat | tcagccctga  | acaactgaaa  | aagaacgaag  | aaaacgccta  | caagctggga  | 2670720 |
| gccgtgaaat  | atgttacact  | cgacgttact  | caggaatatt  | atgccaagag  | tttgaaatac  | 2670780 |
| atgattttcg  | gaaatgtatt  | gcgtaacggg  | acttatccta  | tttctgtaag  | ctcggaacgt  | 2670840 |
| atcttccagg  | cacttgccat  | cgcacgttac  | gccaatgaaa  | tcggagctca  | tgccatcgct  | 2670900 |
| catggttcaa  | caggtgcagg  | aaacgaccag  | gttcgcttcg  | atatgacttt  | cctgggttatg | 2670960 |
| gctccggggag | ttgaaatcat  | tacacttacc  | cgcgatatgg  | caactgagccg | tgactatgaa  | 2671020 |
| atcaattacc  | tgaaagagca  | tggttttgag  | gctgacttta  | ccaaactgaa  | atattcatat  | 2671080 |
| aatgtaggta  | tatggggaac  | atctatctgc  | ggaggtgaaa  | ttctggattc  | tacgcaggga  | 2671140 |
| ttgccggaaa  | gtgcttacct  | gaaacagggt  | accaagactg  | gcagcgaaca  | actcaagctt  | 2671200 |
| gaattcaaga  | agggagaact  | gtatgcggta  | aacggcgaag  | tgttcgacga  | caagattaag  | 2671260 |
| gccatccaga  | aagtgggaaga | aattgggtgca | gcatacggta  | tcggacgtga  | tatgcacgta  | 2671320 |
| ggtgatacca  | tcatcggtat  | caaggacgt   | gtaggcttcg  | aagctgcggc  | tcctatgctg  | 2671380 |
| attatcggtg  | cacacagatt  | cctcgaaaaa  | tatacggtta  | gcaaattggca | gcagtactgg  | 2671440 |
| aaggaccagg  | tagccaactg  | gtacggtatg  | ttccttcacg  | aaagccagta  | cctagaaccg  | 2671500 |
| gtaatgcgtg  | atatcgaagc  | catgcttcag  | gaatcacagc  | gtaacgtaaa  | cggtacggct  | 2671560 |
| atcctcgaac  | ttcgcccgtta | ttgcttctct  | accgtagggtg | tcgattccaa  | agacgacctg  | 2671620 |
| gtaaaagaaca | agttcggcga  | atacggagaa  | atgcagaaag  | gatggactgc  | agaagatgcc  | 2671680 |
| aaaggcttca  | tcaagggtact | ctctactccg  | ctgcgcgctt  | attatgcaaa  | ccataaagac  | 2671740 |
| gaggagaata  | tctgattatg  | tctagtaacc  | aaaagctcag  | acgtccacgc  | acgggaagaa  | 2671800 |
| tgataagcgg  | agtatgtgcc  | ggattggcaa  | acttcttcg   | tcttgatgta  | tctatcatcc  | 2671860 |
| gcacgtgta   | cgatgatactg | acttttttta  | ctgcatttgc  | aggtatacct  | atttatatat  | 2671920 |
| taatgtggat  | cattattcca  | caagaaaaca  | accattat    | tcatgattaa  | agtaggaatt  | 2671980 |
| ataggagggg  | ctggatatac  | ggcaggcgaa  | ctgattcgcc  | tgctcatcaa  | ccaccccgat  | 2672040 |
| gtagaaataa  | aattcataaa  | cagttccagc  | aacgccggca  | ataagattac  | cgacgtgcac  | 2672100 |
| gaaggattgt  | atggcgaaac  | agatctggta  | tttaccgacg  | aactgccact  | cgatacggta  | 2672160 |
| gacgtgatat  | tcttctgtac  | agcacacggg  | gacaccaaga  | aattcatgga  | aagccatacc  | 2672220 |
| atccctgaga  | atgtgaaaat  | catcgatctc  | tcgatggatt  | atcgatatcaa | ggatgaaagt  | 2672280 |
| catgatttcg  | tatacggact  | tcctgagctg  | aaccgccgga  | ctatctgcca  | gagcaagcat  | 2672340 |
| gttgccaatc  | cgggatgttt  | cgccacctgt  | atccaactgg  | gtctgctgcc  | gctggcaaaa  | 2672400 |
| catctgatgc  | tgaacgatga  | tgtcatggta  | aatgccatca  | ccggaagtac  | gggtgccgga  | 2672460 |
| gtcaaaccga  | gagctaccac  | acatttttagc | tggcgcaaca  | ataacatgag  | tgtctacaaa  | 2672520 |
| ccgtttgctg  | atcagcatgt  | tccggaaatc  | aagcaatccc  | tcaaacagct  | tcagaacagc  | 2672580 |
| ttcaactcgg  | agattgattt  | cattccgtac  | cgtggcgact  | tcgcacgagg  | catttttgc   | 2672640 |
| accattgtgg  | taaaaaacaaa | agtggaaactg | gaggaaatcg  | ttaaagatata | caaagagtat  | 2672700 |
| tatgcagaag  | attccttcac  | acacattgta  | gaaaaaaata  | tcgacctgaa  | gcaagtggtc  | 2672760 |
| aataccaaca  | agtgctctat  | ccacctggaa  | aagcacggcg  | acaaactgct  | catcatttcc  | 2672820 |
| tgtatcgaca  | acctgctgaa  | aggtgcaagc  | ggacaggcag  | tacataacat  | gaacctgatg  | 2672880 |
| tttaattttg  | aagaaaccac  | agggtgatg   | ttgaagccta  | gtgccttcta  | aatcatctaa  | 2672940 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| actcttttta  | caaaccatga  | aactattcga  | cgtatatccc  | ttgttcgacg  | taaacatcgt  | 2673000 |
| acaaggaaaa  | ggttgccacg  | tatgggacga  | taagggccag  | gaatacctcg  | acctttacgg  | 2673060 |
| aggacatgcc  | gtcatctcaa  | tcggacatgc  | tcacccgcac  | tacgtagatg  | caatcagcaa  | 2673120 |
| gcaagtagcc  | aaactgggat  | tctattcgaa  | ctcagttatc  | aataaattac  | agcaggaagt  | 2673180 |
| tgccgaccgt  | ctgggtgcaa  | tgtgcggata  | cgacgattac  | cagctcttcc  | tcatcaactc  | 2673240 |
| aggtgccgaa  | gccaatgaga  | atgctctgaa  | actggcttca  | ttttataatg  | gacgcacccg  | 2673300 |
| tgtcatttct  | tttgccaaag  | ctttccatgg  | acgtacatca  | ctggctgtag  | aggtaacaaa  | 2673360 |
| caacccgaaa  | attatcgctc  | ctatcaacga  | caacggacat  | gtaacttata  | ttccgctgaa  | 2673420 |
| cgacacggaa  | gccatgaaag  | ctgaacttgc  | caaaggcgat  | gtatgtgcgg  | tcatcattga  | 2673480 |
| aggatttcag  | ggagtaggag  | gcacccagtt  | gcctaccagt  | gagttcttgc  | aggcattacg  | 2673540 |
| tcaggcttgc  | gacgaaaaca  | ataccgtact  | ggtactcgac  | gaaatccagt  | cgggatacgg  | 2673600 |
| acgaagcgga  | aagtctctcg  | cacaccagta  | tgccggcata  | cgtcccgatc  | tcattactgt  | 2673660 |
| agccaaaggc  | atcggcaacg  | gtttcccgat  | ggcaggcggtg | ctgatcagcc  | ctaaattttac | 2673720 |
| tccggtatac  | gggcagctgg  | gcactacatt  | cggaggtaac  | catcttgcct  | gtgcagctgc  | 2673780 |
| aattgccgtc  | ctcgatgtaa  | tgaaagaaga  | gaacctggta  | gaaaacgctg  | cgcttgtagg  | 2673840 |
| tagtcacctg  | atagaagaac  | tgaaaaaatt  | cccgc aaatc | aaagaagtac  | gcggaactggg | 2673900 |
| actgatgata  | ggaatggaat  | ttgccgaacc  | aatcaaagaa  | ctgcgtaaac  | gtttgctggt  | 2673960 |
| cgaacaaaag  | gtattttacag | gcgtaagtgg  | taccaatgtc  | attcgccctgc | ttcctccgct  | 2674020 |
| ctgcctgagc  | atggctgaag  | ccgatgaatt  | cctgaatcgc  | ctgaacaatg  | ttctgagcaa  | 2674080 |
| ataaaaacgat | actctcgtcc  | acttcaaata  | gccatatcac  | gctcgttgca  | agcttgatat  | 2674140 |
| ggctattttt  | ttatccacta  | ctcacctcat  | aaaggtgtga  | acaacacata  | aaaaaacgctc | 2674200 |
| atattccact  | caccaacgga  | gttcaatatg  | acgctttatc  | cggaaagtcaa | taagattttat | 2674260 |
| ccaagcaaat  | attttttctat | attaagaaca  | tctcaatacc  | tgaccgatac  | gcagtgtagt  | 2674320 |
| agtacgcttg  | ataccgttta  | tctgacacaa  | gcggtcgata  | gaaacatgat  | acaaacgaga  | 2674380 |
| gatacgtccc  | aatgtatcac  | ccttgcgtat  | cttatggtaa  | cggatagcag  | atttctcagc  | 2674440 |
| ctcatcagca  | cccgatattgc | cactctttac  | agcagccaga  | gcacgtgtac  | gctgataaga  | 2674500 |
| ataacggtta  | gcaccacgaa  | caaacaagta  | actatccgaa  | acgatatctt  | gttttagggaa | 2674560 |
| atcgaacatg  | aattcagggg  | tgataacttc  | accagggaaa  | cgggtttcga  | agtgcagatg  | 2674620 |
| tgaaccagta  | gaacgtccgg  | tattacctcc  | cagtccaatc  | gggtcgccgg  | cctttacata  | 2674680 |
| ttcatttctc  | ttgacaatct  | gttttgagag  | gtgaccataa  | atgggtttcca | gtccgttatc  | 2674740 |
| gtgacgtatt  | acaacgtatt  | taccatagcc  | acggcgttca  | tactttacca  | tacgtacctt  | 2674800 |
| tccgtcgaaa  | gcggcacgaa  | tcgtatcgcc  | gatataatcc  | ttaatatcaa  | gtccgttgtg  | 2674860 |
| catacgacgc  | caacgcggac  | cgcaattaga  | agtaataata  | gtatgggttg  | tcggcatata  | 2674920 |
| gaagcccgtc  | aggtaatac   | ggaaactgtc  | aggaacctgt  | acggtattac  | cgtaagcgtg  | 2674980 |
| aacacgctcg  | ttattccagt  | tggggtaaaag | actataagca  | ggataaaactg | cttgttctgc  | 2675040 |
| tttaatctgg  | cgaatcaacg  | ccaaagaatc  | tactgctttc  | agttttctgt  | cgataggagc  | 2675100 |
| ctggcgagcc  | aacaaatctt  | gtcctgctac  | atttacactg  | actaaagcca  | aggctgctac  | 2675160 |
| tgcaactgtt  | ctaatacatt  | ttaaaatcat  | tatatattata | ctatttttca  | gcctgtacct  | 2675220 |
| gcaagtgtc   | tcctaactct  | ctatccgctt  | cttgcgctgg  | tacaactgcc  | ggttcaaaac  | 2675280 |
| aattctacat  | gaaatatgtc  | tttttcagac  | attaaggttt  | caaaaaatcg  | tttcaaatat  | 2675340 |
| agcattttct  | cagcaaaaaa  | cagagtacag  | ttactatttt  | tttatgtatt  | ttcataccag  | 2675400 |
| aagcatacgc  | tcttttcaaa  | tacatgttat  | taaacatata  | aagctcagaa  | acaatatata  | 2675460 |
| ataattttaca | actttatatt  | gctgctagta  | tgataaactt  | ttcagaaagc  | cgaacatgaa  | 2675520 |
| tcaaagacat  | acgaagcgcc  | cttcccgcga  | gatatacttc  | aagggctctg  | ctacaaggta  | 2675580 |
| tggtttttatt | tcttccgccc  | tttccttata  | cagataatcg  | ggagtagtat  | acgtaaatga  | 2675640 |
| tagagtggta  | tccgtttccg  | acaaattggc  | cttgagcaga  | aacatatcgg  | cccttacacg  | 2675700 |
| cagattctgc  | aaggaatcag  | cctgtgattc  | cgaagcagga  | gtctttataaa | aggcattctc  | 2675760 |
| tacgggcaaa  | gtcagaaatt  | tatcagcaga  | aagttgtttc  | cacgatgtgt  | cataaaaaaga | 2675820 |

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| atcattttaac | ggaagcaatt  | tcattttctac | cgtactgacc | tcacttagcc | tcaactccaa  | 2675940 |
| gtagtcatcc  | gtcagtttca  | gcattttccga | tgtatttcct | aaacggtttt | tcactttctgc | 2676000 |
| cttcatgtta  | cttgccagaa  | aatctccaaa  | atcgggtcta | ttcaccttcg | tcaacaaggg  | 2676060 |
| cgaaagagaa  | tcgggaagag  | cgacaaacag  | cgatttcata | tcttgccgct | tcatgcccgt  | 2676120 |
| acagcaaagc  | aatactccga  | tgacaaacaa  | tattttcttc | atgggatatt | ctatttttta  | 2676180 |
| tgcaaacctg  | aagctatcat  | aagaaagctc  | attgcctgca | aaagtagtac | attcacggca  | 2676240 |
| tatttgaaat  | aaatagcccg  | ctttttat    | ctaccgtaaa | gagcattacc | agaaagtgt   | 2676300 |
| gtaccaaatc  | cagaaaataa  | aaaaactgct  | cagattacac | tccaagcagt | ccttagtatg  | 2676360 |
| tcatcaatat  | acaatcttac  | gttctatctc  | ctcaaaacga | gggaacagca | gattgttctc  | 2676420 |
| caagtgaatg  | tgttcaaaca  | aagcatccac  | gaacgcttct | agctcctgca | tcatcagacg  | 2676480 |
| atagctggca  | caaccgtcct  | gtggaaccga  | gaaatgatct | gtcagctcaa | tgatatgtaa  | 2676540 |
| ataacggtta  | ccttctcctt  | catgttccat  | cttcatcacg | cgaatcggat | tggcaattgt  | 2676600 |
| accacaatgc  | ataggctcca  | tacgtgtgcc  | ttgttcgaat | gccgcataca | aatcgtacaa  | 2676660 |
| ataaggggaa  | aatacgtttt  | cctctttctg  | caagtgcatt | tccaaatctt | gaagcgattc  | 2676720 |
| actgaccaaa  | gctctcaatt  | catgcaactc  | gggatgtgct | tcaccatgta | cccgtcttac  | 2676780 |
| tttctccagc  | aactccatca  | gttccggtcc  | ccgtgaacga | attccacgat | gatgtatttt  | 2676840 |
| caatatataa  | tccatcagca  | ggtcgagagg  | ccacgaggca | aaaggaatac | gacctccgcc  | 2676900 |
| atcggtttcc  | tgacgtcca   | aagcctgcat  | cacttcttcc | agttccagtc | cctgagcagc  | 2676960 |
| acatgccgca  | tccagcgcca  | cttctccgtg  | acagcaaaaa | tcgataccat | atTTTTTgaa  | 2677020 |
| cacttttagcc | gcagcaaaat  | cttcagcaac  | aatatttctt | acacttgat  | gtttccagtc  | 2677080 |
| tgttgttttc  | atTTTccctg  | ttattttgat  | tacggatgca | aaggtatact | tccacctaca  | 2677140 |
| gaatctttgt  | cacctatgtg  | acaaagacct  | ataatgaaag | ttaaacagca | caggataatg  | 2677200 |
| attcaacagg  | ggaaagttcc  | gttccatcct  | cgcagagatt | acagcaaaaa | acgtcagcac  | 2677260 |
| atTTTTTcaa  | aatatgctga  | cgTTTTTctat | tattcatcgg | cggaattat  | ccTTTTTcgt  | 2677320 |
| tcagaaaatc  | ggtcggactt  | tcacaaaat   | aatccttgta | acatttggt  | aagtacgaag  | 2677380 |
| gagagctaaa  | accgacctca  | tacgttattt  | cggcaacggt | cttttctgta | gacgcaagca  | 2677440 |
| acgacgcagc  | cttcttttaa  | cgagctatac  | gaagcaactc | attaggagag | taaccctgca  | 2677500 |
| gcgccttggc  | tttccggtac  | aactgtacac  | gactcatacc | aatcttgctg | cccaaactct  | 2677560 |
| ccacgctcag  | ttctgaattg  | cccaactgtt  | cttctatcag | cgtacgaagt | ttctcgacaa  | 2677620 |
| agcctttatc  | caaatacagca | atcggctcct  | tgcgtaatga | agtcttgctg | gcaaagaaac  | 2677680 |
| tttgacagacg | gcgacggttg  | tctatcaa    | tacgtaa    | acgacagc   | aagcgcgcac  | 2677740 |
| tgaacggctt  | caaaatgtat  | gaatcggctc  | cacattcata | gcccatact  | ttctgctcat  | 2677800 |
| ccatggtata  | agcagtaagc  | atcatgaccg  | gaatgtgtga | agtctgcact | tccgacttca  | 2677860 |
| accgccgaca  | gcattccata  | ccatccatta  | ccggcatcat | tacatcaca  | ataaccacat  | 2677920 |
| cggttacata  | tttcatagcc  | tgctggatac  | cttctgccc  | gttagaggcc | tcaattaccg  | 2677980 |
| tatattttcc  | gtaaagaaga  | gctttcacgt  | aatcacgtac | atccacgtta | tcgtcgataa  | 2678040 |
| ccaataaccgt | ttccttatca  | tcacgttcca  | caagctcagg | cgctgtctgt | atggtttctt  | 2678100 |
| gatcggcaga  | caccagagct  | ccttctttca  | agttcttcaa | gattatattt | ttttcgacat  | 2678160 |
| gctcttcagg  | tactccctgc  | tggtgcatcg  | gcatttcaat | agtaaataca | gcacctttcc  | 2678220 |
| ccttatggct  | atccaccgaa  | attgtacctc  | catgcatttc | cacaaaagct | tttaccaatg  | 2678280 |
| ccagtccgat  | accggaacct  | gcagatgga   | catctatctg | ataaaagctc | tcaaaaatat  | 2678340 |
| gctgcacatg  | ttctgccgac  | atgccgattc  | ccgtatcgga | tacctgataa | cgtaaccagc  | 2678400 |
| aagcaccatc  | tttattgaat  | tgtgaaagct  | taactccaat | tgatccggtt | tctggagtaa  | 2678460 |
| atttaaagc   | attcgaaagc  | aggttgatg   | tgatacgttc | cattttctct | gcacggtcta  | 2678520 |
| tcattacata  | tccctcttct  | gaaggatcgg  | ccaaaaccgt | aaaatgaata | tgcttgcgat  | 2678580 |
| aagaaagcgt  | acggaacgct  | tcggtccagt  | ctttaatttg | ctcccaata  | tcgaaacgtg  | 2678640 |
| acagtgtcat  | atccaacttt  | ccgttctcga  | acttgcggaa | gtcaagaatc | tgattgataa  | 2678700 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| gacgtaacaa | gactgttaca | tttttctgta  | cgatattcag  | aaggaaacgc  | tcgtttctcac | 2678760 |
| cgagattatt | actttccact | aattgggttca | caggatcggc  | tatcaaggta  | agcggcgtag  | 2678820 |
| ggaaatcgtg | tgatacattc | gtaaaaaaag  | ccaatttggc  | atgtgtcgct  | tcttctagtt  | 2678880 |
| gctgcgaaag | gctgattaac | tggtcacggt  | gttcctcaag  | acgtttcttc  | tggtcggaca  | 2678940 |
| gttcttcatt | caaccgggtt | ttagtccaaa  | acgcccgcac  | cacaaagaaa  | agtaacatgg  | 2679000 |
| ctaccaatat | cagaatgacg | atacaagcat  | acaggagcat  | ccgttgtgaa  | gaataacgca  | 2679060 |
| tcagataagt | atccaactgt | ttatcaagta  | cctctatctt  | agtatccagt  | tgactgatat  | 2679120 |
| gggcagtctg | catctgcatg | atacgagcat  | ttgccttatt  | gaccagcgca  | gtcgacagac  | 2679180 |
| ttgtctcacg | agcataatcc | ttaccacgca  | atatattcat  | agcaacttcc  | atcaccttat  | 2679240 |
| caccaccggt | agggtaaatg | aacgtagcat  | ccaaatgtcc  | atcggccacc  | tgttctaccc  | 2679300 |
| catagccttc | acctgccagt | gcatcaatcc  | cgacaaataa  | catatcgtgt  | tgacgatgtc  | 2679360 |
| gtttgaccgc | agtattatat | gcaccaatag  | ccatgcggtc  | gttatgcgca  | aaaaccatat  | 2679420 |
| caatatgagg | ataacgggaa | agaatagaat  | cgaagcgac   | ttctgcagat  | tccttaagcc  | 2679480 |
| atgctgcatc | ggccgaagcg | ataatcttga  | taccggaggt  | tgcttccagc  | gcaccttca   | 2679540 |
| atcctctatg | acgttccaat | gccgacgtag  | agccacgcaa  | tccggtaact  | tcaaccagat  | 2679600 |
| tgcttccacc | ttgcagacgc | tcggcaacat  | aacgccctac  | atgacgacct  | atttcataat  | 2679660 |
| tgtctgcccc | tacataggca | gtatacttat  | ccgaatgaat  | tttacgatcg  | actagcacta  | 2679720 |
| ccggaatacc | tttatcgtat | gctttttcaa  | tgacaggagt  | aatagcatcg  | gcttcatttg  | 2679780 |
| gagaaacgat | aagcaaatcc | actccttcgc  | ggataaacga  | ttctatgtca  | gcaatctgac  | 2679840 |
| gagtattatt | gtcctttgct | gtaagaattt  | ccaccttcac  | tcccggatag  | aacaaagctt  | 2679900 |
| cacgacagat | ttccttattc | atttgttcgc  | gccattcatc  | gtcactacat  | tgtgatactc  | 2679960 |
| caatcacata | acgtacctcc | cgaggagcac  | atcccacaac  | caaccagcaa  | aataacgaaa  | 2680020 |
| taagggcaaa | caaagaatgt | ctcatagtat  | aaaatttgtgt | gttataataa  | atggataaac  | 2680080 |
| cttcacacgt | tttgccattg | cctcccggca  | acaaaacgtg  | tgaagggaata | aaaggagaaa  | 2680140 |
| aaggcttatt | ttacaacgcg | atctttcaaa  | gattgcggca  | aaacaggcat  | tgctccattt  | 2680200 |
| tgcgtaaaaa | cataagctga | ggtttcaaca  | gccagcttat  | gtgcctcgcc  | aatagacaga  | 2680260 |
| ccacttaaga | tagaagcgac | aaacgcagcc  | gtaaatgaat  | caccggctcc  | taccgtatcg  | 2680320 |
| gcaacttcca | ctttcgggtg | ttcaacaaaa  | gaaacttcac  | ctggtgtaaa  | gacatagctt  | 2680380 |
| ccgtttactc | cacaagttag | aatcaacatc  | ttcaagttat  | acttagccag  | cagaatccag  | 2680440 |
| catttatcct | gaagatcaat | tcccggatag  | ccaaacatac  | ggcttacagt  | aaccagttct  | 2680500 |
| tcatcattta | tcttcaacac | attacatttt  | ctaaaagaat  | tgagagaaat  | ttctttggta  | 2680560 |
| tagaatccct | gacgaagatt | aatatcgaaa  | atcttcaatg  | tattttcggc  | tggtatcgta  | 2680620 |
| tcgaggaaac | gattaattgt | ttcgcgagag  | acaacgcttc  | tctgcgccag  | tgagccaaaa  | 2680680 |
| catacggctg | tagtgtgttt | cgccaaatct  | tccaatgccg  | gagtataagg  | aatgttatcc  | 2680740 |
| catgctacac | cttcttttat | atcataacat  | ggcactccct  | cattatcaag  | ttctacctgt  | 2680800 |
| accgtaccag | taggataagg | tactatctct  | accattgtat  | ttaacttctt  | ctcacggaaa  | 2680860 |
| ttatccaaaa | tctccatacc | cagcttatcg  | tcaccacag   | cgctgacaac  | gcggctgttc  | 2680920 |
| aatccaaact | gtgatacatg | ataagcaaag  | tttgcaggag  | caccacctat  | tttctttcct  | 2680980 |
| tctggaagca | catcccataa | tgcttcaccc  | attcctacga  | caatcgtatt  | ttccatatct  | 2681040 |
| agtttctttt | attaaagtta | aacattactt  | tttaattttc  | aatgtataga  | acagcaaata  | 2681100 |
| tattactcca | accgtcataa | cggcaactgc  | tccattctgt  | ccgatagcat  | cacttgcaaa  | 2681160 |
| accataaac  | aaggggaata | ccgtaccacc  | gaacaatccc  | ataatcatta  | atcccgaat   | 2681220 |
| ctcgttcttc | ttttccggaa | cggcaagtaa  | tgcttgtgaa  | aaaatgatag  | agaaaatatt  | 2681280 |
| agagttaccg | aaaccaatca | atgctatggc  | aatataaatc  | actgcaccgg  | catcggaagc  | 2681340 |
| gaagagcccc | atcatagcca | gcaacataca  | aataacactg  | acgataaaga  | atgaacgtga  | 2681400 |
| agatactttc | tgcaagataa | tagctccgga  | gaagcatccc  | aaggtagcga  | atataaaaata | 2681460 |
| caagctgggt | gcaaagcctg | cctcatcgag  | tgctattccc  | agacgttcca  | tcaaaatttt  | 2681520 |
| aggagcagta | gtattcgtac | cgacatcaat  | acctacgtga  | cacataatac  | ccaagaaaca  | 2681580 |

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|             |            |             |             |            |            |         |
|-------------|------------|-------------|-------------|------------|------------|---------|
| gagcaagata  | aacggacgtc | ccagtaactt  | caaacaactt  | acgaaaccgg | aagccttatc | 2681640 |
| aggcttttct  | tcttctatag | gagtagctcc  | caaccacaga  | acagcaatca | cggctattac | 2681700 |
| catatatact  | gggaacaata | cacgccagcc  | cagtccaaat  | gtaggcattg | cctgagtggc | 2681760 |
| tccccacatg  | gctatatacg | gagccaggaa  | agaagctatc  | gccttgacaa | attgtccaaa | 2681820 |
| agtcaaagaa  | ctagcaagtt | tatcgcccga  | aataatatta  | ctcaacagcg | gattcagcga | 2681880 |
| agtctgcatc  | agtgcatttc | caattcccag  | caacgagaac  | gagcacagca | ttaccccgtg | 2681940 |
| gctatcactg  | aaaataggaa | taagaagtga  | cacaaatgtg  | acaatcaagc | tgagcatcac | 2682000 |
| agtctttttc  | cgtccgattc | tggtcatcag  | gatacctgtc  | ggtacagaga | aaatcaagaa | 2682060 |
| ccagaaaaag  | actaatgacg | gaaaaatatt  | agcttccgaa  | tcactcagat | tcaaatcggc | 2682120 |
| ttttacataa  | tttgatgcga | ttcctaccaa  | atcgacaaat  | cccattgcaa | aaaagcaaa  | 2682180 |
| catgatagga  | accaattttg | catatttcag  | tttatcggtt  | gttgtcattt | taagtaaagc | 2682240 |
| tttataagtaa | atgaatgttt | tttattacgg  | tccggataaa  | ataactccct | ttcctcaaaa | 2682300 |
| aggatttaag  | gtcaacaagt | ataaaaggcc  | gagccgttgg  | atcatagcag | gaactaaaag | 2682360 |
| caccgttgtg  | cttatagtcc | caattttatat | attttcatgt  | tgctgatctg | tgcttcacca | 2682420 |
| ttctcagcat  | agaagttcat | tgcattgtat  | ggttgagttg  | ggaataccaa | atttgtcata | 2682480 |
| gcaatgcgtc  | caccatcaac | aaagatttcg  | acagaaacatt | tatctacaaa | aatattcaga | 2682540 |
| tgataagtct  | ttccttcaca | cagtgcagaa  | ggagcccatg  | taccagtgct | aaaatcattc | 2682600 |
| ttgtagttga  | cagacattgt | cttgccgtga  | tcatctgttt  | ccttggcatt | tacatcaaat | 2682660 |
| ggaccaattt  | tctccagatc | aacaaatcca  | ctttccgtac  | ggtcggcaat | cagtttacct | 2682720 |
| gccttcatgt  | caagatagat | tttcattttt  | tcacctttcg  | cattcagcag | atcaaactct | 2682780 |
| accatctgtg  | ccttaccggt | agttacatcc  | atctccagtt  | cataagcacc | gtctgtattc | 2682840 |
| ggaacgattt  | cgtcaatctt | gtactctccc  | tttacagtaa  | aatcgtcgac | cttacgtgta | 2682900 |
| tccttacgca  | atgcttctgt | ttccttcaca  | gcattggcag  | ccatatagat | ttgtccgtct | 2682960 |
| tttgatataaa | gcgacaattc | acgaggcaat  | gcgttggcac  | cgcgatactg | cttaatagga | 2683020 |
| gtgatattag  | catactgcc  | gttactcatc  | caaggtacag  | caataatacg | gtcaccggtg | 2683080 |
| ttagagaaac  | atacagttgc | ataatggtct  | tttcataat   | ccagccattt | ggttacttcg | 2683140 |
| ggcttagtat  | cacatttaaa | ctctttacca  | tcgaaatcac  | caacgaaata | ttctgtagca | 2683200 |
| ctaccaccga  | acatacatcc | cgggttaata  | ttgacaatca  | tgaccatttt | catgttggtc | 2683260 |
| ttgtcgccat  | caaccggaag | ctggataaag  | tccggacatt  | cgaactgggt | aggctgtact | 2683320 |
| ccataacctt  | ttccgaagcc | acttaaatat  | tcccagtcct  | tcagattaga | agaagcatag | 2683380 |
| aagcgcattt  | ctttgtcagc | agaaacaatc  | atgtaccact  | tctgagccgg | ttcataccag | 2683440 |
| aataccttcg  | gatcacggaa | atccttcaag  | ccgtcgaatg  | gagtcagaac | cggatttttc | 2683500 |
| tcgtattttg  | tatatgtacg | tccgttgtcg  | ttactgtatg  | ccatgactg  | aatctgtccg | 2683560 |
| tgttcatcac  | tcgcagaagt | ataaaaagca  | atcatggcat  | ccttaccgta | gcctgcgctg | 2683620 |
| ttgttatggt  | ctacaataga | gctaccggaa  | aaaatatgtc  | ccagcgtatc | gcgagcaata | 2683680 |
| gccggcttca  | agtgtcctca | atgaatcagg  | tctttactta  | ctgaatgtcc | ccagtgcata | 2683740 |
| tttccccact  | tagaaccgta | agggttatac  | tggaaataca  | aatgatattc | gccatcctta | 2683800 |
| tataccagtc  | catttgcac  | attcatccat  | ccatacagag  | gagtatgatg | ataaatagga | 2683860 |
| cgatagtaat  | cggatttggc | agtattaaaa  | gtatccgata  | actggatatt | ttcccaacat | 2683920 |
| acagccttag  | ctggtacttt | gccgactgta  | accgttgctt  | cttctgttcc | ttgtggcaat | 2683980 |
| tcaaacggaa  | cataatattc | tacactatct  | acagccagac  | gaatgtccat | tgcgacatct | 2684040 |
| gccggacttc  | cagtgtcgag | tttcaccttt  | ccctcccctg  | ctgtttcctg | aacaggaagc | 2684100 |
| aacaaatact  | tcacgggatg | agcaatgtga  | atgacagtca  | aagaatcgcc | ctgattttcg | 2684160 |
| aatgtcaggc  | cattcttttg | cgactgacaa  | gctatcatgc  | tacacaaaaa | agcttgtccc | 2684220 |
| aaaatcagct  | gaaagatttt | acttttcatg  | gtatatattt  | taaaatgttt | taaagttaca | 2684280 |
| acttttttat  | tttctaataa | tgaagacctg  | atatttttat  | ataatcta   | acctattgaa | 2684340 |
| aactatataa  | agaacgtttt | tcattcttca  | tcttcatctc  | tttcgaaatg | aagatgaagt | 2684400 |
| tatatgaatc  | agaattttat | ctgagcagag  | aattctaccg  | tgaacggacg | gatataacta | 2684460 |



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|-------------|-------------|-------------|-------------|------------|-------------|---------|
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| gcaatactac  | ctttagcacc  | tgtttgattc  | aggaagttga  | caaccgaaca | tcccagtgac  | 2684580 |
| aactttttgt  | tcacctgcca  | atttaaaccct | ccgaaagttt  | cccagcgtcc | attaaagtaa  | 2684640 |
| tatgcatcat  | tgatgttcgc  | ataagtctta  | ctgaaataac  | ggaagctagt | ccatattttc  | 2684700 |
| aaatccttgg  | taatcatgta  | gctcggatca  | atttcacaa   | tcacctgcgg | aattttctgt  | 2684760 |
| acaatgtttc  | ccgtcgcatt  | gatctgacca  | acatatccgt  | ctgagaactt | aaccgaagtt  | 2684820 |
| tcgtattttc  | tataagtcgg  | cttctgataa  | gtgaacaaga  | aatgcaaata | aaatcccttg  | 2684880 |
| aacggagtgg  | ctactacgtc  | ggtagtccat  | cccaaagtct  | tgatatcata | attaagcgga  | 2684940 |
| gctgcaaaaa  | tctcattcac  | cccattttatc | gcatgctgaa  | gattcaacgt | cgagttattg  | 2685000 |
| ttagtcttcg  | agatatacga  | gaacaatgaa  | gtcaagctca  | accattcatt | attaaaatag  | 2685060 |
| atacctgcac  | gtcccaatgg  | tacagaaatc  | ttatcggat   | ttggcaaaac | agacggagca  | 2685120 |
| aagttctcta  | tcttaggatg  | ctgtgtaata  | tatgtaaaat  | cgccggtaaa | accaaactta  | 2685180 |
| tcagtcagct  | tataagtagc  | agcagcactt  | aatgcataat  | tgaaccagtc | gtaattaata  | 2685240 |
| ggagtaggac  | taatcgctac  | tgcaccagaa  | gtaccgcgtg  | tgccagcagc | atatcctgtc  | 2685300 |
| tgattaccat  | ctgcatcata  | taccggaaca  | gcagtcgctc  | caaggtaata | attagcaaaa  | 2685360 |
| cgtdccgacat | aatctccatt  | agcattttttt | acagctgcat  | tggtgccacg | aagtgcctga  | 2685420 |
| tattccaaaac | gagctccata  | atacaagttg  | aattttttcag | taatatccca | gtcgtgagta  | 2685480 |
| aaataaatag  | ctaattttatt | ttcatgaccg  | ttataatatt  | ctgaagcatt | cttggtgaaa  | 2685540 |
| tcataataat  | acccattttcc | tgcataagaa  | cggcttgtag  | cagtcgcaaa | agccggattc  | 2685600 |
| cacaaacgta  | ccggataact  | tccatcggca  | ggaacagact  | gatcgtacat | cgttgtattc  | 2685660 |
| gaagcatagt  | caatatcata  | ataccactca  | ttcagtccca  | aacgccatgt | tccgttcgac  | 2685720 |
| aacttacgtg  | acagctcggg  | agtaaacatc  | aactcatcaa  | taaagccacg | gttcaaacat  | 2685780 |
| gacatacgac  | tttgaacata  | ttctccatca  | tacggttgca  | tagagccatc | ggcagcttca  | 2685840 |
| tactgataac  | tgatagagct  | attggtgctg  | tgactcaact  | ccatcggagt | ctggtatata  | 2685900 |
| cacgatccca  | ttgcatgatc  | atatttcatg  | acaactttcc  | atgccaatcc | attatcccat  | 2685960 |
| ttatagtcat  | tcatcaaaac  | gaactcacta  | cctttattct  | gtgcagcatc | gtaaagattt  | 2686020 |
| gttttcttca  | attcacctgt  | acgcataatc  | cgatacacca  | tctcattgtc | tacaggcaaa  | 2686080 |
| taagatgtgg  | taccaagagc  | gaacttaccg  | aactctttca  | cactaccatc | gcctacataa  | 2686140 |
| ataaacggcg  | ccgactgagt  | tgcatagtta  | tatacaggat  | gactgttact | ataatgatac  | 2686200 |
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| tgagtctctg  | cttgaaacgg  | tgtagacttg  | attttaaatg  | ttcccggatc | aaagtcctga  | 2686320 |
| taaatacttc  | cactgtaaaa  | ccagtcatta  | gcaatctcac  | cattcaagtt | cagtgaact   | 2686380 |
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| agctgagtaa  | aagagtttac  | cgcataaccg  | atattacctg  | ttgtaatagc | agtttctgag  | 2686500 |
| attttcagaa  | gtcctacatg  | actcaaacta  | gcatacagc   | gccacaatga | atttacgggtg | 2686560 |
| tgaggatttg  | tcgcataagt  | aaccgggtata | ccattctcca  | gaacattcac | atcggccgat  | 2686620 |
| ggaagaccaa  | tctgaatttc  | acgaggaccg  | ttagcactag  | cagcattcag | catgacatta  | 2686680 |
| cgattccctt  | cttccttgga  | attaccgtca  | ttatttgatg  | atttattttc | ttcctgtgag  | 2686740 |
| tatccattaa  | cacaagccaa  | agcgagcagc  | attattgctg  | cattcatatc | attgcaaaac  | 2686800 |
| tgttttttct  | cagtcttcat  | agttattttt  | taaatatgaa  | agagtagatt | ctaattcggc  | 2686860 |
| gcaaaagtac  | acaagcattg  | actctacaga  | tataagaaat  | gttacatcat | atagcaaaat  | 2686920 |
| tgttacatga  | aacaatttta  | gcaaacagcg  | taacattttt  | atctatctgc | atataaatca  | 2686980 |
| tttataatgg  | cataatatac  | cgaaacttac  | tgcatagggc  | tcatatatcg | cgtgacttga  | 2687040 |
| atatattgac  | cgataccggt  | tttcggtaac  | ctcaggttta  | gaaaccgcca | actcggtatc  | 2687100 |
| ggtccagtag  | tcaataccta  | ttgcaactta  | tatacactta  | atgatttcac | agtataacca  | 2687160 |
| tctttgtccg  | attcaaggat  | taacttatta  | taagggactg  | ccggaaatac | aagattcgtc  | 2687220 |
| atcacaaact  | ttccttcttc  | gccgaatgct  | tcaatactag  | acgagtcgac | aaacaaacgc  | 2687280 |
| aggtgaatct  | tatttgcata  | ctcaacagga  | gctaccgtta  | cagcagggaa | atcacgacta  | 2687340 |

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|            |             |             |             |            |            |         |
|------------|-------------|-------------|-------------|------------|------------|---------|
| aaatcgacaa | taccacttgc  | actccgggtcc | ataacaaatt  | gcttacgcac | cgtatcgtaa | 2687400 |
| tacatggata | cccttttcgtt | ctgggtcattt | accaaagcaa  | gagcaatctt | cgatgcacca | 2687460 |
| gcattttcaa | ttgtcatttc  | caattcatag  | gcacccttat  | tatccttcag | cagactggca | 2687520 |
| acctcatact | tatcagttac  | cttaaaagag  | ggaatttcaa  | ctttttccga | acgtgccttc | 2687580 |
| tttatttcag | gtgaaggagt  | acttttcaaa  | taaagttcat  | tgtctacctt | ataaagagt  | 2687640 |
| agatcgcgag | ctattgtatt  | cgtactacga  | tactgagtag  | taggaacatt | atttgcatat | 2687700 |
| tgccagttac | tcatccagcc  | taatgctata  | caacgaccgg  | ctggagcatt | actccatgta | 2687760 |
| acagtagcat | agttgtcttt  | tccccagttc  | atccattttg  | tcaaagtagg | agaatcattg | 2687820 |
| acaaatgtct | taccgtcaaa  | gtgtccaaca  | aaatattgtg  | tggcactacc | tccgaacggt | 2687880 |
| ccgcccggat | tgatgttgca  | gatgagcacc  | cattttctttt | ctttcgtacc | ttcaaccgga | 2687940 |
| acctctacca | gatcagggca  | ttcccataca  | ccaccatgtg  | caccttgcat | agtgccgaaa | 2688000 |
| ctgctttctt | tcttccagtc  | ctttaaatta  | ggagaggaat  | aaatctgtat | ttcctttcct | 2688060 |
| acagccagca | tcatcaccca  | atgcttacct  | ggagcatacc  | agaatacttt | cggatcacgg | 2688120 |
| aaatcacgtt | caggagaagt  | cagaatcgga  | ttatgtctcat | atttggtaaa | agtcttacca | 2688180 |
| ttatccaaac | tgatgtccat  | actttgagat  | tgtacatctc  | cccacggact | tggtttagct | 2688240 |
| gacgtataga | atgcaatgac  | ggcaccttta  | ccgaaaccgg  | cagtattatc | tttatcaacc | 2688300 |
| acacaagatc | cactgaaaat  | agtaccccat  | gcatcagcta  | cgatcggagt | accttcatcc | 2688360 |
| gtccaatgta | ccaaatcagt  | acttgtagaa  | tgtcccatg   | tcatatttcc | ccacattgat | 2688420 |
| ccataaggat | tatattggaa  | atacaagtga  | tagactccat  | ccttgtagaa | cataccgttc | 2688480 |
| ggatcattca | tccagccata  | taccggagta  | tgatgataaa  | cgggacggaa | tttctcacga | 2688540 |
| ttggcagaat | cgaagatc    | agaaaccttt  | atttccttcc  | agcacaacga | agaagaaggc | 2688600 |
| atacccgtaa | tgtcgattga  | aatagtcttt  | cccgcatagg  | cagacaaatc | caatggtaca | 2688660 |
| taataatcaa | ctctttcacg  | agccaggcgg  | acattgatgc  | tctgatctaa | ctgaaactga | 2688720 |
| ttattaacaa | taatgttaac  | cttgcccttct | ggcgcattct  | cctgaacggg | aagaagtaaa | 2688780 |
| aacctcttca | ccgaatccag  | aacgataata  | ttttgctcgt  | tagccaaatg | cttaacattc | 2688840 |
| acattattct | ctacaccttg  | agccgtcagt  | gaaagcccta  | acataatggc | caacaaacct | 2688900 |
| ttctttgatg | agaataaatt  | caaatccata  | aaacaattaa  | tcagtatatt | aataataact | 2688960 |
| tacttcaaca | ttgcttacct  | caacggtacc  | ttcgtagcag  | ttaatagacc | agcagttctt | 2689020 |
| ctgtgtacca | taaatacgat  | ttgtataggc  | aacgttatca  | ttgatataaa | caacgcaaac | 2689080 |
| agaattgtca | gtataaacag  | ttacatgata  | ctcattatcg  | gaaggagtat | tgaacaggta | 2689140 |
| tccgtcaata | ccattgatga  | atcccatacc  | ttcttctccc  | tgctcttcaa | aattcaattt | 2689200 |
| tttcttattg | ccgttatctt  | ccggattaac  | aacaatcgaa  | taatatttct | tcgaatcggg | 2689260 |
| tccacgaacc | aatgagaatc  | caaacttgtc  | agtcttgtct  | gtagtcttta | cagtaaagga | 2689320 |
| aatcttatta | gccacattca  | agcggttgaa  | taatacgaaa  | gcatttcccg | tcaagacata | 2689380 |
| attaccaccg | ttttcactta  | ccccgttatt  | gctttttgcc  | ataaccttca | acgaagattt | 2689440 |
| tgaagtatat | ttcttgtcga  | tgccttctac  | actacceaat  | gacaaagtac | catcttcgtg | 2689500 |
| ctggataata | cgatgagcaa  | ccaggttacc  | tgcccattga  | ggttcattcg | gatcgggtcc | 2689560 |
| tacagctgta | ttgtcattac  | cttcacgtgt  | cggacaccat  | cccagatat  | aacggttagt | 2689620 |
| accatccgaa | gcggtctttc  | cggcatagaa  | agcacgagaa  | tccaaaagac | cttcatgata | 2689680 |
| atccggccat | atacctgcat  | cattagctgt  | acatgccttc  | agttcttcca | gcgtatgtcc | 2689740 |
| tttaaaatac | tgaactttac  | ggatagcaac  | atgtttttct  | gaatacacca | gataccacca | 2689800 |
| gtcacccatc | ttaaagacat  | ccggacattc  | gtagaaacga  | tcccacatca | tagacatgaa | 2689860 |
| cactcctttg | tgttcccagg  | acttcaagtc  | ggaagaaacg  | aattcggcca | gaacaccttt | 2689920 |
| ggttccctgc | tgagtagaaa  | cgatcatatg  | ataaacacca  | tcgtctcctt | taaagacaaa | 2689980 |
| cggatcacgg | aaatcttttg  | cactatatcc  | atagtcattg  | ccctgcaaat | agaaagtctt | 2690040 |
| gcttttggtc | caattcttaa  | agtcggacga  | agttgccatc  | attacgactt | ccagatttga | 2690100 |
| agtatgacc  | gtatagaatg  | tataatacaa  | tttttcagac  | tcattataaa | tcgtacttcc | 2690160 |
| tgtacctatt | gcagcatcag  | cttccgaagc  | acttccggta  | ggaatcacct | ctcccaaaga | 2690220 |

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|             |             |            |             |            |             |         |
|-------------|-------------|------------|-------------|------------|-------------|---------|
| ctggttaagaa | tctacattct  | tggtacttac | tccccagata  | ggatgatagg | ttgcttcctg  | 2690280 |
| gttggggacga | aattcctgca  | aatataaaat | cttaaaattc  | tgttctaccg | gatcataaaa  | 2690340 |
| cggcatcggga | tcgcctacat  | aaccacata  | cggtttataa  | taagtagaga | actgttcgtc  | 2690400 |
| tgtcgaagcg  | aaatacgtcg  | ctgtaccatc | ccaatccttt  | tgtgtcaata | taggatcatc  | 2690460 |
| gtcattgcaa  | cttcctaagt  | acataagggc | tgctaaagct  | aaagaatata | tcattgtttt  | 2690520 |
| cataaattac  | attgttaagt  | taacgttgtc | cgataaatgt  | cctttatcgg | acaactatta  | 2690580 |
| ttaaataattt | attttgactc  | gcttattaaa | taattaatag  | cattctgagt | aagtttctct  | 2690640 |
| acattttaa   | gatactggtc  | agccgaaaca | tctaccccag  | cagaatacca | gtcatagcat  | 2690700 |
| cctgaaccaa  | tacagagaac  | tctacctgac | gtctcacttg  | aaggatactc | ccatacaact  | 2690760 |
| acggcaccat  | cacctccata  | gcctaagcta | acagcaccat  | gatttggttc | ccatgtgggtc | 2690820 |
| aaatcggcat  | aatcttccca  | accaagatgc | cactgagccg  | tactgttagt | aatgtttatac | 2690880 |
| cctttgtcac  | aagtataaat  | agctgggttt | ccatcaattg  | ttgcagtaga | tatacctgca  | 2690940 |
| taaagcgc    | gttctgaatt  | gtttgtgata | aagaagctcc  | atggagcagt | agttgtttca  | 2691000 |
| ccagatgctt  | ctgtacctcc  | ccaactgtta | ttaggaacct  | ttccatcttt | ggttaccctt  | 2691060 |
| aatttagcag  | cgtagtatgt  | agcaaaacga | gtcaacaata  | aactacctcc | attttcatag  | 2691120 |
| aattctttta  | ccttcgaaac  | agcctgtacc | gcacttgcag  | catcagcatc | aaattttgcc  | 2691180 |
| tcgttattaa  | ttcctccatc  | cacatgcaga | tgccaccaca  | ttactttaca | atcactcaag  | 2691240 |
| ttaactcttc  | ctgtacgaac  | atcatcgaat | gacaaatatt  | gagcattcgg | aatattcttc  | 2691300 |
| aacatccagt  | ttgctgctgc  | ttttcttcc  | ggattaagct  | cgtcaattga | agaagctaaa  | 2691360 |
| cctacatata  | cggcacttgg  | agaatcagac | tgaacaacac  | ttacaacata | aacagtagtt  | 2691420 |
| gcactctgat  | aagtaacagt  | aaattcaacc | ggattagtaa  | agtcaacagc | ttgtcctgaa  | 2691480 |
| gccggagata  | cggttgcgcc  | ttcgatcggt | tcaatcgtag  | gtatcagact | cgttatatcc  | 2691540 |
| gcgcttgtcg  | gtattcgtac  | cacgatagag | tgattttctt  | catcgataat | acctgtatac  | 2691600 |
| tcattattca  | acttgaacga  | tgtaattcta | gcctcatcat  | gctttacagt | aacagtataa  | 2691660 |
| tccaaaaagg  | catcacctgt  | tgtaaccttt | atcgtttgag  | ggaaagaaaa | attgactaca  | 2691720 |
| tctcccactt  | tcattgaagc  | ttccgcacca | tcggaaactt  | caattgctgt | aactttcatc  | 2691780 |
| gcactctgat  | tataatcaac  | aggcactcct | actacaaccg  | ttttattcga | attatcaata  | 2691840 |
| ataccctgat  | attcgtccaa  | cttcaagggt | ttcaaccaag  | tatctccact | caattgaaga  | 2691900 |
| tctgaagcat  | tatcatcaca  | tcccacaata | aaaatcaatg  | agaggaggat | gaaaagaact  | 2691960 |
| ttattttatat | gttttattgc  | attcataata | ttcattttatt | aagattcaca | atttaattac  | 2692020 |
| caacctccac  | agttctgtgt  | ataatgtccg | ttactagcac  | ttatctgagc | gaacgggatg  | 2692080 |
| ggcaagtatt  | cattttttatt | tttagtaa   | gaagcacttg  | aatagacagc | acaattatca  | 2692140 |
| gcttcttctg  | catagaactt  | attcaaaacc | tgatcggctt  | cacccaacg  | taccagatcg  | 2692200 |
| aagaaacgat  | cacattccat  | tgccaattct | acacgacgtt  | caaacttcaa | catcttcaaa  | 2692260 |
| gcttcatcct  | ttgtgtaagt  | tctgtataa  | ggtttaacat  | agaatgtaac | tccataagta  | 2692320 |
| gaaggataat  | ttgcaatcat  | ggttgacttc | tgacttgcac  | gattacgcaa | ttcattaatc  | 2692380 |
| aagtcaatag  | cttcaccaat  | acgtccgtca | ttcaactgga  | tcaatgcctc | tgcacgcac   | 2692440 |
| aacaacacat  | cagcataacg  | aagaacgata | tggttcattg  | ggctaccca  | ccatccacct  | 2692500 |
| ttaatcagat  | atccgctatc  | tgatctaca  | ttctgcttca  | atgtgacata | ataaccataa  | 2692560 |
| agaccgttac  | tacgactcca  | agtagaagac | ttatccatca  | tgtatttctt | attgaactcg  | 2692620 |
| tacgggaacc  | ccggcatacc  | tacagtcagg | aacaaacgag  | gatctgcatt | atcagcagtt  | 2692680 |
| acatcgtagt  | cactattatt  | aaaggtatcg | aataacggat  | gtccgtcttt | atctgttcta  | 2692740 |
| aatgcattta  | ccagattctg  | gcttggttta | tagaaatcac  | aaccgccatc | tgttacaccc  | 2692800 |
| ggaatattcg  | gaacgatcaa  | accatatgac | cagttacagt  | taccattggt | tgtaccatca  | 2692860 |
| ttcatagaat  | actgcatagc  | ccacaatgat | tcgcaccctg  | tttcatactg | aggctctgga  | 2692920 |
| cggaggttat  | tatgaaaatc  | cggttccagg | ccgtaacctc  | cggccgacat | gattgatttt  | 2692980 |
| tctgtatact  | gaacgacctt  | tgccaaatct | tcagcattaa  | tgcttgtcac | ctcattgttc  | 2693040 |
| tcaggattgt  | cctgacgata  | ggccttgtac | aaataggtct  | tagccagata | agcagctgct  | 2693100 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gcagcttttg  | taggacgacc  | tttatcggct | tgtgtatccg | gcagataatc  | ataagcaaac  | 2693160 |
| tggaaatcat  | ttgctatctg  | ctgccaactt | tcatcatttg | tataagttgt  | attcgacaag  | 2693220 |
| ttattgtatt  | cctctggaga  | aagactttca | tcgtttgcca | aaacgatatg  | cttatataac  | 2693280 |
| tgcttcagca  | agaaatgtcc  | atgtccacgc | aagaatctca | tttcagcaat  | acgctggttt  | 2693340 |
| ttcaatggat  | aagtactttc  | atccatctga | tccaacaact | gcaaagcggg  | attggcacga  | 2693400 |
| gaaatacagt  | tatacaaacg  | ctgccacata | tcgctgatat | tccatgcagt  | agtcattgata | 2693460 |
| ccttgagaga  | tatccaacgt  | atgaaacaca | tcaccatcct | cagtaccatt  | tccaccttta  | 2693520 |
| taagcatcgt  | ctgaacgaac  | atcatagttc | cacatggaga | aagaagagtt  | gatattcttct | 2693580 |
| gcagatatcc  | atacagcata  | agcagaaacg | accagattgt | ctacatattc  | agaattctgc  | 2693640 |
| aattgttcat  | tatcaatggt  | tccctgtggg | acttgatcct | ccaaaaaatc  | agaacatcca  | 2693700 |
| gagcaagcca  | acgtagcacc  | taaaatagtt | gcatataata | aatttctcat  | aattttcatt  | 2693760 |
| ttaatagtta  | cttgttttta  | aaagctgaca | ttaacaccga | aagtcaagtt  | caaaggaatc  | 2693820 |
| gggtaaccaa  | aattcggggt  | ttccggatca | actcctgtga | aatctttact  | cttaatcgta  | 2693880 |
| agtaagttct  | gtgcacttaa  | ataaaagcgc | aaacgttcca | tttttatttt  | ctttaccacg  | 2693940 |
| ttctctggaa  | cattgtaacc  | aatctgaaga | ttacgcagtt | tcaaataatga | gccatttctct | 2694000 |
| acaaaataag  | tagatacacg  | tttttcatta | ttaatatcat | cacgcgacaa  | tgccggaata  | 2694060 |
| tttgaatcag  | gatttgttgg  | actccatgca | tcaagaaccc | gtttaccttt  | gttcaagaaa  | 2694120 |
| ccgatattca  | aaccactcca  | caagtcagtt | tcctttttca | agtcactaat  | aatatctact  | 2694180 |
| ccctgtacac  | cttgccagaa  | taaagttaaa | tcaaaatttt | tgtattccag  | atagatatctc | 2694240 |
| aatccatagc  | tgaatgcagg  | tgtcggatca | taaatccact | gctgggtcttt | ttcattgata  | 2694300 |
| acaccgttgc  | catcaatatc  | acgccaacgg | atacgaccca | atccagcgcc  | ttcctgagta  | 2694360 |
| gcatgattat  | caatttcagc  | ctgtgactta | aagataccat | cggctacata  | accaacttgt  | 2694420 |
| gtccatttcg  | gatgaccaac  | aacactttct | acaccgttac | caccaaagtgt | tccgttttgca | 2694480 |
| gcaactgttg  | caggaagagc  | agtaatctta | ttacgataag | cagaaatatt  | accactcaaa  | 2694540 |
| tcatacttta  | agccaaatgc  | cgtactatta | cgataaccta | cgttcaattc  | aaaaccttta  | 2694600 |
| ttatccattg  | ctccagcatt  | gatccattgt | gaactacctt | cacccatagc  | agcaatacca  | 2694660 |
| gccatctgaa  | caaggatatt  | ggttgtcttt | ttatagaacc | agtcgaatga  | tccgtacaaa  | 2694720 |
| gtctgactga  | acaaagagaa  | atcaaaacct | aagtttgtct | gagtagtagt  | ttcccacttg  | 2694780 |
| atatcatcgt  | ttccaatctg  | gttacgttta | aatccagatt | gcagaatgct  | tccgccattt  | 2694840 |
| gtaccagcga  | tatcataaga  | agtaccataa | ctctgtcctc | ctgattcgct  | tacaccataa  | 2694900 |
| ttcggaaacgt | aaatgggtga  | acgggcgata | tttgagattt | cctgggttacc | tgtctgaccc  | 2694960 |
| catgaagcac  | gaattttcaa  | atcattcagc | caagtgaagt | ctttcatgaa  | cttttcgttg  | 2695020 |
| ctgatacgcc  | atcccaaaga  | tacagacggg | aaagtagcat | aacggttggt  | tttaccaaaa  | 2695080 |
| cgagaagaac  | catcacgacg  | aacagttaaa | gagaacagat | atztatcatc  | gtaagtatag  | 2695140 |
| tttaattttc  | caaagaaaga  | aaccagagaa | tatccctctg | ctgtaccata  | agcctgggca  | 2695200 |
| gttccagttc  | cagcttcagg  | ccacatataa | tccggagtca | aaataactaaa | atcttcttta  | 2695260 |
| tatccagaga  | accagctatc  | atcttcacgg | ttcaactcca | taccaacat   | tacatcacca  | 2695320 |
| cgatgtttgc  | ctacttccaa  | attataagta | gccacagcat | tccacatcca  | ttttgtccag  | 2695380 |
| tgctcttgct  | ttgcttccac  | tgcattttta | tcatttgcaa | cattaccttc  | tgtaatagga  | 2695440 |
| tatgtgaaga  | tacgctgctg  | cttctgagca | tagtccaaac | caaaagtaga  | acgaatatta  | 2695500 |
| aaacctttga  | agggtattcaa | attaatatat | gcatcaccga | acaaacgcca  | ataagtataa  | 2695560 |
| cggttatccg  | aatttctgtc  | caaacgagct | accgggttct | cacgggtcagg | ataaccacct  | 2695620 |
| acagggccag  | catattctcc  | attgatgtcg | tatacaggca | aagacggatt  | aaactgcaac  | 2695680 |
| acattttcca  | agaaaccgcc  | tggggcttgt | acttcagaag | tacggttcaa  | cgtaaaatgt  | 2695740 |
| tctccaaccg  | tcaacacctt  | gccgatcaga | ttataatcag | agttcatacg  | agcgagagaaa | 2695800 |
| cgttcgaaat  | cggtatcttt  | aataatacc  | aaattcttgt | aatatcctaa  | agagaagaaa  | 2695860 |
| gaagaacctt  | tttcagaacc  | attacttact | gatacattgt | attgctgaat  | aacaccggta  | 2695920 |
| cggttgtgtt  | catcaaacca  | gtctgtatca | gcagatggta | cagtattatt  | agaatcaagg  | 2695980 |

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|             |             |            |             |             |            |         |
|-------------|-------------|------------|-------------|-------------|------------|---------|
| aaacgagaca  | tgctaattgcc | attcaattga | ggatagccgt  | tgctatcgta  | tccccagtca | 2696040 |
| tatttataac  | ccagcgggtt  | cgtattcggg | tcctgaccac  | catttacata  | ggcctgccac | 2696100 |
| atagcctgac  | catattcttt  | tgcattcaat | acttccattt  | tattattata  | catagaagca | 2696160 |
| gatatagatg  | catcaaagtc  | gatcttcagc | tgaccatctt  | ttcccttctt  | tgttgtaatg | 2696220 |
| ataataacac  | cattagcagc  | acgagaacca | taaatagaag  | cagaagcagc  | atccttcaag | 2696280 |
| acctgaatag  | attcgatatc  | attaccattc | aattcatgca  | taccagcttt  | tgtcggcaca | 2696340 |
| ccatcgataa  | tataaagagg  | gtcattgtta | ttcaaggtag  | cgacaccacg  | aatacggatc | 2696400 |
| gttgttgaac  | cactcggatt  | accatctgcc | gtaacattca  | taccgggcac  | acgaccttgc | 2696460 |
| aacgccttca  | tcggattatt  | ttcattctgc | ttagaaagct  | catccacact  | cactacggaa | 2696520 |
| acggctcctg  | tcaaactcggc | tttacgttgt | gtagtataac  | cagtaacaac  | aacttcatcc | 2696580 |
| aatacttcag  | tatcctcttc  | caatacaatg | tttaatacac  | tttgagcttt  | tacaacctga | 2696640 |
| gttttgaaac  | caatatagga  | aatagctatt | tccgcatttt  | gtttcactgt  | taaagaaaat | 2696700 |
| ttaccatcaa  | aattctgtaat | cgtaccatta | gttgtacctt  | gttcaagaat  | agttgccccg | 2696760 |
| attacaggct  | gcccacaga   | tttggaact  | atagttcccg  | acacttgcaa  | actttgtgct | 2696820 |
| tgaccaccg   | aacacaccaa  | aataaggagt | gttaaaaaga  | atgctctttt  | tatgctttcc | 2696880 |
| atttacacgt  | agattaagtt  | taacatataa | taataaatct  | cccaaaccgt  | tcaaaacggg | 2696940 |
| actgcaaaat  | tacctgacta  | tacataattc | atctataaca  | aatgtttcat  | tctcgattaa | 2697000 |
| aaatgttacc  | tgaacatttt  | atactcaaag | atgaaacatt  | tgtatcattt  | aaactacaca | 2697060 |
| ctgagaaaca  | atcagtttagc | gatatacagc | acatattacc  | ttttctcttc  | ctacgtaata | 2697120 |
| tacatgaatt  | gccattcgct  | actcaatttc | ataagacttt  | agcgctgcca  | tatcgacttc | 2697180 |
| aacctccatc  | ctttaaaga   | aacagtggtt | ccagccttca  | gtgcaaacag  | ttcgatgccc | 2697240 |
| gtttgtgaaa  | catccggata  | agtcaggaaa | gtaaagacat  | cccttccatc  | attggcaaat | 2697300 |
| aattcaacgc  | tcgaactatc  | tacataaaga | tgtattctta  | atttaccatc  | taccggaatg | 2697360 |
| acttttagcat | gttccatccg  | actgaatttc | ggatatactcg | catctgtgca  | attagtagca | 2697420 |
| tcaattacta  | aattatgaga  | atccgtatca | tagctgattg  | taactttccg  | accattccca | 2697480 |
| acacacaaat  | tcaatccgaa  | cacatttgat | ttttcaacat  | caaaattaag  | atccaattca | 2697540 |
| taagagttct  | cagaaggagt  | aaaaaagtca | accttatttt  | ttcccacctt  | caactcctgg | 2697600 |
| ctacaggtta  | ctccgtcata  | ccttaatgtc | tccaactgcg  | gaaccggtag  | ttgtatcaag | 2697660 |
| cgtaaaacttt | ctggatagct  | tttcaagccc | agattccgag  | gtatagacca  | gaatccctta | 2697720 |
| ccatacgtac  | taggcaccag  | ttgagcataa | tcccaggtag  | ccacccatcc  | catagaagtg | 2697780 |
| accgctgtca  | aagttgaatc  | ataatcacgg | aatgtacgtg  | aagcgtaata  | atccattcct | 2697840 |
| ttatctacat  | acagagggtc  | ctgaggatga | ttttctatca  | acttgaattc  | ttttccatca | 2697900 |
| aaatcaccta  | taaaatactg  | ttcctttgcc | caattgacag  | aaatgaccat  | caccattttt | 2697960 |
| ttgttattcc  | aatctccatc  | aacaggaagc | tgaacaaat   | cggacatttc  | ccacgacttt | 2698020 |
| tcctggtcac  | cacacggccc  | gaaatcgctc | tcccattttc  | aatgtttcaa  | gtcagccgaa | 2698080 |
| gaataaatct  | gtactttctt  | ctcgagtgtc | ttggccacaa  | ccatcaccca  | cctctgagta | 2698140 |
| ggttcataat  | aaaagacagt  | aggatcacga | aactccgtac  | taccaatatc  | cagcacagga | 2698200 |
| ttacccttat  | aatactgaaa  | agattttcca | tcgtggctga  | aagacaaacc  | ttgggactgc | 2698260 |
| tttttgaaa   | ctttttcagc  | aattgtataa | acagctacgc  | aagcattctt  | tccaaatccg | 2698320 |
| gcagtattct  | gcttgtctac  | gaccatagat | cccgtaaaat  | aattcattgc  | gatattttct | 2698380 |
| cccgtcatag  | caaaaggagt  | cacttcctca | taatgcacta  | aatcttttga  | ctctactttt | 2698440 |
| ccccaccaga  | acatatgata  | tttattctga | taatggataa  | accacaagg   | atctcctatc | 2698500 |
| catcctttct  | tgggactgaa  | atgatactga | ggacgatatt  | tttctttata  | aagcgaatcg | 2698560 |
| acagactgtg  | cacaaatctg  | caggcctatc | cccagcaaac  | atcctacgat  | atacaatggt | 2698620 |
| tttttcatca  | ctttttttat  | ttgtttttca | ttagtctgaa  | ttttccaaac  | aaagcgttat | 2698680 |
| caaaaacaca  | atctttctac  | cttaaaaaga | acggcaggct  | taacccgatc  | ctgccgttac | 2698740 |
| ttacaaaaaac | taacctttat  | taaaaatcaa | catatcctat  | atcttctacta | tagctagtag | 2698800 |
| tgattcttca  | aactaaaact  | ttagcattta | tttcattcga  | aataccgtca  | ggagaataac | 2698860 |

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| tcaaaaagaat | ttattttcat  | gttttccatt | tacattgtga  | ttcagattca  | acacacttaa | 2698980 |
| taaattttcc  | caaaccgctc  | ttaaaccgta | tcacaaaaat  | aattcttcat  | aaattttaat | 2699040 |
| acatacaaaa  | atgtttcatc  | ctcaattaaa | aatgttgcac  | gtaacatttt  | taattgagga | 2699100 |
| tgaaacattc  | ttctaatacag | ggaataaccg | ttccccgctt  | agctcatccg  | tatcaaaagg | 2699160 |
| cctctttccg  | cttcttactt  | gtcacatca  | aataagattcc | taataaaaata | agaggcagac | 2699220 |
| ttaacaattg  | tccaatattt  | aacgtcatat | tcacttcttc  | tgccacctgt  | ggattcttca | 2699280 |
| taaactccaa  | tccaaagcga  | gatccaaaaa | agataatcaa  | ggaaactcct  | gttatcagcc | 2699340 |
| caatctgctt  | ttgtaaatga  | aacttataat | acatcagcca  | cgaggtgatt  | aatgcgacaa | 2699400 |
| ggcagtagac  | catttcatat  | atctgtgtag | gatggcatgg  | ctgagctgct  | ccgttctgat | 2699460 |
| tataaagttc  | ctgccactca  | cgggaacgca | caaattcaaa  | tccccatgga  | agagaagtgg | 2699520 |
| ggtaacccaa  | aatttcggaa  | ttcatcagat | ttccaaagcg  | aatgcaaata  | caaactacgg | 2699580 |
| ctaccgccgg  | aatcatacgg  | tcgaacaacc | accatacgct  | cttctttgtc  | acctttttcg | 2699640 |
| aataccatat  | caaagccaga  | atcagggcaa | aaaccctcc   | gtggctggca  | agccctcctt | 2699700 |
| tccagatctt  | cagtatctca  | atcggatgtg | ctccataata  | atccatttca  | tagaacaggc | 2699760 |
| aatgtcccaa  | ccgggcacca  | atcacactac | tcacgatgca  | atatacaaac  | aacttgctcg | 2699820 |
| cccaatagtc  | gggataacct  | tccttcttga | acaaacgcga  | tactatttca  | taagcgagga | 2699880 |
| tgaacccgat  | tccccacatc  | agtccgtacc | agcggatttc  | gagggaccct  | aaatgtacta | 2699940 |
| acacaggatc  | tacatcccaa  | acaatacttg | ctaacgtcat  | aataagtctt  | tccattttta | 2700000 |
| attatgcaaa  | cgaaaagaaa  | ataaaaaaaa | cagtttttat  | ccattagcat  | ctgaatat   | 2700060 |
| tttatgtgaa  | ctagagaaat  | attcctacta | cttatataaa  | aatgcttccg  | catcagtga  | 2700120 |
| tatactttta  | actaacaata  | cccaataata | cggaaacatt  | cttttataat  | aaatatctat | 2700180 |
| ttgaaaactt  | catcaacttt  | ccaccgttca | ttccatggaa  | tagtttatatt | cccttcattt | 2700240 |
| gttatagaaa  | cagggagcca  | tacgtaacgt | gaatcctgaa  | gatttgtctt  | attccagcgg | 2700300 |
| tcgaacatag  | ctatataagc  | attattcatt | ccatgtacag  | gtaagacgaa  | agtgtctgt  | 2700360 |
| gcataaaatg  | ttttatcagc  | atcctttcct | acacatggat  | tacctatagt  | cgtccatgg  | 2700420 |
| cccattatag  | aatcggcaac  | tgccaattca | gcctgattag  | gatcccatcc  | tgtacaacca | 2700480 |
| gaagaaaagca | aataataact  | tccgttatat | ttaaatacag  | caggagcctc  | acgactcata | 2700540 |
| ccaataaaaat | tacgtgtaaa  | gtgtccgtta | ggtttcaagt  | aatcgctgg   | caattcactt | 2700600 |
| atatacattg  | tcttattatc  | ctctgatgag | taaaaatgat  | aggcttttcc  | atcatcatct | 2700660 |
| acaaagaccg  | tctggtcacg  | actcatcgca | ttattaggcc  | ggaaacttcc  | taaatatgta | 2700720 |
| aaaggtccta  | ctggagaatc  | acttactgca | actcccgtg   | cagccttcaa  | ataatcgga  | 2700780 |
| ctatcaatat  | gcatccacat  | aacaaacttt | tttgtggcct  | tattatagac  | gacttttaga | 2700840 |
| cgttctaata  | cttgagatgg  | atgtaagtca | tgtaatgtat  | cattctttac  | ggctgagagt | 2700900 |
| actaaacctt  | caaacttcca  | cgtagataaa | tctttcgaag  | aataacaact  | cactccagac | 2700960 |
| acatcggtag  | ggaaacactc  | ccatgtagcc | cattcaggca  | acacagtctt  | accaagctta | 2701020 |
| tattcaccat  | accaataata  | ggttccttca | tgataaagta  | ttcctcctcc  | atgggcattt | 2701080 |
| atcggatgac  | catcagcatc  | gttccaaact | tctccggaaa  | caatttcaga  | agaggtcata | 2701140 |
| ttcttctttt  | gtgatgtttg  | acatccaacc | ataagcagca  | aactcactgc  | ccagcaacaa | 2701200 |
| acttcttttt  | tattgataaa  | tctcatatat | tttcagatat  | tacatattag  | tcagccaaca | 2701260 |
| aagatgtaaa  | gaaccgttct  | attctttctt | tgtcaacaaa  | attacattta  | taattttgaa | 2701320 |
| tttctttttac | agtcaataaa  | tcacgcaacg | ccctatatcc  | tgaagaatct  | ctttctaata | 2701380 |
| ccattttctg  | ataaaaacaac | ttactattag | atgctataca  | tttctccggc  | tgattttcaa | 2701440 |
| acttcccagc  | aaaaatattt  | tcatcaataa | gattattagt  | ggaatgagtc  | aaatcaaaac | 2701500 |
| gactcacttc  | tgccgtataa  | aagacatttt | gtctaaaaca  | agtgtatca   | gcatatccat | 2701560 |
| cccaaaaatc  | agaagttacc  | attgtacgg  | cgatattctt  | agacattttc  | tgattaagat | 2701620 |
| gaataatatt  | acgttctcac  | tactgtccaa | taaaagttgg  | ttaatggg    | tttgaaattg | 2701680 |
| ttgaaataca  | gtcttttaag  | cagtatttta | gaatgaaacg  | gatttgaatt  | cgtagcttag | 2701740 |

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| cggtcaaatt  | gaatgccgct  | tatgaaccaa  | gataaatagc  | tattcgctca  | acttaccgct  | 2701800 |
| tttatgaaca  | gaacacaatt  | caataacttt  | gttcgcaagt  | ataatggtaa  | tcgctacgtg  | 2701860 |
| aaacaattca  | cctgctggaa  | tcagttactt  | gctatgatgt  | tcggacaact  | gagcaatcgt  | 2701920 |
| gagagtcttc  | gcgacttaat  | tgtagctttt  | gaagcgcata  | aagccaagca  | atatcatctt  | 2701980 |
| ggctctgggac | gcaatccaat  | agccaaagcc  | accctcgctt  | atgctaatac  | gaatcgtgac  | 2702040 |
| tacagaatct  | ttgaagactt  | cgcattctat  | ataatgaagg  | aagcttgtga  | aaagcgagcg  | 2702100 |
| accaacatct  | tggatattcc  | agggaataag  | tatgcttttg  | attcaacaac  | tattccgtta  | 2702160 |
| tgtctagcca  | catttccatg  | ggcgaagttc  | cgaagaaaga  | aaggaggtgt  | caaagctcat  | 2702220 |
| gtcttatatg  | acattgaagc  | acaagttcct  | gccttctata  | ctgtaaccac  | agcatcgaag  | 2702280 |
| cacgactcta  | cagcgatgtg  | ttcaatccat  | tatgaaccaa  | atgcttatta  | tatattcgac  | 2702340 |
| agggcttatg  | actcttttaa  | ggaactatat  | aggatacacc  | tgacagggtt  | ctttttcgtt  | 2702400 |
| gtcagagcta  | agacgaactt  | gaaatacaca  | atggttaaat  | ggaagcgtag  | gatgcctaag  | 2702460 |
| tatgtactta  | cagatgctga  | agtgaactg   | accggatacc  | tctcagagaa  | gaaatatccc  | 2702520 |
| gagtcattcc  | gactcattcg  | ttactatgat  | gaagaggggtg | accgtgagtt  | cactttcctg  | 2702580 |
| acaaacgcaa  | cacatatttc  | tgcattggac  | gttgctaata  | tctacaagaa  | aagatgggtg  | 2702640 |
| gtcagagctat | tcttcaaagt  | gctcaagcag  | caccttaaaa  | taaaaagatt  | ctggggcaca  | 2702700 |
| acggaaaaatg | ctgtccgcat  | tcaaatacgt  | gtagcaatca  | tcacttactg  | tctagtggct  | 2702760 |
| attgtccaac  | acgatatgca  | attgaagcgc  | tcaacttatg  | aagttttgca  | gattctaagc  | 2702820 |
| atctctctaa  | cggacaaaac  | taacttgctg  | gaactgttcg  | ataagactga  | tttcaacgat  | 2702880 |
| gtcaaagaac  | tcgattatcc  | cctttttgaa  | ggactatttg  | attaattttt  | taactagtcc  | 2702940 |
| atttttattg  | gacactaatg  | ttacgttcta  | tcaacgtatt  | tcttacaggt  | ccggctatat  | 2703000 |
| gtattcctgg  | agagaacatt  | ccttgacgag  | ttcgcttagg  | acgtatacca  | tctccaatac  | 2703060 |
| tgatattata  | gcgtataata  | cttcccgtat  | ttccacagct  | ataacttccg  | gcaccaccgt  | 2703120 |
| tatcgcatat  | taataccata  | cctccgtaat  | tatcgtgact  | ataattatat  | tgtatcaacg  | 2703180 |
| tattgcgaca  | attataatcc  | gaatcaaaaac | cttgccgcat  | ccatggagcc  | ttatgaccac  | 2703240 |
| tgacttcatt  | aaactgtatg  | atagtattat  | cgcaactcca  | tggccatatt  | ccagcagctg  | 2703300 |
| cctccgcat   | aggttaagata | tcaggagaat  | caaacatcac  | attatattct  | atcaacgtac  | 2703360 |
| tatcacaccc  | tatgggaacg  | atgccatctc  | caggtacctg  | ctctatcaga  | ttattttctga | 2703420 |
| taattgtatg  | cttattgggg  | aaccagttcc  | gacgatcata  | atatccagac  | catattatag  | 2703480 |
| cattgcgaga  | gcaacgcaag  | atatggcaat  | tttcaattat  | taaatttctca | taacgtgata  | 2703540 |
| agatactgtc  | acctccattt  | acaattaaga  | taccactacc  | accaccttct  | tctttaacta  | 2703600 |
| aagagccatt  | cacgtcacgt  | actgtcacat  | tatttatcct  | gatattatga  | gatactccgt  | 2703660 |
| aatcataaca  | ctctaccttc  | agaccagaac  | gtccaggtaa  | aggggtattg  | ccatgattaa  | 2703720 |
| ctattttcaag | gttctgcaga  | gtaaggtaat  | ttgaattaaa  | tatatgtaca  | gcatgagccg  | 2703780 |
| acgaatcatt  | ccctataata  | attggattca  | ctttcaattc  | gccataagta  | tctattataa  | 2703840 |
| caggattttc  | caaacttccc  | tcagcagaaa  | ttgacaactc  | tccacgaaat  | acctctccac  | 2703900 |
| gtttaaacaa  | caatctttct  | cccgaactta  | aattcagttc  | ttttactcgt  | tcaagagttt  | 2703960 |
| tccatgcact  | ttcggcgagat | aatcctgaat  | ttccatcatc  | tccattttgta | gcatctaaat  | 2704020 |
| aataagtaac  | aggagaggat  | atgcatccgg  | taaacaataa  | aatcacaaat  | aagattccat  | 2704080 |
| aataacgcat  | agatactttc  | tggattataa  | ataagctgca  | gattagacaa  | tataacctgc  | 2704140 |
| agcttatatt  | ttcattttat  | ttcaagttgt  | cattttaaat  | agaatcgaat  | gatggtactg  | 2704200 |
| tagagtaatt  | gcgggattca  | ctccacgttc  | caagcatttt  | cactccttcg  | gtaattttcta | 2704260 |
| caccttctgt  | aaccttcacc  | ggagtatctg  | ccaagcgatt  | tgcaaaaagta | tttttcaaat  | 2704320 |
| cgttcatacg  | caactgatca  | tttccgcgta  | ctacaagtgc  | cggataataa  | cctgctacct  | 2704380 |
| cataccatgc  | tccatccaac  | atttatttgc  | aaaatcatca  | gcattctttg  | caaaatcctc  | 2704440 |
| agcagagtat  | gtaccacctc  | catacgaacg  | atctaacact  | ttttgtaaac  | aatctttaga  | 2704500 |
| aaatgcatct  | acagaattgg  | tactacgagt  | ttgagcttca  | gcataaccaca | gaagcacttc  | 2704560 |
| gctatatgag  | accaaataata | aagtctgact  | gcaaatacca  | ctattccaag  | tacattgttg  | 2704620 |

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| cataggatga  | cactcgctca  | taatataatt | accatccgca  | tccttctgat  | accaatctat  | 2704740 |
| aaattgtccg  | gcatacgtat  | atTTTTcgac | ataaacttta  | ccgttattgc  | taccataaat  | 2704800 |
| agcatcttta  | cgaggacctt  | ccggcatttc | tttccaaaac  | ttgatttcag  | cgacagcatc  | 2704860 |
| tcccatccg   | ccattagtta  | cagattcata | agcctgacat  | acggaatggt  | gtgaatccaa  | 2704920 |
| tccagaccat  | ccccacggat  | tatctttatt | gaatttaaca  | gctaccacac  | cttcctgaga  | 2704980 |
| ataaggattt  | gaaacataca  | tgaaacggtc | cttataattc  | tgctctaatt  | tataataata  | 2705040 |
| atctcccttt  | tcaactccac  | tgataacagc | cttagccata  | gtagctgctt  | gagaataata  | 2705100 |
| ttgctgtga   | ttaagtggat  | atcctgcacg | agccatgtaa  | acagcagcta  | aaacagcttg  | 2705160 |
| agcagcacct  | ttattaatat  | agttattcaa | attgtcgcta  | attcttggag  | catctgtata  | 2705220 |
| tttactggc   | aatattctta  | ccgcttcttc | caaactcagca | caaactctgat | tgtaaatagc  | 2705280 |
| ttcaaccgta  | gaacgaccaa  | tcccgaatc  | aatatcagta  | gtcaagatca  | aaggtacctc  | 2705340 |
| accataccaa  | cgtactaatt  | tgaaataagc | aacagctcgc  | caaaacaacc  | cctgaccttt  | 2705400 |
| tcctatTTTA  | atttctcat   | cagtggttgg | aaccttttcc  | acattattga  | taataaagtt  | 2705460 |
| agcagcctta  | atcacagaat  | agttcttatt | ccatgtcggt  | ttagaatctg  | cattattgtc  | 2705520 |
| acctacatta  | aaactgtcaa  | attcgcgata | tacatccttg  | ttaccacttg  | tcaatgctgt  | 2705580 |
| tatatcatct  | cccatccagt  | taggagacaa | agcatgtgct  | cctcccactg  | aatattgtac  | 2705640 |
| ctgtgcata   | aatacactga  | cagctccatc | caagtcattt  | tgagaagaga  | aataattatt  | 2705700 |
| ttgcaccatt  | tgtcccttag  | gatcttctgt | caggaaatca  | ctgcaagaac  | ttgatatgac  | 2705760 |
| agaaaaagcc  | aaacatgtag  | ctacaaatat | ttttgttttc  | ataatatatc  | tatattcaat  | 2705820 |
| acttcggtaa  | atTTTTaccg  | ataaattaaa | attaaacata  | gaatcggcat  | aatccggttc  | 2705880 |
| aaaattatat  | tcaagagatc  | attgaaatac | tgtcaagaat  | aaatcgtcaa  | ggagtaagaa  | 2705940 |
| aagggatgaa  | aaagatatgc  | taaacagctg | aaaatcaaca  | gaaaaagtat  | ttcataattc  | 2706000 |
| actgattttt  | agtaaattag  | aagtacttca | ccacttttaa  | ttatgactaa  | agaatcactc  | 2706060 |
| cttatgcaat  | accaatccga  | gtgcagaaac | gctctcgaat  | cagctgtaaa  | tataagcaaa  | 2706120 |
| tcttttcaga  | aagtattcat  | ggatgcaatg | aaattattca  | tggctatacc  | tgaccgcatc  | 2706180 |
| aatTTcctac  | aaatgggacg  | gtatggatgt | ttctcggaac  | agacataccg  | caacaatttt  | 2706240 |
| gagaacgacg  | gctttgactg  | gttttccttc | aatgaagcca  | tcatacaggga | acaccttaaa  | 2706300 |
| ggTggTcgca  | aggcgatagc  | cgttgatccg | tctttcattc  | caaaatcagg  | cagcaaaacg  | 2706360 |
| ccgtggattg  | gctatttctg  | gtccggttgt | gccggtgaat  | acaaacgtgg  | actggaaata  | 2706420 |
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| acacctgaca  | acgcaacgct  | ggaaagctgt | gagaagaatc  | ttgttgactg  | gtacagctct  | 2706540 |
| taccttatca  | gcatacagga  | acagctgaaa | cgtatttctg  | gcacagtcgt  | gtgtgatgcg  | 2706600 |
| ttcttttcaa  | aggcaacttt  | catcaaacca | ttgtacgata  | acggtttcca  | cgtaataagc  | 2706660 |
| cgtttcagga  | atgatgccgt  | attgttttat | cccaccttag  | aaaataggac  | aggaaaacgc  | 2706720 |
| ggacgtccaa  | aattacatga  | cgagaaaatt | gactttgaaa  | atctggacat  | cacaagatgt  | 2706780 |
| accgagtaca  | aagtgaacaa  | gggtaaactt | tacggactga  | aagcatactc  | caaagcactc  | 2706840 |
| aaacgctttg  | tgagcctggc  | tgtatggtac | cccatggatg  | gaagaacgga  | caaattggcag | 2706900 |
| ctgtattttct | ctacaaacga  | aatacagaac | gcacaggatg  | tcctggactt  | ttacagaaca  | 2706960 |
| cgtttccaac  | tcgaattctg  | ctttcgggat | gccaaagcaac | atgccggaat  | agcaaactgt  | 2707020 |
| cagtctacag  | acttcaggaa  | actggcattc | cactttaatg  | catcacttgc  | agcgataaac  | 2707080 |
| ctcgccaagg  | ctgcctgtaa  | gaagatggga | ataaaaatatt | ccatatcatc  | atgcaagtca  | 2707140 |
| gtcatacaca  | atgcttacat  | gcttgaacga | tttattttgcg | tgtctgggat  | tgaaccaaac  | 2707200 |
| acgcaattaa  | ttgacaaact  | tttcaaagaa | ctcattttat  | ttactgccag  | agccgcttag  | 2707260 |
| gctgggctaa  | tttttaacga  | actattgtat | atttaaaatt  | ctgtattaat  | gttagaagtt  | 2707320 |
| catttttact  | ccaaaagtaa  | atgttcttgg | tgtaggataa  | ccacctatat  | cgactccact  | 2707380 |
| acttacatcc  | acactctttg  | acgaatcatc | agtaaatgcc  | gatgctgtag  | gatccatacc  | 2707440 |
| tttatatttg  | gtaaatagtaa | ataagttctg | acaacttaca  | gacaaacgta  | tgtcagcaaa  | 2707500 |



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|             |             |            |             |             |            |         |
|-------------|-------------|------------|-------------|-------------|------------|---------|
| tttagtcaat  | gacttaggca  | aagtatatcc | cagacttagg  | ttagccaaac  | gaacatagct | 2707560 |
| ggcattttca  | acccattgag  | tagaattagc | ataattcgta  | cctccattca  | gcaaagatgc | 2707620 |
| aaatcgtgca  | ttttgaggat  | taacatccca | gttatattca  | taggcctctt  | tactattgat | 2707680 |
| aaaagaagca  | tccgaaatag  | atgtagacat | cgcataatcg  | accagattca  | gacggtccat | 2707740 |
| accaaaggct  | ccagttaaga  | acatacttaa | atcccagttc  | ttataattca  | cgctattggt | 2707800 |
| ccatccaaaa  | gtaaagtcag  | ggttcgcgtt | accaattacc  | gtacggtcac  | ctgcatcaat | 2707860 |
| tgcaccatta  | ttgtttaaat  | cagcataaac | attctttacca | tccgcactga  | taccttccca | 2707920 |
| tacatatccg  | tagaatgaac  | caatagcata | tcctggtttc  | acgatagtag  | cctcatctgc | 2707980 |
| catcttatca  | gccggagtct  | taccataaat | atattcattc  | gagcctaaac  | tctttacttt | 2708040 |
| atttttcaaa  | taagtacctg  | taaatgttga | tgtccattgc  | cagtcttttg  | tctgaataag | 2708100 |
| gcgagcattg  | attgaaaaat  | caattccctt | gttatcgata  | cgtcctacat  | tggccagata | 2708160 |
| atttccacct  | ccgttatagc  | ccggaatagg | ttcctgcatc  | aaacaatcaa  | cagtttggtt | 2708220 |
| gtagaaatag  | tcaaaagaga  | atgacaaacg | tctgttccaa  | agagcaaatt  | ccaaacctaa | 2708280 |
| gtcaaactgt  | ttagtctttt  | cccatgtaac | atccggagta  | ggcaatgatg  | taggccagta | 2708340 |
| accataatac  | aaatttgact  | gactaccgta | attggaataa  | acttgtccca  | acaatcctaa | 2708400 |
| tgtcgaataa  | gaagcaattc  | cctggttacc | aataatacca  | tagctggcac  | gaagcttaat | 2708460 |
| atcttgcata  | gccttaaaat  | ctttcataaa | agattcattg  | cttatatccc  | aagcagctgc | 2708520 |
| aatagaaggg  | aaatatcccc  | atttattctt | actgaactta  | gaggaaccat  | ccgcacggat | 2708580 |
| agttgctgta  | acagtataac  | ggtcattata | attataaata  | acacgacct   | cacccgacaa | 2708640 |
| tagcgtttcc  | ttagaatagc  | tgttacctaa | attctttgta  | gcagccatat  | tgacattcca | 2708700 |
| ccatcccaca  | gtttccgctg  | acaaattatt | tccgccataa  | ttcatatttc  | gatattcggg | 2708760 |
| agaagtagct  | tcccacacag  | cagtagcagt | caaattgtgc  | ttgccgaatt  | tattcatgta | 2708820 |
| tgtcaaatta  | ttcgtcgcact | gcaacatcat | acgaaaagca  | tcactattac  | tcatactgct | 2708880 |
| gtttgaatta  | gggccggatt  | ttgcagaaga | gaacgaataa  | gattttattat | cctgaaaatc | 2708940 |
| aaaagcattt  | gttggtgtaa  | aagtcagtc  | ttttacaata  | ttaaactgta  | atgacagatt | 2709000 |
| tccggtagca  | gcataagtac  | gaagttcact | ttgtgaagca  | gcaatagcac  | cgagcggatt | 2709060 |
| tcctccagtt  | gtattctttc  | ctatgttata | tttaccatcc  | tctgtaaaca  | tatccatcgt | 2709120 |
| aggatcgtag  | ttcaaagaat  | tatagatagg | attcgcttta  | ttggcaatat  | aatcattacc | 2709180 |
| attccggata  | ccatgattaa  | actgtatatc | agcagtcaca  | ttcaaccatt  | tagcgacttg | 2709240 |
| agaggtcaga  | ttggctcaag  | cagaatagcg | ttcattatca  | gaatatattt  | agacaccttc | 2709300 |
| ttcattttaca | tagttagcag  | aaagataata | ttgagtattc  | tcactaccac  | tagaaacagc | 2709360 |
| caacttataa  | ttttgaacca  | gtccactacg | gaacatttca  | tcttgccagt  | taataacctt | 2709420 |
| ctgtccggta  | cgcaatgcat  | tcaagtcatc | ctcactataa  | ccgtttcccg  | gataccagaa | 2709480 |
| attataagcc  | tctgcatatt  | catagggaga | aagcatgtca  | taatgtttat  | atacatccga | 2709540 |
| tataccaaca  | gaagcatcaa  | aagtaatgac | tctctgacca  | gcaactccag  | tcttagtagt | 2709600 |
| aaccaataca  | acaccatttg  | caccgcgaga | accataaata  | gcagtagaag  | aagcatcttt | 2709660 |
| caataacctga | atagacttga  | tatcatccgt | attgatacca  | ctcaatccac  | cttcacgaac | 2709720 |
| gattccatct  | acaacataca  | aaggttcatt | actcaaattt  | acagaattgg  | ctccacgcac | 2709780 |
| acgtattcta  | atatcccctc  | caggcacacc | actattttca  | acctgtacac  | cagatacacg | 2709840 |
| accttgtaaa  | gcctccgaga  | tacgagttac | cggctgatcc  | ttatatgact  | tattatccat | 2709900 |
| tacagccaca  | gaacctgcc   | aatccgcctt | acggacagta  | ccatatccca  | ccacaacaac | 2709960 |
| ttcatccagt  | ttttcgggat  | cttcttccag | tttaattgtc  | agattcattc  | catcacttgt | 2710020 |
| gatctgaaac  | tctctggtac  | catatccgat | aaatgaaaca  | ctgatagtgt  | atccagctct | 2710080 |
| tacatccaat  | gtaaaccgtc  | catcaaaatc | tgttatagta  | ccattagaag  | tacctttctc | 2710140 |
| tacaatactg  | gtccaatga   | cggggtctcc | atttgcattc  | tttactacac  | ctgttacttt | 2710200 |
| gtatgagttt  | gtctgttgtg  | cttgtatccc | tacagacacg  | ttctcgaaat  | tagccgatac | 2710260 |
| agctaaagaa  | caaggaagta  | ataatcctaa | agcaataatt  | ctgcttacat  | tcattttctt | 2710320 |
| attgttcata  | atatatagat  | ttaagaattc | gcaattcagt  | aagcacaaaa  | ttaaaatatt | 2710380 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| gccctatttg  | aaaagtcgaa  | aaaataacaa  | aaaaggaaga | attatTTTTcc | tcattTTTTt  | 2710440 |
| tcctacattt  | ttcatccttt  | tatctatatc  | acaaaaaatc | aagcagatac  | atTTTTtgcta | 2710500 |
| taaaaattat  | gatttccttt  | cgtcattcat  | tctttaacat | atattcttta  | ggtaaaaaaac | 2710560 |
| cgaacttttt  | acggaaacac  | tgactgaaat  | atntagggtc | attaaatcca  | actgcatagg  | 2710620 |
| ccagatccga  | tattcgaatt  | ttctTTTTtct | cctgtatcat | acgaaaagca  | gcctgtaggc  | 2710680 |
| gaatactaga  | gataaaagca  | agaggagtca  | taccagtcaa | ctctttcagt  | ttatcattac  | 2710740 |
| aagtactacg  | tgacataccc  | atttcgccag  | caaattgtgc | agcatcaaaa  | tccaaatcac  | 2710800 |
| tcaaatgaga  | attgacacac  | tctacagctt  | tacgtaaaaa | gatttcattcc | tgtgaagtat  | 2710860 |
| aatccacttc  | cttcgcctca  | aaaatcagtt  | tctttctagc | atccccaacc  | gtagtatcac  | 2710920 |
| ttttcttgag  | caagttttct  | atctttgccca | gcagcacatt | catattaaat  | agttttataca | 2710980 |
| aatatccgtc  | agcaccaact  | tcatatccct  | tgactcgatc | aatatctgca  | gtacatgctg  | 2711040 |
| tcagtataat  | aacgggtata  | tgacttggtt  | cgaatgtatt | ttttatTTTc  | cgacacaatt  | 2711100 |
| caaaccctac  | cattcccttc  | atcattacat  | ccgtcactac | aatatctacc  | ttatgctgat  | 2711160 |
| tcaactcatc  | caatgcaagt  | tccgcacaaa  | cagactttat | gacagaaaaa  | taatcagata  | 2711220 |
| atcttctcgc  | catgatatta  | catagttcat  | cattatcttc | caccaatagt  | aaaactggct  | 2711280 |
| ttttcttacc  | ctccgttcca  | tcattctccg  | ccgaaaagc  | actgatttcc  | ggtttaccag  | 2711340 |
| tttcttccgc  | ctgaagttcc  | aaaatgtctt  | tagatgaaat | agcctcatct  | atttcattctt | 2711400 |
| cggcaaaggc  | ctccctgtct  | accggaacgg  | taatactaaa | cgtatttccc  | tgctccgctg  | 2711460 |
| tactgctaac  | ttctatcttt  | ccatgatgca  | gcattaccaa | atcttttagta | agagaaagtc  | 2711520 |
| ctatacccg   | tccattcgta  | tgaaaacggc  | ggtattctcc | ctcataaaaa  | cgttcaaaca  | 2711580 |
| aatgagagag  | ttttcttcca  | ggaataacat  | ccccaggatt | atttactgaa  | aatccccata  | 2711640 |
| atTTatTTTc  | ggcatcataa  | aactgctcaa  | ccgttatgac | tccactttct  | ggagtatat   | 2711700 |
| tggcagcatt  | cgacaataag  | ttatatgcaa  | tcttatccaa | tttgtcgata  | tcgaaataac  | 2711760 |
| cttcaatttc  | aagatcctta  | tccttaaaga  | taatatgcaa | gtgctTTTTa  | cgtaccaaag  | 2711820 |
| gagagaaagc  | agcaaccgac  | tgacgaagaa  | actttgtaag | atttccttct  | gaaactctta  | 2711880 |
| atttctgacg  | attattctct  | attttcctga  | actccagtat | ttgttgaatc  | aaacgagtta  | 2711940 |
| accgagtcac  | actcacagaa  | aaatcctcca  | atacgTTTT  | tagctccgga  | tgctgtgatc  | 2712000 |
| tcaattcatc  | cagtaatgcc  | gacataatac  | tcaacggagt | aagcaattca  | tgagttatat  | 2712060 |
| tcgtaaaaaa  | ctgtaacttt  | gtgtgattca  | gttcctctag | tttctgacgt  | tccacattgc  | 2712120 |
| ccagttcaat  | catatgtttc  | aaatgcattc  | tcttgtgtat | aatccggtaa  | gcaatataac  | 2712180 |
| tgcataaaaag | caaaaagaacg | acataataagc | aatatgccca | ccacgacaac  | caaggaggag  | 2712240 |
| gtaatatggt  | aataatcaat  | tctcgtgtat  | tatcagacca | gacccactc   | gaattcgctc  | 2712300 |
| cccttacacg  | aaagatatat  | tctccgggtg  | tcaaattatt | ataaaaggca  | aaacgggtgat | 2712360 |
| aagccgtagc  | agaaacccat  | ttttcatcat  | accctccaa  | ctgatattca  | tacttgttca  | 2712420 |
| aatccgagtt  | gacataatct  | aggacagaga  | agctcaggtt | gaaattattc  | tggttatatc  | 2712480 |
| gcaatgtaac  | atgatctgca  | taatccagcg  | ctacagacag | tatttcgtca  | tgcttagaat  | 2712540 |
| gcgccatatt  | acgcacagac  | tcattatata  | ttttaaaatc | agtcactact  | acaggcgaag  | 2712600 |
| aatacttact  | ggatgtcatc  | atatctatgt  | ccaatatatt | gatgccatat  | accctccca   | 2712660 |
| aaaagatttt  | accatctttc  | cctatgcaac  | aagcatttct | gttaaagata  | tgctccttgta | 2712720 |
| atccatcttc  | cacgggtataa | atttcaacag  | tcattctgtc | atcatttcca  | gacatatgta  | 2712780 |
| tgcggtacac  | ttccaaattc  | gtcgttatcc  | agatgcttcc | ccgcccgtca  | ttcaatatac  | 2712840 |
| aagatactat  | ttccgattcc  | tcaaaataat  | catctaacat | agaaacgaac  | tgatccttat  | 2712900 |
| cccggtcata  | catacacaca  | ccggtttcat  | tacctccagc | ccatatacgg  | ttctgattat  | 2712960 |
| ccactcccaa  | agtaacagct  | cctataatag  | aagcattatg | actggaaaca  | ttataacaac  | 2713020 |
| gtacatcgta  | cttatttccc  | gtacgtacaa  | ttctccatat | tccagcaact  | gcagtagcgg  | 2713080 |
| cccatatatac | tccatttttc  | atcctctacc  | aacttaaaaa | cagatgagcg  | agaaaagtcc  | 2713140 |
| ttattccctt  | ttccgggaag  | ctgttccaaa  | gaatggagtt | taccagaaca  | gtctaactatg | 2713200 |
| aaaagtccgg  | aacgcgaacc  | taaccataaa  | tttccatcac | gatcttccag  | cacagaataa  | 2713260 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| atacatacat  | ccttcagtaa | aggataagat  | ttatcattta  | tcaccttaac | acgcttccca  | 2713320 |
| tcatacaacc  | atacgccatc | atcccaggta  | gcaaagcaat  | attcacgggt | tctttttctc  | 2713380 |
| tcaatgattt  | cattcactgt | agaaataggg  | ggcaacgaag  | cgaactcctt | aaaatgatta  | 2713440 |
| caaggagtga  | catccttcgt | tctataatta  | tacttcacaa  | gcccaaacc  | catgattccg  | 2713500 |
| agccacaaac  | atccttcatt | atcctgaaat  | atgcttctga  | cagaactggg | aggaaagaat  | 2713560 |
| tttctcaact  | cagacaatgt | atcaagttca  | gaacgactct  | ttctcgtatt | gacagtacaa  | 2713620 |
| actcctcctc  | caagcaaacc | aatccacatc  | aggccgtcac  | gactacacaa | tagagcattg  | 2713680 |
| acctcattaa  | aaggcagatc | atccgtattg  | tttcccggca  | gataatttgt | aaagttcccc  | 2713740 |
| tttccctgag  | ccgactccat | aatactcagc  | ccgctgcgag  | agcctatcca | cagttttccg  | 2713800 |
| gtattagtat  | cttgagcaat | ggaataaatt  | atattatcgg  | caatactatt | cttttcattc  | 2713860 |
| gcgtcgtgcc  | tatagcggac | gaaaaaataa  | tgctgcatat  | catacggatt | tttcaaattc  | 2713920 |
| aataaaccat  | accgccatgt | gccaatccag  | atcttctccac | ttttatcctg | aaacaatata  | 2713980 |
| tgggcggaat  | ttccaggatt | tattccctta  | tacgataaaa  | aaatatcctt | ttcatggtca  | 2714040 |
| taacgccata  | atccctgatt | ccaggtacct  | atccagatat  | cccccgtag  | gtcttccatc  | 2714100 |
| agcgatttta  | tattaaggac | ttctggaata  | ttgtcacaat  | gacaaaaatc | atcttccgca  | 2714160 |
| gctttcttcc  | ggtataaacc | ttttcccgta  | ccaaccata   | cgtccccgtc | ggctccacat  | 2714220 |
| gttatcgctt  | caatataact | atcggccgaa  | gacaatccc   | acaaaactat | tttctctacc  | 2714280 |
| ttatcttcac  | gcttgtcgag | catgtacaac  | ccattatggg  | taccaatcca | caaattacat  | 2714340 |
| tttttatcct  | ccctcactat | attaacaaat  | ccatcaatgg  | aatggtcctt | attctttgca  | 2714400 |
| tccggacgat  | acattattgt | agaatatcca  | tcataacgga  | gtaagccact | ataagtagca  | 2714460 |
| atccagatat  | atccttcact | atcctgacaa  | agattacgaa  | cttcatttgt | tggcaaaggc  | 2714520 |
| aatatagtct  | tcagagaacg | aaaatgaaga  | gaagaagaga  | atgcagacac | tattccccat  | 2714580 |
| agaaaatccca | ttagcaagaa | gatatagcgt  | ttcatgtttt  | tacatagtat | ttttgacaaa  | 2714640 |
| aatactattt  | ttttcactta | tgaacaatag  | aatccacctt  | atcttcaata | agcagaaagc  | 2714700 |
| ctgttcttac  | ccaaataagt | aagaacaggc  | ttttatgaat  | tctgtattta | tatactataa  | 2714760 |
| tagtataagg  | aatctaagtt | ttataccaaa  | tgagcaatca  | gttcttcacg | gtcgccttcc  | 2714820 |
| agcaagtcca  | taaccggaac | ttcaatcatt  | gtataacatc  | ccggctgctg | tttcattgaa  | 2714880 |
| gcacgggcaa  | cgcataccag | tacctgagca  | gtaagtgccg  | gattgttgat | cttcattgtag | 2714940 |
| aactcgaaca  | actgattgtg | agtcttacc   | gatacgcctt  | tacgtaccag | attcacacca  | 2715000 |
| tggcccacat  | cgttcaaatc | gtcaacgcaa  | ggaacctgaa  | taacatgagt | ttcatcgttt  | 2715060 |
| acgaaaatag  | catcggcctt | gatggctgct  | tctacagtct  | tgaagtcagc | accttcttcc  | 2715120 |
| agttctacat  | aaaccatacg | gcgggtgaata | cctgtaccca  | ccggaatagt | catagacaaa  | 2715180 |
| gcacctttta  | cccccggaat | ggcacgtacg  | gctacagagt  | gtcccatact | acgtcccgga  | 2715240 |
| ccaaagtttg  | tataagtaat | acccttgga   | gcaatagcct  | gcaacaatgt | gcgtactact  | 2715300 |
| gagtcgcttc  | ccggatccca | tccggcagag  | ataatagaca  | ctgcgttggt | agccttcgct  | 2715360 |
| gtttcaccca  | gtgaacgacg | caaatcggtg  | atctgtgtgt  | gaatgtcgaa | actgtcgact  | 2715420 |
| gtattgatac  | ccaaagccag | gatttccttt  | gcataatttt  | ctacactacg | ggtcggagtg  | 2715480 |
| gcaagaatgg  | ctacatctac | atcctgcaat  | tccttaattgt | cctttactac | cggatagttt  | 2715540 |
| gccagttctg  | caggcttggt | ttcagctcca  | tgacggcgaa  | cgataccggc | tacttcaaag  | 2715600 |
| tcagaagctg  | cttcgagcgc | ttccaatgta  | aattttccaa  | tatttccgta | accaactacg  | 2715660 |
| gctgctctaa  | tttttttcat | tttatatgtg  | atgtttgatg  | aattcttttt | tcgacgttgc  | 2715720 |
| aaaaatacaa  | aattagaatt | attctaaaga  | aacagtcagg  | cagcgatttt | gaaataaatc  | 2715780 |
| tgacaaaagt  | tacgatttat | aactttctta  | tagctatttt  | tgcactaaat | ttatcattta  | 2715840 |
| tcagaaaaaac | atgatcgaat | atatcaaagg  | agaacttaca  | gagatcacac | cggcaatggc  | 2715900 |
| ggtagtagaa  | tgcaacggtc | tgggatacgg  | cataaatgtt  | tcgctgaaca | cttattccgc  | 2715960 |
| catccaaggg  | aaaaaagagg | taaagctgta  | tatctacgaa  | gccatcaggg | aggatgccta  | 2716020 |
| tgtattatac  | ggctttgcc  | gcaaacagga  | acgggagtta  | ttcttgctcc | tcatcagcgt  | 2716080 |
| atcgggcata  | ggaggaaaca | cagcacggat  | gattctctct  | gccctcactc | cttcggagct  | 2716140 |

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|             |             |             |            |             |            |         |
|-------------|-------------|-------------|------------|-------------|------------|---------|
| ctgcaatgta  | atcagcagcg  | gcaacgataa  | gttactgaaa | accgtaaaag  | gtatcggact | 2716200 |
| gaaaacagcc  | cagcgtatca  | ttgtcgacct  | gaaagacaag | attgccacca  | ccgatatggg | 2716260 |
| aacctccgca  | acggttgctt  | ccgtcgccat  | ggcggccaat | acagaaatct  | atgaagaagc | 2716320 |
| agtcgccgca  | cttaccatgc  | tgggggttcgc | acaggccctt | tctcaaaaag  | ttgtttcggc | 2716380 |
| cattcttaaa  | gaagaaccgg  | aagctgccgt  | agaaaaggta | atcaagctgg  | ctttaaaaag | 2716440 |
| gctataacca  | gattaccaa   | ccttattcat  | agatatacac | acatatccga  | gcagacgagg | 2716500 |
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| tcagggttatg | cttatccagg  | cggaaacctg  | ccaacagcgt | aaaatagttc  | atcttccact | 2717520 |
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| tgccgctgaa  | ctgtgtagga  | cgataataag  | aacgtaatcc | aaacgtattc  | atgttcagct | 2718000 |
| ttcccagctc  | ggagaagccg  | tcccgcgcg   | catcatagcg | attacgggtta | cggtagcact | 2718060 |
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| attgtcccca  | tacctttcca  | ttcagattcg  | acatggtaga | agctacctga  | aaagaattgc | 2718180 |
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| gcccataaac  | acccgaaaga  | gcactcatta  | caggacgact | gtttatcaat  | atctgtgagt | 2718360 |
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| ccacacgcaa  | tcccgaactga | taactcagcg  | atttcgccag | attgtttgag  | ttaacgggtt | 2718480 |
| cgaagagttt  | attactcatc  | acattcacca  | ccaccggggc | gactttccgg  | ctggtttcat | 2718540 |
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| ccgcacgggt  | caccgttccc  | tctcctgttt  | ctacaatcaa | gaccgtagca  | taaggcaaac | 2718780 |
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| ccgttgccat  | gtttaccaa   | gagcatagca  | atcccattat | gaataaaata  | tgttttatca | 2718900 |
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| cttccccgta  | cgacaacagg | gtatggatta | tctcaaaaga  | gaaagttaat  | aaataaagta  | 2719200 |
| atggaaaatc  | aggacaagcc | gcttccaccg | catgccagtc  | cagcgaagca  | aaggtggaca  | 2719260 |
| aaaaatggag  | cgtcagtgcc | tgactggccg | aatgagaatg  | gtgctctgta  | aatggatgcg  | 2719320 |
| aatggataac  | aacaaccccg | ttaacctcgt | gcatgtggac  | gtacaatgct  | gttactgagt  | 2719380 |
| agtacaccac  | aaacaagggt | aaaaggctga | atgccccaaa  | gcgcgtatgg  | cacgttttta  | 2719440 |
| atctcatctg  | cgacaaagat | actcgaagtt | attgtatctt  | aaaaaagaaa  | aaacttaaaa  | 2719500 |
| catattatat  | cgtcatcgaa | accggttcag | atatgggctt  | tccacactgt  | atagaagtat  | 2719560 |
| catataagaa  | taaatgagac | acaaaacaca | aatgtcataa  | aacaaaaaag  | cgactgttca  | 2719620 |
| tttatttgaa  | caccgccgat | ttcctaaaga | acccccattt  | aagggttctt  | gcatcttttc  | 2719680 |
| ctcatctagt  | tgttttcttt | ttgttatcct | tttcttcttt  | tttaccttaa  | agcaatttca  | 2719740 |
| ctaactctat  | ctcaactaat | tcctgaaaac | atttaccttt  | ttctaatacc  | ttaaaaaacc  | 2719800 |
| taaacttaat  | accttaaatc | taataccttt | ctaaaattgc  | ttttttacct  | taattcctaa  | 2719860 |
| tacctcttaa  | ttaccttaaa | atctagtcta | atacctttgt  | gtatcttggt  | atcttttggt  | 2719920 |
| ttcacaacca  | cgatgcaaag | gtatggcttt | ctattttaatt | agcaatacga  | tgagtacatt  | 2719980 |
| ttcttcaaca  | actatagttt | ttcttgattt | atatcatgga  | gcatatcttt  | caccctgtgt  | 2720040 |
| gcggcaacga  | aaaatgcact | tttcaagcat | catttatgcg  | tcaatttcag  | gatacgttga  | 2720100 |
| ttgctgcttc  | cccgaattc  | cagcctcgga | gaatacaaag  | actgttcaaa  | acgtccgtct  | 2720160 |
| accagcacat  | cgatataggc | cagtatcggg | ctgcgttttg  | ggtcggccag  | cagttcttcg  | 2720220 |
| taagtataatc | ccgtatagca | ccagatattc | tgctgcgtac  | gttcacgaaa  | ctcacggaca  | 2720280 |
| agaggaagaa  | actcctcggg | cgaataaaac | ggatctcccc  | ccgaaaaagt  | aattccgtcc  | 2720340 |
| aacaagggat  | tggcattgat | cgacgcaatc | atttcttcta  | ttttctcgcg  | agtcagagga  | 2720400 |
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| tataaataat  | gtagcatata | gatattctgt | ttggatattg  | attcttgctg  | agacataaaa  | 2720580 |
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| cgcgctcttc  | cgcacgcttt | gccgagttcc | aactattcaa  | atctccagtc  | agatatccgg  | 2720760 |
| taatgcggcg  | catgcgaaga | atattctcat | tgttacagat  | aggacattta  | tcgtaaataga | 2720820 |
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| cataataatc  | gcggtcggtc | actcccggaa | tcacaccgta  | cttacgacgg  | tccatgcgtg  | 2721120 |
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| atgccttccg  | gctatgtccg | tgtccttgcc | catacaaagc  | caccatcgcg  | ttgtgcccgc  | 2721300 |
| caatgaaacc  | gattcccaat | gttccctgtt | tcagtagctc  | acctacttca  | tcgttcggat  | 2721360 |
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| gtgccgtacg  | ctggtagtga | taacgggtat | aaagctgttc  | ggctatgaaa  | accgccatat  | 2721480 |
| cgtgcacaga  | actgataaac | gtatcctttg | ccagacgttc  | gatggcatcc  | tgtccctgat  | 2721540 |
| ttttggccac  | actctccgcc | ttgatacgtg | cctcgatggc  | aagacgcggc  | agattcatgg  | 2721600 |
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| cccatttttc  | atgacggttg | aaagggtgat | ccaagaacat  | gaagtccggg  | aacaaagcct  | 2721780 |
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| ttccttccat  | tgcagcgta  | aagtcctcca | tcgcacgctt  | gtaatcggcc  | tcagaataag  | 2721900 |

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| tattcaggtt | atgaataaat  | ccttccatag  | cctgatgggt  | atccttgcg   | acctgactgt  | 2722140 |
| aagctttatg | caagatgtgc  | tccagttcat  | cggctgtcag  | tgcaatacct  | tgtccggcgc  | 2722200 |
| ctgccgaaa  | aaacgagctt  | ttctcgtctt  | ccgctggaag  | tatcgaagta  | aaatactgtt  | 2722260 |
| gagccagttt | cagcaccacc  | gcctcatcca  | gttgtacatt  | tttcatatcg  | agataaaaag  | 2722320 |
| ctaccgacga | agcgacagct  | ttctgaaagc  | ttttcagaac  | acccttagcc  | atgaaaaagt  | 2722380 |
| cgaaaaccgg | aatagcctgt  | ccaccatgtt  | gctcattctg  | atttgtctgg  | aaaatgatgg  | 2722440 |
| ttgccagtgt | agcatagctc  | tggatagact  | gcggcgtacg  | gatgcttccg  | ttcttggtat  | 2722500 |
| gaaagccgcg | ttcgaacaag  | tcatccagat  | cgtactgaat  | acagggtgtc  | gtcttggtgg  | 2722560 |
| gataataatc | aaggtcatga  | atatggatat  | ctcccagctg  | atgcgcctca  | gcgtattgtt  | 2722620 |
| tcggcaaaa  | atacttatag  | gtataatcct  | tggtaatctc  | cgaagcgaaa  | gtcatcatct  | 2722680 |
| gtccggcagg | cgtatggctc  | gacatgttgg  | cattgtctcag | gttcacatca  | ttcttgctga  | 2722740 |
| tggtacaat  | accgtccatg  | atatgcttca  | tctgcgtctt  | gcggctcgcg  | tcggtatttc  | 2722800 |
| tccactggcg | gtaaatagata | tacttttttag | ccacttccgg  | ctgcaccttc  | atcagttccg  | 2722860 |
| tttctacgag | atcctgaatt  | tcttccacac  | cgatggtagg  | attctcaaaa  | tgtgcaatca  | 2722920 |
| cacgccgggt | aatctcgtca  | atcagttctt  | cctgatgagc  | aattcctgtg  | gcattgaagg  | 2722980 |
| ctttactgat | agcatttgta  | atctttgaag  | gcgaaaagtt  | ttcccgtctc  | ccgtcacgct  | 2723040 |
| tgatgataca | gatttcagtt  | aaattcatac  | ttgtttgctt  | tgaaaagtta  | ataaaaagatt | 2723100 |
| ggatctgctt | ctcgtggcag  | gtcttctgac  | tgatctctcc  | cgcaggcacc  | ttcccattgc  | 2723160 |
| ttccaaacaa | cagtggcttg  | cttatgcatt  | gcctacggtt  | cattaagaat  | cacagcagcg  | 2723220 |
| ggtactgttg | ccgattttaca | cggcattccc  | ttttgaaacg  | cttatgttac  | ctaacgaaaa  | 2723280 |
| gccttacaaa | gatatgtttt  | tggataaata  | aataaaaacg  | aaggaagtgc  | acaattttct  | 2723340 |
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| gacaactatt | atttatatca  | acttttctat  | ttggataatt  | aaattttattt | cttatcacac  | 2723460 |
| gaaaagtaat | aaatggccgc  | tctgtcatta  | tcggtttccg  | ccctgaaaac  | agggcagaaa  | 2723520 |
| accaaagaaa | aaaatgaaat  | tctattgacc  | gacgggttcc  | agtcccatct  | gttttgctt   | 2723580 |
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| ccatcccgc  | cgggcatccc  | agcgcttgg   | acgcggcttg  | ccaatgtcgt  | gcagcaaagt  | 2724120 |
| agcccaacgc | agccacaggt  | tatcggttac  | cttggcgata  | ttatccacaa  | cttccagcgt  | 2724180 |
| gtgataaaaa | ttatccttgt  | gtcctcttcc  | gtttctgacc  | tctactccct  | gaagggccac  | 2724240 |
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| aggaaccgga | gaaagtaaaa  | tcttattcag  | ttcgtcggca  | atacgctcgc  | gtgaaataat  | 2724360 |
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| gtcgaccagc | tctccgaagc  | gtgccttggt  | caggcataca  | gccagcgcat  | tgatggtaaa  | 2724600 |
| gtcacgacga | ttctggctgt  | cttccagcgt  | cccgttctcc  | acaaccggct  | tgcggctatc  | 2724660 |
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| acgattcaga  | aagatgtcac  | gcacgtagcc  | tcctacaacg | taacactcca  | gtcccagttc  | 2724900 |
| gtcagcggtt  | tcggatatca  | gattgaatat  | tttgccagta | aagtgttctt  | tcaattccat  | 2724960 |
| gtctattaca  | aaattagcgt  | gcaaaattac  | aaaaaaatga | aaagcctcgc  | agggaataac  | 2725020 |
| cgatttaatt  | gtatttttgt  | tgcgtaataa  | actgggtaat | tatatgaaaa  | agataacttt  | 2725080 |
| agcggccgct  | gctctggctt  | tgcttttatc  | ggcatgcaac | agcgacagca  | aaaatgccgg  | 2725140 |
| gaaactgttc  | cagcgtgcgg  | aactggcttt  | cgcatcgggc | gattacaatc  | ttgcacgctt  | 2725200 |
| gcagatagac  | agcatacgta  | cttattacc   | taaagctgta | gacgtacgga  | aggcaggtat  | 2725260 |
| ccagctcatg  | cagcaaatcg  | acttgcagga  | acagcaaaaa | acgctgactt  | acctggacag  | 2725320 |
| catgatggtc  | atcaaacagg  | ctgaattcga  | ttctatcaaa | ggcaacttcg  | tgctggaaaa  | 2725380 |
| ggatacagct  | tatcagggaa  | caggggaatta | cttctacccg | actcaggtcg  | tagaaaagaa  | 2725440 |
| tatcggacgg  | tctttcctgc  | gcgcacaggt  | aaacgaacag | ggtgaaatgt  | cactcacgtc  | 2725500 |
| tattttattgt | gccggaggaa  | acattcatca  | tacggctgta | aaggtaagtg  | caggcgacga  | 2725560 |
| tacttttgcc  | gaaacaccgc  | cttcaaacga  | cagttatgaa | acaaccgacc  | tggggcgtgc  | 2725620 |
| cattgaaaaa  | gccgactaca  | aagtgggcaa  | cgacggagga | gtagctgcct  | atatcgacgc  | 2725680 |
| caatcaagac  | aagaaaagtc  | tcaagctgga  | gtttatcggc | gaccgcaatt  | atacgacaac  | 2725740 |
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| cggaatggag  | gaaatacgca  | aagagcagaa  | agaggcaaac | ctaaaaattc  | agttcatcac  | 2725860 |
| ccgcaagata  | gaagagggag  | aggcaaagaa  | gaaataaccg | attataaaag  | tatcatatag  | 2725920 |
| ccataaaaaat | agtcataattg | tgattcgact  | ccagagtcac | gatatggcta  | ttttcttttag | 2725980 |
| cagataggtta | tatagctgaa  | aaagagtagt  | caatcggctt | ttttgaattg  | tataataaag  | 2726040 |
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| agttttttgt  | ttttgtacaa  | aaaatagacc  | gttcaatcag | ggataaacgt  | ttaccttacg  | 2726220 |
| gcaagttcca  | tcgcactccc  | catcatcttt  | ctcacttacc | tgacttttcgt | acaatcaaga  | 2726280 |
| tacttgcttc  | atataaaaata | aacatgggaa  | aggtgaccat | caacaaagta  | aagacatccg  | 2726340 |
| acgtaggcgt  | aataatggca  | gcaatgacaa  | gcgatataac | cagtgcacgc  | ttcctgtacc  | 2726400 |
| gggtcataaaa | ctccgccgtc  | aggaaaccga  | gttttgcgaa | cagccatgcc  | aaaataggaa  | 2726460 |
| tttcgaacgt  | ggttcccac   | atcagggtca  | gcatggtcaa | tgtatcaata  | taagaatcta  | 2726520 |
| tcgtaatgg   | gttttccact  | tccgtactca  | cctgatagag | agccagaaaa  | cgggaaggtaa | 2726580 |
| agggaaaatat | cagaaaaatag | ctgaacaata  | cgcccagaag | aaacaacaca  | tatccccagg  | 2726640 |
| taatgactct  | cacagaatag  | cgcttttcgt  | tttcgtacaa | ggcaggtgaa  | acaaaacgga  | 2726700 |
| aaagctgata  | gagtatataa  | ggagaagcca  | gtatgatacc | cgcataaaac  | gatacgttca  | 2726760 |
| tgtgcatgag  | gaactgcccc  | gacaactttg  | tattgatcag | acgaacctga  | aagtcgttcg  | 2726820 |
| tttcaagtcc  | ggacagatgc  | agaacatttc  | ctaccacgc  | aaagaaacgg  | taaataataga | 2726880 |
| aatcgttatc  | cttaggcac   | aggataatat  | ggaaaagctc | atccttaaag  | aaaaaggata  | 2726940 |
| acagcataag  | agcaacgact  | acacacacaa  | tccgtataag | cgtagctctc  | aattcatcca  | 2727000 |
| agtgatccca  | gaaagtcagt  | tccgattcat  | tcttctgctt | cacggtcggt  | atttttcctt  | 2727060 |
| attttccgctc | ttatctgttt  | tttcggcaga  | atctttcagg | ttctcttcca  | ccccgttcat  | 2727120 |
| accatcctta  | aaacttttca  | cacccttacc  | taatcccttc | atcagttcag  | gaatcttttt  | 2727180 |
| acctccgaaa  | agcagcagga  | caatcaaagc  | aatgaaaagt | aattcctgcg  | tacctatccc  | 2727240 |
| cataaataat  | aacgtgggat  | tcataccttt  | aaatttagtt | taatcaaaca  | gatataatttc | 2727300 |
| tttgccaaac  | aaaggtaaag  | atagttttta  | atgtgtgcaa | gcaagaaaag  | gctacatggt  | 2727360 |
| gctttttcac  | acaaaacgcc  | ataaaaaagc  | agcattttgc | cggggcttgt  | tctttgcata  | 2727420 |
| caaagggcaa  | gtcccggaca  | tttttttcgg  | ctgcactaaa | ttcgttcagc  | cactttgttc  | 2727480 |
| cagtctatca  | gtttccagaa  | tgcttccaca  | aatgccgcac | gacgattccg  | gtagtcgatg  | 2727540 |
| taataagcat  | gttcccatac  | gtctatcacc  | atgacaggca | tcagtccttt  | tgtcaacgga  | 2727600 |
| ttgccggcat  | tcgattccgc  | aacaattgaa  | agcttatgct | ccttatcagc  | aaccagccac  | 2727660 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| accgagccgg  | aaccgaacaa  | tcccaaggct  | gccttcgtaa  | actgttcctt | aaaggcatcg  | 2727720 |
| accgagccaa  | agggtccagt  | caatgcttca  | accagttttg  | cgggcatttc | aggctgactg  | 2727780 |
| gcagtcagac  | tctggaagaa  | aaaagtatgg  | ttccacgttt  | gggcagcatt | gttaaagatt  | 2727840 |
| cctccgtccg  | cctttttcac  | aatctcttcc  | aaaggcattg  | cttcataagg | tgttccggga  | 2727900 |
| atcaatttgt  | tcagattatc  | tacataagtt  | tgcagatgtt  | taccataatg | aaactcgagg  | 2727960 |
| gtttccttac  | tcatatacgg  | agaaagggca  | tccatcccgt  | aaggtaactg | aggcattaca  | 2728020 |
| tgtgtcataa  | ctgtagtatt  | taggttaaac  | gatagaataa  | agctttcgca | tatacaaact  | 2728080 |
| taacttttat  | ttttgaaaaa  | aagaatatca  | gcaggcaaaa  | gaaacagatt | cggcaagcat  | 2728140 |
| aatcaagcaa  | ttgataactc  | ctcatagcaa  | aacgccacgt  | tcaaatttaa | aaatagttaa  | 2728200 |
| atttttccgt  | aattaagtgc  | aaagcccgcg  | gatttaccca  | cttttacgta | acgaaagatt  | 2728260 |
| cgttttttaca | aaagaacttt  | cctatctttg  | tagcgcaaga  | aaaaagaaat | acacttttat  | 2728320 |
| aacataactt  | aaataataag  | aattatggaa  | tttgtaacta  | acgaaaaact | taccattgtt  | 2728380 |
| gggtgtgccc  | gtatgatcgg  | ttctaacatg  | gctcagactg  | caatcatgat | gggtctgact  | 2728440 |
| ccgaacatct  | gtttgtatga  | cccgtatgct  | ccgggattgg  | aaggcgtagc | tgaagaattg  | 2728500 |
| taccactgcg  | gtttcgaagg  | cgtaaacgta  | actttcactt  | ctgatataca | agaagcgctg  | 2728560 |
| actggtgcta  | aataatcgtt  | aaactcaggt  | gggtgtgctc  | gtaaggctgg | tatgactcgt  | 2728620 |
| gaagacctgc  | tgaaggttaa  | cgctgctatc  | gctgaagaat  | tcggtaagaa | cgttaaacag  | 2728680 |
| tactgcccgg  | atgttaagca  | catcgtagt   | atcttcaacc  | cggctgatat | cactggtttg  | 2728740 |
| atcacattgc  | tgtactctgg  | tttgaaacca  | agccaggtta  | ctactttggc | tgctttggac  | 2728800 |
| tctactcgtc  | tgcgcagcga  | actggctaag  | cacttcggcg  | tatctatgga | cgctgttgaa  | 2728860 |
| aactgccgta  | cttacggtgg  | ccacggcgaa  | cagatggcag  | tatttgcttc | aactgcaaaa  | 2728920 |
| gtaaaccggca | aaccgttgat  | cgacatgatc  | ggtactgacg  | ctttgactaa | agaacagtgg  | 2728980 |
| gctgaaatcc  | agcagaaaagt | aacaaaaggt  | gggtgctaaca | tcatcaacct | gcgtggacgt  | 2729040 |
| tcttcattcc  | agagcccggc  | atacgtttct  | atcgaaatga  | tcggtgctgc | tatgggtggt  | 2729100 |
| aaagcattcc  | gctggccggc  | tggtacttac  | atttcaaata  | acaagtacga | tcacatcatg  | 2729160 |
| atggcttggg  | aaacttcaat  | cacagctgac  | ggttgccact  | gcgctgcttt | gaacggtact  | 2729220 |
| cctgaagaac  | aggctgcttt  | ggataagagc  | tatgctcact  | tgtgcgaatt | gcgtgacgaa  | 2729280 |
| gttatcgcaa  | tgggtgttct  | tccagctatt  | tctgaatgga  | acaaactgaa | cccgaatatc  | 2729340 |
| aaataattta  | tatttcgagt  | ataacaagaa  | aggagattga  | ttcgtcaatc | tccttttttt  | 2729400 |
| attaccgtaa  | ctgttactct  | atccttgccc  | cggcagtagt  | tgtttccttc | ttttcagaac  | 2729460 |
| gagagatatc  | agtaaaatca  | actcactactg | aattttttta  | caaaatcaga | tgaaccatct  | 2729520 |
| ttcagtaaac  | tccgttatat  | aaactctaata | agaactaata  | acggatgcta | tgaatatcaag | 2729580 |
| aactctcctt  | ctccttttct  | gtctgtcatt  | ttgccgcctc  | tctctacatg | cacatcaggg  | 2729640 |
| aaacaaagaa  | tatacttgcc  | aaccaaacga  | ctcgactgcc  | tgtgtaagcc | gaacaaaaga  | 2729700 |
| gaaaatacgc  | atcaccgccca | cagaaagttt  | caacagggag  | ttttcataca | tgggtataacc | 2729760 |
| gttcattaca  | gccggactga  | ttgtcaagaa  | gcaaaacagt  | gatttccgta | ctttacgcaa  | 2729820 |
| ccggtttaag  | cccgaatttc  | atcaccgata  | cgacgactat  | actcagtatg | tcctcttgcc  | 2729880 |
| cgcaacctgg  | ggattgaaac  | tggcaggcgt  | acaaagccgc  | agctcgtgga | aagaactagc  | 2729940 |
| tgtcagcaat  | gtcttttcgg  | ccgcattaat  | ggccggcttt  | gtcaatacc  | tgaatatatac | 2730000 |
| aaccaaagag  | acccggccag  | acaatacctc  | gaacaactca  | tttccatccg | gacatacggc  | 2730060 |
| aacagccttt  | atgtgtgcta  | caattcttca  | caaagaatat  | ggcatgaaaa | gcccggtgga  | 2730120 |
| cagcataggg  | ggctacacac  | tggcaggcct  | taccggagt   | acacgccagc | tgaacaaccg  | 2730180 |
| tactggatt   | ggcgatgtac  | tggtaggtgc  | cggcattgga  | atgatttcga | ccgacctggg  | 2730240 |
| atattttctt  | tcagatttaa  | ttttcaaaca  | aaagaatata  | gatacatgga | gtttaaatgc  | 2730300 |
| ggattacaac  | cgctatgatg  | cgccttcttt  | cttaagtttc  | aatatgggga | ttgcatccgg  | 2730360 |
| tccttctacc  | ttgcgaactg  | ccgaattata  | cgattctgaa  | ggaggatctc | ccctcggcat  | 2730420 |
| gcgcctgaaa  | gtgggaactg  | ccaccgtggg  | cagcgtggaa  | ggtgcctact | ttttcaatgc  | 2730480 |
| tttcatcgga  | gccggaggac  | ggctgaaagt  | tgccaccctg  | cccgtcatag | cggatatacc  | 2730540 |



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|            |             |             |             |              |             |         |
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| agccgagaac | atgaagaact  | tcgatatgga  | caacgacctg  | caagaagggtg  | ctccagtcaa  | 2730600 |
| catgtttctg | ctcgacggac  | tggagtcgga  | ccatcttgga  | atgctggacg   | tcgatttagg  | 2730660 |
| aatctatttc | tcgtatccac  | ttagccgaca  | ctttcagata  | ggaagcaaac   | tgctggtagg  | 2730720 |
| acgcagactc | aatgccgact  | tcaagctgaa  | ttctgtctgc  | cgcatacaatc  | cacagatttt  | 2730780 |
| tgaccgaggc | attgtaagca  | cagaagccta  | taaccaatat  | tacaaggcag   | acgtagatta  | 2730840 |
| ctacatgcag | caggaaggaa  | tcacccgcga  | tgaattgttg  | aacagcagtt   | ttgtagacga  | 2730900 |
| tgacttcctg | agcatacgca  | aaagttccac  | atacaagggtg | ggaacaggta   | tttcctttac  | 2730960 |
| ttaccgctac | aaggaagatg  | ctgctttccg  | cctgtactgt  | gactatgatt   | ttgcttctcc  | 2731020 |
| ccgactgaca | tacgacctga  | aaaactcatg  | ggttgacgaa  | gcaggtaacc   | ggaatgctca  | 2731080 |
| ctcgtatacc | aagaggacgc  | ctatgcataa  | cctcactttc  | ggagcttcca   | tcgcattttgt | 2731140 |
| tttctgagaa | tgattttgtt  | cccggactcc  | atctgtccgt  | cgggtcaaatac | atggcatccc  | 2731200 |
| gttccgacag | aaaggcatgt  | aaaaaagtca  | ttgcacattc  | tagttatttt   | tattattttc  | 2731260 |
| gcctttcgaa | atgatagacc  | aagccacat   | agaccgcata  | ctcgatgccg   | cacagattgt  | 2731320 |
| tgatgtggta | tccgaatttg  | ttactctccg  | acgcagggga  | gtgaactaca   | tcgggttatg  | 2731380 |
| tcctttccac | aacgaaaaga  | caccttcttt  | cagtgtttct  | cctagtaaag   | gactctgtaa  | 2731440 |
| atgtttcagt | tgcggaagag  | gagggaaatg  | agttcatttc  | atcatggaac   | acgaacagct  | 2731500 |
| ttcgtactac | gaagcgctga  | aatggcttgc  | ccgaaaatac  | aacatcgaag   | tcaaggaacg  | 2731560 |
| tgagttgacc | aatgaagaaa  | aacaggcaca  | aagcctgcgc  | gagagtctgt   | ttgtcgtcaa  | 2731620 |
| ccagtttgca | tccgattatt  | tccaggatgt  | actccataac  | cacatcgacg   | gacagcgcat  | 2731680 |
| cggtatgact | tacctgcgta  | gtcgtggttt  | ccgcgacgat  | atcatcaaga   | aattccagtt  | 2731740 |
| gggatatagc | ctcgacagcc  | ccgatgcgct  | ggcgaaagct  | gctctccaaa   | aaggttacaa  | 2731800 |
| agaagagttc | ttagtaaaaa  | caggactgtg  | ctaccgcaag  | gataacggta   | cgctgcacga  | 2731860 |
| ccgtttctgg | ggacgtgtga  | tatttcccgt  | gcatacctta  | tcgggaaaaag  | tggttagcttt | 2731920 |
| cggcggacgt | gtactgagtg  | ccgccaccaa  | aaacgtacaa  | atgaagtacg   | tcaattcgcc  | 2731980 |
| ggaatcggaa | atctatcata  | agagtcgtga  | gctttatggc  | atttatttcg   | ccaacaggc   | 2732040 |
| aattgtccgt | caggaccgtt  | gctttctggg  | cgaaggatat  | acggatgtca   | tttccatgca  | 2732100 |
| ccagagcggc | atagaaaacg  | tagtagcctc  | atcgggtacg  | gcactgaccg   | ccgaccagat  | 2732160 |
| acgactgatt | catcggttta  | ccaataacat  | cactgtactt  | tacgacggcg   | acggagcagg  | 2732220 |
| tatcaaagcc | agcatccgcg  | gtatcgacat  | gctgctggag  | gaaggatga    | acattaagggt | 2732280 |
| ctgccttttg | cccgatgggtg | acgacccgga  | cagctttgcc  | cgaaagcata   | atgcaaccga  | 2732340 |
| ctatcaggcg | tatattaatg  | atcatgaagt  | cgattttatc  | cgcttcaaga   | ccaacctgct  | 2732400 |
| tatggaagag | gcgggtaaag  | accccatcaa  | gcgtgcctca  | ctgatttcga   | gcatacgtaaa | 2732460 |
| aagtatttca | gttattccgg  | atgccattgt  | acgctcgggtg | tatatacgcg   | agtgcagtca  | 2732520 |
| attgctacag | atggaggaag  | agattctggg  | agaagctact  | gccaaactga   | tagaacaggc  | 2732580 |
| aagagaaaac | aaatttaagg  | aagaacagcg  | taagcaatat  | cgggaacggc   | aatttagcttc | 2732640 |
| caatgcttcg | acagccaatc  | aaacaagctc  | ttcctcgtcg  | tctgcccctg   | ctccgtatgc  | 2732700 |
| cgctacagga | gaagaagtgc  | ctttcagcac  | gaccaatgac  | attcctctgc   | cccctcctcc  | 2732760 |
| agccgaaagc | atcggagaga  | gtggaatcac  | agccgatttt  | cctcctgttg   | aaacaatggg  | 2732820 |
| acaagagagt | gtaccttcgc  | ctgttcctga  | tgaattccg   | gttgatacct   | acaattcata  | 2732880 |
| tatccccacc | gaagggaatg  | aacagaaagt  | cttttacgct  | aaggaagaag   | acctgatgcg  | 2732940 |
| catgattgta | cgatatgggtg | aaaagggttat | gtgctatatg  | gaagatgaaa   | acggagaaca  | 2733000 |
| gcaaccgctt | accgtaaccg  | aatacatagc  | agaaggatta  | aaggaagacg   | aattgcagtt  | 2733060 |
| tcatgttgcg | cttcatcgac  | ggatgctgaa  | agaagcagaa  | atgcacatcc   | acgatgagaa  | 2733120 |
| ctttacggct | gaacattatt  | tcacgcgaca  | tcctgtgccg  | gaaatcagta   | aagcagccgt  | 2733180 |
| cgacctggcc | agcgaccgct  | atcagctcag  | caagtatcat  | tccaaaggac   | agaaaatcgt  | 2733240 |
| cacggatgaa | gaacgtctgt  | acgaactggg  | tccccgcctg  | ctgctcgact   | tcaaattatc  | 2733300 |
| gattgttgat | gaggaaatga  | aacatacgct  | tcaggcactt  | gccaatccgg   | agatagccaa  | 2733360 |
| caaccgcag  | cgctgcatgg  | aagtaatgaa  | acattacaaa  | gaactgcatg   | aaacacagag  | 2733420 |

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| tggttgaatc  | actcaaaaga  | gttggttgca  | tcaattccca  | attgcctcaa  | tagggaaacg | 2733540 |
| atctcatcga  | actttttcac  | cggaaaccctt | tctatcggat  | agcagtgata  | agcaaaatcg | 2733600 |
| gcattccagaa | actcgatgaa  | ggagataaac  | tcgtgaccca  | caaaagggtgc | tgacgtgaaa | 2733660 |
| ttaaccttcc  | gaagggtccga | ataagcaaata | tttacaagtt  | catcttcatc  | ctgctgcaag | 2733720 |
| accatttctt  | gcggttccag  | cgtcagtgcg  | tactggcaag  | agataccctg  | ataaagtgtg | 2733780 |
| aaaaatgaaa  | gtcctacatg  | ctctatttct  | atcaatgaca  | ctaaaaatcc  | cgccagccat | 2733840 |
| acatgaggag  | ttacaaaaat  | catccaacat  | gacaagaaga  | aaaaaaacag  | tccaaacagc | 2733900 |
| aactcaaaaa  | ttccccacct  | acgacgcgaa  | cgcattttct  | ttgaaaactc  | atcataagta | 2733960 |
| cgaattgacg  | acagcctatc  | caactgcttg  | aggggagttt  | cataattggt  | aaaaggaatc | 2734020 |
| ttccgtacca  | gcagatattg  | cacaatccaa  | gccggattca  | ggcgaagtcc  | catattcaac | 2734080 |
| cacatgcctt  | gcagttgtgc  | cccgcgtaca  | aaacccgatt  | tcaaggtaaa  | gataaacaca | 2734140 |
| cccagttccat | acagacaaca  | ccaataaggt  | ttgcattttgc | tgggacgagg  | cttatagtat | 2734200 |
| tgataaaatg  | taaaaccagc  | cacctcttcc  | acattcacgt  | gtttgcgttt  | tagccagcgt | 2734260 |
| tccaccttgt  | atgtttcttc  | ttctgtcaat  | tccataacgc  | tttcttctta  | aatgtactac | 2734320 |
| gaaataaccg  | accagttcac  | attctttttc  | cgaagttcct  | tcaactgctg  | ccatacgata | 2734380 |
| gcattttccg  | gacgctctcc  | attcggatcg  | gcacgagca   | atcgctcagc  | tatctcacgc | 2734440 |
| acatactgca  | agagctgtcc  | gtcgcgggcg  | atatcggcta  | tcttcaaata  | aaatgccaca | 2734500 |
| ccactctgct  | gtgttccttc  | caaataccac  | ggccgcgcga  | acttcaaata  | ggcttctgca | 2734560 |
| atctcaaaac  | catcgtttgt  | ctgcaccatg  | atttcaatac  | gcttacgcgt  | ttcttccgtc | 2734620 |
| aacttatagc  | cggtaaccag  | aatacaatac  | gactgatcgg  | ctccacgtcc  | tacacgtcca | 2734680 |
| cgaactgat   | gcaattgcga  | caagccgaaa  | cgttccgcgt  | tctctatcac  | catgaccgaa | 2734740 |
| gcattaggtg  | cgttccactc  | tacctcaatc  | accgtagtgg  | ctaccataat  | ctgagtttcg | 2734800 |
| tttgccagaa  | aacgctgcat  | ctcctcatct  | ttttcggccg  | gcttcatctt  | gccatgcacc | 2734860 |
| ttgcttacct  | tatatcccg   | gaactcctca  | cagatatgca  | tatacccgct  | ttccaggttc | 2734920 |
| ttgatatacca | tcttctcgct  | ttcctgaatc  | aacggatata  | caatataggc  | ctgacgccct | 2734980 |
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| atggtttgga  | tgggttttct  | tccgggagga  | agttcatcga  | tgacggacac  | atcgagatcg | 2735100 |
| ccatacagcg  | tcatggcaag  | cgtacgagga  | ataggagtgc  | ccgtcattac  | cagcacatga | 2735160 |
| ggcggacaag  | tggttcttcg  | ccacaacttg  | gcacgctgag  | cgaccccgaa  | acgatgctgt | 2735220 |
| tcgtctatca  | ccaccagtcc  | caacgaagaa  | aagttgactg  | tatcttctat  | cactgcatga | 2735280 |
| gttccgatca  | ggatctgtac  | atctcccgtt  | accagatctt  | ttaaaatcgt  | ttccctgcgc | 2735340 |
| ttccccttta  | cgtttccggt  | aagcagctcc  | acccgcacat  | tcatgcctgc  | aagaaaacgg | 2735400 |
| catatcgttt  | cataatgctg  | agttgcaaga  | atttccgtcg  | gggccatcat  | acacgcctga | 2735460 |
| taaccgttgt  | ccaaggctat  | cagcatggtc  | atcaaggcaa  | caagtgtctt  | tccactaccc | 2735520 |
| acatctccct  | gcaacagccg  | gttcatctga  | cgcccgtac   | ccatgtcacg  | ccgcatctcc | 2735580 |
| ttgataaacc  | gcttttgagc  | tcctgtaagc  | tgaacggaa   | gattctgtga  | atagaaggta | 2735640 |
| ttgaaaatct  | ctcctacccg  | tccgaaaacc  | agtccgcgga  | atatttttct  | tctttcttta | 2735700 |
| gtgtaacgga  | ggatattaag  | ctgcacataa  | aacagctcct  | cgaacttcag  | gcgatactgt | 2735760 |
| gctttccgaa  | gcaaatcggg  | attctgagga  | aaatgaatgt  | tataaagcgc  | atcagtaagc | 2735820 |
| gacatcaggc  | gatgctgcgc  | caccagttgc  | ggactgagcg  | tttcttctat  | aatgtctttc | 2735880 |
| tgaagtgtc   | cgaagagatt  | cttcatcagc  | ttctccagcg  | catgcgaatt  | gaggttgctg | 2735940 |
| cgttcatct   | tctcggtagt  | attgtaatat  | ggctgaagcc  | ccatcgacga  | aagagtaagc | 2736000 |
| tcttccgccg  | gatcaatatc  | gggatgagcg  | atgtttatcc  | gcccgttgaa  | gacggtcggc | 2736060 |
| tttccgaata  | cgatatactc  | ttcgtgtgcc  | ttatagcgcc  | ccatgacaaa  | cttcagcccc | 2736120 |
| tgaaccaca   | ccaagtgcac  | cactcctgtc  | ccatccgaaa  | aatgtccgac  | cagacgacgc | 2736180 |
| tggcgacctt  | ctccaatggt  | ttcgaaactg  | agcacctgcc  | ccttcagctg  | aatatacggc | 2736240 |
| atgttcccgt  | ctatctcatg  | gatataatac  | agacgactac  | ggtcgacata  | cttgtaaggg | 2736300 |

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|            |             |             |            |             |            |         |
|------------|-------------|-------------|------------|-------------|------------|---------|
| aaataataca | gcaagtcccc  | aaaggaatag  | atattcagtt | ccttgttcag  | tatcgccgca | 2736360 |
| cgctgcggtc | ctacccccctg | caaataat    | atgtcacgcg | tagataaatc  | gaacatttat | 2736420 |
| ttaaaccaaa | acttcagcaa  | cctttaaatc  | gaacggagtc | gtgagcttaa  | tgttttcacg | 2736480 |
| gtttcccggc | accagatata  | ccggatgccc  | caaagcctct | acaaccgaag  | catcatctgt | 2736540 |
| aaaggcagaa | gtatacggct  | gtccgtatgc  | ctgcttcaac | aaagaagcag  | taaacacctg | 2736600 |
| aggagtctga | accagcttat  | aacggtcgcg  | cggtagagtc | acgctctgct  | cctctgtttc | 2736660 |
| catccggcgg | acagtttcta  | cgaccccgat  | aaccggaatg | acagcttgct  | tttcgcgggc | 2736720 |
| tgcacgtaa  | caggcagcaa  | tcacttcctg  | cgacacgaag | ggacgaacac  | cgtcgtgtac | 2736780 |
| acctaccagg | ctgtccggat  | cgtcgaccag  | agccagtcgg | ttctttacag  | aatggaaacg | 2736840 |
| ggttttctct | ccgtcggcaa  | cgcgatgcgg  | aagcgtaa   | ccgtatgtag  | cacaaagctg | 2736900 |
| cttccagtag | tcctgctggt  | ctaccggaag  | taccaatatg | atatgtatat  | gctcatcgta | 2736960 |
| ggcatggaaa | gcttcacg    | tacgcatcag  | tacaggtttt | cccttgattg  | gaataaactg | 2737020 |
| cttggaata  | tctccccca   | tgcgcaagcc  | ttttctctcc | gctacgacaa  | tgatgtat   | 2737080 |
| ctccatcagg | cgagcaacat  | tcccttttta  | acttccaatg | ctttttcagc  | accggcaaac | 2737140 |
| ttctccagaa | gagcaaaacc  | gaaagctgga  | gcagcaccgc | gacctttacc  | caagatgaag | 2737200 |
| ttatcaacga | tttctacat   | gttgccagta  | tattctgcac | cttccagata  | cttgtcgaat | 2737260 |
| cccggatagc | aagtagcctt  | cttgccctttc | agcaaaccac | gcttgccata  | taccatcgga | 2737320 |
| gcagcacaga | tagctgcaag  | tggtttctta  | gccgcagcaa | agtccataat  | cagtttgtcg | 2737380 |
| agtccggcat | gagcatcgag  | attcgttgct  | cccggcagtc | caccggcag   | aacaatcatt | 2737440 |
| tccacatcct | cttctttcaa  | gtcctcgaac  | agcatatctg | caacgatagg  | aacctgatga | 2737500 |
| gagctgacaa | cagtcttttc  | acctgttact  | gatacagttt | ttacattcag  | tccccacga  | 2737560 |
| cgcataatat | cgagcggaaa  | catggcttcc  | atttcttcga | agccttctgc  | caaaaagata | 2737620 |
| caaattgctt | tcatactaca  | acgaatttaa  | ctattcatat | tttattattt  | atttcaactt | 2737680 |
| gaaataatag | gttatcgta   | cactctgatt  | atttaccctg | tctactgtat  | tgaaacgggc | 2737740 |
| gcggcgcgca | gcttcttccg  | cagcacggcg  | caaagcggga | ttcaccgtat  | tggtccgttt | 2737800 |
| gttgatgctt | gtactgataa  | ctcttcgggc  | gggattcacc | acaatcgtaa  | ctacgacacg | 2737860 |
| tccttcatcc | tgacacattat | atacaggaac  | aggtaatcca | ccagagccta  | gcgaacgacc | 2737920 |
| attcaagtcg | aatgttccat  | atcctcctac  | accggaagtc | tttcccggtg  | ttccattacc | 2737980 |
| gtcaggactt | ccctgtatgc  | cttctcccga  | ttcggatgta | cctttactgc  | ccatcttgga | 2738040 |
| gccttttccg | aaagctcccg  | caatcttgct  | ggcagcagcc | tgagcagccg  | cacgttcttg | 2738100 |
| ttcggcacgc | ttctcagctt  | cggctctttc  | cttaggcttt | gtaactacag  | gctttgtttc | 2738160 |
| cggtttcttt | gtaggcgtaa  | cttccttttt  | aggtttttct | tccttcggct  | tttctttctt | 2738220 |
| cacctgaatg | gaaggttcat  | catcctgtgt  | aatcataggc | tgcttcacct  | caggctccgg | 2738280 |
| agtcgtttcg | ggttccggca  | cagaagtttc  | cggctgcggc | aatacgtcga  | cctccgtcaa | 2738340 |
| tgtaaacgga | tcggcgtcgc  | cttgggcagt  | ttccgtatta | ccaagcataa  | ccggtactcc | 2738400 |
| tccctcttct | tgcttttcag  | ggcagtaag   | cgagtaaaag | aaaagcaaca  | atatcacaag | 2738460 |
| gatatgcaat | accactgttc  | ctattattcc  | ggttacttta | ctttttttca  | ctgtattgtc | 2738520 |
| ttttagttct | gtttgtcagg  | gcggcgggta  | gccagcacca | tcttgaaatg  | attctcattg | 2738580 |
| gcaatgttca | ggatgcggac  | gatttcacga  | tagggaatcg | actcgtcggc  | ataaagagct | 2738640 |
| acatacat   | ccggttcttt  | tgccgcgcac  | tcctgcagga | aagaaggaa   | ttcatccagc | 2738700 |
| gagagcggca | tctcgtcgtc  | attgccgaac  | gccccgta   | aattcaa     | cttatcgatg | 2738760 |
| attacccgtg | ccatcgggtt  | ggccgaagtc  | tggtgggaac | cttgccggcag | caagacctta | 2738820 |
| atggcattcg | gcgacacat   | cgtagaggta  | atcataaaaa | atatcagcag  | cagaaagatg | 2738880 |
| aggtcggtca | tcgacgacat  | actgaacgcc  | ggagatat   | tttgtcttct  | cttcagtgac | 2738940 |
| ataggcttct | tatttttcgt  | ttggttcgtt  | catcaagtc  | atgaaagcaa  | tggtacgtgc | 2739000 |
| ttccatctga | cttaccacct  | tgtctacgcg  | atataccaga | tgattatagg  | caaacatggt | 2739060 |
| agcgatacca | accaccagac  | cccctacagt  | cgtaatcatc | gcttcataga  | taccacttga | 2739120 |
| caagagcgtg | atatcgatgt  | tgtttctctg  | atttgccatg | ttccagaagg  | cacgcacat  | 2739180 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| accggttacc  | gtacccaaga  | atcccagcat  | cggcgcacca  | ctggagatag  | tagccataat  | 2739240 |
| agacagtccg  | ttttccagct  | tcgccacttc  | aatgtttccg  | gtattctcga  | tggcagcctg  | 2739300 |
| cacatcggca  | accggacgtc  | ccatacgc    | gatacccttt  | tcaatcatac  | gagaagaagg  | 2739360 |
| agtattggta  | atgcggcagt  | aattgatagc  | cgacttgatt  | tctcccgtct  | tgatatagtc  | 2739420 |
| gcggatacgg  | tccataaaca  | aaggatcttc  | ctttccagcc  | ttgcggatag  | ctaccgcacg  | 2739480 |
| ctcgaagaaa  | atgtaaaaag  | caatgactga  | catgatagcc  | agtaaaatca  | taatccatcc  | 2739540 |
| ccctttgcag  | gccatatccc  | aaaggttcat  | ttcaggttct  | cccgaagcta  | cgggagtcag  | 2739600 |
| cacgggattg  | tttcccgtca  | tgggtgtcggc | aacggtctgt  | gcagttgcca  | gcaatgtcat  | 2739660 |
| tghtaatcata | ttcaacgaag  | gcaattttta  | tattcttcaa  | tagttttttt  | aagtcccaga  | 2739720 |
| tagagtgc    | cacaaatcag  | tgcgtgtccg  | atggaaactt  | cgtccacca   | cgggaatattt | 2739780 |
| tcgtgaaaat  | aagcaagatt  | ttcaaggctc  | aggatcatgtc | cggcattcag  | tcccatgccc  | 2739840 |
| aacttgcggg  | ttaccgttgc  | agcctccaca  | aaaggagcga  | ttgccgcctc  | ccggtttttg  | 2739900 |
| gcgtacatcg  | atgcgtaagg  | ctctgtataa  | agttctacgc  | ggtcggcacc  | tgcttttgct  | 2739960 |
| gcataattcaa | tcatctccgt  | atttgttccc  | acaaaaatag  | aagtacgtat  | gccagcctct  | 2740020 |
| ccgaaagtat  | ccatcagttc  | ggtcaggaaa  | gaaaggtttg  | cctttgtatc  | ccatcccgcga | 2740080 |
| ttggaagtaa  | tctgatctgg  | agcatcgggc  | acgagcgtca  | cttgatgagg  | ttttaccttc  | 2740140 |
| aagaccagat  | ctacaaactc  | tttcgagggg  | taaccttcga  | tattaaattc  | cgtacggaga  | 2740200 |
| atcgggcgaa  | gggcccagcac | atccgcataa  | cggatatggc  | gttcgtcggg  | acggggatga  | 2740260 |
| acggttatgc  | cttcagcccc  | gaaagcttcg  | caatccaacg  | ccactttttc  | tacgtcgggg  | 2740320 |
| ttatttcccc  | cacgggcatt  | acgcaagggt  | gccaccttgt  | ttatattcac  | acttagctta  | 2740380 |
| gtcatattga  | atttaatttt  | atatctttgc  | gtctacaact  | tgcaaagtta  | acagctttct  | 2740440 |
| cgtaaaaacca | gttaacttta  | cgtgacaaaa  | gattgataaa  | aaaagctaca  | agatatgcaa  | 2740500 |
| cgcaacctca  | gatttggcct  | tttcggaaat  | acttatcagg  | aacataagtc  | agcacatgcc  | 2740560 |
| acgcatctgc  | tggaaatcct  | gcgcagcaaa  | ggagctgaaa  | tctgtatcag  | caacgaattt  | 2740620 |
| tattatttcc  | tgaagcaaca  | taccaaagcc  | aacctcgaag  | gactggagat  | ttttcaggga  | 2740680 |
| tatgattttg  | acgcagatat  | ggtgctgagc  | atcggtgggc  | acggtacgtt  | tctgcgggca  | 2740740 |
| gcaagccgtg  | taggcaagaa  | ggaaattccc  | atcctgggta  | tcaataccgg  | acgtctgggc  | 2740800 |
| ttcctggccg  | acatatcgcc  | cgaccagatg  | gaagaggcat  | tcgacgaaat  | ctacgaggga  | 2740860 |
| aaataccttg  | ccgaaccccc  | acgggtatta  | catctcacct  | ccgacggaca  | tgtactgaaa  | 2740920 |
| ggctatccgt  | acggtttgaa  | tgaatatagc  | atcctgaagc  | gtgacagttc  | gtcaatgatt  | 2740980 |
| accatacgtg  | cttacatcaa  | cgatgagtta  | ctctgctctt  | atcaggcaga  | cggactgatt  | 2741040 |
| gtggctactc  | ctaccggctc  | tacagggtat  | tcgctcagcg  | taggcgggtcc | gattcttgct  | 2741100 |
| ccgcaaagcg  | gaaccatcag  | cctgactccc  | gtagcaccgc  | acagcctcaa  | cgtacgtccg  | 2741160 |
| attgtgattc  | gtgacgactg  | ggagattaca  | ctcgatgtgg  | aaagccgaag  | tcataatttt  | 2741220 |
| ctagtcgcgg  | tagacggacg  | cagcgaaact  | tgccgtgaag  | gtaccaaact  | gaccatccgc  | 2741280 |
| cgtgccgatt  | acttcgtacg  | gattgtgaag  | cgctgccatc  | actctttctt  | caacacgctc  | 2741340 |
| cgcgaaaaaaa | tgatgtgggg  | agcagacagt  | cgctcgtaaa  | caagctgaac  | aaagaataaa  | 2741400 |
| tttgtgcaga  | tgctctgaaa  | aaacatcagg  | agaagcaacc  | ggtgttttgt  | acaaaacatg  | 2741460 |
| caagagtttg  | tacaaaagat  | tttagttttt  | gtacaaatta  | gaccgaaagc  | ctcaggatgt  | 2741520 |
| ttcctatcgg  | acaagccgta  | attatcttat  | aaataagagg  | ctattttcgc  | atagagaaaa  | 2741580 |
| tgaatagacc  | gacttataat  | ttataagtta  | caattaaaaa  | gaaatctcct  | gccttagcct  | 2741640 |
| ttgtttat    | taataacacg  | ggtaaaagca  | ggagattttt  | tctttcaagc  | tcaatctatc  | 2741700 |
| caatttttat  | ttgagcaatt  | ttattttgaa  | atagccttaa  | aaaactgttc  | ctcaccgcaa  | 2741760 |
| gactgatatt  | tatacgatga  | gaaacaggct  | gttatagctg  | gtcggggcagc | agactcagct  | 2741820 |
| tcattgctgtt | cgagcctttc  | accaggatgt  | agtacccttt  | gggcttatga  | gcctgaatat  | 2741880 |
| ctgccagcac  | ctcgtctaca  | ttctgaaagg  | tctggaaagt  | atgggtcgtg  | gcagcgaact  | 2741940 |
| ccggcccccac | cagcactacc  | cgttcgaaac  | cacactcatt  | cagataatcg  | accaccttct  | 2742000 |
| gatgttcttc  | gtgactcacc  | gtaccagttt  | ctttcatatc  | gcctaagata  | accatcttat  | 2742060 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
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| tataggcatc  | cacaatcagc | ttgttgtcgg | cagtttcttt  | caactgcgac  | cggttattgt  | 2742180 |
| gaggcaaata  | cgatgccagc | gcatcgctga | tatcctcatc  | gggtactcca  | aagtaacgtc  | 2742240 |
| cgatagctac  | tgctgccagc | atattgtcca | agttatacga  | gccaatcaga  | tgagtagcca  | 2742300 |
| cttcgtgtga  | tatacctcct | gctgtccatc | ggaaggacag  | aaatggtgag  | caactgatca  | 2742360 |
| gttccccact  | cacatacaag | ccgggagtc  | gtccgtaacg  | cacacaagtc  | agcccttcgg  | 2742420 |
| ctatgccgtt  | caggtaagga | ttttcattct | ggataaagat  | agtagccccg  | cctttggcac  | 2742480 |
| gcaggaaatc  | gtacaattct | ccttttgtac | ggataacgcc  | ttcaaaggaa  | ccgaatccct  | 2742540 |
| gcaagtgagc  | ccttcccacg | tttgtgataa | ttccataatc  | aggctctgca  | atgtcaacca  | 2742600 |
| gctctttgat  | atctcccgga | tgactggctc | ccatttctac  | aaccgccatt  | tcatgctgcg  | 2742660 |
| gattcaaacy  | aagcagggtg | agcggtagac | cgatgtggtt  | attcagggtg  | ccttctgtat  | 2742720 |
| acaaggtatt  | gaatttccgg | ctcagcaccg | tagaaatcag  | ctctttcgta  | gtagtcttcc  | 2742780 |
| cgtagtctcc  | cgtaatgccg | ataacaggaa | gatgcagttg  | acggcgatga  | tagttcgcca  | 2742840 |
| gctgtgcaa   | ggttttcaag | cagtcttcta | cgagaatcgt  | tccctctcct  | gcatactcag  | 2742900 |
| gctcgtctat  | caccgcataa | cggcagccct | gcttcaaggc  | ttgtgcagca  | aatgcgttac  | 2742960 |
| cgttgaaggt  | agctcctttt | aaggcgataa | acatcgaacc  | tgccgggacaa | ttgcgactgt  | 2743020 |
| cggtggtcac  | cttgccgcat | tccataaagc | gtttatataa  | ctcagctatt  | tccataattt  | 2743080 |
| ctgtaacaaa  | actttccggc | gcaaagataa | cgtaatttaa  | tttcccgcga  | ctgcgaaaaa  | 2743140 |
| acaaattatt  | gtgcgtacat | ttgcagcgct | ttaaagacgta | ttatcggaca  | tggaataacag | 2743200 |
| tattgtgaaa  | caaatcaatg | taaacgggca | gttattggac  | ttgtcgtacc  | cgcaggtaat  | 2743260 |
| gggcattctg  | aaccttactc | ccgactcttt | ttatgctgga  | agccggaaac  | agactgaagc  | 2743320 |
| ggaaatcgta  | gaacgtacac | accagatttt | atcggaaggt  | ggcagcatca  | tcgatgcggg  | 2743380 |
| tgccactctg  | tcgcgcccc  | atgccgagca | tatcagtgcg  | gaagaagaaa  | tgccacgcct  | 2743440 |
| gcgttacgga  | ctgggcatcg | tattccgtga | atgtcccgat  | gccattgttt  | cggtagatac  | 2743500 |
| gttccgtgcc  | gatgtagcgc | gcatgtgcgt | agaagaatac  | ggagttgcca  | tcatcaacga  | 2743560 |
| cattgcggca  | ggcagcatgg | acgaaaacat | gttcccagac  | gtggcacaac  | tggggggttc  | 2743620 |
| ttacatcatg  | atgcacatgc | agggcactcc | ccaaaacatg  | caacaggctc  | cgcattatga  | 2743680 |
| caatgtggtg  | caggaggtgc | tgtattattt | ctccgaaaag  | gtacagaaac  | tgctgacctt  | 2743740 |
| gggagcaaaa  | gacattatcc | tcgatccggg | attcggtttc  | gggaaaacc   | tggaacacaa  | 2743800 |
| ctatgaactg  | ctgaacaagc | tcgaagaatt | cagtattttt  | gaactgccca  | tactgatagg  | 2743860 |
| tgtctctcgc  | aagtcgatga | tataccgtct | gctgggaggc  | ggaccagaag  | acgccttgaa  | 2743920 |
| cgggtacaagt | gtcatcaata | ccatcgcgct | gatgaaagga  | gccgatatcc  | tgccgctaca  | 2743980 |
| cgacgtacgt  | gccgcttccg | aagccgtcaa | gatagttgcc  | gccatgaaaa  | agttaactcc  | 2744040 |
| tgtaagtttg  | taaacataaa | gctatgcctt | tcgatttttc  | catactcagc  | gtcaaagata  | 2744100 |
| ttatcgacat  | cctgctggta | gcatttctgc | tgtataaaac  | ctacaagctg  | atgaaatcgt  | 2744160 |
| cggggtcgat  | caatgtattt | accggaattc | tggtattcat  | catcatttgg  | gtcatcgat   | 2744220 |
| cacaagtgtc  | gcaaatgcgt | ttgctcggct | ccatattcga  | taagctgggtg | agcgtaggag  | 2744280 |
| tcattgcact  | gattgttatt | ttccaagatg | agatacgtca  | tttcttgctg  | tcgcttggtc  | 2744340 |
| cacgccaccg  | tacaagcagc | ctgctccgct | tcttcaaggg  | aggacaaaag  | aacggaaaca  | 2744400 |
| gcaaggaggc  | tatcatgcct | atcgtgatgg | catgcctcag  | catgagcaaa  | ggaaagggtg  | 2744460 |
| gagcactgat  | cgtgattgaa | aagaactttc | cactggatga  | catcgcccgg  | acgggagata  | 2744520 |
| tcacgtatgc  | caacatcaac | cagcgtctga | tcgagaatat  | cttctttaag  | aatagtccgc  | 2744580 |
| tgcacgacgg  | agccatgatt | atcagcaaca | agcgcacaa   | ggcggccgga  | tgtatccttc  | 2744640 |
| cggtatctca  | caacctgaac | attccgaagg | aactgggatt  | acgccaccgt  | gccgctctgg  | 2744700 |
| gtatttcaca  | ggaaactgat | gccatggcga | ttattgtttc  | cgaagagacc  | ggtggtatat  | 2744760 |
| ccatcgcccta | tcaggagaaa | ttccacctgc | gtctgaccgc  | agaagagctg  | gagcgtatgc  | 2744820 |
| tgaccaacga  | cgacgaagcc | tgaaatcagt | tcagcatcag  | gctcatgtac  | ggatgaagat  | 2744880 |
| cgtgcaggat  | aaaggctgtc | agttcactga | ttgtgaatgt  | aacatacgtt  | tgtccttcct  | 2744940 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| gcataatcccc | tgacaccttt | cccggaaata | cagtataata  | accgtttattc | tgagggatag  | 2745000 |
| cctcatcgcc  | cgttacgcag | atatacaatc | cttctccacg  | ataaacagca  | gaaaaaacct  | 2745060 |
| tcaggcaaga  | agcgacatct | atcagacggg | ccatgcccag  | ctcgtgcatt  | tcgtcggcac  | 2745120 |
| gtggcacgat  | acactccaga | cgttctgcgc | gataagaagc  | tgcaagctga  | cgcaatacct  | 2745180 |
| cggcaaaatc  | ggcctcatcc | gacagcagaa | tctctttgac  | ggacaatgta  | tttccgtcca  | 2745240 |
| tcaggcagaa  | aacaagcccc | gacatcccc  | cgttttttatc | gacgatccat  | acatctccct  | 2745300 |
| tgctcaaagc  | aagatcggat | aataccacgt | ggaagtcac   | gggctgtatgt | tgaacacagc  | 2745360 |
| acgggcgcc   | gttcatttgt | tcataaaagt | agggataaat  | gtgttccagc  | ggagttttca  | 2745420 |
| acagatctat  | cttactcatt | ttcagataag | atacagagtt  | atcaacaggt  | tgttcataac  | 2745480 |
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| acatggcacg  | atgctgttcc | tgaagcaagc | gccgcattggc | ccctcttgcc  | cgataatcgg  | 2745660 |
| gatgcgtaca  | tgcccctgag | atatacgaag | ttgctaccgt  | ctgcccgcaa  | aagggtcatgg | 2745720 |
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| tcccatcggt  | ataacgcaga | cgaaaataca | aatcgatgaa  | agcttcgtca  | tcatcgaagc  | 2745840 |
| aggttttcca  | caactgtctg | acttgttctt | tgatactcat  | tgtaactcaa  | cgatgtattt  | 2745900 |
| ttcgaggaga  | gtttctggac | aataagaaag | ttttgcctta  | cgcaatccct  | ccagtccgag  | 2745960 |
| gtcttctctc  | cggttaatat | aaatatattg | ttctggaata  | tgaccggcaa  | attcataatt  | 2746020 |
| aatcatggca  | taggtctcct | cgatatcagt | atttgcttcc  | tccacacacg  | tatcgaatgt  | 2746080 |
| ttcattgttg  | ataggagctc | cgaaagtaaa | ggctacgatt  | tttccaccga  | catgcagaac  | 2746140 |
| tccccctgc   | aagtcaagct | caccgatatg | cttcagcgca  | tcgggtcatgg | atcggcgcttc | 2746200 |
| ggcaatcagt  | gcctcatttt | cggcacaatc | gtttgccttg  | caccactcac  | tttccagacg  | 2746260 |
| gagacactcc  | ggaaccaatt | caggagtcag | ctccttgtat  | tcataatccg  | gatatgatgc  | 2746320 |
| cttgaaccga  | ttgatatggt | ttcgctttgc | ctgaaatttc  | tttccacgaa  | gcgtagccag  | 2746380 |
| atcggaaacg  | agatacacat | agtcgaaata | gtcacggtcg  | gcagtaaacg  | taaagcgttc  | 2746440 |
| gggaaaagca  | gtttccagtt | ccgcccgc   | actgctgcac  | acgccaaca   | aacggaagcg  | 2746500 |
| agctcccttg  | tttcgtgcat | cttccatcaa | cgctcaata   | accttatgta  | tgtcaccttc  | 2746560 |
| tcccaccggc  | atcatgtaag | ccagttcatc | atctgcataa  | aagcgaaaca  | gcaagaagcc  | 2746620 |
| gttcaattca  | gcaatctccg | tgcgatacag | aaatcgccag  | ctatacaaat  | tggaaaatga  | 2746680 |
| gaggtcacag  | ttacgacgct | tgctctttta | ggtataaccg  | tgtacggtag  | ccttatcttc  | 2746740 |
| cagttctatg  | ggtttaaatg | gtatcatatt | ctattttatt  | ataaaatgat  | gcggcaaaat  | 2746800 |
| taaaaaaacg  | tgccgatatc | cattcaaaaa | tatcggcacg  | ttcccatgca  | aacatatttg  | 2746860 |
| ctttaacatt  | cattatttag | tacagtcca  | gcaaatgcag  | gatagtcgga  | gtcagcaagg  | 2746920 |
| cagtcagaat  | accgttcaac | gtcagtcca  | gactggcata  | agctccatac  | tttccactca  | 2746980 |
| cttccatggc  | gcgtgaggta | ccaacggcat | gcgaagcagt  | tcccatcgac  | aagccttggtg | 2747040 |
| caataggact  | acctacacgt | cctacctgca | aaaccttgaa  | tccgcagatg  | gcaccaaaaca | 2747100 |
| atcctacgac  | aatcaccaca | gctgctgtca | atgaaggaat  | acctcctaca  | gctcccga    | 2747160 |
| cctccatggc  | aatcggggta | gtcaccgact | tcgggtgcaa  | agacatgatt  | acttcaggag  | 2747220 |
| aagcccccat  | tacttttagt | ataatcgtaa | ccgaaaccag  | tccaaccaca  | cagccagcta  | 2747280 |
| attgagaaac  | aattatcggc | atcaattggt | ttttaatcat  | acgcaattgt  | aaatacaaa   | 2747340 |
| gtacccccaa  | tgcgacgact | gccggcttca | gccaaaactc  | tatcagagaa  | ccagcttcag  | 2747400 |
| aatatttttc  | atacgaaata | tttgtcagct | ttaaaaaaca  | aatcagcaaa  | gctattgcta  | 2747460 |
| tcaatatcgg  | attgagaatg | atcaatcctg | ttttcttctg  | caacagtttg  | gaaagaaaga  | 2747520 |
| agaatccaaa  | cgtaatagca | agcagaaaga | acttactttc  | taaatattcc  | atacttacga  | 2747580 |
| accaattgat  | gaaccaacc  | tgtaacaact | aacactaata  | ccgtactgac  | caacgtagca  | 2747640 |
| atcacgatag  | gccagaactc | ggccgaaatg | atgtcgaaat  | acaacatcaa  | agctactccc  | 2747700 |
| gaaggaacaa  | agaaaaagcc | cagatttgcg | accaggaaat  | cggacaacc   | ctgcacccat  | 2747760 |
| tgacgtttca  | cccagcctaa | ctttaaaaat | aacgtaagca  | aaagcatgcc  | gataatactc  | 2747820 |

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|             |             |            |             |             |             |         |
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| aggatagtac  | attgacgaat  | catacctatt | acatattacc  | ttgaaaacgg  | ctgcaaatttt | 2747940 |
| atataatagg  | ataaaacgct  | gtaccgaaag | cggcattttt  | tatttcttct  | gctattaaac  | 2748000 |
| ataagttttt  | tgcatacttt  | aggagaaaaa | aaacacggtt  | ttgcaaactt  | gatattacaa  | 2748060 |
| aaatgcgtat  | ttttgcaatg  | cgatatacat | tatttggttag | cgtaacacgat | aaaagaatca  | 2748120 |
| catatcataa  | atataattca  | taaactcatg | gatttaatta  | gtcaaattgt  | tgaacgcgct  | 2748180 |
| aaagcaaaca  | aacagcgcgt  | tgtacttccg | gaaggaactg  | aagaacgtac  | tttaaaagct  | 2748240 |
| gccaatcaga  | tattgacaga  | tgggtgtagc | gacctgattc  | tattgggttaa | cccagatgaa  | 2748300 |
| attatgagcc  | ttgcaaaaga  | atggggctta | ggaaatatcc  | acaaagctac  | tattatcgat  | 2748360 |
| ccggaaaaatc | atccgaagaa  | agaagaatat | gcacaactgc  | tgtgcgaact  | gcgtaagaag  | 2748420 |
| aaaggatga   | ctatcgaaga  | agcccgcaag | ctggttctta  | acccggttga  | cctgggatgt  | 2748480 |
| ctgattatta  | aatcgggcga  | tgccgacggc | cagctggcag  | gtgcgcgtaa  | cacgacaggc  | 2748540 |
| gatgtactgc  | gtcctgcaat  | gcaaatcatc | aagacagctc  | cgggcattac  | ttgcgtttcg  | 2748600 |
| ggtgccatgc  | tgtctgctgac | tcacgctcct | gaatgtggtg  | acaacggtgt  | tctggtaatg  | 2748660 |
| ggtgacgtag  | ctgttactcc  | ggttcccgat | gcaaaccaac  | tggctcagat  | tgcaatttgc  | 2748720 |
| acagccaaga  | ctgcccagtc  | tgttgccgga | ttagaccgcg  | gtgtagcaat  | gttaagcttc  | 2748780 |
| tcaacaaaaag | gttctgctaa  | gcacgaagta | gtagacaaag  | tagtagaagc  | attgaaactt  | 2748840 |
| gctaaagaaa  | tggatccttc  | attgaagata | gacggcgaac  | ttcaggccga  | tgcagctctg  | 2748900 |
| gttccaagag  | taggtgccag  | caaagctccg | ggttcagaaa  | tcgcaggaag  | agccaacgta  | 2748960 |
| ctggttggtc  | catgtctgga  | agttggtaac | atctcttata  | aactagttga  | acgtctggga  | 2749020 |
| cacgctacag  | caattggtcc  | tatcctgcaa | ggtatcgcac  | gtccggttaa  | cgacttgtca  | 2749080 |
| cgcggatgct  | ctgtcgatga  | cgtatacaag | atgatcgcca  | tcacagccaa  | tcaggctatt  | 2749140 |
| gcagctaagg  | ctcaataaat  | aaccgactta | taaacattgt  | cattcagacg  | tcatttttcgc | 2749200 |
| tcgctctgaa  | tgacaactgt  | ttttttattt | tacacatcaa  | ctataacaat  | aaaaaccatt  | 2749260 |
| atatgaaagt  | attagtactc  | aactgcggta | gttcatctat  | caaataaag   | ttgttcgaaa  | 2749320 |
| tgactacca   | agaagtcctc  | gcacaaggag | gtatcgaaaa  | aatcggctctg | ccgggttctt  | 2749380 |
| tcctgaagct  | gactttgcc   | aacggagaaa | agaaaatcct  | cgaaaaggac  | gtacccgaac  | 2749440 |
| acactaccgg  | cgtacagttt  | attttcgata | caactgactaa | tgccgaatac  | ggagccgtaa  | 2749500 |
| aagattttaca | tgaatttaaa  | gctgtaggcc | accgtgtact  | gcatggaggt  | acaaaattca  | 2749560 |
| gcggttctgt  | attgattgac  | gatgccgtta | ttgcagctgt  | agaggaatgt  | tgcgacctcg  | 2749620 |
| gcccggttga  | caaccctgcc  | aacctgaaag | gtatttatgc  | cgtacagaaa  | ctgttgccctg | 2749680 |
| aagttcctca  | ggtagccgta  | ttcgatacag | ctttccatca  | gactatgcct  | gattacgcct  | 2749740 |
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| acggaacttc  | tcaccgctac  | gtttcgaaac | gtgtgtgcga  | atttctgggc  | attccgcagg  | 2749860 |
| aaggttctaa  | gatcattacc  | tgccacatcg | gaaacggtgg  | ttctatcgct  | gctgtaaaag  | 2749920 |
| acggcaaatg  | tatcgataca  | acaatgggat | tgactccgct  | ggaaggctctg | atgatgggta  | 2749980 |
| cacgtagtgg  | tgacatcgac  | ggtggtgcaa | tcacttacat  | catgaagaaa  | gaaggctctga | 2750040 |
| ctccggatga  | aatgtctact  | ctgctgaaca | agaagagcgg  | tgtactgggt  | atgttcgaaa  | 2750100 |
| aatcaagcga  | catgcgtgaa  | ctggaagacg | cagtagcaag  | aggagaagaa  | cgtgctatcc  | 2750160 |
| tgacagaaaa  | catgtatttc  | taccgtatta | ccaatacat   | cgggtgcatac | gcagctgcca  | 2750220 |
| tggacggtgt  | agatgttatc  | ttgttcaccg | gtggtgttgg  | tgaataatcag | gcaacagctc  | 2750280 |
| gtgccggtgt  | ttgcaagaca  | ctgggttacc | tgggtgtcaa  | gatcgatccg  | gaaaagaaca  | 2750340 |
| aggttcgtgg  | aaaagaagcc  | atcatctcaa | ccgatgactc  | aaaagtgaag  | gttgtagtta  | 2750400 |
| tcccgaccga  | tgaggaactg  | atgattgcaa | ctgatacaat  | gaacattctg  | aacgacatga  | 2750460 |
| acaaataagg  | aagactaccc  | ttaaatagct | taaaaaagag  | gatattcccc  | gtgagttttc  | 2750520 |
| ttatctttgc  | agcgagtaaa  | acgtaaaaag | aagacagctt  | acaagggata  | tcctcttttt  | 2750580 |
| ttgtgctact  | tgtctagtcc  | tgaatatagc | ttacaacaaa  | aaaggtaaca  | ttatggaaaa  | 2750640 |
| gacagaaaaca | aagtacgtta  | agcgcacaca | aaaagattac  | agtatgtcct  | ttaaactatc  | 2750700 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| agtagtgcaa  | gagtatgaaa  | ccacaaaaat | aagtttggga  | gcgctgaaac  | gaaaatatgg  | 2750760 |
| gatacaagga  | tgttcaacta  | ttagccgttg | gattgaaaaa  | tatggtaact  | ttgatatacac | 2750820 |
| aaacaaatgt  | taccatttcta | tggaaaagag | taaggatcaa  | aaactgttag  | aactacaaca  | 2750880 |
| gaaagtaagg  | ttcctggaac  | gcaagaatgc | ccgtctggaa  | aaggagcttg  | agctgaagga  | 2750940 |
| tatgaaagca  | gagtttttcg  | acatgatgat | agacatagcg  | gaaaaggaat  | ataatatcga  | 2751000 |
| catacgaaaa  | aactcctctc  | ccgaacagtc | aataaatata  | aagaagaaaa  | atccgtaagt  | 2751060 |
| atcagcggaa  | tctgccgact  | gctcgggata | agcaggcaga  | aatattaccg  | tcagcaatgg  | 2751120 |
| aagataatcc  | gaggccggca  | aagggccact | gatgtttgtg  | gcatggtagc  | agatatccga  | 2751180 |
| atggaaactgc | cacgtgtagg  | aacccgcaaa | ctttatcata  | tgcttcatca  | gccacttaag  | 2751240 |
| gagaacaagg  | taggcaggga  | caaactgttc | gatatactcc  | gtgccaaccg  | tctgcttata  | 2751300 |
| aagcccgtac  | gttcatatca  | tgtacaacc  | aactcgcac   | accggtttcg  | gaagcacaag  | 2751360 |
| aatcttgtag  | aaagtatgga  | agcgacacgc | ccggaagaaa  | tatgggtttc  | tgatattact  | 2751420 |
| tatattggca  | atagaaaccg  | gcatatgtat | ctttctctgg  | ttacagatgc  | ttattccaag  | 2751480 |
| aagattatgg  | gatatgatct  | ttccgattcc | ttggacactc  | aaggttcttt  | gaacgcgctg  | 2751540 |
| aggatggcaa  | accgcaaccg  | actgtatagg | gacacgccat  | tgatacacca  | ctctgaccgt  | 2751600 |
| ggtatacagt  | actgttccga  | tgcatatcag | aaattactgg  | gacaatatca  | catcataccc  | 2751660 |
| agcatgactg  | aatctttacga | tccgtacgct | aatgccgtgg  | cagaacgaat  | aaacggaata  | 2751720 |
| ctaaaacagg  | agttcctgct  | tgaggaactt | aatctaccgc  | tatcagatat  | gaaacaggta  | 2751780 |
| ataagggatg  | ctgtctacaa  | gtataataac | atcagacctc  | attactcttg  | tgggtataaa  | 2751840 |
| acgccggagt  | atatgcatca  | tcagaagctg | attaaaatta  | aaagttacaa  | aaacaaacag  | 2751900 |
| ttcagcaaga  | ctgaccttgc  | tgaactgtga | taaataattt  | atTTTTgtcc  | aataactgta  | 2751960 |
| acggttattt  | aggactagtc  | aactcagaca | acaagaaaca  | ctcctttatt  | atgaaaaaga  | 2752020 |
| aaatcgtaac  | ctttggcgaa  | attatgcttc | gcctgactac  | ccccgacaat  | ctacgtatgc  | 2752080 |
| agcaaagccg  | ggaatttttg  | gttaattacg | gtggcagtga  | agccaatgta  | gctatctcca  | 2752140 |
| tagccaattt  | cggcgggagat | gtagaatata | ttaccgcctt  | tcccgcacaac | gccctgggag  | 2752200 |
| aaacttgtct  | ggcagaatta  | cgctcgaca  | atatcggcac  | ccagcacatt  | ctgataggcg  | 2752260 |
| gacaccgact  | gggaacctat  | tacatggaaa | aagcagctgc  | catgcgtaac  | tcaaaagtca  | 2752320 |
| tctacgaccg  | tgaaggttct  | gctttctccg | aactgaaacc  | gggtatgata  | gactggcgca  | 2752380 |
| ccatctttag  | cgacgcagct  | atTTTccact | ggtcgggcat  | cgatgccgca  | ctgactcccg  | 2752440 |
| gactggcaga  | ggtatgcaag  | gaagcaataa | ccattgccaa  | agaaatggga  | ctgaccattt  | 2752500 |
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| atattgccct  | gcgcaacgtc  | atgagttccg | agcatcacac  | tttcgctgga  | gttctttact  | 2752800 |
| cgcacggcac  | catgaaatat  | acacgtgtat | tcgatatacga | caacgtaatc  | gactgtgtag  | 2752860 |
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| agaaacgtgt  | agattttttca | acagccgctt | cggttttgaa  | aaacaccatt  | gccggagact  | 2752980 |
| ataacatcgt  | aaaggtatcc  | gaagtagaag | gattgtctggc | aaaacacgaa  | agtggagaag  | 2753040 |
| tagcccata   | aagcaacgta  | catacatTTA | cgatacacat  | ttatacaca   | taaaagaacc  | 2753100 |
| atatcacgac  | tcattagcag  | agtttgatat | ggttcttttca | cgTTaaccag  | caatgttctg  | 2753160 |
| gtatcctttt  | atcgcacaga  | agtctctcct | tcgatataatt | gttccaggaa  | catagactcc  | 2753220 |
| ccgtcgaata  | cagcatacga  | aaattcactg | atccagtcac  | ccagaatcat  | catccgcgat  | 2753280 |
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| tcgggatgcy  | ttttcagata  | ttccttggtg | aacaatacca  | gcggttcctt  | atcttcgccc  | 2753400 |
| atatattccg  | gttcttttcc  | gtccttccgt | ttcatacggc  | tatgctttgc  | ccactccagt  | 2753460 |
| ccgaagtcca  | tactccagcg  | gggatgcagc | atggaaaaca  | gacgttgcag  | cgTTTTacta  | 2753520 |
| tgaaacatag  | cacgcagcaa  | cttaaacTTA | tggtcattat  | caccagccc   | gtcggccatgc | 2753580 |



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|            |             |             |            |            |             |         |
|------------|-------------|-------------|------------|------------|-------------|---------|
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| ccacattcct | tttccagata  | atcgccgcac  | cagatatcat | ggttgccgat | aaagaaatgc  | 2753700 |
| acctctactc | ccatatccgt  | caactcagag  | atTTTTccca | agaaacgggt | atatacctttt | 2753760 |
| ggaacgacca | gcttgaattc  | ataccagaaa  | tcgaacatgt | cgcccagcaa | atatacggct  | 2753820 |
| gccgcctgat | gcttgatact  | gtcgagaaa   | ttaaccagcc | ggcgttcctg | cgtacgacta  | 2753880 |
| tgctctatcg | cacgtgagcc  | cagatgagca  | tccgacagaa | aatagacatt | cttcatcgct  | 2753940 |
| tccataacca | ttctTTTTta  | taggaatccc  | agttccagtt | tggcttcttc | tgatcatcatg | 2754000 |
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| gattctattt | tctgacgaat  | atcttccatg  | ataaaatcgg | cagccggaca | attgggagcc  | 2754120 |
| gttagtgta  | tatcaatcac  | cacctcacca  | tcgtccttca | aatctatctt | atataatcaaa | 2754180 |
| cctaaatcgt | atacgttgac  | cggatatttcc | ggatcgtata | cggttttcag | catttctaca  | 2754240 |
| ataccttctt | ctattttcag  | ttttgtttcg  | ttatccataa | aaagcatgct | tttagttaca  | 2754300 |
| tctgcaaagt | taataaaaaa  | atggaataac  | cgaaaaacag | tcacaacctt | ccctcgtcgc  | 2754360 |
| aataactgta | ataatccccg  | tcggttacca  | ccagatgatc | gagcaggcgg | atattcatca  | 2754420 |
| actcggcagc | acgccgtaca  | gcctccgtca  | gccggtcgtc | gtcacggctg | ggagagggtg  | 2754480 |
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| ggtcaatcac | cttcgacgac  | tggttgagca  | acaacaccca | acactcctcc | accgggagggt | 2754660 |
| cacacatcag | cggataaaac  | acttcgtata  | tgtctttgga | acatctcacc | tgccgacggt  | 2754720 |
| ccaaaggctc | ttctccatc   | cggcgctgc   | caatctccga | agcggctaaa | atcgtaaccg  | 2754780 |
| cctttgccgg | ccctattccc  | ttgtagcggc  | aaagtctctc | gatagtagtc | ttccccaatt  | 2754840 |
| cacccaagct | gttgcgataa  | ttccctaaga  | ttttccgcac | cagttctacc | gccgagtcct  | 2754900 |
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| tattttccat | ttactcataa  | aagtcttct   | cgaaggcgga | aaaagctccc | ttgccccgca  | 2755080 |
| cacagcgttt | ccaccatgca  | gacaagaagc  | cggttccata | ccccgtcaac | tgtataaacg  | 2755140 |
| cagcaacgac | ggataatata  | ccgatataca  | aacttttatt | ttgtatggaa | gaatcaataa  | 2755200 |
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| gcagcaccag | caccacacct  | accgtaaaaa  | cggcaggaag | catgtgtacc | agtttcagcg  | 2755320 |
| attccgggta | tttcttatac  | agattgatac  | gtgcgatgcc | cgaattgtgc | acctgtttga  | 2755380 |
| agaacttctt | caggtcggta  | cgacgcttgt  | gccataccca | tgcttcggga | aacaaacggc  | 2755440 |
| aacgataccc | tcctttaaa   | atacggatgc  | tgaatcgc   | gtcttcgcca | aaacgcattc  | 2755500 |
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| gataaaactt | atccattttc  | ttcttcccc   | cgcggatgcc | tcctgtagt  | aagaaagaag  | 2755620 |
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| cgccgaaagc | atcggcaggc  | tcacgcttca  | gctcttcgtc | gacggcagcc | agataacccg  | 2755740 |
| gcggcagcac | acaatccgaa  | tccagaatga  | gcagatactc | tccccgacta | cgttcagccc  | 2755800 |
| cgaagttgcy | ggtctgcccc  | ggtccggagt  | taggcttatt | ataataatgt | acatccagtt  | 2755860 |
| gcgtacggta | tttctccacg  | acctgttcgc  | aaggcacgga | cgatccgtct | tccacaacca  | 2755920 |
| gcacttcaaa | atcatccagc  | gtctgttccg  | tcaggctttg | cagcagctca | tccacctcat  | 2755980 |
| cgggacgatt | gtatacggga  | ataataaaa   | aatatctcat | agtctgttcg | ttcggtttat  | 2756040 |
| tttacaaga  | tacgtctttc  | ttgaaagtat  | gctgaacttt | gacggagttt | cttcaacatt  | 2756100 |
| ttccgcatac | acaacgaacg  | gtttctgaaa  | gcctgccggg | tcccgaatat | tttttgtaca  | 2756160 |
| aagttttttt | gattttgtac  | aaaaaataaa  | aaaacgtccc | gacattttcc | ggcaaagaca  | 2756220 |
| acggacagcc | gacaacatcg  | ccagcaagcg  | cttccgctcg | caaccagcaa | tctgttttcc  | 2756280 |
| ccatcttcgg | cgaggaaaaa  | aggaaaaaag  | aagaaatttt | tattctttcc | ttgttaca    | 2756340 |
| acatatagct | ttacgtttac  | ctttttgaaa  | acaattcgta | cgacccgatt | aacaaagcat  | 2756400 |
| gagtaaaaga | acactgacat  | cgactttcac  | cgaactgaga | aacggttttc | tcagactggc  | 2756460 |

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| cacggtaaa  | aactctgtga | tcgatacctt | gcgcaagaag  | aatcaccagc | ctacgggtga  | 2756640 |
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| agaacgattc | cgcatgggtg | aacgtatcat | tgaactccgg  | ctgacacctc | tccagcagca  | 2756760 |
| gattctgcac | atgaaggaat | acgacgggaa | gacgtacagc  | gaaatagccg | aaagtctggg  | 2756820 |
| catgcaggaa | cctgccgtac | gcatgcaact | gtcgagagcg  | agaaaagaaa | tcagggaatg  | 2756880 |
| ttacttaaaa | caaatggaac | gatgaaagaa | tacgaacgga  | cttttcaaca | gtggaaggag  | 2756940 |
| ctggcggcac | ggtattttga | agctgaaacg | accgatgcgg  | aagaggaagc | attggcgcgt  | 2757000 |
| tttctggcta | ctccagccgc | acagggcaaa | gagttcgacg  | aacttcgtgc | cgatcatggga | 2757060 |
| tatgtcgcta | ccggacgagc | cgtataccgc | aagcagcgga  | cacgcagcat | acggttgttg  | 2757120 |
| tactatgcgg | cagcagcggc | aattgcagcc | attctggtga  | tggtaaccgc | ctggcagtg   | 2757180 |
| acggaagg   | cgaacgatg  | cgtggcctac | atcaacggcg  | aacgctgtac | cgacaaggaa  | 2757240 |
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| acccttcagg | ggcagttatc | ggatatcttc | cagacgctgg  | aggaaggaga | atctgcatca  | 2757360 |
| gttgacaatc | aaaaataaca | agctatatga | tcagacgatg  | gattataata | tggatgacct  | 2757420 |
| tgctgattgc | actgcctctg | tgggcacaga | agggtatgca  | tgtagagtcc | ctgttcggcg  | 2757480 |
| gacgcttcaa | gcaagacaaa | cgggcggtag | aggttcttat  | caaaggtaag | gaactgaaaa  | 2757540 |
| agtaccatct | gacgcttttc | cgagcctga  | cggtagccga  | tgctccggca | ttgtcggaag  | 2757600 |
| aaatcgaagc | actcgtcagc | caggatgccg | catcgccgt   | cgacaaggag | gtgggaacgg  | 2757660 |
| taggaaaacg | gctctactat | ggtttctact | gctttccggc  | acgagatgaa | agtttccggt  | 2757720 |
| atctgttcta | ccggaataca | gcggtagccc | ccagcggcag  | caagaaaccg | gaagtgactg  | 2757780 |
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| ataattcata | atacaactga | aaatatgaga | aaaatatatt  | tgctggcagg | actcctgctg  | 2757900 |
| gctgcggcaa | acggctatgc | cgaaagtaca | gactcgtgta  | aagtagaaag | tgtagtaagt  | 2757960 |
| gtggaaaatc | cggaacgagt | aaccattacg | gaatcagaca  | atcgtttcaa | ggtcgaaata  | 2758020 |
| gagggtaaga | agggaaatcc | taacttccgt | tatacccggtg | atgtggaatt | atctccttcg  | 2758080 |
| gaagtttccg | ttaccaagga | acgcagcagc | aactgggatt  | tcaacattcc | gttcaaaaaa  | 2758140 |
| cgtacatcgg | ccaagagaaa | caagcagaat | gaatttcagg  | taaaagactt | caagatagga  | 2758200 |
| ctttccagcg | tacaaggagc | ccccaacggc | atggatgtga  | acatgggctc | atcgtgggaa  | 2758260 |
| atcaccactc | ctaccttcgg | atgggcctat | tatccgtgga  | atacggaaac | ctccctctcc  | 2758320 |
| atcggagtgg | catgcagctg | gcgtaactac | cggatgacag  | gcaagcagcg | tttcataaaa  | 2758380 |
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| cgtatcaagg | tattcagttg | ggcgattccc | atcatgttta  | ctcatgaaac | caagaataac  | 2758500 |
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| tataagctgg | aaggacaggc | atataaacta | accgacaaca  | acattcacca | gactccggtt  | 2758620 |
| acagtcgata | ttcaggcttc | cataggctat | aagtctgtag  | gattctatgt | aaaatacagc  | 2758680 |
| ccgtgcaagg | tactcgatac | agcatacggc | cccagattta  | cggcattgtc | ggtagggatt  | 2758740 |
| gtcctgttct | gacgatgaac | cggcagcaaa | caaaagagcc  | attcctgttt | ccatgcagga  | 2758800 |
| atggctcttt | acctattata | tatatcagtc | tgataaatta  | tgcttttaca | cgacctacgt  | 2758860 |
| aagaaccatc | gcgagtatca | acttcgatga | tttcgtcctg  | attgatgaac | aaaggcacac  | 2758920 |
| gtacagtagc | acctgtttca | acagtagcag | gcttagtagc  | gtttgtagca | gtatcgcctt  | 2758980 |
| tcagtcccgg | ttctgtgtaa | gtaaccttca | actgaacctt  | aaccggcaat | tcagcgaaca  | 2759040 |
| agatagtttc | agtagaagca | tcagatacaa | cgtctactac  | catttcttct | ttcaggaagt  | 2759100 |
| caacaccttc | gatcagatcg | tgagcgatag | gcacttgttc  | gtatgtttcc | tggttcatga  | 2759160 |
| agatataatc | ttcaccttcc | ttgtacaaat | actggtacgg  | acggcgttct | acacgtacat  | 2759220 |
| cttccagttt | ttcaccgatg | ttgaaacgac | gttccaaaac  | gtagccgtct | acaacatctt  | 2759280 |
| tcagttttgt | acgcatgaag | gtgtttcctt | taccgggttt  | tacatgcaaa | aagtcgatac  | 2759340 |

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| tcataattaa  | atccttttat | tattatata  | tattgattgt | tcgtaataa   | ttcgactgca  | 2759460 |
| aaattaatct  | aaatcacgaa | aaaacgcaaa | aagatttgtc | taaaaatgat  | ttagctattg  | 2759520 |
| gtttatttaa  | aaaaagtcac | taattttgca | gcccgaacgc | atagaataat  | aacataaata  | 2759580 |
| gtatatacga  | aaatgaaaag | aacttaccaa | ccctctaaca | gaaagagaag  | aaacaaacac  | 2759640 |
| ggtttccgcg  | aaagaatggc | aactgcaaac | ggtcgccgag | tattggctgc  | acgtcgtgct  | 2759700 |
| aaaggtcgtg  | aaaaactgac | tatatcagac | gaatacaacg | gcgtaaaagc  | ataagaacgt  | 2759760 |
| tagacagaaa  | gatttaagag | agccgcaaga | tgctgagata | gcgttttgcg  | gcttttcttt  | 2759820 |
| ttacaaaagca | tagcggaaaa | gaaaaaattg | tatctttgca | aaaattatat  | agctgaataa  | 2759880 |
| tatggtgaca  | ctgaaagatt | tcttttcatt | caagaataac | cgtttcttct  | ggctcaacat  | 2759940 |
| catcggatag  | gtggtagcca | ttgttggtat | cgtgtacggt | acgttggtggg | gacttgatat  | 2760000 |
| ttacactcac  | cacggagaat | cgtatgtagt | gcccaacatt | aagaataagg  | agttaagcca  | 2760060 |
| ggcgcagata  | ttgctgagcc | agcaatccat | gcaaggtgta | gtaatagatt  | cgagttatgt  | 2760120 |
| aaaggaactg  | cccgcgggca | tcgttctcga | ccagactccg | gcaggaggta  | tgccgggtaaa | 2760180 |
| gaagggaaga  | accatctacc | tgaccatcaa | caccaacgag | gtgccccagg  | tgaaaattcc  | 2760240 |
| cgatgtcatc  | gacaacagct | ccatgcgtca | ggctgccgcc | aagctgaaag  | ccatgggatt  | 2760300 |
| ccggctgacg  | gaacccgaaa | tggtagcggg | agaacaggac | tgggtatacg  | gcatcaagta  | 2760360 |
| tagaggacgt  | tcgctgaagg | caggcgacaa | agtaccgagc | gaagctctgc  | tgacactgtg  | 2760420 |
| catcggcagt  | acgcaaatac | gtgattcact | gagcatggac | tactcaaca   | tgcatagata  | 2760480 |
| aatggatgca  | gcgggagaag | aggctcctac | tgtagacgat | tcgtggttct  | aaaagattca  | 2760540 |
| acaagttcaa  | gacaacgaat | ggcagaagat | tatataaacg | aactggacga  | ctcgtcggat  | 2760600 |
| gatgtagagc  | cggtagagcg | ttcctccgaa | ttatacgaac | atttccgtgt  | agtagtagat  | 2760660 |
| aaaggacaga  | caccggtgcg | catcgacaag | tatctgttcg | aacgcacgtg  | caacgcttcg  | 2760720 |
| cgcaaccgta  | ttcaggcggc | ggccgacgca | ggatttgta  | tggcaaacgg  | caagccggta  | 2760780 |
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| tacgacaacg  | atattattcc | cgaagatatt | ccgctggaca | ttgtttacga  | ggatgatgat  | 2760900 |
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| cgactttgca  | tacattacca | tccacggcac | tccgggagaa | aatgggtattc | tgcaaggata  | 2761920 |
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| gctggtaaac  | aaacgtcacg | gcataagcga | tcaggatgtc | atcgagaaaa  | ttggtcttcc  | 2762100 |
| ttgctttatc  | aagcctaagt | ccagcggctc | cagctttgga | gtaacaaagg  | taaagacggc  | 2762160 |
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| acagaaactg  | acttcggcta  | tctacgacat  | actgggatgc  | aagggtattg  | tacgcgtgga  | 2762460 |
| ctacatcatc  | acgaaaggag  | aaaaaatcaa  | tatgctggaa  | atcaatacca  | ctccgggtat  | 2762520 |
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| agacattcaa  | cgggtagacg  | tacgaaccgt  | agccgaatac  | agtcagggtc  | atattccggg  | 2764680 |
| aagcctgaat  | atcaatgtac  | tggacgaaaa  | gtttgctgcg  | gaagcagatg  | aactgctcga  | 2764740 |
| caaggaacgt  | ccggtagccg  | tgtactgcaa  | aagtgggaaga | agaagccgca  | acgcagcacg  | 2764800 |
| tatcttgact  | aaaaaaggat  | ttaagggttta | caacctggat  | aaaggattcg  | aaaactggaa  | 2764860 |
| ggaatctggg  | aaagacatcg  | aactctaaaa  | aatacacatg  | cggacattta  | cgtggaaatt  | 2764920 |
| ctgaagtttc  | cacaaaatgt  | ccgcatgttt  | tttatgataa  | aaatcgaatt  | atttcaacga  | 2764980 |
| ctgaagcata  | cgtttcaata  | caacagtagc  | cgaaatttcg  | cgattggctg  | cttccggaat  | 2765040 |
| aaccagcgaa  | gtaggtgctt  | ctatcacatc  | atctgtcaca  | atcatgttac  | gacgaaccgg  | 2765100 |

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|             |             |             |            |            |             |         |
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| taggcagtgc  | ataaagtaag  | cattgtttgt  | tacagccatg | tgagcagtat | ctaccgtcca  | 2765160 |
| gctcatatcc  | ttactcagaa  | tcttaccgta  | gtcggcagga | tttgtcactc | cgggacaagc  | 2765220 |
| ccagtctctg  | gcataaataa  | aatctgcccc  | ttcgaaagcc | ttcatctgat | cgtattctac  | 2765280 |
| atgtgctcca  | cgtacaaatt  | tcggatcaag  | ttcataacct | ttaggatgag | tgatcacaaa  | 2765340 |
| atctacatcc  | gcttcattca  | taaaatcggc  | aaatgaatta | ggaacagcct | gtggcagtgc  | 2765400 |
| acgcggatga  | ggagcccatg  | tcaatacaac  | tttcggacgt | tctttctttt | tgtactcttc  | 2765460 |
| aatggtaatc  | aagtcggcaa  | atgcctgcaa  | cggatgtccg | gttgccgctt | ccatcgaaaa  | 2765520 |
| caccggtttg  | ccggaatact  | gaataaactg  | attcagaatt | ttttctgtat | aatcgtcttc  | 2765580 |
| acggctttcg  | aaacgggcaa  | acgaacgcac  | accgatgatg | tcacaataag | aagccatcac  | 2765640 |
| aggaatggcc  | tcaagcagat  | gttactcttt  | gtcaccatcc | atcacgacac | cacgttctgt  | 2765700 |
| ttccagcttc  | caggctccct  | gattcacgtc  | gagcacaatc | acatccatgc | ctaaattacg  | 2765760 |
| tgctgctttc  | tgcgtactaa  | ggcgggtacg  | caagctgttg | ttaaagaaaa | tcagcaaaca  | 2765820 |
| agtgcgatgc  | ttgccagag   | attcatatct  | ataacggtcc | tgctttatct | cgaagcttc   | 2765880 |
| cgaaggggcg  | gtcttcaaat  | caccagatc   | gaatacattg | gtatagggtt | tcatacgatc  | 2765940 |
| tattgtatat  | aaattaatat  | tagtacggca  | aataactat  | aaaaatgcaa | gactatagta  | 2766000 |
| tatcagaccg  | gattcttgca  | aaaatattct  | atttacggat | ttgtccgtta | ccttcaatca  | 2766060 |
| gccacttata  | agtagttatt  | tcccgcgaatc | ccatcggtcc | gcgtgcatgt | aattttctggg | 2766120 |
| tactgatacc  | tatttcagct  | cccagtccaa  | actgtgcacc | gtctgtaaat | gaggtaggtg  | 2766180 |
| cattggtata  | cacacaagcc  | gcatcgacca  | tggcacaaaa | ataaccggca | gcctttttat  | 2766240 |
| cttcggcaac  | aatacattcg  | ctatgtttcg  | aaccgtatgt | ataaatatgc | gatacagctt  | 2766300 |
| cctctatatc  | ggctaccgtc  | cgtattgcca  | ttttataatc | gagaaactct | gttccgtaac  | 2766360 |
| tgctcgctgt  | agcccagcaa  | agcaattccg  | acggatagtg | gccctccaat | gctttataag  | 2766420 |
| caacctcatc  | ggcataaatc  | gtaaccttac  | tatcttgaag | aggagtacat | aaagcaggta  | 2766480 |
| aatctgccag  | tcgtgatgca  | tgaatcagca  | gacagtcgag | tgcatgtcat | acgctgacac  | 2766540 |
| gacgggtctt  | ggcgttattg  | acgatagcag  | cccctttcac | gatatcgccc | gaagcatcga  | 2766600 |
| aataagtatg  | gcaaacaccg  | gctcccgttt  | ctataaccgg | aatggtggcc | tcccagcgta  | 2766660 |
| catagttaat  | cagggttgctg | ctgccacgcg  | gaatgatcaa | atcgaccaac | ccttcggcat  | 2766720 |
| ggagtaattc  | ggctgttgcc  | tcacgactgg  | caggcagtaa | ctctacaaca | tgcgtatcga  | 2766780 |
| ctcccagttg  | tgacaagact  | tcgtgtatca  | cttttactat | tgcccgattc | gaacagtcgg  | 2766840 |
| catcgcttcc  | acctttcagc  | acacacgcat  | taccactttt | caggcaaagc | gaaaagacat  | 2766900 |
| cgaagctgac  | attgggacgt  | gcctcataaa  | taataccgat | aactccgaaa | ggaacactta  | 2766960 |
| ctttcttcag  | atgcaaccgg  | ttcggacgaa  | cggtttcctc | caagattctg | ccaagcggag  | 2767020 |
| aaggcagagc  | tgccacattc  | cgcataatcg  | atgcaattcc | ttccagacgt | tcttccgtca  | 2767080 |
| gcttcagcct  | gtcgtacttc  | gggtttgcag  | gatccatccg | ctgaaggctc | tccctgttag  | 2767140 |
| cctccaatat  | ttttttacta  | tgcttcacgg  | ctgcatctgc | aactgcaaac | aatacctcgt  | 2767200 |
| ttatctgttt  | ttcgtccaac  | aatgccagcc  | ggcgggaagc | ctgacggaca | tcgtgtaaaa  | 2767260 |
| cttcattttat | attcatacga  | ctattttgta  | cacaatacaa | tgattccctg | caaaaatatc  | 2767320 |
| attattttcca | tgattttcaat | tcttttttta  | tttttatata | aggatattac | gaaaactttc  | 2767380 |
| ttatcttttg  | ataaacatac  | agagagtatc  | aacccttttt | attaaccact | aaaacaatga  | 2767440 |
| gctatggaaa  | ctaaaacgta  | tggatcactg  | gtagaagtgt | tcagaggcag | tctctgggaa  | 2767500 |
| gcagaattaa  | taaaagggtt  | gttagaatca  | gccggagtgt | cagctatgct | gaaagatgaa  | 2767560 |
| acattatcag  | ctgttacctc  | tccttactta  | ccaacaggag | atgtactggg | aatgggtta   | 2767620 |
| aaagaggaag  | aagtttatgc  | taaaaaagta  | gtatcagaaa | gaaaagtatg | agaaaaaaga  | 2767680 |
| tctttgcagc  | gatggctgtt  | ctggctctta  | cagcattcag | tacgaatgca | caaacattaa  | 2767740 |
| aatcgaccac  | atggaaagcc  | tacgggggta  | gttttaaagc | tccgcaggc  | tttaattgtag | 2767800 |
| aggatgattc  | agaagaagga  | tacattatca  | gtacgccaac | ctattacatc | acggtacagc  | 2767860 |
| ttctggaagg  | agaaggtatc  | cagcgctcgg  | aactttcgca | agagctgaaa | aatattgcaa  | 2767920 |
| ctgacgatga  | agtgactaat  | caatcgctgt  | ttaccacttt | cgaacttcct | cagttttatg  | 2767980 |

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| gtgcgcaact  | gaaaggaaac | tgtgaaaccg | aacagtgtgt  | ctattcttat | ttgttgagca | 2768040 |
| aagacggaag  | cagtggattt | tacgtgtcca | ttacttacac  | agacaagaaa | gacaatactc | 2768100 |
| ccgaagccat  | tctgaaaagc | tttacactgg | aggaataaga  | tgccgcagtg | aaagggaatg | 2768160 |
| ataaaagata  | cgatataatg | aaacaacctt | taccaacctt  | tacttccatt | cgctggtgga | 2768220 |
| acgccttggt  | tttattggcg | atattattgc | caatgggagt  | tttgccagcc | acagcacaag | 2768280 |
| atatcagtga  | aacaactgcc | ctgacttata | gctgtcagga  | tattcccaaa | agcattactt | 2768340 |
| tctgcgggga  | gaacattgat | ctgacccgat | tcgacaggcg  | tgaacgtatc | gaccgtgaat | 2768400 |
| tactggcttt  | cacgtatatg | cacagtacct | ccatccaaat  | gatcaagcgt | gccaaaccgt | 2768460 |
| atttcccgat  | agtggaatcc | attttgcgtg | aaaacgggat  | tcccgcagat | ttcaaatacc | 2768520 |
| tgatgtcgat  | agaaagtaat | aataaccac  | tggcgcgttc  | gggagccgga | gctgccggac | 2768580 |
| tttggaact   | aatgcccgtt | acagcgcgtg | actttggcct  | ggaagtagga | cacagtgtag | 2768640 |
| acgaacggta  | tcatgtagag | aagtctacac | aagcggcctg  | taaatatctt | aagcaagctt | 2768700 |
| atgcccgctt  | cggaaactgg | accagtgtag | ccgcataccta | taatgctggt | cagggacgta | 2768760 |
| tctcccgcg   | actggaacgt | cagtacgaag | agaatgcact  | cgacctccag | cttgtagaag | 2768820 |
| aaacggcacg  | ttacgtctat | cgtatcttgg | ccgctaagat  | tatgtttgcc | aatccgcaaa | 2768880 |
| aattcggttt  | ccggttgcgt | gcatgcgact | tatatccggt  | tattccttac | catgaaataa | 2768940 |
| aggtagaaga  | gagcattgag | gatcttcccc | gctttgcgaa  | gggaagaggc | atcacttatt | 2769000 |
| cgcttttacg  | aaacatgaat | ccatggatac | gtagtcatte  | acttccggta | cacggaaagc | 2769060 |
| agggtatta   | tattcgcatc | ccagacaaag | aagaaatgta  | ctataatcca | cgggtaatta | 2769120 |
| ttgcacacga  | gccgaactgg | gtagtgaag  | aaaaataaga  | ttcacgacgt | atatacgatt | 2769180 |
| acagactttc  | aaaatctcaa | ttttaagaga | atagacttta  | acattcaaca | tttttataac | 2769240 |
| caaaaagaaa  | gggccgtatc | aatacttcaa | acagaagctt  | gatacggccc | ttttttagtc | 2769300 |
| tcgtagttag  | aatcaattat | cgaagggagg | taacatcaat  | ctagtgccgc | cacactcttt | 2769360 |
| gtttataacg  | aaccggaact | ttcctcacca | gtctatattc  | tttaatcctt | tactccgcaa | 2769420 |
| gtattcattt  | gctttactga | aatgcttgca | accaaagaaa  | ccataatcgg | cagacctcgg | 2769480 |
| agagggatga  | actgttgtca | gaatgcaatg | cttggttgca  | tcgataaggg | aagcttttgc | 2769540 |
| cttggcataa  | cttccccata | gcataaagac | caggttctcg  | cgctcgtcgc | tcaatttctt | 2769600 |
| gatgacagca  | tcggtaaatg | tttcccatcc | tctgttacgg  | tgagaaccgc | tctgataagc | 2769660 |
| cctgaccgta  | agtacggagt | tcattgaaaa | aactccttgt  | tccaccatc  | tatccaaatt | 2769720 |
| accggacgaa  | ggaataggtt | tacccaaatc | ttgatgaatt  | tccttgaaga | tattcatcaa | 2769780 |
| cgatgccgga  | atagccgtac | cttcgggtac | agaaaagcaa  | acaccgtaat | acagtcccgg | 2769840 |
| cgtaggataa  | gggtcctgcc | ccaagatgac | aaccttaacc  | ttttcaaacg | gacatgcgtt | 2769900 |
| gaacatatgg  | aatatctgtg | aaccttgagg | caagacatgt  | tcatgcgcac | actcatagcg | 2769960 |
| tacaaaatct  | gtcagctgct | tgaagtaagg | cttatcgaa   | tcttcctgca | aacggcagcg | 2770020 |
| ccaactttct  | tctatcttga | cattcatctt | ttttatatta  | cttgcttcaa | ctgcaacctt | 2770080 |
| tcgctgtgga  | atatcggccg | atgtttcaca | ttttcctttc  | aggatatttg | agaagaaatc | 2770140 |
| aaccgacgc   | cagtagaaat | actcattcat | atctccaaac  | ccgtggcgct | gtcccggtaa | 2770200 |
| tatcaacatt  | tcaaaacgct | tggtggcacg | gatcaaggca  | tcgactacac | ggatggtatt | 2770260 |
| ggctggatgc  | acattattgt | ctatatctcc | atgtaccagc  | atcaaatacc | ctttcaactg | 2770320 |
| tttcacgatt  | tcaggattcg | ttgcaatttt | ataagcaaag  | gttgatcgc  | ctttctccga | 2770380 |
| aacttcttct  | ttcacgccat | gatgcgtttc | actccaccag  | cggttataaa | tccggttatc | 2770440 |
| gtgatttccg  | gcacacgata | cggctgcctt | atagaaatcg  | ggatactgac | agatagctgc | 2770500 |
| tgctgacata  | aatcctccac | ccgaatgtcc | atgaatacca  | accttgtcta | tatcgataaa | 2770560 |
| cttatagcgt  | gctgccaact | gttcacggc  | tgctttatga  | tcggcaagtg | gataatcgcg | 2770620 |
| catattttcca | tatccgtagt | tgtgatacca | tttcgaacgg  | ctgggatgac | cacctcgctg | 2770680 |
| tcctacggaa  | ataacaatga | aaccagcctg | tgccaaacgg  | tcggtacgga | cactcatacg | 2770740 |
| ggtaaaccga  | taataaacgg | cttctacctg | aggaccggga  | tatacataat | cgataatagg | 2770800 |
| ataaaccttc  | gttgaatcga | aattataagg | cttatacatc  | actccataca | gatctgtcac | 2770860 |

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| tccatcggca  | gcctttacgg | taaagagctc  | cgggaactga  | taaccggcag  | ctttcaactg  | 2770920 |
| tgagaaatca  | ctctcctgaa | tagtcataac  | cttattccca  | ttgcggtcta  | tcaaatacagc | 2770980 |
| acatggaata  | gtgtttaccc | gtgaataatt  | atcgacaatg  | aagcgagctt  | catcgtaaac  | 2771040 |
| ttctacctca  | tggaagaaat | tacccttggt  | cagcaacttc  | aatccactgc  | catcggcatt  | 2771100 |
| caccttatac  | aaatgttcat | aataaggatt  | ctctccttcc  | tcacgaccat  | tggcgataaa  | 2771160 |
| ataaatcgtg  | cgagcagggt | catctacctt  | tacgacacgt  | tctacatgcc  | acggaccttt  | 2771220 |
| agtaatacga  | ttcttcaa   | tgccgcggtc  | gtcatataaa  | taaagggtgtg | cccagccgtc  | 2771280 |
| gcgttcgctc  | cactggataa | attccttacc  | tccattaaat  | acgtaaatcg  | gacgagtttc  | 2771340 |
| ctgatacgt   | ttcatacgt  | cctttacaac  | cggcacaatg  | gagtcctgtc  | cgatagtata  | 2771400 |
| ggtacataca  | tcaatacgt  | gcaagtcacg  | actgctgcga  | gtcaggaaga  | aacgagtggt  | 2771460 |
| atcaccttgc  | catataggag | agatgaactc  | cgcatacag   | tgtttctgct  | cgtaaggacg  | 2771520 |
| tgcttccagt  | cccagactct | ggttcttcca  | ggcagccact  | ttaatctcct  | tacgcttatt  | 2771580 |
| gtctgtcata  | tcgaacagat | acaaatgtc   | ttcgggagcc  | tccatttctc  | ccggcatctg  | 2771640 |
| gtaacggtac  | gtttcaagt  | taggacgagg  | ttgagcaacc  | gaattgatta  | cccaaagggtc | 2771700 |
| ttttaccttg  | cggctcgtcg | atacgtatcg  | tacaaaatgc  | ttcgaatcgg  | gcgaccagta  | 2771760 |
| tccccataca  | ctgcgacgt  | ttccgttaca  | taaggatcgt  | gtattcaaag  | tactataagg  | 2771820 |
| aatgccatat  | ccaaaatgct | cgggtccatc  | cttcgtcaac  | tgtatctcga  | caatcgtact  | 2771880 |
| atccttttctg | tctttttgtg | ccttccggt   | atcttccata  | ctcatccggt  | acaaattaca  | 2771940 |
| gtctttcgc   | taaacgacag | ttttaccatc  | gggagaaaca  | gaagcccact  | ccagtttctt  | 2772000 |
| cggttccttt  | gcctcttctg | tcagctgggt  | aagtttacgt  | gtgggataat  | catacgagaa  | 2772060 |
| ataaaaaata  | accttttctg | cctttttctt  | ctcttcttct  | ttcggcttag  | cctcctgaga  | 2772120 |
| agactccacc  | tcaaacgtaa | atgtccgtcc  | gtcttcttct  | gccttcagat  | tacgaatcgg  | 2772180 |
| taaatgacgt  | gcttcgaacg | gatcgtgtac  | gatttccgtc  | aactgggaag  | ccagttcatc  | 2772240 |
| acgatcgaac  | aacagctttt | ttgttttagc  | agccggatca  | accacatacc  | aaaatgtacc  | 2772300 |
| ttcgtcggtc  | ttatattcga | accagaaatt  | attaccttct  | tgaaccaggt  | gcggatcgac  | 2772360 |
| cgtagtggag  | aaaagcattg | tattcaactt  | actttgagta  | aatttttcag  | cctgaagata  | 2772420 |
| ttcaggcaat  | ctttcctgtg | caggcaggtg  | ttcaggaagc  | aaacacatcc  | ctcccacaaa  | 2772480 |
| cataaccgta  | aaaattaact | ttttcataac  | tccttttatac | aaaaaagcac  | tgactatatac | 2772540 |
| atctcccaga  | gaagagtaat | ataatcagtg  | catttactta  | ttatcaatta  | gaacagaaat  | 2772600 |
| cttagtacat  | cgttgaaatt | tgcccaaatac | agtaaagcaa  | aaagaaggaa  | cattcccacc  | 2772660 |
| atctgagcat  | actccaagaa | cctgtcactc  | ggcttacgac  | gggctataat  | ctcatacaac  | 2772720 |
| aagaacaaga  | catgaccacc | atcgagtgc   | ggaatcggca  | aaatgttcat  | aaaggctaag  | 2772780 |
| ataatagaaa  | ggaatgccgt | catctccag   | aaacgctgcc  | agtccatac   | cttcgggaag  | 2772840 |
| atacttccaa  | tcgtaccaa  | tcctccgacg  | ctcttggtc   | cttctttcgt  | aaacacatat  | 2772900 |
| ttcatgtcgt  | ttacataacc | ttttaaggta  | tttaccacca  | aagttactcc  | tgccgggaat  | 2772960 |
| gattcaaaga  | atccatagct | caaattggtt  | tccttataat  | caactatacc  | tccaatggca  | 2773020 |
| tcgaccataa  | actgctcatt | tgtctgaacc  | gctaccgtat  | ctctcactcc  | ctgacgagaa  | 2773080 |
| tagaccaaag  | tgaactgtgc | cgatgttttc  | ttttccagtt  | cagccttggt  | gcgaagctta  | 2773140 |
| ctcatctcgt  | ccaaaaattc | attccacgaa  | ttcaatggag  | taccgttgaa  | agcaatcagt  | 2773200 |
| gaatcgcctt  | tctgaattcc | gaccttagca  | aatcctccac  | cagccaatac  | agaatcgacg  | 2773260 |
| acattcggac  | ggaaggtagc | aacaaacatc  | ggatcctctt  | tcgccacatc  | aatcaagctc  | 2773320 |
| agctccggca  | tcaggatttt | cttttctctt  | ccgtttcgaa  | ggacgggtcac | ttcacgtgct  | 2773380 |
| tccacaatat  | tacgaagcat | atccatatcg  | aaacgaacca  | gttccttgcc  | atcggcgctt  | 2773440 |
| ttcaagatat  | ctccatcgcg | gaaaccgatc  | ttctgggctg  | tctcgttgaa  | tttcatacca  | 2773500 |
| taggtcatat  | ccttcaaggc | tacataagaa  | tctcccatg   | tataaagaat  | catcgaatag  | 2773560 |
| ataaacaagg  | ccaaaaggaa | gttcatcagc  | actccccaa   | ccataaccag  | taaccgttgc  | 2773620 |
| cacgccgggt  | tgaacgaaa  | ctcccacggt  | tgccgcgggt  | gcttcatttg  | ttcgggtatcc | 2773680 |
| atcgactcat  | caatcatacc | cgatatttta  | caatatccac  | ccagcggcaa  | ccagcctacc  | 2773740 |

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|             |             |             |             |             |             |         |
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| aagatataaa  | acttctccac  | tcgtattttg  | aaaagacggg  | caaagaaaaa  | gtgtcctcct  | 2773860 |
| tcataaataa  | tcaccagcag  | tgacaaactg  | aggatcagtt  | gaagggcacg  | aatcaaaaat  | 2773920 |
| gtttccatct  | aaagtttatt  | ttctattttt  | aaattaatac  | attctgttac  | ttcattccat  | 2773980 |
| ttataacat   | ttcagccgca  | atagcagctg  | tttccgcctc  | ggtagaaaca  | taatcctcgt  | 2774040 |
| aagtaggagt  | cgcaataaaa  | gacacacgct  | gcatcgccct  | ttcaattaca  | tcactcatac  | 2774100 |
| caaggaaaaga | tatctgatct  | ttcaggaaaag | aggctaccac  | cacttcattg  | gccgcattga  | 2774160 |
| caatacaagg  | catattacct  | ccctgatgca  | aagcttcata  | agccaatgcc  | agattgcgga  | 2774220 |
| agcgcttagt  | atcgggagcc  | tcgaaagtca  | ggctgttaca  | cttcaggaag  | tccagacggt  | 2774280 |
| cgaaaagagga | acgaacacgt  | ttgggatatg  | aaaaggcata  | ctgaataggt  | aaacgcatac  | 2774340 |
| cgggtactcc  | caactgtgct  | ttcacggcac  | cgtcttcaaa  | ttctaccatc  | gaatgaataa  | 2774400 |
| ccgactgagg  | atgaacgacg  | acctctatct  | gatccggacg  | tactccgaat  | aaccattttg  | 2774460 |
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| ttgtaaacgt  | acggaaaggt  | ccgcccgatg  | ctgtaagaat  | aactttttcc  | aatgggttat  | 2774640 |
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| ccatcattgc  | cgtaataaca  | atgtcgatag  | gttgtgactc  | cacaacctgg  | caaatagcac  | 2774880 |
| ctgccccagc  | ataaaccttg  | ataggcaagt  | cagataatgc  | ctctttcagt  | tgcaaatact  | 2774940 |
| tatcttcatt  | ggcaatcacg  | actgcttcag  | gatgaaactt  | ccgtgcctgc  | tcaaccagta  | 2775000 |
| aatccacttt  | attattagcg  | gtcaatacat  | aagcttcata  | taaatcgggg  | tgctcttcta  | 2775060 |
| tgacttgcaa  | agcctgtgtc  | ccgatagagc  | ccgtagaacc  | taatatggca  | atgtgttttt  | 2775120 |
| tcataatacta | aaatacaacg  | tatttttcag  | gattagtcgg  | attacctcta  | tgccataact  | 2775180 |
| caaaatgtaa  | atgaggctga  | tcgccatctt  | ccgtcgactt  | tccaaccaac  | gcaataacct  | 2775240 |
| ctccaccttt  | tacttggtca  | ccttcccgtc  | tcatacagaga | accacaatgc  | ttatacacgg  | 2775300 |
| aaatgaaatt  | ctgcggatgt  | tgtatctgaa  | tgacatatcc  | ccattcagct  | gtataagcag  | 2775360 |
| ccataataac  | cgttccatcc  | aaagctgcaa  | gaatgctttc  | gttaggactt  | gctgtaagat  | 2775420 |
| ctataccaaa  | atgtcgcttt  | tccggattaa  | agcctgcgga  | catgactcca  | cgtaaaggac  | 2775480 |
| gatagaaaat  | taatccggca  | gcacgcgcga  | cgtccgttac  | agcagtcaga  | ttatatcttt  | 2775540 |
| cctttttctt  | atattgctta  | cgaaattctt  | cttctttctt  | cgagcgttcc  | atcagtttct  | 2775600 |
| ccgcacgaag  | gttagtcagc  | gagtctatcg  | actgcaccgt  | atcagccttt  | acctgtccgc  | 2775660 |
| tcaagatatc  | ctgaatattc  | atgacatacc  | ggctctgacg  | ttcgagcgcc  | gcctgcaagg  | 2775720 |
| aatccgcccg  | caaagcatta  | gctacaatct  | gagaacgaac  | ctcactgttc  | atatacccg   | 2775780 |
| gaagataatt  | tcgcaatgga  | gtaaatgcga  | taatagcagc  | agctatcagg  | aaaataaccg  | 2775840 |
| tacaagccga  | caagaggaca  | gacagaccgt  | tcagcttaga  | cacatgaata  | cctactacct  | 2775900 |
| cctccaagggt | attctcattg  | ataattgtca  | gtttataact  | aaacttgata  | ttatgccaaa  | 2775960 |
| aagcttttac  | gcctcttctt  | gtcttttctc  | ttatcctttc  | tcttattcta  | ataatccttc  | 2776020 |
| cggtatgtca  | actttcagga  | ttctttgctt  | tttatccaaa  | tcgacaataa  | attcttcgtg  | 2776080 |
| agcaggaagt  | aacagtctct  | caccgtcctt  | ctctatcaca  | aataaaaatat | tcatacgtaga | 2776140 |
| atcgtcaaca  | gcaacaattt  | ctcccagatt  | tccatgatgt  | atgtcctcca  | cacggaatcc  | 2776200 |
| tgtaaagaag  | ttccacgaag  | taatttcttc  | ctggctatcc  | atataatttct | tcgggaaata  | 2776260 |
| aacctccaca  | ttcgtcagca  | tacgcgcacg  | ttcggcgagta | tcaattccct  | cgaacttcat  | 2776320 |
| caaagccacg  | tcatacggaa  | ggaaacgata  | ctcctctata  | aaaaacggta  | ccaatatttc  | 2776380 |
| gtccagcagc  | aaaaccaaata | aatcacaatc  | cacacggtcg  | aatatatcgt  | cggtaaagggt | 2776440 |
| aaaagaaacc  | tcccccttta  | ttccgtgagg  | cttggtgatt  | attcctatct  | tatatacttc  | 2776500 |
| ttcttttcta  | atcatacact  | tactctatac  | gggtaatac   | agcaccctaaa | gcagtcaggc  | 2776560 |
| gctgttcgat  | attctgatac  | ccccggtcta  | tctgttcaat  | gttatgaata  | cggctgatac  | 2776620 |



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| cacaaagaat  | aatctgcgca | cccatatcaa | tcaacttata  | aacaaagaac  | aaacgacttt  | 2776800 |
| cgaacatctt  | ctgatgtatc | aggacactac | cctttgcctg  | agtcgcaact  | acaagcatca  | 2776860 |
| cactcagcaa  | gtcgggtgtc | aatcccggcc | acggagcatc  | ggctatcgtc  | ataattgagc  | 2776920 |
| catcaataaa  | cgattcaatc | tcataatgat | cctgctgagg  | aataaaaaata | tcatcacccc  | 2776980 |
| gctgttccaa  | gcgaattcct | aaacggcgga | aactatccgg  | aataatacc   | agattatcgt  | 2777040 |
| atgatacatt  | tttaatcgta | atctcactgg | atgtcatggc  | agccataacc  | ataaagcttc  | 2777100 |
| ccacttcaat  | catatcaggc | aatacatggt | gcgtacaacc  | tttaaggctc  | ttcacccctt  | 2777160 |
| cgatagtcag  | cagattcgat | gcaatacccg | atatcttggc  | acccatacga  | ttcaacatct  | 2777220 |
| tacacaactg  | ttgcagataa | ggttcacacg | ccgcatgtga  | aatcgctcgtt | tttccttcag  | 2777280 |
| ccagcacagc  | cgccattacg | atattcgccg | tacctgtgac  | cgaagcctca  | tccagcagca  | 2777340 |
| tatatgtacc  | cttcaactga | ttggaagtga | ttgtgaaaac  | tcccttcgcc  | gtatcataat  | 2777400 |
| taaatgaagc  | ccctaatttc | tgaattccca | gaaaatgagt  | atccaaccgg  | cgacgaccaa  | 2777460 |
| tcttgtcacc  | tcccggtttg | gcaatcatag | cccttcggaa  | acgtgctacc  | aaaggcccta  | 2777520 |
| caagcatcac  | cgaaccacgt | aaacgtgagc | aacgggtaag  | gaactcctca  | ctttcaagat  | 2777580 |
| aagaaagggt  | cacatcatct | gcctgaaaag | aatacgtatc  | cacgctcttt  | ttagacactt  | 2777640 |
| tcacgcccac  | atcacgaagc | aactgaatca | ggttattcac  | atccaatata  | ttcgggatata | 2777700 |
| tactgattgt  | cacctcttcg | tcagtcaata | atgtagcaca  | aaccacctgc  | aagacttcat  | 2777760 |
| tcttcgcacc  | ctgcggagtg | atctcgccat | gcagtttata  | ccgccttcg   | attacaaatg  | 2777820 |
| atgccatagt  | accggttatt | taagattaat | attttctttt  | ttgctgatta  | ttgttattaa  | 2777880 |
| cctggcgacg  | gcgtggagta | aatgtacgct | gttcgaccag  | atgaaaatcg  | tctgccgaca  | 2777940 |
| gtttaatctt  | tcctcccgcg | agttcgca   | aatcatccaa  | aatcttctgg  | tcttcgactc  | 2778000 |
| catccttggt  | ccagttctga | taatccttct | tcatgtggtt  | ggctatcagc  | ttcagcaact  | 2778060 |
| gatttcggtc  | ttccccttcc | ggataatcga | tagcaatctt  | aatcatatcc  | tgaacaaaac  | 2778120 |
| gaccataatg  | gcgatagcgg | atattattct | gagaataagg  | gatacggctg  | ggctttacct  | 2778180 |
| ccagactttc  | ctttttcaca | atatccaccg | gataatcgat  | atcgagcttg  | aagtcggcca  | 2778240 |
| taatagccag  | atgatcccaa | agcttatgct | tgaagtcggc  | cacatcccgc  | aagtcgggaa  | 2778300 |
| acatgccgcc  | catgatattg | acaatcgat  | tggcacaacg  | ctggcggtct  | tcgcgggtct  | 2778360 |
| caatcgtcag  | tgcgtaatcc | accatgttct | gcacacttct  | cccatattcg  | ggaagaggta  | 2778420 |
| attttcggtg  | ttgggtatta | tattccatat | attattgcag  | attctttctt  | tttatgttta  | 2778480 |
| caaaagtttc  | ttaggagtag | aagccacaaa | ctctttcagg  | tagaaagggt  | caaaataagc  | 2778540 |
| cacatccttg  | aaatcttttt | cagccattgc | ccgttcggca  | agcgggaaca  | tccatttggc  | 2778600 |
| cagcggatga  | atattttcga | tgaatgtgc  | attcggatgc  | gttatcttct  | cacgacactt  | 2778660 |
| agccgccccg  | tttccgaaga | aatacactgg | atgctccgcc  | agaaattcgg  | agtatgaatt  | 2778720 |
| ttcatcgatg  | atatctgcac | tgatttcacg | ttttaccttc  | agtgcacggg  | cgtatatggc  | 2778780 |
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| cgaacccggt  | ccgcaactta | cagccacggc | atccaaagga  | atggcatgat  | tgtcgataaa  | 2779020 |
| cgataaaagcc | tcgtccacaa | agacacccaa | tactacagca  | tgtgaggggac | cgttaaagtc  | 2779080 |
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| agtttcaata  | tgtaaaatgc | acgacataaa | tttaattcctt | attatataga  | ctgcaaatat  | 2779200 |
| acacttttat  | ttgcactcac | ttcccattaa | gccagtgttt  | tttagaaccg  | ttaataaaaag | 2779260 |
| atgaaaagct  | ttggcgaaaa | acatcagcat | attttcagaa  | aaacatcagc  | acgttttcac  | 2779320 |
| aaaaacatca  | gcatgtttta | acgaaaacat | cagcacgttt  | tttatactca  | ttgacgaagt  | 2779380 |
| attcagtcgg  | tcagagaaaa | agttcttctc | tacttttcgg  | attcacagct  | ttttcctacc  | 2779440 |
| tttgcgggat  | aaaaaaacag | aatattatga | tacaatcaat  | gaccggatac  | ggcaaagcaa  | 2779500 |

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| ttattacca   | aacgctggag  | cgcggcaagg  | tggatttctg | tatctggatt  | gaaaaagatg  | 2779680 |
| tggccgaaac  | agccactccc  | attaatgctg  | cactggtaga | aaactattac  | aatcagataa  | 2779740 |
| aggctatttc  | agatagttgc  | catattcccg  | taccggaaga | ctggtttgcc  | actttgcttc  | 2779800 |
| gcatgccgga  | cgtactcacc  | cgtgtagaca  | tacaggaatt | atctgatgag  | gaatgggaag  | 2779860 |
| ttgccagcaa  | ggctattgaa  | gaagccttgc  | aacatttggg | agatttccgc  | atacaggaag  | 2779920 |
| gtgctgcatt  | ggaaaagaaa  | tttaccgaaa  | aggtagacaa | catagagcgt  | ttgctgaagt  | 2779980 |
| caatcgaacc  | gtatgaaaaa  | gaacgtgtag  | ccaagatacg | cgaacgtatc  | accgatgcac  | 2780040 |
| tggaaaaaac  | gatcagcgta  | gactatgaca  | agaatcgctt | ggaacaggaa  | ctgattttatt | 2780100 |
| atattgaaaa  | gctagatata  | aacgaagaga  | aacaacgtct | ggccaatcac  | ttgaaatact  | 2780160 |
| tccgcgaaac  | aatggctgga  | ggacacggac  | aaggcaagaa | gctgggattt  | atcgctcagg  | 2780220 |
| agatgggacg  | tgaaatcaat  | acgacaggca  | gcaagtcgaa | tcacgccgag  | atgcaaaaca  | 2780280 |
| tcgtggttca  | gatgaaagac  | gaactggaac  | aaatcaagga | acaagtttta  | aatgtaatgt  | 2780340 |
| aatattcaca  | tatagaggag  | cgaaaaagaa  | gaaaatcggg | tcattggtata | tcttcttttt  | 2780400 |
| tcgctcctcg  | tgttttttatt | ctaaattatg  | ggaaaactga | ttattttttt  | tgcgccgtca  | 2780460 |
| ggctcgggca  | aatctactat  | catcaattac  | ctgcttacc  | aaaacctgaa  | tctggcattt  | 2780520 |
| tctatttcgg  | caaccagccg  | tccgccacgc  | ggaacagaac | agaatggagt  | agaatatattt | 2780580 |
| ttccttactc  | ctgaagaatt  | taaacaacgc  | atcgccaaca | acgaatttct  | ggaatacgaa  | 2780640 |
| gaagtttaca  | ccgaccgttt  | ttatggaacc  | ctgaaagcac | aagtagaaaa  | gcaactggaa  | 2780700 |
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| tacggtgaac  | gtgccctgtc  | ggtattttatc | cagccacctt | ctgttgagga  | attgcgcaag  | 2780820 |
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| gaattcgaac  | tgagctatgc  | cgacaaattc  | gacgttgtaa | tagtaaacga  | tgacttggaa  | 2780940 |
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| cctcgccctt  | cgtatacggg  | cgatacgttg  | aaccgattag | cagaagctta  | tccagaaaga  | 2781480 |
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| gaagaaatta  | tacgcaaaca  | cgctgttatt  | gtataccctc | gtccgggtta  | cgatatacaa  | 2781600 |
| acagacgtac  | ttccgcctcg  | tgtaaaagta  | gtaaataccc | cccttcttga  | aatcagttca  | 2781660 |
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| ccaaaatctt  | cggcaagaaa  | aagaaaaagg  | ccaaaataga | acaaccggtg  | actccggtca  | 2781900 |
| acagaatgac  | aaacggactg  | aaaccttatg  | ccagcgttat | tacacctaaa  | gccaaaagtt  | 2781960 |
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| ctattctgaa  | ccgcgacatt  | ctgattgtaa  | accgtatcag | caaagcccca  | gcctcacttc  | 2782080 |
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| aagacggcat  | gtatcagtct  | gtactgaact  | ccaacattca | acctatcata  | gctagtttca  | 2782260 |
| atcttgagac  | tatgaaaaaa  | gattctctta  | gtcgtagcta | tgtaatcaac  | atcagtacct  | 2782320 |
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| tgccaacaag  | taattctcgc  | attccgctga | cttatgaact | gaatagttcc  | atggtgctgc | 2782560 |
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| ggcgtctgga  | acctaaagat  | gaagcagcct | acttacgcgg | agaacttggt  | gaacctaaga | 2782740 |
| agccgattgt  | aatttatatt  | gatccggcaa | ctcctaaaaa | atgggttcca  | tatctgatac | 2782800 |
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| ccttagaagc  | tccaactgac  | gatccttctt | ggagcttgga | agatgcccg   | cattcggcta | 2782920 |
| tcgtctataa  | accatccgat  | atacccaatg | ccagtggaac | acacatccac  | gatccgcgta | 2782980 |
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| atgaattgat  | gggacagctc  | atccgtttcg | tttcttccca | cgaagtagga  | catactttag | 2783160 |
| gacttcgcca  | caactttggt  | tcttcacata | ccgtaccagt | cgaagagttg  | cgcgacaaag | 2783220 |
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| acaaatgggtc | tatagaatgg  | ggctaccgat | ggttaccaca | gttccaaaaa  | ccagaagacg | 2783400 |
| aaatcgcttt  | ctctaaccag  | tccatcattg | aaaaactgaa | tgcagatgta  | cgctatacct | 2783460 |
| ttggaaccga  | atcggatgtc  | aacgaccgc  | gcaatcaaag | tgaagatttg  | ggcgacgatg | 2783520 |
| ctatgcttgc  | cagttcatac  | ggaatcaaga | acctgaaacg | tattgttcca  | cagatattga | 2783580 |
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| aatgcctcat  | cagcctgtc   | gacaagccag | aagctgccag | caaaaaatata | tcaggaaagc | 2784120 |
| gaccggcata  | ctccgaggcc  | cctgccatcg | cccacggaca | gttagtagaa  | ttaaaacggt | 2784180 |
| tgctcgccaa  | tgcagctgga  | atgacaagt  | gtacagccc  | aggtcactat  | caaaatctgg | 2784240 |
| ttacgctgat  | agacaatgca  | ctaaacgaca | aataaaaaat | acgaagggat  | aaaactttta | 2784300 |
| cacctcgccg  | aaagattact  | aatcatagcg | ataaaaagcc | gaagggtcgt  | atcaaactca | 2784360 |
| gtttttttga  | gtaatgatac  | gaccctttct | tttgcattta | ccaatgacta  | actcgcagct | 2784420 |
| taaaagtccc  | tctttactaa  | aaagaaggct | tgccccacta | agtctttatt  | tcacctccaa | 2784480 |
| cacaacaatc  | gatttagcag  | gaaggttaat | cttcaatccg | ttcttagtag  | tctttgcccc | 2784540 |
| tttaaaatct  | ttaggactaa  | ctacatctgg | atgctcaaac | gagttatagt  | catccacatt | 2784600 |
| cttcgcagtc  | agtatacgcc  | ctgaaaccga | ttgaacctgt | acgtcgttta  | aagacaaagt | 2784660 |
| tatatcctgc  | gattcctcca  | aatctacatt | cgacaaggaa | atatgaatta  | caccattctt | 2784720 |
| gtcgcgtgaa  | gccgtcgcac  | tgaccatagg | tacaatccgg | tcgtcacgta  | caatcttacg | 2784780 |
| ctcacactgc  | aaatccatcg  | gaagataagt | agcatcctga | tgcaccttat  | acatttcaaa | 2784840 |
| tacatggtaa  | gtcgggtgtca | gaaccatttt | atcgtctttg | gtcaaaatca  | tcgactgaag | 2784900 |
| tacattcgca  | atctgagcaa  | tattcgtcat | cttgatacga | tcggtatatt  | tatgaaatat | 2784960 |
| gtccaaaagt  | agtgcagcta  | caaaagcatc | gcgcaacgta | ttttgctgaa  | acaaatgtcc | 2785020 |
| aggtagcgtg  | cccggttctt  | catcccacca | agttcccat  | tcgtcaacaa  | tcagtccac  | 2785080 |
| acgtttctgc  | ggatcatatt  | tatccataat | agcaacatga | cgtttgatta  | catcctctat | 2785140 |
| ttcacgacat  | ttccccaatg  | tccagtaata | atcatcagtc | gagaaattag  | ttgccgaacc | 2785200 |
| tttactgccc  | gaccatccc   | aaactgtata | atagtgaat  | gaaagtcggt  | ccatcagcgg | 2785260 |

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|              |             |             |             |            |             |         |
|--------------|-------------|-------------|-------------|------------|-------------|---------|
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| aatcttatac   | aaacgatttc  | caccatagtt  | gcggcaataa  | gtctgatacc | gccgataaac  | 2785380 |
| gtctgcataa   | tattccggat  | acatgttgcc  | cccacatccc  | cagctttcat | taccaacacc  | 2785440 |
| tatatatttt   | actttccagg  | gcttttcgcg  | tccgttttcc  | ttacgcaact | ttgccatcgg  | 2785500 |
| actaccttgc   | tcggctgtca  | tatattctac  | ccatttggcc  | agttcttcta | ccgtaccact  | 2785560 |
| accacattg    | ccactgatat  | aaggctcaca  | gcccacattt  | tcacaaagat | tcaggaaactc | 2785620 |
| atgcgtagcg   | aaactgttat  | cttctaccgt  | tcctccccag  | ttattgttca | ccatcttcgg  | 2785680 |
| ccggttttcg   | catggtccga  | taccgtccat  | ccaatggtat  | tcgtcagcaa | agcaaccgcc  | 2785740 |
| cggccagcga   | agtacaggaa  | ctttaagatt  | tttcaaagct  | tccaatacat | ccgtacgata  | 2785800 |
| tcccttgaca   | ttaggaatag  | aagaatcctc  | tcctacccat  | aaaccgccat | aaatacatgt  | 2785860 |
| tcccaaatgt   | tcggcaaact  | gtccataaat  | ttctttgttg  | ataacttgcg | ttccttggtg  | 2785920 |
| cggatgaacc   | gtgaccattg  | ccttttgctg  | tgcaataaca  | ggccacacca | cacacaatgc  | 2785980 |
| cagccctaaa   | attgtgtttt  | tcatattttt  | ctttattatt  | taaattgtat | ctcactgctt  | 2786040 |
| ttcatataaa   | ggtgttttcc  | caacctttat  | ccagcaacaa  | aaataaatga | aaacattttca | 2786100 |
| ttaaaggaaa   | caatatgtta  | ccaattaata  | gcttatttgt  | tacctcccag | tttttcagag  | 2786160 |
| ctcaaaaaca   | tcttttaagc  | ataccccaa   | tatcattctc  | tgcacgctgc | ttacaaaaaa  | 2786220 |
| aggatgtgcc   | taagctttcg  | cccagacacat | cctttatact  | tacctaaaga | ttcatcaatc  | 2786280 |
| tatattatccc  | gatcaattat  | tcttgaatcc  | ataaccattg  | gtaatcttac | ccaatgaagt  | 2786340 |
| ttccaaaata   | gaactatgga  | acggtacgaa  | gtaaataggt  | gcttcaccat | ctacaaaacc  | 2786400 |
| acggaataca   | taatctgagt  | aatcagtttc  | attatcgacg  | atatctttac | cccagttaac  | 2786460 |
| catcttataa   | ccatcagctt  | ccaatgcttt  | tgcttctgca  | ctaccgggtt | cgatatgctt  | 2786520 |
| gaacaagcct   | tgaatagcca  | agttcgtacc  | cggattagcc  | ggatagattg | aattaccctg  | 2786580 |
| atatccttcc   | caatcatcaa  | aaacaccacg  | ccagcccgga  | tacattaccg | gatctgtttc  | 2786640 |
| atcgggtgcat  | tgagtgggtca | aacggtaacc  | atactgcgct  | ttagcatcca | cgctctttgt  | 2786700 |
| ccagatatatac | aatgaaatgg  | tatttccatt  | ttcgaaagtg  | taataacctt | tagtcttcaa  | 2786760 |
| tccgttcacc   | atttcagcca  | gatcagcttt  | caacttctta  | atggcttccg | gcaacttacc  | 2786820 |
| agtacgaatc   | aaatcgtaac  | gacgaagacc  | ttcaccacca  | aattccagtt | tacgttctctg | 2786880 |
| ctgaatagct   | tctttgacac  | cacccactt   | cgagatgaaa  | ccgtcaagat | tagccagttc  | 2786940 |
| aggagtgtgca  | aacgcacggt  | tatgtacttc  | cgacaaatac  | tgtttagcag | tcatctcgtc  | 2787000 |
| accagtttcg   | gcctttacct  | cggccaacat  | caggataaca  | tccgacatac | gtacaaacgg  | 2787060 |
| attattaata   | ccagactgac  | gctgtttttc  | ccagcgtggt  | gaaggctgtc | gattttcatc  | 2787120 |
| ccatttatta   | ttggcaatgc  | ctccgccatt  | agcctgtgaa  | cccggagtaa | acggtaacag  | 2787180 |
| cttttctaca   | ccattctttc  | catcagagcc  | tgttactgta  | caagttacat | cacgacgcat  | 2787240 |
| gtcgttcgga   | tcgaaatcac  | cataataata  | agtagggtgg  | aaacggctct | gaccatagtt  | 2787300 |
| cttacatgga   | tagttgtttg  | agctacctgc  | tgaacttgga  | cgtccgaaag | cataaggacg  | 2787360 |
| ttcactctgc   | acacctcttg  | tttcaggaat  | ttcataaata  | ctttcagaag | aaagaaccag  | 2787420 |
| atcgttggtc   | tgctggaata  | tgtactgata  | aggattacca  | aatgcctgac | cattggaacc  | 2787480 |
| aaccgaacga   | ggatcgactg  | tacacaatgc  | agctgtaccc  | ggatggtcta | cgcaattctg  | 2787540 |
| caaatacgtt   | tcggctattt  | cgtagaactt  | cttgtaatct  | gtacgtctgc | cgtaaaatgc  | 2787600 |
| attgtttgca   | tccaccgtat  | tcaatttttc  | aaaactcaac  | acattcccat | ccagatcttt  | 2787660 |
| ataaaaaatcg  | gaaccaggt   | cggtagcagc  | agtagaataa  | ccaccagcat | acaaacacat  | 2787720 |
| acgtccgcatc  | aaagcgtcta  | catagttacg  | agtcatacata | ctggcatcag | ccgtagccgt  | 2787780 |
| ttcacccaaa   | taatacatgt  | aaggttccac  | ctgaatcagt  | ttgttgatat | gatattcata  | 2787840 |
| aatctggtca   | cgtggagtca  | aaccttctgc  | taccacgccca | ggaaccaggt | tatgaggaac  | 2787900 |
| atccccccaa   | aaacgaagca  | attcattata  | agcagtcgca  | cgcaaggcaa | cagcctgtcc  | 2787960 |
| gtagaggtcg   | gtcatttcgg  | taaccgatcc  | cgttcccgcc  | tctatagctt | gataggtctc  | 2788020 |
| cgttccttca   | atagcgttac  | aaagtgtatt  | acatgtagca  | atgatgctat | acaatgccgg  | 2788080 |
| ccatgcattg   | ataccattat  | taccagccga  | gttgatatcg  | aaactggaag | ttccgccata  | 2788140 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| atacagattc  | tccgggatat  | gacgtgcctg  | tgcattcgtaa | ccttcaggat | gacgttccga  | 2788200 |
| atcggagcca  | cagactacca  | aatcgtaaaa  | caaaccgttg  | gcatgaacat | aggcttttgc  | 2788260 |
| acgccacttt  | tcataagctt  | ccattaaggc  | accacgagcc  | gtcgaaacat | ctccaaaaac  | 2788320 |
| aaactccgga  | gttgcttcag  | aagggtgaaga | cgtatccaga  | aaatcctcac | atgaagttat  | 2788380 |
| attgagcatt  | aaaagtccaa  | cacctaaata  | tgtatataat  | aactttttca | ttgtcttttc  | 2788440 |
| attgattagt  | taacagatta  | tttattagaa  | tgaaatgttt  | acaccaaagt | taaatgttct  | 2788500 |
| tgcacgagga  | taagtacat   | agtccatacc  | cagcaacgga  | tagtttcctg | tgtagcagc   | 2788560 |
| agttgtactc  | ttattcggat  | cggcattaac  | ttccggatcg  | ataccagaat | aacctgtgat  | 2788620 |
| agtaaacaag  | tttccagcag  | tagcataaat  | acgcgcacgc  | tgcatacca  | ttttctgagt  | 2788680 |
| ccatgctttc  | gggaatgtat  | atccaatggg  | caatgtattc  | aaacgcaaga | atgaagcatt  | 2788740 |
| ttcaacaaaa  | gtagacaata  | cagtaccgtt  | ttccatgtaa  | ggtacacat  | attttgcacc  | 2788800 |
| agcattcaat  | gcgtccaaag  | catctggatc  | tacaacagga  | accagttcac | cgttctgaat  | 2788860 |
| gtcatatatc  | tgatagcaat  | ctttgacaaa  | tgctagtttg  | ttggcaccag | caccggtatc  | 2788920 |
| cttattttcca | tacatgttta  | tcaaagagtt  | gacattgtaa  | acatgaccac | ctactgcca   | 2788980 |
| tgcaaatcct  | gcactgaaat  | cgatgttctt  | ccatgtcatg  | ttcaaattca | caccaccagt  | 2789040 |
| atgaggatga  | gcaattttctc | ccaaatcggg  | aacatcatcc  | gtatcggcta | caccattttcc | 2789100 |
| atccagatct  | cgcaacttga  | tagctcccgg  | aaatgccttt  | tgcccttccg | gcaaattata  | 2789160 |
| atgactagga  | tagttaccta  | cctgatttcc  | caagtcgggt  | acacctgggt | tcaacgtata  | 2789220 |
| catctgggtt  | gccggatcgt  | aattgaaatc  | ggctgttgta  | tagaaaccgt | cacagatata  | 2789280 |
| accacgaatc  | aagccaacag  | gctttccttc  | acggaactca  | tagtcgtaag | tcggagttgt  | 2789340 |
| agcactggaa  | gccactgag   | aaccgtattg  | tgcaatgata  | ttatcggcca | gttcatcaat  | 2789400 |
| gttattatgg  | ttatagttgt  | aagttgcaga  | aataccgaat  | gtaaaatctt | tagtacgaac  | 2789460 |
| aatatcgtag  | ttcaaagcga  | tttcaatacc  | cttattggaa  | gtctgtccga | tgttctgata  | 2789520 |
| ctgatatgaa  | taaccagtag  | tttcgtcgat  | aggaatacac  | atcagcaagt | ccttggtcgt  | 2789580 |
| attccaatat  | gcatcaatgg  | tacccgaaag  | gcgattgcc   | aagaagccga | aatccaaacc  | 2789640 |
| aatgttacgt  | gaaatgggtg  | tttcccattt  | taagtccgga  | ttagacaaca | taccatttgg  | 2789700 |
| cttgaaccg   | gaatagttct  | gaccgttgaa  | tgtaacagta  | gtagactccc | acgtttctct  | 2789760 |
| ccaaagactg  | gagtcaatgt  | tatcagcacc  | cgccatacca  | taagataaac | ggagtttcag  | 2789820 |
| gttatccaac  | cagttgcgag  | taccttccat  | aaatgcctca  | tcagaaatac | gccatgcaag  | 2789880 |
| tgcacctgcc  | gggaagtatc  | cccaacggtg  | attcggagcg  | aacttagaag | aaccatcggc  | 2789940 |
| acggaatgtc  | actgtaagca  | aataacgatc  | cagcaacgaa  | tagttagctc | gagcaaagaa  | 2790000 |
| tgaaacagtc  | ttgtcgggag  | taccgatcgt  | attgctgaat  | ttatcttttg | ccaaagtttt  | 2790060 |
| atcagtctgg  | tcaatcatal  | caaaggctcg  | gtcaaaatca  | aatccgtcag | gatatccgtg  | 2790120 |
| accttcaatt  | tctgtagaat  | tcgatttcga  | cagattgttt  | tcctgaccaa | acaggaacga  | 2790180 |
| caagtcatga  | tcgtcaccta  | atccctgaac  | ctgataattc  | aatgtattca | cgttacgcag  | 2790240 |
| gttatagcct  | tcgtacgag   | ttaaacttag  | caccttatgg  | ccttgtgtca | agccgttttc  | 2790300 |
| ataatacttg  | gtttcacccc  | agttacgtcc  | gccacctact  | tcggcacgca | atgtcaagcc  | 2790360 |
| gtcgattata  | tcccatgaaa  | gagcagcaat  | acctctcagt  | cgttgtttcc | ttgcaatatt  | 2790420 |
| ctgcatatcg  | ttcgtccagt  | cgactggagt  | accatagccc  | atatcaatat | tatcggcacc  | 2790480 |
| caaaccaaat  | ccaccgaaag  | cgtagcatc   | accagcgga   | ttatcaatcg | gacgccagcg  | 2790540 |
| ataagcacc   | gacagcaacg  | aacctttacc  | atttgtagac  | gattccttac | ctgtagtctg  | 2790600 |
| atcttccgaa  | tagcgaatat  | ccacatccag  | tttcaaattc  | ttcaacagct | cctgattcaa  | 2790660 |
| tttcaatgaa  | gtattgaaac  | ggttataacc  | cgaatttaatt | ttaatacctt | catcattcag  | 2790720 |
| atagttttaca | ttcaatacaa  | acttagtctt  | ctcgctacct  | cctgaaattg | aaagggttatg | 2790780 |
| cgtatgagca  | atcgcgttgc  | gcaacaaatc  | gtctgtccag  | tcgtgtacgc | ccacattagc  | 2790840 |
| ataatcagca  | taatggttac  | cataagcact  | gcctaaccg   | aaatactgag | caactccatc  | 2790900 |
| agcacttact  | gcaccaccgg  | ttctctccaa  | agcatcggca  | taagcccact | ggtattttcac | 2790960 |
| ataatcctgt  | gccccgagtg  | gctccaatgt  | tttcgcagca  | ctctttgtct | ggatatatcc  | 2791020 |

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|-------------|------------|-------------|-------------|-------------|-------------|---------|
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| gttcgcacca  | cgagcaccat | aatagcagt   | agacgacgca  | tccttcaata  | catcgataga  | 2791140 |
| ctcaatctgg  | tcggccggaa | catcagaaat  | agaacttacc  | ggaaaaccat  | cgacaataaa  | 2791200 |
| cagcgggtca  | ttgctctgcg | tgatagagcc  | tccaccacgc  | acacggatag  | aaacttccgc  | 2791260 |
| gcccggacga  | ccatcctgtg | aaacaaccga  | tacaccagcc  | agcttacctt  | gcaaagcctg  | 2791320 |
| agatacgtcg  | gaaaccggat | tagcgggtcaa | ggtttcatta  | tttacagatg  | atacagaacc  | 2791380 |
| ggtcaaatca  | cgtttcttta | ccgtaccata  | accgataaca  | acgacttcat  | ccaaggcctc  | 2791440 |
| ggtatcttct  | ttcaagataa | tattaaaaga  | agatttggtc  | ccaaccgcaa  | tagactggga  | 2791500 |
| tacataacct  | acataagtaa | cagtaagtac  | atcggaaatct | ttcacatcct  | gaatgacaaa  | 2791560 |
| ctttccgtca  | aaatctgtaa | tggttccggt  | agtagtacct  | tttaccaaca  | cattcacacc  | 2791620 |
| aatcataggt  | tcaccggcac | tatccttgat  | gataccagaa  | atgtgtttac  | cttgtgcaaa  | 2791680 |
| tgccagtaca  | cagagcatac | tcagcaaaaa  | tgtagaatac  | actcttttca  | aaagtagtag  | 2791740 |
| tctgttcata  | cgtgttttta | gttttagata  | ataaataagg  | ttaatatattc | tcatcgaatc  | 2791800 |
| acaacgtctc  | aaaattagaa | acataccatc  | gaatgaattg  | ataaaaagtg  | tttttttagt  | 2791860 |
| agtaaaaaatt | ggtttttaac | caaaatcagt  | ccttatgaag  | tattaccaga  | accacctcac  | 2791920 |
| tgggggtaaa  | caggcggata | tctttgcgcg  | acgtacctat  | cccgttactg  | ataatgacgg  | 2791980 |
| gaatcccctg  | gctattatgt | ttcagaccag  | taaggaaacg  | attaccatat  | tttgaaaaat  | 2792040 |
| gtgccggagt  | atatttacgg | aagaaactga  | cttgtcctcc  | atgtgtatgc  | cctgccagtg  | 2792100 |
| ccaagtcggt  | gttactgata | tccacatcct  | ctacataatc  | aggggtatga  | gtcagcatta  | 2792160 |
| cgacataatc  | ttctgcccgg | agagataagg  | tcggcgaaac  | cccgtttttt  | gtcaaatcaa  | 2792220 |
| acggattgcg  | aattccacaa | atcaaaaat   | actgatttcc  | tttccacaac  | gtatcaacct  | 2792280 |
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| gtacatcaaa  | taattccgac | agatttcccc  | cgttccgtcc  | ccgataatcg  | cctcctaata  | 2792460 |
| gcaggatatc  | ggcacgagta | gcctgtaagg  | ctttcaacaa  | ggcaggaagt  | cttttccggt  | 2792520 |
| cgaaacggct  | ttcataatga | aaatcggaag  | caaaggcaat  | ccggaatccg  | tcaaaagaat  | 2792580 |
| caggaagctg  | cttgctgtat | ataticgtatt | ttttgacacg  | ccctatccca  | tgatattttg  | 2792640 |
| acaaagaagc  | cgtagcgcac | gatgaaagca  | caatcgtgag  | tgcaagaacg  | ataaaaataaa | 2792700 |
| tcattttttt  | catgactata | ccacttgaat  | tttcaaacga  | aaataacact  | tttcctctgg  | 2792760 |
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| taaaacaaaa  | ctctacaaaa | gcctggttgc  | ttgccagccg  | tcccaaaacg  | ctgacagccg  | 2792880 |
| cctccattcc  | agtgatgctg | ggatgtgcac  | tggcctcaat  | gtacggacat  | tttcaactga  | 2792940 |
| ttcccgtat   | attgtgtttc | ttattcgcct  | ttctgatgca  | gataggcgca  | aactttatca  | 2793000 |
| atgatttgta  | tgattacctg | aaaggtagcg  | accgggaaga  | cagactggga  | ccggaacgtg  | 2793060 |
| cctgtgcaca  | aggctggatt | tcgccgtcgg  | gcatgaaaaa  | gggtatcgtc  | atcactactt  | 2793120 |
| tcttagcagc  | tttagacggc | ctctgcctgc  | tttggtacgg  | tggttgggaa  | atgattccgg  | 2793180 |
| taggcattgc  | ctgtattatt | tttgcctttc  | tatatacgac  | gggaccttat  | ccgctagctt  | 2793240 |
| accacggatg  | gggagacgta | ctagtgtctg  | ttttcttcgg  | attcgtaccc  | gtaggatgta  | 2793300 |
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| gcttgggtcat | cgataccttg | ctgatgggtca | ataatttccg  | cgacagagag  | caggatgcca  | 2793420 |
| tcagcggcaa  | gaaaacaatc | gtagtgcgat  | tgggtgcccg  | tgcaggactg  | attctgtatt  | 2793480 |
| tcctgctggg  | actggctgcc | tgctggagtt  | gtttttatatt | cgtaagcgaa  | ggcaggctgt  | 2793540 |
| gggcagctat  | cctgccgcag | atttatttgt  | tgctccatat  | ctttaccacc  | gtaaagatgg  | 2793600 |
| cacgcatcaa  | ccgcggcaag | gagcttaacg  | ccattttggg  | agaaacttcg  | cgaaacatgt  | 2793660 |
| tgctattcgg  | catactgctt | acagccggac  | tggtgattac  | cgtctgatga  | tcatttatct  | 2793720 |
| ttttacttta  | tgaacagtag | aatcaaggaa  | ctcgattttt  | tgaatgcat   | attcatcatt  | 2793780 |
| ctgatgatta  | ttttccacct | ggtatacatc  | ggcgactcgt  | acccgtatgc  | caagcaagtg  | 2793840 |
| gtttatacat  | ttcacatgtc | ggcattttctc | attatttcgg  | gttacttgaa  | caatataaac  | 2793900 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
| aaggaaacaa  | aggctgtcgg | taggagtctg | ctctggatat | tcattccgta  | tgtcatcatg  | 2793960 |
| gaagcaggct  | acgtggcat  | gtcggcagtt | ctccccgtgc | gggagaaggt  | agacgaactc  | 2794020 |
| tctgctgggg  | ttctgctgta | caaagcgctc | attgctccca | tggggccccta | ctggtatctg  | 2794080 |
| catacactga  | tactcagcaa | tgctagtatt | tttctaactt | ataaggtaac  | gaataagtgg  | 2794140 |
| aaaggcatca  | tccgttttat | catcttgga  | atatttctgt | atattctttc  | cgaactacgg  | 2794200 |
| ttattgacgt  | ttgccaatgc | catttacttc | ctggcaggag | tggctatccg  | gcaaagtggc  | 2794260 |
| cttcccatta  | tccgtgtgtt | tcagcccagc | tttctgtcgg | tagtccccct  | cgatcatctta | 2794320 |
| tgctgtttcc  | cggagaacct | gaaccgcggc | acactggctg | gtgtaaccat  | aacctatttg  | 2794380 |
| gtaatcagcc  | tgttgcttgc | cacatacact | tatttaccgg | aaaaagttaa  | aagactctct  | 2794440 |
| ctttatatag  | gcagcaacac | gctggtgatt | cttctttttt | caccctgtgt  | taccattttta | 2794500 |
| tcgaaagcct  | atctgccact | ttttgccttc | gatgcaacgg | gcattctgttt | tacgattgtc  | 2794560 |
| tcggtgattt  | tcgttatctg | cggatgtttc | gggatgacgt | atgtactcga  | ccgcctgcat  | 2794620 |
| atctcgcctt  | attttttagg | aaagaagcgg | atgcttcctc | cctatcctcc  | agccgactaa  | 2794680 |
| tcacgttcta  | tcagtacagt | ggcgtatgcc | gaaattcctt | cttcccagacc | ggtaaagccc  | 2794740 |
| agtttttcgg  | ttgtagtagc | ctttatcgac | acgtcttcgg | gatctatatt  | catgacatga  | 2794800 |
| gccagcactt  | cctgcatttc | gggtatgcga | gccttcagtt | tcggacgctc  | ggcacaaaacc | 2794860 |
| gtcgcacatga | tattgcctac | ccgataacct | ttcgtagcaa | tcagatcgac  | tgtacgtgcc  | 2794920 |
| agcagaatct  | tactgtcgat | acctttaaac | tcaccggcat | tgtcggggaa  | atgatagccg  | 2794980 |
| atatcacgca  | tgttggtgc  | tcccagcaac | gcatacacia | tggcatgaat  | caacacatcg  | 2795040 |
| gcacgcgaat  | gtcccaataa | tcccaattcg | tgtccagct  | tgatgcctcc  | cagccagagt  | 2795100 |
| tcacgtccaa  | cgaccagccg | atggacgtcg | aaaccaaadc | ctacacgtat  | tttcatctta  | 2795160 |
| cgtaaaaaatc | aagaactttt | tcgttttcca | aatatccttc | caggtgattg  | tttatctgta  | 2795220 |
| ccggaccac   | tcctaccggc | gtaccggtaa | acagcatgtc | accaatcttc  | agtgtacaga  | 2795280 |
| actggctgac  | gtatgcgata | atctgatcca | cacggaaaag | catgtcctgt  | gtattttccct | 2795340 |
| gctgcacagt  | ctttccgtca | atatccagat | ggaaattgat | atgctgaata  | tccgcaaact  | 2795400 |
| tctctacagg  | aaccagtcg  | cctatggcag | ccgagttatc | gaatcccttg  | cacaattccc  | 2795460 |
| aaggtttccc  | ttcggcacgg | aacttgcgct | gcaaatcgcg | tgcagtaaag  | tcgataccta  | 2795520 |
| ccgtaacggc  | atcgtaatag | cgatgtgcga | aacgctcgga | aatattcttt  | ccaaggcggt  | 2795580 |
| tgatacgtac  | caccagttcg | gtttcataat | ccacctgctg | gcagaaatca  | ggaataaaga  | 2795640 |
| atggcttgct  | gtccttcagc | aaggcagaat | ccggtttcat | aaagataacc  | ggctcttggt  | 2795700 |
| gcaatggctc  | gtctgcatgc | aattccttgc | aatgcaacgg | atagttcatg  | ccgatagcta  | 2795760 |
| taattttcat  | ggagaattta | tttctttatg | gtttcattca | aacgattgaa  | catcaccgcc  | 2795820 |
| agatgcgcat  | atagtgatgt | attctgtact | acaatgtttt | cgggaacccg  | aatacggaaa  | 2795880 |
| ggagtaaaat  | tccagatagc | cttgatgcct | cctgcaatca | tcttatcgga  | aatctcctgg  | 2795940 |
| gcaatggtaa  | tggggacagt | cagtacgccg | atgtttaccc | cgtcttggtt  | catgcgctgc  | 2796000 |
| tcaaaagtc   | cggaatgata | aataggaatt | ccgtttatct | ttgtacctac  | cagctccgga  | 2796060 |
| ttgatatcga  | aagcccctac | aatctgaagt | ccgaaatgcg | aaagacctga  | gtcgcgcagt  | 2796120 |
| aacgcccccc  | caggctacca | accccgaaaa | gatacgccct | gtgcatattg  | gtaaatccca  | 2796180 |
| gaaaatcctc  | aagtacctga | atcagcaagt | caatatcata | tcctacacgt  | gtacgtccgg  | 2796240 |
| caatatctac  | atacgaaagg | tctttggcaa | tctgtgaagc | gtcgatattg  | atctgcttgg  | 2796300 |
| atatctgtgt  | ggaagaaaca | tacttctccc | ctttctcttt | catcagcttt  | gcattcgaaa  | 2796360 |
| gataccacgg  | cagtctacgc | agggtaggct | ccggtatttt | atccgtattt  | ttacgagtac  | 2796420 |
| gtattgccat  | ttttcacgct | tctgtaaaat | tatgcctttt | gcaaaaattaa | gctattttatt | 2796480 |
| cggaaacgca  | cacagaatat | agaaaaatgt | acctatcttt | gagtcggatt  | aaaattaatt  | 2796540 |
| cacatgaaaa  | ataatgattg | gaaagaccga | ctgaacattg | tatattccac  | caatccggac  | 2796600 |
| tttcagtacg  | acaacggaga | agaggaagaa | gtggaaacgc | tggataagaa  | gcagcagaaa  | 2796660 |
| cttcgcgttt  | caatagagaa | aaaaggacgc | gggggaaaga | ccgtaactgt  | tataaccggc  | 2796720 |
| tttacgggca  | gcgaagaaga | cttgaaagaa | ctgggcaaac | tgctaaagac  | caaatgtggt  | 2796780 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| gtgggcggat  | cggtaaagga  | cggggaaatc | ctcattcagg  | gagagtttcg  | tcagcgcac   | 2796840 |
| atcgatttac  | tgaaagcgga  | aggttatagc | cagaccaa    | aacattccgc  | atatacctatt | 2796900 |
| tcggtatttc  | acatcactgc  | cagcaagact | cttgagtttt  | ttgtacaaat  | tctctgattt  | 2796960 |
| cttgataaaa  | ttttcaaaaa  | acgtcctgac | gttttttttcg | cagaataaccg | ttcttttaaaa | 2797020 |
| tgtttttctt  | tagacaaact  | gacaaaagat | aaaacccttt  | tatgactatc  | acgtgtgaag  | 2797080 |
| ggcgtgaagg  | gcataaaaagg | gtaatttttt | tattttaa    | agaggattta  | tagagaatca  | 2797140 |
| tatcaaaaa   | ttatttctca  | agaaacctcc | attatattgc  | gcacgtcatt  | gatgtattca  | 2797200 |
| accagcaaac  | aattgggata  | taataaaaa  | agccagccac  | ttccatcagg  | aagtcagctg  | 2797260 |
| gcttatctat  | tttataaatt  | attttctaca | aaacagtaga  | attattcagc  | acgcaaagt   | 2797320 |
| aagcgtttga  | agtctgtaat  | agccaattca | ggatcagcag  | ccttcaaaa   | atcagcaacg  | 2797380 |
| ctcttcttcg  | gttccataat  | gctttcctgg | ttcaacagac  | aaacttcttt  | caagaatttg  | 2797440 |
| cccagacgac  | ctttagcaat  | attttcaatc | atagcctgag  | gcaggtgagc  | agccttttca  | 2797500 |
| gcagctacag  | tttccttgat  | ttcttttagc | ttagctacat  | cttcagcagt  | aatccatccc  | 2797560 |
| ttagccatgt  | tgctttccat  | gtgctcctcg | ctatcaacat  | gagcaggatt  | gataccagct  | 2797620 |
| ttcttcaaa   | cagcttcaac  | agctttctgt | acctgttctg  | ctttagtctt  | ttcaatagcg  | 2797680 |
| acattgattt  | cttcttggtt  | tacagcttca | ggaacacctg  | cttcgtcgat  | tgcgatcggg  | 2797740 |
| ttcatagctg  | caatctgcat  | acagatttcg | tgagcaatct  | tttcgtcaca  | aactttattg  | 2797800 |
| aaagcaacaa  | ttgtacaaag  | ctgatttttg | ttcatgtggt  | tgtaaacagc  | tgtgcaagca  | 2797860 |
| ccagaaacga  | agaaatagcc  | atccaattca | gtcttttcac  | cagtgatacc  | gctacgttca  | 2797920 |
| acgatagcat  | cagcaattgt  | accgctacc  | atcggaagag  | cttttacttc  | atccaaagtc  | 2797980 |
| tgacatttgt  | tagcgattgc  | agcatccagg | atagcctgag  | tcaaagcaac  | gaaatctgca  | 2798040 |
| ttcttagcaa  | cgaagtgcag  | ttcacacttc | aaagcaatca  | ttgcagcata  | gtcaccagtt  | 2798100 |
| gattttgcca  | gtacacaacc  | ttctgaagtt | tcacggtcag  | aacgttttgc  | agcaacagcc  | 2798160 |
| tgtccttttt  | tacggataat  | ttccactgcc | ttgtcgaaat  | cgccttctga  | ttctgtcaaa  | 2798220 |
| gcgttttttac | agtccatcat  | accagctcca | gtcattttac  | ggagtttgg   | gatatacagcc | 2798280 |
| atacttacag  | ccatagtaat  | ttctttttta | ttgagttaat  | aaattaaatc  | tggtataaag  | 2798340 |
| caaatagag   | ttgagaacag  | agagttgaga | attgcctttt  | atagtaactc  | tcaactttca  | 2798400 |
| actctcaact  | ctcaccttaa  | agtataat   | gcttcttcgt  | ctttacccat  | gaaagcggca  | 2798460 |
| gcctttgcag  | cattgatagc  | ttcttcttct | gccttatcca  | tacgagcctt  | agtagctttc  | 2798520 |
| ttcttagcag  | ctttcggagc  | attttctcca | gcagcttcca  | tgtctacttt  | ttcagctttt  | 2798580 |
| ctttcttcca  | aaccttctgc  | cattgcagcg | cagcaagcat  | ccaagataac  | ttctacagac  | 2798640 |
| ttagtagcgt  | catcattagc  | aggaattacg | aaatctacgt  | ttgtaggatc  | tgagtttgta  | 2798700 |
| tcaacgatag  | caaatacagg  | gatacccaa  | cgattagctt  | cgcgaactgc  | gatgttttct  | 2798760 |
| ttcaatacgt  | ctacaacgaa  | caaagcagac | ggcagacgag  | tcaaatacagc | gatagagccc  | 2798820 |
| aagttctttt  | ccaacttagc  | acgctgacga | gaaatctgaa  | gaatttctct  | ctttgagagg  | 2798880 |
| tttgaataag  | taccatcggt  | agtcaactta | tcgatagtag  | ccattttctt  | gacagcctta  | 2798940 |
| cggatagtcg  | ggaagttagt  | caacatacca | ccgggccaac  | gctcgattac  | ataaggcatg  | 2799000 |
| tttacagaag  | cagctttctc  | agctactacc | tgttttgctt  | gttttttagt  | agcaacgaac  | 2799060 |
| aggactttct  | ttcctgattt  | tgcaatctgc | ttcaaagctt  | cagcagcttc  | atcaacttta  | 2799120 |
| gcaacggttt  | tgttcaggtc  | gatgatattg | attccgttgc  | gttccatgaa  | aatataagga  | 2799180 |
| gccattgcag  | ggttccactt  | tcttttaagg | tgtccgaagt  | ggcaaccagc  | ctccaataaa  | 2799240 |
| gtatcaaaa   | ttactcttga  | cattgttttt | aatcttttaa  | tcgtttactt  | tcttttttgt  | 2799300 |
| ttaattgaac  | caactgccgg  | gtagtttctc | cgcaaacact  | tgtagggaaa  | atcccgcagg  | 2799360 |
| tttagatact  | aaacgctttt  | ttagttgaga | gttgaaaagt  | gaaagtgtgaa | aaaaataagc  | 2799420 |
| aacttgtccg  | ttccaacatt  | ccaccaactc | ttaacgttta  | ctgaactgga  | atctacgacg  | 2799480 |
| tgctttcggg  | cgacccggtt  | ttttacgttc | aacagaacga  | ggatcacgag  | tcatgaagcc  | 2799540 |
| ttctgcacga  | agagtcttct  | tgtcttcggg | gttaatttta  | accagtgcgc  | gagcgatagc  | 2799600 |
| cagacgcaaa  | gcctgtgact  | gacctgtaaa | tccaccacca  | cacaagttaa  | ctttaatatc  | 2799660 |



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|             |             |            |             |            |              |         |
|-------------|-------------|------------|-------------|------------|--------------|---------|
| atatttttca  | gctacttcca  | gcttattcaa | aggctgtttt  | actacatact | gcagaatagt   | 2799720 |
| tgatggaaaag | tactgtgcaa  | ggtctctctt | gttaatagta  | atctttcctg | taccttcgct   | 2799780 |
| tacgaaaacg  | cgagcaactg  | cgcttttacg | tctgcctaata | gcatttacta | cttccattct   | 2799840 |
| ttattatttta | agtgtgttaa  | tatcaattac | tttcggagtc  | tgagcttcat | gtttgtgttc   | 2799900 |
| agcgccttca  | tatacataaa  | ggttgcccag | caacttagct  | cccagacgat | ttttcggaag   | 2799960 |
| catacctttt  | actactctct  | tcatcaattt | ttcagcgcca  | ttcggcttag | ccatcaagcg   | 2800020 |
| agccggagt   | atttcacgct  | gaccaccg   | ataaccggtg  | tagctcaagt | agattttatc   | 2800080 |
| attccacttg  | tttcctgtaa  | atttcacttt | gtctgcattg  | atgataataa | cgttatcacc   | 2800140 |
| gcagtctaca  | tgaggggtga  | agtttggttt | atacttacct  | ctcaacaact | ttgcaacttt   | 2800200 |
| agcaccgagg  | cgacctacca  | cctgatcggt | agcatcaact  | acgaccatt  | ctttcgtcgc   | 2800260 |
| agtttccttg  | tttgagaaaa  | tggtcttgta | acttaaagta  | tccactctta | aatctttttt   | 2800320 |
| aaaatgttaa  | ctactaaaaa  | acgattccta | gggctttatt  | cttcccggac | aaagaagatt   | 2800380 |
| aaagcattca  | gaattaaact  | tttatcacta | tttgataata  | atcggcttgc | aaaattactg   | 2800440 |
| cttttatccg  | aactgacaaa  | gattttaagt | atttttttct  | gctgtcaagg | ctctgactca   | 2800500 |
| cggctaatta  | gcgaacgata  | ttttccggat | aagcagaagg  | catcactact | cgtttccaaa   | 2800560 |
| tttcgtgaca  | ccatgaatca  | atcttattgc | catcacggtc  | tacagtcaga | taatattttca  | 2800620 |
| cgaacattaa  | gttaccatct  | tcctttaatt | caaagtgc    | atcattctta | tctccattca   | 2800680 |
| actgaggcaa  | atgcagggtc  | ttttccacat | attcagtata  | tacactttcg | gaattctgct   | 2800740 |
| tataagtccc  | atatccgata  | atgatagccc | cactctgc    | catcaccagg | ttagtgaaac   | 2800800 |
| gtccatcgtc  | agaaagaatt  | ttaagagaat | tacttggttt  | taactcgcct | acaacatccg   | 2800860 |
| gagagctgga  | acgatagaag  | cacatttgcc | acactccatt  | caatatcggt | ggagtttttt   | 2800920 |
| cctgaatact  | ctgagccaac  | atattcgttg | cacctaaaaa  | gaggcacacc | aaccaaaaga   | 2800980 |
| acaaaagaacg | tgttttcata  | acgaatgatt | ttaaaagggt  | aaacaaaaaa | cgagttgata   | 2801040 |
| tacaaatata  | taaaatat    | cttattaaaa | gttacaaatc  | ttgtttttat | tttatctttt   | 2801100 |
| tcaaaagaat  | ttcaagataa  | aaagattctc | catctactcc  | tttccttatt | tataatat     | 2801160 |
| aaaaaaggcg  | aacctccgat  | tagaagctcg | cctcgatata  | aatatgtatt | attgatttag   | 2801220 |
| aattcagcgt  | ttcgtggagt  | acgcgggaaa | ggaataacat  | cacgaatatt | agacataccc   | 2801280 |
| gtaacgaaca  | gcaacaaacg  | ttcgaatccc | aatccaaagc  | cagagtgagg | acatgaaccg   | 2801340 |
| tattttacgtg | tatcgagata  | ccaccacata | tctttcatcg  | gaatattcag | ttccttgata   | 2801400 |
| cgagtaagca  | acttatcata  | gtcggcttca | cgttcagaac  | caccaatgat | ttcaccgatt   | 2801460 |
| ttcgggaaga  | ggacatccat  | agcacgaaca | gtcttaccat  | cttcattctg | tttcatatag   | 2801520 |
| aatgccttaa  | tttctttcgg  | ataatcggtc | aagataacag  | gacgtttaaa | gtgatcttcc   | 2801580 |
| accagataac  | gttcgtgttc  | agaagccaag | tctacacccc  | aataaacagg | gaattcaaac   | 2801640 |
| ttatgacctt  | tggcaacggc  | atcttccaaa | atcttgatac  | cttccgtata | gggtaaacgt   | 2801700 |
| acaaattctt  | ctttcagaac  | accctgcaga | cgttcgatca  | attccttata | gaacatatcg   | 2801760 |
| ttcaggaatt  | tcacatcatc  | gtagcagtta | tcaagagccc  | attgaacaca | atatttaattg  | 2801820 |
| aactcttctg  | ccaagtccat  | attatcggtg | atatcattga  | aggctacttc | cggttcaatc   | 2801880 |
| atccagaact  | ctgccagggtg | acgtggagta | tttgaatttt  | cagcgcggaa | tgctcgggtcca | 2801940 |
| aaagtataga  | tagtcccaa   | agccgtagct | gccaatcac   | cttccaactg | acctgatata   | 2802000 |
| gtcaaaactgg | tctgttttcc  | aaagaaatcg | ttatcataaa  | taatcgatcc | attctcatcc   | 2802060 |
| ttcttcagat  | catacagatt  | catggtagta | acctgaaaca  | tctgaccggc | tccttcacag   | 2802120 |
| tcggaagctg  | tgataagcgg  | tgtatgaaaa | tagaagaatc  | cacgttcatg | gaagaacttg   | 2802180 |
| tgaatggcga  | tagccatatt  | atgacgaata | cggaaacacag | ctccaaaagt | attggtacgc   | 2802240 |
| ggacgcaagt  | gagcaatctc  | acgtaaaaat | tccatagagt  | gtcctttttt | ctgaagagga   | 2802300 |
| tatgtattgt  | cacaaacacc  | cagtacttcg | atttcacgag  | cctgaatttc | tgctgcctgt   | 2802360 |
| cctgatccta  | ctgattcaac  | cagttcgcca | ttcacactga  | tacatgctcc | ggtagtaatc   | 2802420 |
| tgcttcaaca  | tctcttcac   | gaagtttgcc | agatcgacaa  | ctacctgcac | attattttata  | 2802480 |
| gtagaacat   | cgttcaaggc  | aatgaagttt | acctgtttgc  | taccacggcg | agtacgtacc   | 2802540 |

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|             |            |             |            |             |             |         |
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| caccctttca  | cattgaccat | tgtcccga    | tcacggcact | tcaaaagatc  | aacaattttt  | 2802600 |
| gttctacgaa  | ttgtttccat | gttattttatt | tcattaacta | attactcaaa  | agatcccata  | 2802660 |
| cggagcatgt  | ttacttcctg | ctctgtcagg  | taacgccagt | cgccacggcg  | caagcccttc  | 2802720 |
| ttggtaagtc  | ctgcgaagta | tacacgatcc  | agcttaatta | cacgatagcc  | caatgcttcg  | 2802780 |
| aaaatacgac  | gaacaatacg | gttcttacct  | gaatgaattt | caatgcctac  | ctgcgactta  | 2802840 |
| tccgtatccg  | atgcatagct | gactgcatct  | gcatgaattt | caccatcatc  | caaagtaata  | 2802900 |
| ccggcaacta  | tctgatccaa | atcagcctta  | gttacattct | tatcgcaata  | aacatgatag  | 2802960 |
| atTTTTTct   | tcagatattt | cggatgtgtc  | agcttggaag | ccaggtcacc  | gtcatttgtc  | 2803020 |
| aacagcaaca  | cacctgtagt | attacgggcc  | agacgtccta | ccggataaat  | acgttccttg  | 2803080 |
| caagcaccct  | ttacaaaatc | catcacgggc  | ttacgttcct | gaggatcatc  | ggatgttgta  | 2803140 |
| acgcaatctt  | ttggcttatt | cagcaacaca  | tacaccttac | gctcgatatt  | gactggctgg  | 2803200 |
| tcgtggaact  | taatctcatc | agaacgctta  | actttcgtac | ctaactcagt  | aaccactacc  | 2803260 |
| ccatttaccg  | aaacaactcc | ggcagtaata  | aactcatcag | cttcacgtcg  | tgaacaaata  | 2803320 |
| ccagcatttg  | ccaagaactt | attcaagcgg  | atcggttcat | ccgggtcagt  | cagtatatcc  | 2803380 |
| ttatatctta  | tctgtctctt | catgctatac  | ttagcattcg | gattgtagtc  | ggctgtacgt  | 2803440 |
| ggacgataac  | cgctccctg  | ctgacgattg  | taaccaccct | gctggcctcc  | gttgttgaaa  | 2803500 |
| cgcgagcgtt  | gcgaacggaa | accgccttct  | ccctgctggg | cattattgaa  | acgcgggcga  | 2803560 |
| tacgaacgct  | gttctccacc | ttctccatta  | ttgttggtat | tataacgaga  | gttataggaa  | 2803620 |
| cgacgcggac  | gagcattatt | attaaagttc  | ggattatacg | aagaacgttc  | gcctccatta  | 2803680 |
| ttatcatatg  | acgggcgatt | gccatacgaa  | cgctgtggac | gatagccacc  | ttcaccctgc  | 2803740 |
| tgatcaccgt  | tattaaagcg | cggacgggtac | ggacgttggt | ctccaccttc  | tccattgtta  | 2803800 |
| ttattataac  | gagagctgta | agagcgctga  | ggacgttcac | ctccttcatt  | gtttgaggta  | 2803860 |
| aagcgcgac   | gacgtccata | gctgttacct  | ccctcattac | ggttgtatct  | gttataacct  | 2803920 |
| tctctgttgt  | aagacttgta | accatcgcg   | ccagactgag | tgTTTTTact  | atcctgtctg  | 2803980 |
| TTTTTctctt  | ctgccataat | tgTTTgtttc  | tatttataga | tttaataatta | cacccttctc  | 2804040 |
| gggctaaact  | ctTTTTtat  | attttacatt  | ccggtataat | tgtgcggagt  | aatcgcgcg   | 2804100 |
| aattctTTTT  | taatatcttc | actgacattc  | agtgtttcaa | taaactcttt  | aatagatgcc  | 2804160 |
| tcggtgatag  | cctgattggg | acgagttaat  | gctttcaagg | cttcgtaagg  | atgcggatat  | 2804220 |
| gcctcacggc  | gaagaattgt | ctgaatagct  | tcagctacca | cactccagca  | attatccaaa  | 2804280 |
| tcctcataaaa | TTTTatgttc | attcaacaac  | agcttgccaa | gtcctttcaa  | tgaactctga  | 2804340 |
| atagcaatca  | ctgtatgtcc | gaacggaacg  | ccaatattac | gcagaaccgt  | agaatcgggc  | 2804400 |
| aagtcacgct  | gcaaacgtga | tatcgggagt  | ttagaagaaa | gatgtgccag  | aacagcgttt  | 2804460 |
| gccataccca  | gattaccttc | tgcatTTTcg  | aagtcaatcg | gattcacctt  | atgtggcata  | 2804520 |
| gcgctcgagc  | caacttcgcc | agctttgatt  | ttctgcttga | agtattccat  | agagatatac  | 2804580 |
| tgccagaaat  | cacggttcat | atcaatcatg  | atcgtattga | tacgcttcat  | ggcatcgaat  | 2804640 |
| atggcaccaa  | gattatcata | gttggaatc   | tgagtagtat | attcttcgcg  | ttccagtccc  | 2804700 |
| agtttctctg  | caacgaactt | attaccgaaa  | gctttccagt | cgaattccgg  | atatgtctaca | 2804760 |
| tgatgagcat  | tataattacc | tgtagcgcct  | ccgaatttag | cagtaatagg  | acatgctttc  | 2804820 |
| aaaacagcca  | actgacgggt | cagacgggat  | acaaacacca | tgattttcctt | accagacga   | 2804880 |
| gtaggagaag  | caggctgtcc | gtgtgtcttt  | gccagcatcg | gaatatcttt  | ccattcttct  | 2804940 |
| gcatacgtag  | tcagctgggc | aatcagtttc  | tgaatctgcg | gataataaac  | ctcattcaat  | 2805000 |
| gcaccttga   | tagacaaagg | cacagaagta  | ttattgatat | cctgagaagt  | caggccaaaa  | 2805060 |
| tgaatgaatt  | ccttgtaatt | ttccagtcct  | cctaacttgt | cgaactgttc  | cttgataaaa  | 2805120 |
| tactcaacag  | cttttacatc | atggtttgta  | acactttcaa | tttccttgat  | gcgctgagca  | 2805180 |
| tctgtctccg  | aaaagttacg | atagatatca  | cgcaatgatt | cgaacgtgc   | cgaatcgaaa  | 2805240 |
| cttttcagct  | gcggcaacgg | caattcacac  | aaagttataa | aatattcaat  | ttcaaccgcg  | 2805300 |
| acacgatatt  | tcatcagtgc | aaactctgaa  | aaataagcag | ccagagcacc  | ggctttgctt  | 2805360 |
| ctgtatcgac  | cgtaaatagg | tgatatagct  | gtgagtaaat | caagctccat  | catgttttac  | 2805420 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| aaatactttt  | tgagtctata | taatgatcat | tattgagagt  | gcaaaggtaa  | tgttttttcc  | 2805480 |
| cgagttgaag  | ggagtaacat | agaaaacttt | agtattttatt | ttacaattat  | ttccgattga  | 2805540 |
| aagccaatag  | cggcacaaaa | gcaaccgaac | tatgttaatc  | ttgctaataa  | ttggaacaat  | 2805600 |
| gaaacgcaaa  | ataatgtaat | tttgcacccg | cataaaaaaa  | gaaacaatca  | ttatggaatt  | 2805660 |
| acctaaagat  | ccgatgatgc | tgttcagctt | catcaacatg  | aaattgcgtg  | atttctaccc  | 2805720 |
| ttctttggat  | gcactttgcc | aagacatgca | ggtcagcaaa  | gaagaaatcg  | taaacaaact  | 2805780 |
| gaaagccgta  | ggatttgaat | acaatcctga | acaaaacaaa  | ttctggtgat  | tattcatgtg  | 2805840 |
| aatatcacca  | gaatttgttt | ttatagctta | atcatataac  | cttcgcttac  | aacgatatac  | 2805900 |
| ttttctatac  | cctaagcggg | tcaagagtaa | tttacctcct  | attttccact  | aaaaggaaaa  | 2805960 |
| catttctcaa  | cgctcgacat | acagattccg | caaagataac  | aagcaagcag  | tttcaatgat  | 2806020 |
| gctcattttc  | gataaacaaa | ggaaacaaac | ctcaatctaa  | acactatcag  | cgatgtagcc  | 2806080 |
| aaagttctgg  | attcagtttt | tctgtctctt | tacgaagctg  | aaaatggagg  | actgtattac  | 2806140 |
| catctttatc  | tgtatttacc | ggaccaataa | tatcacgggc  | tttcaggaca  | ctaccttttt  | 2806200 |
| tcaccaatac  | cgacgacaag | ttacaatata | cagatatgta  | actaccgtga  | cggataagaa  | 2806260 |
| cattcgacag  | tccattatac | tggaagattg | ccgaaacttc  | cccatcaaat  | atggcacggg  | 2806320 |
| cttgagcgcc  | gtccttgcc  | tttatgtcga | ttcctttatt  | gtccagacgg  | acattccgca  | 2806380 |
| atccttttac  | ctgatactgt | ccaaaatgcc | caacaatcac  | atagggacct  | gttataggaa  | 2806440 |
| caggaagccg  | tcctttgttt | tgcgtaaaga | tgcttgataa  | ccggcgatcc  | tccgaatcaa  | 2806500 |
| ttttatattc  | gttcattttc | gaggagctg  | tctttaccgt  | accactactc  | tttttactgt  | 2806560 |
| ccccagcaac  | tgtttttttc | tcttcggcag | cctctgcctt  | ccgtttggcc  | tcagccttac  | 2806620 |
| gacgagcttc  | ctcttctgcc | ctcttgccgg | cgttctctat  | ttcaatcgca  | atcagccgat  | 2806680 |
| caatctgtgc  | attcaacttg | ttggcagagc | gacgtttcgc  | cgaaatttca  | gactgaatgc  | 2806740 |
| tccgttgttt  | cttctgcaaa | gaggcaagca | gcgtttttacg | ttcttttctcc | tgctctttcca | 2806800 |
| attttaaccg  | ttcagttctt | ccctgcttca | acatctcctc  | tttggcattt  | ttgctggcaa  | 2806860 |
| gcaatatttg  | ttgcttttct | gtaacctgtt | tttgcttacg  | ctccgcctga  | ataccttgta  | 2806920 |
| ggcgctgata  | gtcagcatac | tcacgaacat | accgcagccg  | ccggtacatc  | tggctcaagt  | 2806980 |
| tatcggcaga  | aaaaataaac | atcagttttt | cctgtatcga  | tttattgcca  | tacatatact  | 2807040 |
| ttaccgactg  | ctcatacttt | ttctttttat | ctgccagttc  | ccgctgcaaa  | gccttcagct  | 2807100 |
| ccagctgcag  | acgatcaacc | tctgcttgta | tgaccttgac  | atctttttca  | atcgtctcaa  | 2807160 |
| tatatttctt  | gcgttcatta | atctgtcctg | atagtaaagc  | taaattattc  | agctggcttt  | 2807220 |
| tcacatcctt  | cttagtcgac | tgcaacaatg | tttcggatgc  | ggaaatctgc  | ttctgcaact  | 2807280 |
| cagcatgctg  | cttttccagt | tcccgaatct | tacgtgtgct  | ctgcgcaaat  | ccttgtgcac  | 2807340 |
| aaagcagaca  | gaccaataac | aaccgaagta | attgtttcat  | tgtttcaaca  | aagtctttat  | 2807400 |
| cagttcctgc  | aattcaatct | gctgataacg | ggacgaaagc  | tgtgtccgtc  | cttcccaatc  | 2807460 |
| tccacctacc  | gacaaacggg | aaaacttcat | gtcaagcgta  | agaggtttgc  | ccgtcccttc  | 2807520 |
| tacagaaaagc | aacatgtgac | tgggaaacaa | acgattgtcc  | aacgtcgtaa  | aatcatcata  | 2807580 |
| tttccagtta  | agtgcatagg | gagtattcga | aaccccaata  | caactttctt  | ccagcaagcc  | 2807640 |
| acggctcggca | gaagtgcgga | aacaatagga | aagccctttg  | gctggctttg  | cttccagcaa  | 2807700 |
| gacacatcca  | ttttccagtg | aaatacggaa | agattttgca  | tcagagacat  | ccaactgcgc  | 2807760 |
| cttccctgga  | aggaacagct | cattcaaaaa | cagagactga  | agcacattaa  | aactcagttc  | 2807820 |
| tgtatttgcc  | agacgactaa | gttcctcaaa | tgaaccttg   | acatagcggt  | tattcagtcg  | 2807880 |
| gtcgacagcc  | aacaaccctt | cgggagtaat | ttccagacga  | gccacctcga  | taccagcaa   | 2807940 |
| cggagccaca  | tacaactgta | tagattctcc | tcttttcaag  | cgcaacgtag  | cactgacttt  | 2808000 |
| tgtatctttc  | tgaccgtcca | tgttcagagt | caatgccact  | tttccactaa  | ctgcctttcca | 2808060 |
| cgaaggcgaa  | agttctatga | ccttctccat | atacgctcc   | cctgtcagcc  | ctccaatcat  | 2808120 |
| agggtgcttt  | tccagttttc | gggtagacga | acacgaagct  | accagtacaa  | tagctaccag  | 2808180 |
| cacatacaga  | tatcgtatta | ccaatcttat | cattcggcta  | tatatttctt  | ttgagcaatc  | 2808240 |
| ttttgtttca  | agcgtttctt | ttctttttct | gtaggcggag  | tagaaccgtc  | ttcgggagtt  | 2808300 |

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| taatagatat  | ccccggcatg  | ctccactatg | gtccggcttt | tatctccctt | attacgcaaa  | 2808420 |
| gcctgttcaa  | tatagatacg  | tgcttcggta | tatcttccct | tttgaacaa  | aatccacgca  | 2808480 |
| taggtatcga  | gataagtttc  | attatctggc | tcagccttca | cggtagcata | actcatctct  | 2808540 |
| tctgccttat  | ccaaatcctt  | ccgttcaca  | gaaagaaaat | aagcataatt | attcagtgtg  | 2808600 |
| ccgatattgt  | ccggattgta  | caccaaagaa | gaatcataag | cagcatatgc | ctcagcatgc  | 2808660 |
| atttccttcg  | agtatacaa   | atcacccaat | attgcgtaga | aatcagacac | aacacccttg  | 2808720 |
| tcactttttt  | catttatctg  | cttcactcct | ttggtaaaga | catccagcgc | ctcatcggtc  | 2808780 |
| tctcctttct  | gatgataggc  | tattcccaga | taataataga | attcaagcga | ctccggattg  | 2808840 |
| tactccagtg  | caggcttcgc  | tatccgaatg | acatcatcga | gattattgtc | gcgtatggca  | 2808900 |
| taactcagca  | gctgaaggcg  | tgccggcttg | ttctccggat | cgagttccaa | tatctgatgc  | 2808960 |
| aatacaggaa  | cagcctcttt  | ctccattttc | tttgccagca | gatattgctc | acacaacatt  | 2809020 |
| gccagatcgg  | cattctgctg  | cggacgtttc | agaatgttct | gaaacagaga | aataacctgc  | 2809080 |
| gtgctatcct  | tggagccttg  | ctccgactga | aggataagct | gacgcataat | ttccatcttg  | 2809140 |
| gtatccgact  | gcacatcatc  | attcagtaaa | atcgtatcaa | gttgcgcttg | atataaacta  | 2809200 |
| tcttgtccag  | ttttctgata  | ataagaagcc | atcgagatca | aagccggagc | atatccgggc  | 2809260 |
| tcttctttca  | agatacgctg  | ataaacgcca | agtgttctct | gaggcttgtc | gttgttcaga  | 2809320 |
| tagacatctc  | ccaatattgt  | ctggtaacgc | atatcgtaag | gatattcttt | agacaagctt  | 2809380 |
| tctatctccg  | taaatgcttt  | ctcctgatca | cccaacagca | aaaacattcg | gaatttttcc  | 2809440 |
| ataactaatct | gttcggactt  | tccatccagt | tcctccagac | gattcaatgt | attgataacc  | 2809500 |
| tgctgataac  | ttttagtctg  | attatacaaa | tctatcaatg | acatcaacgg | ttctagacgt  | 2809560 |
| gaaggaaact  | gatcggccat  | attttcataa | accgcaattg | ctttaggcac | atcacgtttc  | 2809620 |
| cgctcatagt  | aagaagctaa  | tgtctgttta | taccagaaat | tagattcatc | agaaaacact  | 2809680 |
| gcctgtttta  | aagccagttc  | tccttttctt | tcctgaccca | gatacatata | aaactgcgag  | 2809740 |
| agttcataca  | aggcagcccc  | cgatgccgga | taaatatcca | ggcaatgctg | atacaactcg  | 2809800 |
| taagccgcat  | cgtaatcgcc  | tttttgcttc | atgcgtacag | cctcgagaaa | ataatagtcg  | 2809860 |
| tacttccgcc  | gttgctcagg  | agtaagcggg | tccttttgta | cgacaacctg | ctgatgcttc  | 2809920 |
| aacttggctc  | gtttgccgga  | agttccgcaa | gcaaccataa | ccaccatcac | acaggccgat  | 2809980 |
| atgatataaa  | tcaattttcg  | cataccgatg | atttttttta | taagcacgaa | cgatttctccg | 2810040 |
| ttattttact  | cccgtatgtc  | cgaagccacc | cgctccacgt | tcagtatctt | ccagcacttc  | 2810100 |
| cacttctctg  | cattcggcct  | gttcataacg | ggctatcacc | atctgcgcaa | tgcgttcccc  | 2810160 |
| gtcttctatc  | acgaaatctt  | cggtagaaag | gtttactaca | atcacgccta | tctcgccacg  | 2810220 |
| ataatcgga   | tcgattgtac  | ccggcgtatt | cagcaacggt | attccttttt | tcagagctag  | 2810280 |
| tccacttcgg  | ggcgctatct  | gtgcctcaaa | tccttcgggc | agggctatat | ataatccagt  | 2810340 |
| aggcacaaga  | caacgctgca  | acggtttcaa | tactatcggt | tcctccaggt | tcgcacgtaa  | 2810400 |
| atccatccct  | gccgagcagt  | ttgttgcata | ctggggcaat | gcagtgtttc | acttattgat  | 2810460 |
| aatctgtact  | ttcattttac  | ggttatttta | attgtgcaaa | gttaaacatt | tcgggggact  | 2810520 |
| tactatttat  | gtttaccatt  | ttttataaaa | acaaatcttt | tatcagacaa | aatctcccct  | 2810580 |
| ttttcccact  | aggctgtcag  | tttttcagc  | gattttacct | aagtttgcaa | aaaactgtaa  | 2810640 |
| ccaaccatga  | actggaacaa  | actcatatcg | aacaagcggt | tcggactgga | agctctgcat  | 2810700 |
| gaagtcagga  | aagaagacag  | aaccgagttt | cagcgcgact | acgaccgcct | gattttctcc  | 2810760 |
| gcacctttcc  | gccgcttgca  | gaataaaacc | caggttttcc | cgttgcccgg | aagcatcttc  | 2810820 |
| gtccacaatc  | gtctgacaca  | cagtctggag | gtttcctgtg | taggacgttc | actgggaaat  | 2810880 |
| gatgttgcca  | tacgcctttt  | acaaaagcat | ccggaactgt | cggattccca | cctgtcggaa  | 2810940 |
| atcgagacca  | ttgtttcggc  | tgctgtctg  | gcacacgatt | tgggcaatcc | ccctttcgga  | 2811000 |
| cattcgggcy  | aaaaagccat  | cggtagctat | ttctccgaag | gtaaaggact | tgcttgaag   | 2811060 |
| ccactgttat  | cgggaagccga | atgggaagac | ctgattcact | ttgaaggaaa | tgccaatgct  | 2811120 |
| ttccgcctgc  | tgactcatca  | atttcagggg | agacgaccgg | ggggattcgt | catgacgtat  | 2811180 |

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| gctaccctcg | cttctattgt | caaatatccg | tattcctcac  | aactggcggg  | aaagaaacag  | 2811240 |
| aaattcgggt | tttttcaaag | tgaggaagcc | gactacaaac  | ggattgcaga  | cgaattgggc  | 2811300 |
| attatcagac | tgagcaaaga | aaacgagccc | gcacgctacg  | cacgccatcc  | gctggtttac  | 2811360 |
| ctggtagaag | ccgccgacga | tatctgctac | cagatgatgg  | atatagaaga  | tgcccataaa  | 2811420 |
| ctgaaaatac | tgaccacaca | agaaaccaag | gagctgtact  | ttcagttttt  | tacggaagcc  | 2811480 |
| cgcaagaagc | gtattcacga | aatatgccag | ctggttacag  | ataccaacga  | acagatagct  | 2811540 |
| tatctgcgca | catctgccat | aggcgtgctg | atacaagcat  | gtacgcaagt  | ctttgtagac  | 2811600 |
| aatgaagaac | agattctttc | cggtagcttc | gaggggcccgc | tcatcaagca  | catggacgaa  | 2811660 |
| ccgatacggg | aagcatatgc | aaactgttca | aagacggcct  | tcgctaaaaat | ctactgttcg  | 2811720 |
| aaggacgtcc | tcgatataga | acttgccggg | taccagggtca | tcaccacctt  | aatcgacctg  | 2811780 |
| atgatagaag | ctgtacgata | ccccgacaag | gcttattcca  | agctgctcat  | caaccgtgtt  | 2811840 |
| tcgaaacaat | acgaggtaca | cgcacccacc | ttgtacggga  | aaatacaagc  | cgtactcgat  | 2811900 |
| tacatatcag | gcatgaccga | cgtatatgcg | ctcgatttat  | accgcaagat  | aaacggaaac  | 2811960 |
| agcctgccag | ctgtttaaaa | ccgcccgtaa | aaactcctta  | tacagacaaa  | gccagctcca  | 2812020 |
| tgctaacaat | cctttcggga | caaacgcaca | gagctggctt  | taaaattttt  | attcgtttat  | 2812080 |
| atcaatgcga | actttttgag | accaccggat | tagctcccga  | agttatctga  | agtgcctccg  | 2812140 |
| gatgttcctt | gatataggat | tcaatgtgac | gaatacgctt  | ctcttccaga  | atctcatcta  | 2812200 |
| cggaatcag  | gataccgggt | tcctccacat | cacaaaacc   | gtcgttgata  | gctgtaccaa  | 2812260 |
| acatacgcat | ggtaggcgac | aaactcatat | aagcatttac  | caaaggagga  | atattatacc  | 2812320 |
| ccaatttacg | aacttctgaa | ttcaaaactt | tataatcttc  | cttgaacgta  | tcgtagcaga  | 2812380 |
| acagtttctc | caaaacagct | ggatctgttt | caattttcaa  | cggaatcatc  | ggagtaatca  | 2812440 |
| aaccatcctt | gtcagaaaaa | tgcttcttca | gaaagaagag  | aatcatatca  | cgtccaaagc  | 2812500 |
| ggtttagct  | gggttacatc | gtcatcttgc | caaagaaata  | tttcacattc  | gacttgataa  | 2812560 |
| ccgtcaaggc | accagtcgg  | tcccacaaat | tatcgagagc  | aaaaagccct  | ttcgatcctg  | 2812620 |
| cccgggtaga | ctgatactcc | agtgttacaa | acgaacgtcc  | tagttcgatg  | gtagtaggaa  | 2812680 |
| gatattcctt | cagaaatttt | tctgaaaaat | taaacatgtg  | agcggttgcc  | agcacaggct  | 2812740 |
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| cttctgcac  | tgggttccat | acaatcaatt | gttggttaagg | atcttccatc  | aagtcatact  | 2812860 |
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| tatggctttt | attagtcgat | cttaatcgcc | tttcagcagt  | aagttccgac  | ttaagcaact  | 2813040 |
| ctctatcaac | aggtgcaata | atcttctcca | tatatgtaat  | aaaatcttcc  | taaattatag  | 2813100 |
| tttatagacc | acatctctga | cgtattcagc | ccactcagcc  | ggagatttg   | acttgtcgaa  | 2813160 |
| tgtatgccat | ggtataggct | ttccaatcgt | caccgaaat   | gttttatgcc  | ggttcttaaa  | 2813220 |
| catctcgtct | gccagataca | gcatggcgat | attgaacttt  | atacaaaaaa  | acttacaggc  | 2813280 |
| attggcaaga | ttgtagaaaa | aattagaatt | ccggccttca  | aatgtatag   | gcacgacata  | 2813340 |
| gcgctgggtt | tcaacactct | tggtaatgaa | cgtttttttc  | catgccagggt | cctttataac  | 2813400 |
| accatgctga | cgacgggagc | atatcccggc | gggaaacata  | atgatatggc  | tgctcggaacg | 2813460 |
| gaatccctct | tccaccatgc | gaggaaaatc | acgcgactgc  | gatccgggtct | tggtgatagg  | 2813520 |
| aatacagagc | ggagccagac | catgcagatt | catcagcaaa  | tcggtgacca  | gatacttgat  | 2813580 |
| gcgtccgtta | taatgtgtac | ccagcaaata | ccccagtga   | acaccgtcct  | gccacccag   | 2813640 |
| cggatgggtc | gatacaaatg | tgcaaagtcc | gtcttccggc  | aaattctcca  | gtccgtgcac  | 2813700 |
| atccagcttt | gcatccagaa | agtccatgca | tgcagccaga  | aatccactc   | cgcttttatc  | 2813760 |
| ccttacactc | ttcaggaaag | cgtttatctc | ttcctgatgc  | acgatatggt  | tcaggtaaga  | 2813820 |
| aacaaaaaaa | cgagggaatc | gtctggcttt | tttcccagcc  | ttctctttca  | agattttatc  | 2813880 |
| aatatctatt | aaaaaaatcg | aatcgctagc | cattattttca | ttctcacatt  | tctttgcaaa  | 2813940 |
| tgtaatctat | ctttcggaat | gttgctcatt | tatatcgaaa  | aatgtaaca   | tggaacactg  | 2814000 |
| aaaaaaagga | cacaacgaat | taaaatgtaa | cataattgca  | caatatagca  | atcggtatgtg | 2814060 |

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| ccttgacgtt  | cctgttgaaa  | tttgtacaaa  | ttctaatttt  | ttttgtacaa  | attttctcaa  | 2814180 |
| aacatagaga  | cgtttttttc  | caaatacgcc  | gacgtttttc  | aatatcggtc  | cggtattttca | 2814240 |
| caacaacgtc  | cttacctgtt  | gataacttcc  | ttaaataattt | tcattcaact  | ataccttcta  | 2814300 |
| attgttgaga  | aatatgtaat  | tttaccagct  | caatatatat  | aagggtgtaa  | accgattaaa  | 2814360 |
| gcaacagcat  | tataatgaac  | gaaacagaac  | agatttatca  | tataccggtg  | ctgctgaacg  | 2814420 |
| aaagcatcga  | cggcatgaac  | cttcatccgg  | caggcattta  | tgtagacatg  | acgtttggag  | 2814480 |
| gtggaggaca  | ctctaaagaa  | atcctgcgac  | gtatggatgc  | cgacagccac  | ctgtacagct  | 2814540 |
| tcgatcagga  | tgaagatgcc  | gaaaagaaca  | ttgtcgacga  | ctcgcggttc  | actttcgtac  | 2814600 |
| gaagcaactt  | ccgctacctt  | cataatttcc  | tccgctacta  | cggagtggag  | gaagtagatg  | 2814660 |
| ctatacttgc  | cgacttaggt  | gtatcatcgc  | atcacttcga  | cgactcgga   | cgtggtttct  | 2814720 |
| ccttccggtt  | cgacggtaat  | cttgacatgc  | gcatgaacaa  | gcgtgcagga  | atgacagctg  | 2814780 |
| ccgacatcgt  | aaacacttac  | gaggaagaac  | gactggctaa  | tgtattctac  | ttgtacggag  | 2814840 |
| aactgaaaaa  | cagccgcaag  | ctggcttctg  | ttctgggtcaa | ggcacgcact  | cagaagcagt  | 2814900 |
| ttgtcaccat  | cgggtgacttt | ctggaagtga  | taaagccctt  | gttcggcaga  | gaacgcgaaa  | 2814960 |
| agaaaagagct | cgccaaagtc  | tttcaggcac  | tgcgcataga  | ggtaaaccag  | gaaatggaag  | 2815020 |
| cgctgaagga  | aatgctttat  | gcagcaaccg  | aagcactgaa  | gccgggagga  | cgactgggta  | 2815080 |
| tcattacata  | ccattcgctg  | gaagaccgta  | tcgtaaaaaa  | ccttatcaag  | acgggcaacg  | 2815140 |
| tagaaggtaa  | ggtggaacag  | gatttttatg  | gtaacgtaca  | aagtcctttc  | cgtgcagtga  | 2815200 |
| acaacaaggt  | gattgtccct  | tcggacgagg  | aaatagcccg  | gaaccctcgg  | tcacggagtg  | 2815260 |
| caaaattacg  | aattgcagaa  | aaaaaatagt  | tcaaatcatg  | gagcagcaag  | atacaacatc  | 2815320 |
| acaacaacaa  | gactcttcac  | atattacgct  | gaagagcatt  | ctgggaggcg  | atattttggc  | 2815380 |
| ccacgacttt  | ttgagaaggc  | aggctaacct  | ccttattctg  | attgtcattc  | tgactatctt  | 2815440 |
| gtacattgac  | aaccgctatt  | ccagccagca  | agaattaatt  | gaaatagaca  | agctaaaaaa  | 2815500 |
| agaactgaca  | gacatcaaat  | acgatgcgct  | gaccatttcc  | tctgagctga  | cggaacgaag  | 2815560 |
| tcgccagtcg  | catatagaag  | aatatatagc  | aaccgagggg  | actccgctac  | aaacagcgac  | 2815620 |
| aactcctcca  | tacctgatta  | aaaaagaaga  | cgaaaagaaa  | tgatacccgg  | actgaaaaat  | 2815680 |
| atcatgctac  | gttacacgtt  | tatcgtagta  | attatgtttg  | tattggctgt  | actgattata  | 2815740 |
| gtcaaagcgg  | gatttatcat  | gtttgccgaa  | cgacaatact  | ggaaagatgt  | tgccgaccgt  | 2815800 |
| ttcgtgaaa   | aaaacgtagt  | tgtgcttcca  | actcgcgga   | acatcatttc  | ttccgacggg  | 2815860 |
| aaactgatgg  | caagcagtct  | gcccgaatac  | cgtatctaca  | tggatttccg  | tgccggagggt | 2815920 |
| gaggaaaaag  | acactatgct  | gatgaaccat  | ctgtcagaaa  | tcagccaggg  | acttcacgag  | 2815980 |
| atttttccag  | acaagagtgc  | acaagaattc  | cgcaagcatt  | tgttaaaagg  | gcgccgttct  | 2816040 |
| aaaagccgtc  | actacctgat  | ttaccctaaa  | cgaatctcat  | acattgagta  | taaggaagtg  | 2816100 |
| aaacgcctgc  | ctgtattcga  | actaagcccc  | aatagagggtg | gcctgcacgt  | ggaaacgttc  | 2816160 |
| aaccagcgta  | agaagccttt  | cggatcactg  | gctatgcgta  | cattaggaga  | tatgtaccct  | 2816220 |
| gatatgacac  | aaggagccaa  | aatgggtctg  | gaactgactt  | atgattctat  | cttaagggga  | 2816280 |
| cagaacggta  | tcacccatcg  | tcagaagggtg | atgaacaaat  | acctgaacat  | catagacaaa  | 2816340 |
| cctgccgtag  | atggtttgtga | cattatcacg  | acaattgatg  | ttgacatgca  | ggatattgcc  | 2816400 |
| gagaaagcac  | tggtcgacca  | gctgaaaact  | ttggaagcaa  | tatcggtgtg  | ggcagtagta  | 2816460 |
| atggaagtga  | aaactgggtga | agtgaagcgc  | aatgtaaata  | tgacacgtgc  | cagcgacggc  | 2816520 |
| aactattatg  | agatgcgaaa  | cgccgccgta  | agcaacctga  | tggaaaccggg | ttctactttc  | 2816580 |
| aagactgcct  | ctattatggt  | agccatggag  | gacaaatata  | tcactcccga  | ctatgagggtg | 2816640 |
| gataccggca  | acggaatggt  | caacatgtac  | ggtagctgga  | tgaaggactg  | gaactgggtac | 2816700 |
| aaagggtggct | atgggaaaat  | agacgtgacc  | aagattctgg  | aggtttcgtc  | gaatgtcggt  | 2816760 |
| gtatcaacca  | tcatcgataa  | gttctacaag  | aataatccac  | aaaaattcgt  | cgacgggctg  | 2816820 |
| aaacgaatga  | gtatcgatac  | tccattgcat  | ctgggtttcg  | taggagaagc  | cagtccgcgt  | 2816880 |
| atactcggac  | cgaaggaacg  | ttattttgcc  | aaaacaacct  | taccctggat  | gagtatcggt  | 2816940 |

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|             |             |            |             |            |             |         |
|-------------|-------------|------------|-------------|------------|-------------|---------|
| tacgaaacga  | tgattcctcc  | tatttatatt | ctgaacttct  | acaatgccat | cgctaacgac  | 2817000 |
| ggagtgatga  | tcaaaccgaa  | gtttgtaaag | gccatcgcca  | aggacggcga | aatactggag  | 2817060 |
| gaaatcccga  | cagaggttgt  | caatccgaaa | atctgttcgg  | atagcagcgt | gaccatgatc  | 2817120 |
| cgtaccatct  | tgcgcaaagt  | ggtatcgga  | ggtcttgcca  | agccggcagg | cagcaagcag  | 2817180 |
| ttcaatgtat  | cgggtaagac  | aggtacagcc | cagatttctc  | agggtaaagc | cggatataaa  | 2817240 |
| tctggagggtg | taagttatct  | ggttagtttc | tgtggatact  | tcccttcgga | agctccgaaa  | 2817300 |
| tacagctgca  | tcgtatcaat  | acagattccg | cacgggccgg  | catcgggagg | tttgcaggca  | 2817360 |
| ggaagcgtat  | tcagccgcat  | agccgaacgt | atctacgcca  | aacacttgta | ccgcgacctg  | 2817420 |
| gctcatgcta  | aagattcgac  | ggctgtactg | ataccggacg  | taaagaatgg | agatatcaag  | 2817480 |
| gagtcggcat  | acgtcctgcg  | cgccctgaat | ataccgggga  | acagcaatac | agtttccttat | 2817540 |
| tctacggaac  | cgttatgggg  | caaagcacia | tgtacgcaca  | gctatgccga | cctgaaaata  | 2817600 |
| agcaagccaa  | gcaagcatca  | gataccgaat | gtactgaaca  | tgggagcaaa | agatgcggtt  | 2817660 |
| tacttactgg  | aaagctacgg  | actgaaggta | cgacttatgg  | gactgggcaa | ggttaaggcc  | 2817720 |
| caaagtattc  | cggcagggttc | tccggttcgt | aaaggacaaa  | caattacatt | aacattgaag  | 2817780 |
| cattagaaat  | aacataaaaa  | catgaaactg | gaaaatatca  | ttaaattcgt | caatgtctgc  | 2817840 |
| gaaaccaaag  | gtacggtaga  | caaagaaatc | aaaggatttc  | agatggactc | tcgtctggta  | 2817900 |
| gaagccggac  | atttgtttgt  | tgccgtaaag | ggaactcaga  | ccgacggaca | tgcttatata  | 2817960 |
| gcaaaagcta  | tcgagaaagg  | agctactgcc | attgtgtgtg  | aaacactgcc | tgaagagttg  | 2818020 |
| aacgagaacg  | ttacttacgt  | tactgttgcc | gatacggag   | atgctgtagg | caagctggca  | 2818080 |
| actactttct  | atggcgaccc  | gacatcgaaa | ctcgatctgg  | tgggcgtgac | cggaacgaat  | 2818140 |
| ggaaaaacga  | ctatcgccac  | cttattatat | aatatgttcc  | gcaaattcag | atataaggta  | 2818200 |
| ggtttgttgt  | ccaccgtttg  | caactatata | gacggtgaag  | ccatcccga  | tgatcatact  | 2818260 |
| acccccgacc  | cgattacgtt  | gaaccgactg | ctgggacgta  | tggcagacga | aggttgtaaa  | 2818320 |
| tatgcgttta  | tggaggtcag  | ctcgcattct | atcgcacaga  | aacgtatcgg | aggattgaaa  | 2818380 |
| ttcgtaggag  | gtatctttac  | caatatcaca | cgcgaccatc  | tggattatca | taagactttc  | 2818440 |
| gagaattacc  | tgaaagctaa  | aaaggcattc | ttcgacggac  | tgcccaagac | agcctttgca  | 2818500 |
| ctgacgaacc  | tggatgataa  | aaatggcagt | gtcatggtac  | aaaacaccaa | ggcaaagggtg | 2818560 |
| gccacttatt  | ccctgcgtac  | actctgcgac | ttcaaggga   | aggtactgga | agacggattc  | 2818620 |
| gaaggtagtc  | tgatggacat  | aaacaatcgt | gaagtcaacg  | tacagtttat | cggacgtttc  | 2818680 |
| aacgcacgca  | acctgctggc  | tgtatatgga | gctgcgtgtc  | tgctgggcaa | gcagcctgaa  | 2818740 |
| gatgtattgc  | ttatactgag  | tactctccgt | ccggttgccg  | gacgctttga | tgcttgcgc   | 2818800 |
| tccaagagag  | gctatacggc  | tatagtcgat | tacgctcata  | ctcccgatgc | attgggtcaat | 2818860 |
| gttctgaacg  | ccatccatga  | agtattgaaa | ggacggggac  | gagttatcac | ggtggtaggt  | 2818920 |
| gccggtggca  | accgcgataa  | aggtaaacgt | ccgttgatgg  | ctcaggaatc | ggtcaagcaa  | 2818980 |
| agtgaccgcg  | ttatcatcac  | atccgataac | cctcgttttg  | agaacctca  | ggacattatc  | 2819040 |
| aacgatatgc  | tggcagggct  | gacaaaagag | gacatgacaa  | aggttctctc | catcgccgac  | 2819100 |
| cgtaaggaag  | ctatacgtac  | ggcttgtagt | ctggcacagg  | caggcgacgt | aattctgggt  | 2819160 |
| gctggaaaag  | gacatgaaaa  | ttatcaggaa | ataaaagggtg | taaaacacca | tttcgatgac  | 2819220 |
| aaggagggtat | taacagaaat  | ttttgctaac | gaataacaag  | aatacgacat | gttatattat  | 2819280 |
| ttattcaaat  | atttggaaaca | gcttgacttt | ccgggagcgc  | gtatgttcgg | ctatgtttcg  | 2819340 |
| ttccgctcgc  | tcatggctat  | cattctgtct | ttacttatat  | cagccatatt | tggagagtat  | 2819400 |
| ttcatcaagc  | tgctcaagaa  | aaagcaaatt | acggaaacac  | agcgtgatgc | ttcaatcgat  | 2819460 |
| ccgtttaatg  | taaataagggt | aggagtcctt | acgatggggg  | gaatcatcat | catcgttgcg  | 2819520 |
| gtactcatcc  | cctgcctcct  | gctgggtaag | ctgaacaata  | tctatatgat | actgatgctg  | 2819580 |
| attactacgg  | tatggctggg  | cagcctggga | tttgccgacg  | actatatcaa | agtctttcgt  | 2819640 |
| aaggataagg  | aaggactgca  | cggcaagttt | aagattatcg  | gacaggtggg | attgggattg  | 2819700 |
| attgtcggcc  | tgactcttta  | tctcagccc  | aacgtagtta  | tccgtgagaa | cgtggagatt  | 2819760 |
| cagaaagacg  | gccatgtggt  | agatgtggtg | cacaaaagtc  | aggatgagaa | atcaacccaa  | 2819820 |

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|-------------|-------------|-------------|------------|-------------|------------|---------|
| accactatcc  | ccttctttaa  | gaacaacaac  | ctggattatg | ccgactttgt  | aggatttctg | 2819880 |
| ggagaacatg  | cgcaaacagc  | cggctggatt  | gtctttgtgc | tggtacaac   | ctttgtggta | 2819940 |
| actgcggttt  | caaacggtgc  | caacctgaac  | gatggaatgg | atggcatggc  | ggccggaaac | 2820000 |
| tcagccatca  | tcggagtaac  | cctaggaata  | ctagcatatg | tatccagtca  | tatagagtat | 2820060 |
| gccagctacc  | tgaatatcat  | gtatatccg   | gggagtgagg | aactggtaat  | ctttatctgt | 2820120 |
| gccctcatcg  | gagccttgat  | tggttttctt  | tggtacaacg | ccttccccgc  | acaggttttc | 2820180 |
| atgggcgata  | caggtagtct  | gaccatcgga  | ggtatcattg | cagtatttgc  | aatcatcata | 2820240 |
| cataaagagt  | tggtgattcc  | tatatattgt  | ggagttttcc | ttgtagaaaa  | cctgtcgggt | 2820300 |
| atccttcagg  | taagatactt  | tagaagcggc  | aagaagaaag | ggcttaagcg  | ccgtatcttc | 2820360 |
| aagcgtacgc  | cgatacacga  | tcacttccgt  | acaaccttgt | cacagcttga  | cccgaattgt | 2820420 |
| acgtacctga  | ttacttctcc  | tacgagtgtg  | ttccatgaat | cgaagataac  | cgtccggttc | 2820480 |
| tggtattgtca | ctattgtatt  | agcagcaata  | acaattataa | ctttaagat   | aagataacgc | 2820540 |
| atcatggcaa  | aaagaattgt  | catttttagga | gctggcgaaa | gcggtgcggg  | agcagccgtg | 2820600 |
| ctggcacaga  | aaaaagggtt  | cgataccttt  | gtttctgaca | tgtctttgat  | aaaagacaaa | 2820660 |
| tacaagaaca  | tggtgaacga  | aagaggtatt  | cagtgggaag | aaggacatca  | cactgaagaa | 2820720 |
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| attctgaaac  | tgaaggaaca  | gggaaccctt  | attatttcag | aaattgaatt  | tgccggacga | 2820840 |
| tataccaatg  | ccaagatgat  | ttgtatcacc  | ggaagcaacg | gaaagacgac  | gactacttct | 2820900 |
| cttatttatc  | atatctttaa  | gaaagcgggg  | ttgaatgtcg | gactggctgg  | aaacatcgga | 2820960 |
| caaagcctag  | cttatcaggt  | ggcagaatgc  | aactacgatt | attacgtcat  | cgagctaagc | 2821020 |
| agcttccagt  | tggtataacat | gtataagttc  | catgccaaca | ttgctgtctt  | gatgaacatc | 2821080 |
| actcctgacc  | atctggatcg  | ttacgattac  | aagatgcaga | actatgtgga  | tgctaaattc | 2821140 |
| cgcatcatat  | agaaccagac  | agacaacgat  | gcttttatct | tctggaatga  | tgatcctgtc | 2821200 |
| atccaaaagg  | aattgcataa  | atatggaata  | cacggacgct | attatccttt  | cgccgaaaag | 2821260 |
| aaggaagaag  | gactggctgc  | tttcgtagag  | cagaataaag | tatacttcac  | caagccgatt | 2821320 |
| gaattcaaca  | tggtgagcga  | agaacttgcg  | ctgacaggta | cgcacaactt  | gttcaattca | 2821380 |
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| aagcttcatg  | cctttttcga  | cggattcggc  | ttaccatttg | ccgatgtcca  | gagcatgaaa | 2821740 |
| gatgcagtag  | acgctgctta  | ccacatggct  | aagaaaggag | aaaccgtact  | tctcagtcca | 2821800 |
| tgttgtgcca  | gcttcgactt  | gttcaagagt  | tacgaagacc | gtggtgaaca  | gtttaaagag | 2821860 |
| tgtgtgagaa  | acttataata  | aaaatatcct  | gggaaaatgg | atttgctaaa  | aaacttattc | 2821920 |
| aaagggtgaca | aagtaatttg  | gataatcttt  | ctattgcttt | gccttgtttc  | tattattgaa | 2821980 |
| gtattcagtg  | cttccagtag  | actgacttat  | aaaagcggag | atcactggaa  | gcctatcacc | 2822040 |
| atgcacatga  | tattgatggc  | ggtaggagtt  | gttgtagtac | tcattgcaca  | caatattcct | 2822100 |
| tgccgctggg  | ttaaaacatt  | cattgtattg  | ttgcctttat | cgtggctgat  | gctgatagct | 2822160 |
| gtattttataa | taggagcact  | gaccaatggg  | gcaaagcgct | ggattgattt  | aggaatcatc | 2822220 |
| cagtttcagc  | cttctgaagt  | tgccaaaatg  | gcaacaatta | tcaccgttgc  | gttcattttg | 2822280 |
| tcgaaaatgc  | aggaagaaaa  | gcaagcaaat  | ccaaaagcat | ttaaatacat  | tctgtgggtt | 2822340 |
| acatgcatca  | cctgcggact  | tattgtaaca  | gaaaaccttt | cgactgcagt  | tctgctggct | 2822400 |
| ggaagcggtt  | ttctaattgat | gtttataggc  | agagttcctt | tcaggcaatt  | aggaatgctt | 2822460 |
| gctggtatct  | gttgcgaggt  | tttagtatta  | tccatcgcta | caatcaaata  | tgtccctgct | 2822520 |
| gaagcatggg  | ataaagtggg  | acttcacgtg  | atggtaactt | ggcaaagccg  | tcttgataat | 2822580 |
| catttcaata  | cagcaactgt  | acctcctgaa  | aagtttgaca | ttgatgctga  | cgcacagatt | 2822640 |
| gctcatgcc   | acatagcaat  | agcaaccagc  | aacattcttg | gaaaagggtc  | aggaacaggt | 2822700 |



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|            |             |            |             |             |             |         |
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| gagctcggac | tgattggagg  | aggtgccgta | gcctttctct  | acatatggct  | attgatgaga  | 2822820 |
| atagggaana | tagcccggaa  | ctgcgataaa | tcatactatt  | cgtttttagt  | aatgggcata  | 2822880 |
| ggtatactac | tggttaactca | agctatgttc | aacatgctgg  | tagcagtcgg  | tattgtacct  | 2822940 |
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| tctattgcca | atgcaatcaa  | agaacagcat | cctgacaccg  | aaattctgtt  | tgctcggtgca | 2823420 |
| gaaggcgca  | tggaatgca   | gcgcgttcca | gccgcgggat  | ataaaataat  | aggtctgccc  | 2823480 |
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| cgcagccagt | taaaggcacg  | tcaaattatc | aaagatttta  | agccacatgc  | cgcagtagga  | 2823600 |
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| tgcaaaatat | gtgtcgccta  | cgaaggcatg | gaacgtttct  | tcgataaaga  | gaaaattatc  | 2823780 |
| ctcacaggta | atcctgtccg  | ccaggggctg | ctgaatcaca  | ccctcagtcg  | tgaagaagcc  | 2823840 |
| atccggctgt | tcggactaga  | cccacagaag | aaaaccatct  | tgattatcgg  | aggaagtctg  | 2823900 |
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| gtacagtta  | tctggcagac  | gggtaaattc | tatatcaatg  | aagcaaaaagc | ttgtgtggct  | 2824020 |
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| ttaagtacaa | acatcgctaa  | gctggctttt | aaagactctg  | caaacgttat  | agcgaacgaa  | 2824380 |
| gtctataaac | tggctgtcaa  | ttataaaaaa | gaacatgaac  | gttaatacat  | tgaagctgt   | 2824440 |
| ttattttatc | ggagcaggag  | gtataggaat | gagtgtctctg | gttcgttact  | ttttgtcgaa  | 2824500 |
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| agaggagca  | gctattcatt  | acgaagaaaa | cgtttctactc | atcccgacag  | attatctgaa  | 2824620 |
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| ttacttccgt | gaacatggat  | ttgaaatcca | gaaacgtgcc  | caggctcttg  | gtatgcttac  | 2824740 |
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| caaaaactat | ggtaccaatt  | tgctattatc | cgagaaaagt  | gaatatgtcg  | ttatagaggc  | 2824920 |
| cgatgagttc | gaccgttctt  | tccactggct | gactccgtat  | gcgacagtca  | tcacggctac  | 2824980 |
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| atatacttcc | ctgatacgtc  | cggagggtct | tcttatcatg  | aaaaaaggaa  | tagacctggt  | 2825100 |
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| ggctatggct | ctggcacaaa  | taggcggagc | tactcccga   | gagataaaaac | aggctatgcc  | 2825340 |
| cggattcaaa | ggcgtagacc  | gacgcttcga | cttcaagctg  | aagaatgatc  | atatcgcatt  | 2825400 |
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| gctttatccg | gacaaaaaga  | ttacggctat | tttccagcct  | cacttgtaca  | cacgtactcg  | 2825520 |
| cgacttctac | aaagattttg  | cagacagcct | gtcattgtct  | gacgaggtta  | tcttacttga  | 2825580 |

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|             |             |             |             |            |             |         |
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| acataagaaa  | atagaagtgc  | tcattacggt  | gggagccggt  | gatatagaaa | attatgttcc  | 2825760 |
| acaaatatac  | gaattactga  | aagacaaatg  | atgaaacgaa  | ttctcact   | ctgtgcttta  | 2825820 |
| gcattggtag  | cagcttatct  | tgtactggct  | gttaccacat  | tcaacagcaa | gcctgatgac  | 2825880 |
| agggtttgca  | agggatatga  | attgactggt  | aaagatagcg  | tcgactatgg | ttttgtcact  | 2825940 |
| caaaaggaga  | ttacaaatat  | tctgaaaagg  | aaaaagatag  | atcccgaagg | gaaagaactg  | 2826000 |
| gtaaacatca  | atgtccgcca  | gttggaataa  | gccctttcaa  | atcatccttt | cattgagcat  | 2826060 |
| gcagaatggt  | atctgacttc  | cggaggaaag  | gtcgccattg  | atatctatca | acgagtacct  | 2826120 |
| gtcatgcgag  | tgatgagcag  | caacggcgac  | gattactatc  | tggacaatgc | cgggaagata  | 2826180 |
| atgaatgctc  | caggcaaatc  | agtacatgta  | gtcgtagcaa  | ctggattcat | cgaccgcaag  | 2826240 |
| tttgcccaaa  | acgaattata  | tccattaggt  | aaattcttgc  | agggagataa | gttctgggag  | 2826300 |
| tcacagatag  | aacagataaa  | cgtaactccc  | aaacaagagc  | tgggaattgg | tccccgagta  | 2826360 |
| ggcgatcaca  | tactcttttt  | gggaaaacca  | ggcgattata  | aagaaaaatt | cagtaaattg  | 2826420 |
| caaacattct  | acaaaagcgc  | gctgaaccgg  | gtaggatgga  | acaagtacga | acggatcagc  | 2826480 |
| atagaattta  | acaatcagat  | tatttgtacc  | aaaaaggaga  | agtaagatat | ggcagcaaca  | 2826540 |
| gactttatag  | cagcaataga  | actgggatcg  | gcaaaaataa  | caggcattgc | aggaaagaag  | 2826600 |
| aatgcagatg  | gaagcattca  | ggttctcgct  | tatgccagtg  | aacgttcac  | cgattgtatc  | 2826660 |
| aagaaaggaa  | ctatctacaa  | tctggacaaa  | acgactcagt  | gcctcaccgc | agttatcagc  | 2826720 |
| caactggaag  | agacattaca  | cgcattccatc | aagaaggat   | atgtaggat  | cggaggacag  | 2826780 |
| tcggtaaaga  | gtattcgga   | tacagaaaca  | aaacaactga  | cggagaagaa | caaaatatcc  | 2826840 |
| caggctctga  | ttgatgccat  | gatggaaaat  | aaccgagaca  | ttgccctgat | ggatcaggag  | 2826900 |
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| gttggtatcc  | agacagaccg  | catagaagga  | aactttctga  | atatcatagg | ccgcaactcc  | 2827020 |
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| ctttctccac  | tggctacagc  | caatgcagta  | ctgaccggaa  | gcgagaaacg | ttccggatgt  | 2827140 |
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| tggaaccaga  | ttatcttatc  | tgaatacagc  | gacaagttac  | ttgccggaat | catcctgaca  | 2827500 |
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| aagatacgta  | ttgcccacaa  | cagtaacgtt  | gagctaagag  | gtgatattac | tattccacaa  | 2827620 |
| gatggcagca  | gcaacacctt  | gatcgggctc  | ttagctacag  | gcaaagacaa | ctgttgtaaa  | 2827680 |
| attgatcccc  | gcaaagggtca | tcaactggac  | tttatcgatg  | acttgcagaa | gaaagaggaa  | 2827740 |
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| gcacaaaagc  | gtttacacga  | ctgcgaaacc  | ctgattacgg  | aagcaaccgc | ccagatgaac  | 2827920 |
| cgcaagaaat  | acaaagatgc  | actggcgaaa  | ctggaacagg  | cacgcagcct | gaatgtgcag  | 2827980 |
| gaaaagggaag | aagaaattgc  | atccctgact  | gccgaaatag  | aaaaattgaa | agaagacaat  | 2828040 |
| ccgttcaaac  | gactaataaa  | tgcactcaag  | aacggagccg  | acgagatgat | gaaagattaa  | 2828100 |
| tattcaccgc  | ataaagaaaa  | ggaagaatta  | tgtctgacga  | aaaaattatg | ccattcgatt  | 2828160 |
| tccaaagtgg  | aacaccgagt  | atcattaaag  | ttatcgggtg  | aggcgggtgg | ggcggtaacg  | 2828220 |
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| ataatcaggc  | actcgatgaa  | tcgcctgtac  | ctattaaact  | tcagttggga | cacgaagggtc | 2828340 |
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| tcgacggtgt  | agaagaaatg  | agcaagcacg  | tagatgccct | gctggtaatc | aacaatgaac  | 2828640 |
| gcctgcgcga  | cgtgtattct  | gacctgagcg  | taatgaacgc | tttcggaaaa | gccgacgaca  | 2828700 |
| cactttctgt  | cgctgccaag  | agtattgccg  | aaatcattac | gatacgtggt | aagatcaacc  | 2828760 |
| tcgacttcaa  | cgatgtgaag  | accgtattga  | aagacggagg | tgtagccatc | atgagtaccg  | 2828820 |
| gatatggtga  | aggagaagga  | cgagtaacac  | aagccatcac | tgatgccctc | cattctccgt  | 2828880 |
| tactgaacaa  | caacgatatt  | ttcaactcga  | aaaagtttct | tttcaacatc | tcttacagca  | 2828940 |
| tgaacagcga  | cctgatgatg  | gaagaaatga  | acgaggtaca | cgagttcatg | agccgtttcg  | 2829000 |
| gaaaggatgt  | agaaaccaa   | tggggtttgt  | acattgacga | cagcctgggc | gaaaaagtga  | 2829060 |
| aatttactat  | tcttgctact  | ggattcggca  | tcaaagacgt | gccgggcatg | agcaacaagc  | 2829120 |
| tttctgccga  | agagcaaaag  | cgcctggaag  | aacaggaaga | agaagaacag | aaaaaggcag  | 2829180 |
| aacgccgtga  | cgacttctat  | ccgggcagct  | acaaaaacag | cagaaagaaa | ggaaactata  | 2829240 |
| aaatctatat  | cttcacacag  | gaagacctgg  | ataacgatga | tatcatcagc | atggtggaaa  | 2829300 |
| caaccccaac  | ctacaaacgc  | tcgaaggctg  | tactggaaag | catccagtcg | agagcggttg  | 2829360 |
| ccgaggaaaag | ttcgatgcct  | aagctggata  | acaatgacaa | cggttccatg | actattactt  | 2829420 |
| tctaagaccg  | ataaacaacc  | aataatttat  | aataacatac | gactatggac | ttatttgaac  | 2829480 |
| aaatcagcaa  | cgatattaaa  | gaggctatga  | aagccaagga | caaagtcaga | ctggaaactt  | 2829540 |
| tgcgtaacat  | aaagaaatgc  | tttctcgaag  | caaagacagc | tccgggtgca | aacgatacac  | 2829600 |
| tgactgacga  | tgacgctttg  | aaaatcatgc  | agaagctggt | aaaacaggga | aaagattctg  | 2829660 |
| cggctgtata  | cgaagggcaa  | ggacgtgccg  | acctggctga | agaagaaatg | gctcaggtac  | 2829720 |
| gcgtcatcga  | aacttacctt  | ccgaaacaac  | tttcggcaga | agagctggaa | gctaaactga  | 2829780 |
| aagaaatcat  | cgctcgtgta  | ggtgctacca  | gcggaaaaga | catgggtaag | gtgatgggcg  | 2829840 |
| ttgccagcaa  | ggaactggct  | ggtcttgccg  | aaggacgtgc | tatttctgca | aaagtaaaag  | 2829900 |
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| tgatgatgtt  | gccaaggctt  | atctgtccta  | ctgtaagaaa | agaaagagaa | aggcatcaag  | 2830800 |
| gacaaggatg  | ctcaagcgtc  | gtatgattag  | actccttgaa | aaactcctca | tgacgcggga  | 2830860 |
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| tgaccgcac   | gtcagcattg  | accgtcatta  | tgtacgtccc | atcgtaagag | gtaaggaaac  | 2831040 |
| gaaatccgtc  | gagttcgggtg | cgaaggtaaa  | caacatacag | atagacggca | tatcgttcat  | 2831100 |
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| taacgccaac  | aggaagttct  | gcacgaaata  | cggaatctcc | acgtccttcg | tacgcaaggg  | 2831280 |
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| tgccgtactg  | atgattgaca  | agatcaggaa  | caggacgggt  | aaagcggcat  | gatatgattt  | 2831520 |
| tactgacgga  | atcggaagag  | gtcatctggc  | ttcttcagaa  | gtgtcatgtc  | ctgacggata  | 2831580 |
| gaattatgtg  | agaatacatg  | gaaaaatgac  | aataaaaaat  | ggcatatgaa  | gatgatagac  | 2831640 |
| cataatcatt  | tcatatgcca  | tcttattttg  | gggacattta  | ctgaatatcc  | ctttttattc  | 2831700 |
| tatcttccgg  | atgcttccac  | ctccggcaac  | agatatggct  | ttctttccaa  | ttatccctgc  | 2831760 |
| tcgcctcttc  | cttcaagaaa  | cccgaacatt  | caatattttt  | tgtacaaaaa  | ctaaaaacgt  | 2831820 |
| ttgtacaaat  | tttcagaaaa  | catgcagacg  | ttttttgaaa  | gataaaaagg  | agaagtcacg  | 2831880 |
| aaaacagcct  | cagctccccta | ccctgatgcc  | aacaaccatt  | ttcaatcctc  | catcaaatct  | 2831940 |
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| tgcaaacgat  | aatattcatt  | gataatatcc  | agacaacggt  | tacgttccat  | ccggttcatg  | 2832060 |
| gcaaacaagt  | gcatcgtttc  | gtagttcata  | cgcacatgat  | tgcggatatg  | agaagcctct  | 2832120 |
| tccggacgga  | caaacatgcc  | gtgataaggc  | tgagagggtta | caaaacaggc  | attcaacaga  | 2832180 |
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| tgactgaat   | gcaccagata  | agcatacagc  | ggaatgttgg  | tcgtttcttc  | cttcaaggca  | 2832360 |
| cgataaagaa  | actctgccag  | aaacatggca  | atggccgact  | tataaggatc  | gtaaggcagg  | 2832420 |
| gaggtaaaaa  | tgtaccaagc  | tttcgcttcc  | ttgatgggat  | gaagccccga  | acgcggacga  | 2832480 |
| acatccgctt  | caaactccac  | caccgacaaa  | ggttgaaata  | acacctgctt  | caccgccgat  | 2832540 |
| ttgcgcgaac  | gctgagccgg  | cagaaggaaa  | gacatcctgc  | ccgactgctc  | ggtatatata  | 2832600 |
| tgtacgatat  | tcgccttgtc  | gctatattta  | accgtatgaa  | gtactatgcc  | tacgtatttt  | 2832660 |
| tgtaacataa  | cgcagcaaa   | atacacaaaa  | acaaagaaac  | ccctgcatga  | gaaatagatc  | 2832720 |
| aactatctcc  | atgcagggaa  | ttgcattacc  | tattaaaacg  | ataagagaga  | gaatccgtat  | 2832780 |
| taaaaaacat  | tgacatcagt  | cactccgggt  | agatactcat  | ccaatcgggt  | ctcaatatta  | 2832840 |
| caaatgtaac  | aagctctcct  | ttcgtacca   | aattcaatca  | gcatcggaat  | agtacaaaca  | 2832900 |
| atcgttttct  | taaactaaat  | gaacaaaaat  | cgtatctatc  | agaacaaaaa  | atacatacaa  | 2832960 |
| attcaggaac  | cagttctctt  | acaactacct  | acattcccta  | tttttttatt  | tcaaactacta | 2833020 |
| ctccaactga  | ttcagttctgc | aacattattc  | gataaaaaaa  | acactcctac  | accacgttgt  | 2833080 |
| gaatcataaa  | aaagaagtaa  | gaaaaacaaa  | aatgggaaca  | aagaagagta  | gtcaaacaga  | 2833140 |
| aaatttagcc  | agacactcag  | caaaaaaatc  | accgaaagtt  | ttgcaggaat  | gaaaaatctt  | 2833200 |
| catacctttg  | catccgcaat  | cgagagatat  | atatcctcga  | agagccagtc  | aggtttaatc  | 2833260 |
| ctgaatcgaa  | ggatggccc   | ttcgtctatc  | ggttaggacg  | caagattttc  | attcttgaaa  | 2833320 |
| ggggggttcg  | attccccac   | gggtacata   | ataaacaaaa  | tcacgaacaa  | tattaaagat  | 2833380 |
| tagtcgagat  | ggcaaatcac  | aatcatcta   | tcaaaagaat  | cagacaagaa  | gaaaagagaa  | 2833440 |
| gacttcacaa  | cagatattat  | gctaagacta  | tgcgtaacgc  | agtgaagaaa  | cttcgtgcaa  | 2833500 |
| ctactgacaa  | agcagaagct  | gtagctctgt  | tccctaacgt  | acagaaaaatg | ttggataagt  | 2833560 |
| tgggaaaacg  | taacattatc  | cacaagaaca  | aagctgctaa  | cttgaagtct  | aaattggctg  | 2833620 |
| ctcatatcag  | caaattggct  | taagtaattg  | ctcactttta  | ggatattaag  | gctggatcga  | 2833680 |
| aaggattcgg  | ccttttgtcg  | tttatagcta  | cggcttatga  | cattccttcc  | ctcctgctcg  | 2833740 |
| tgactaagcg  | aaaaaaatga  | agcctgtcag  | acctaaacgt  | aaacattcag  | gatatttgta  | 2833800 |
| agtccacctc  | cccttccggc  | caatgtgtca  | taccagacaa  | ctttaggcaa  | ccccaaattc  | 2833860 |
| caccaaacct  | caaccaacac  | gaaaaagctg  | cccagtaaaa  | cagagaatta  | cttctttcta  | 2833920 |
| aaaaaaaagca | ttatattgca  | atcgaaaaga  | aacatgcact  | ttccgagagg  | tttagcttat  | 2833980 |
| ccttcaaaag  | gacctgctaa  | aagcaaagac  | tcgaaaaagt  | tccgcaatcc  | atctttcgta  | 2834040 |
| tcaccgataa  | ataacctatg  | cttatgaaaa  | ccacagtttc  | tctccttctg  | cttgttacta  | 2834100 |
| ttcttctatt  | gggaagcgga  | tgcaaaaacca | caaacgttgc  | gactaaaaaa  | gtcagtcacg  | 2834160 |
| aacaagcaat  | gcaggcactg  | gaacaacacc  | ggttcaaaat  | cgtgatagaa  | gaaatctacg  | 2834220 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| acaaaagcac  | ttccagaaga | cgcccgaagc  | aacgattcgc  | atccgactgc  | tacttcagca  | 2834280 |
| tgcaaggcaa  | tgagctttct | tactacatct  | cacccgaaga  | tataggcagc  | cggacaaaaa  | 2834340 |
| gatctccccg  | gcatgaacac | ggactcacag  | ccacactctc  | taaaggagaa  | aaacaaaaga  | 2834400 |
| acggagacat  | ccattacgaa | ttgaaaacca  | atggagaagt  | taccggaatc  | tccaccatgc  | 2834460 |
| tgatcatcct  | ttacaaggac | accaaccgat  | gtttcgtccg  | actgaccaa   | agtttttttag | 2834520 |
| gcgccaacta  | taactttacg | ggatacatat  | taccccagta  | aagcatcccc  | tcaaccgtgg  | 2834580 |
| actgccgccg  | gacccaaaga | cgacggcagc  | ccgcgtcctg  | tctgccccga  | gaagaagcac  | 2834640 |
| ggagcttccc  | tatttcctgt | cccattttca  | agtttttttag | aaccataaac  | tcggttatgt  | 2834700 |
| cacgcttttt  | tagtaacttt | gaacacttaa  | aaaactagaa  | gtaaaaagag  | atgagtgaag  | 2834760 |
| aactgatacc  | aaacagcgga | agcaattact  | cggcaagcag  | tatccagggtg | ttggaaggac  | 2834820 |
| tggaagccgt  | acgtaaacgt | cccgccatgt  | atatcggcga  | tattagtga   | aagggattgc  | 2834880 |
| accatctggg  | gtacgaggta | gtagacaact  | ctatcgacga  | agccctggcc  | ggttattgta  | 2834940 |
| cccatataga  | agtaacaatc | aacgaagaca  | attcaatcac  | cgtacaggat  | aacggctcgtg | 2835000 |
| gtattcctgt  | tgatttccac | cagaaagaaa  | agaagtcggc  | actggaagtc  | gttatgaccg  | 2835060 |
| tactgcatgc  | cggaggtaaa | ttcgacaaag  | gtcctacaa   | agtatcagga  | ggtttgcacg  | 2835120 |
| gtgttggtgt  | atcgtgtgta | aacgctcttt  | ctacacacat  | gacgacaaac  | gtattccgaa  | 2835180 |
| acggaaaaagt | ctaccagcag | gaatacgctt  | gtggtaagcc  | gctttaccct  | gtaaaggaag  | 2835240 |
| taggaacgac  | cgacattacc | ggtacccgac  | agactttctg  | gcccgatgca  | agcattttca  | 2835300 |
| ccactaccga  | atataagtat | aatatccttc  | aggcacgtat  | gcgcgaactg  | gcatacctga  | 2835360 |
| acaaagggtat | taccatcacg | ctgaccgaca  | agcgcgaaaa  | ggaagaagat  | ggctcgttca  | 2835420 |
| aacaggaagt  | attccactcg | gaagaagggtg | taaaagagtt  | cgtccgtttc  | ctgaattcaa  | 2835480 |
| cgaacactcc  | gcttatcgac | gacgtgattt  | acctgaacac  | cgaaaagcag  | ggtattccta  | 2835540 |
| tcgaatgtgc  | catcatgtac | aatacaggat  | tccgcgagaa  | cctgcattcg  | tatgtcaata  | 2835600 |
| acatcaacac  | catagaaggt | ggtacgcacg  | aagccggatt  | ccgtatggcg  | ctgacacgtg  | 2835660 |
| tactgaagaa  | gtatgcggaa | gaaagcaagg  | cgctggaaaa  | ggcaaaggta  | gaaatctcgg  | 2835720 |
| gtgaggactt  | ccgcgaagga | ctgattgccg  | ttatctctgt  | aaaggtagcg  | gaacctcagt  | 2835780 |
| tcgaaggaca  | gaccaagacc | aaattaggta  | acaacgaagt  | gagcgggtcg  | gtcaatcaag  | 2835840 |
| ccgtggggcg  | agcactgaca | aactatctgg  | aagagcatcc  | gaaagaagcg  | aaagcgattg  | 2835900 |
| tcgacaaggt  | ggtacttgca | gcaacagctc  | gtatcgctgc  | ccgcaaggca  | cgcgaatcgg  | 2835960 |
| tacagcgcaa  | gagcccgatg | ggcggaggcg  | gtcttcccg   | aaaacttgcc  | gattgttcaa  | 2836020 |
| gccgtacgcc  | ggaagaatgt | gaactgttcc  | tcgtcgagg   | tgactcggca  | ggtgggttctg | 2836080 |
| ccaagcaagg  | acgcagccgc | cagttccagg  | ctatcctgcc  | gttgcgcggt  | aagatccttga | 2836140 |
| acgtagagaa  | agccatgtgg | cacaaggcat  | tcgaaagcga  | tgaagtcaac  | aacatcattc  | 2836200 |
| aggcactggg  | tgtgcgtttc | ggtgtagacg  | gaacagaaga  | cagcaagaaa  | gcgaacatcg  | 2836260 |
| acaagttgcg  | ttacaacaag | gtaatcatca  | tgaccgatgc  | cgatgtcgat  | ggttctcaca  | 2836320 |
| tcgacaccct  | gatcatgact | ttgttctacc  | ggtacatgcc  | tgaagtaatt  | cagggcggac  | 2836380 |
| atctttacat  | tgccaacccg | cctttgtaca  | aatgttcgaa  | aggtaaaatc  | agcgaatact  | 2836440 |
| gctataaccga | cgaagaacgt | caggctttca  | tgcagaaata  | tggcgacgga  | acagaaaacg  | 2836500 |
| gtattcacac  | acagcgttac | aaaggtttgg  | gtgaaatgaa  | tccggaacag  | ttgtgggaaa  | 2836560 |
| ctaccatgaa  | tccggaaacc | cgtattctga  | aacaggttaag | cattgaaaac  | gcagccgaag  | 2836620 |
| ccgactatat  | cttctccatg | ctgatgggtg  | atgacgttgc  | tccgcgccgt  | gaatttatcg  | 2836680 |
| agaaacatgc  | tacctacgca | aacattgatg  | cgtagtgcac  | ttttataaac  | tttaattttta | 2836740 |
| aaatccatcc  | tcgcatctta | caacgaggga  | agctccggaa  | actacttccg  | gagctttttt  | 2836800 |
| atttccgtca  | agtacctgcg | gaaccaaccg  | aaccgcctca  | tcggtttttca | ttccgtcttt  | 2836860 |
| cctttttgcc  | ctgcacagcc | gaaacaattc  | ataaaaaggat | acaccccgat  | ttgttccgaa  | 2836920 |
| taaaaattat  | gctggggaga | aaagagtttt  | cggttttatt  | cattactttt  | gaaaagacaa  | 2836980 |
| taaaactaat  | acttcgaaac | aaaatgaaac  | tgatattccg  | aatccaatac  | cgtacgttat  | 2837040 |
| ggggggaaga  | agtccgcac  | atcttcgatg  | aagacgaaag  | ccagtcgatt  | gccttgtcta  | 2837100 |

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|-------------|-------------|-------------|-------------|------------|-------------|---------|
| cccgcgacgg  | tatcgaatgg  | caaggcagtt  | gtgaatacca  | actgtcgcca | tgcgatactc  | 2837160 |
| ccctgacct   | ccgttacgcc  | atataccaga  | ataatgcatg  | taccgcgaag | gaactgggag  | 2837220 |
| cgattgctca  | catcatttat  | ccgggaaatg  | cccagcagag  | ctgttacatc | atagacgact  | 2837280 |
| gctggcgcg   | cctgccggaa  | cataactacc  | ggtacagttc  | tgcattcaac | aataaatatg  | 2837340 |
| ttcctgccgc  | tccggtacgc  | ctgaacgaca  | gtgtaggctg  | ttgcatcacg | tttcgtgcac  | 2837400 |
| tttgcccggg  | attaagcagt  | cagcagcagt  | cgctcggtat  | cataggcagt | tgcaatgcgc  | 2837460 |
| tgggcaactg  | ggaatattgt  | cgtcctctcc  | ggatgcgtga  | agtacgtccc | aacgtatggc  | 2837520 |
| agctcacggt  | agacgcttct  | tctctgaaat  | tcccgtttga  | atacaagttc | gtagctgtca  | 2837580 |
| gcaacaagac  | cggagccgta  | gtagaatggg  | aaacacggaa  | caaccgtatc | ttccacaccc  | 2837640 |
| aaccgctgca  | acgtggggaa  | acttactttc  | cggcagaaac  | ggaagtattc | ttccatacac  | 2837700 |
| cggaactgcy  | gggtgccgga  | tgtgctattc  | cggatattctc | tctccgctcg | gaaggcaatt  | 2837760 |
| tcggagtagg  | cgatttcggc  | gacctgaaga  | tgttcatcac  | atgggcttcc | gatacgaaac  | 2837820 |
| agaaggtgg   | acagattctg  | cccatcaatg  | atacgacgat  | gaccaatacg | tggatggatt  | 2837880 |
| catatccgta  | caacagcatc  | tctattttatg | ctttccaccc  | catgtacatc | gacctgcgac  | 2837940 |
| agctccctgc  | attgaaggat  | gaagcggaaa  | gcaaacgttt  | cgaagaagaa | cgtgtccgtc  | 2838000 |
| tgaacgccct  | cccacaagta  | gactatgaac  | aagtcaacca  | gttgaagagg | gagtatctga  | 2838060 |
| agctgatatt  | cgaacaagaa  | gccgacaata  | ttcttctactc | cgaagcattt | gaggatattct | 2838120 |
| tccgcgacaa  | caaagactgg  | ctcgtcccgt  | atgcagcata  | cagctacctg | cgcgacttat  | 2838180 |
| atcgtacatc  | cgattttaat  | tactggggcg  | actacagcaa  | gtacgacaag | gaagagattc  | 2838240 |
| tggagttatg  | taatccggaa  | aaggaagaat  | atccggaaat  | agccttttat | tattttctcc  | 2838300 |
| agtacgaact  | acacatacaa  | ctgcttgcca  | catccgatta  | tgcaagaagc | aaaggtgtca  | 2838360 |
| tcatcaaagg  | agatatacct  | atcggcatca  | gccgcaccag  | cgtagaagcg | tgggtggaac  | 2838420 |
| cgtattat    | caacatgaac  | ggacaggcag  | gtgctccgcc  | cgatgttttt | tctaccaatg  | 2838480 |
| gacagaactg  | gggtatgccc  | acttacaact  | gggatgtaat  | ggctaaagac | aactatagct  | 2838540 |
| gggtggcagaa | acgcttccgc  | aagatggcgg  | aatacttcac  | ggcttaccgt | atagaccata  | 2838600 |
| tcttaggctt  | cttccgcatc  | tgggaaatcc  | cgtatcattc  | gatacacggc | ctgctgggac  | 2838660 |
| agtttgtgcc  | ttcgcttccg  | atgagcaagg  | atgaaatata  | aagtttcgga | gtacctttcg  | 2838720 |
| accgtgaaac  | catgactcgc  | ccgttcacat  | acgaatatata | tctgaatact | atattcggag  | 2838780 |
| agcatagtga  | agaagtaaaa  | gaaacgtttg  | tcagacggct  | gcacacgac  | atttacgtca  | 2838840 |
| tgcgtccgga  | atttgataca  | caacggaagg  | tggaaagccta | ctttgccgac | aagacggatg  | 2838900 |
| ctgagagtca  | ggacataaag  | gaaaaacttt  | atgcactgat  | cagcgacgtg | ctctttattc  | 2838960 |
| ccgaccgtga  | caatccggaa  | atgtatcatc  | cgcaatcgc   | cgtgcagaat | gattatatct  | 2839020 |
| tcaagcaact  | gagggaaacag | gatcaggagg  | cattcaatca  | cctgtacaat | cattattact  | 2839080 |
| accagcgaca  | caatgagttc  | tggatcacg   | aagccatgaa  | gaaactacct | gtactgacgc  | 2839140 |
| aaagcacatc  | gatgctagtt  | tgtggagaag  | acctcggcat  | ggtgcccgc  | tgcgttccct  | 2839200 |
| gggtaatgaa  | ccagttgcag  | atattgtcgc  | tcgaaatcca  | gcgaatgcct | aagagtccgg  | 2839260 |
| cacacgaatt  | cggacaggta  | cacgaatatc  | ctttctactc  | tgtctgcacc | ataggtactc  | 2839320 |
| acgacatgtc  | aacgttccgc  | ggctgggtggg | agaagataaa  | ggaaaagacc | gaacgcttct  | 2839380 |
| accatcagga  | actgggacac  | tggggagagg  | tccccgaaca  | tgctccggca | tggctgtgcy  | 2839440 |
| aggaggttat  | acgccagcat  | ctggaaagcc  | cctccatgct  | gtgtattctg | acatggcaag  | 2839500 |
| actggacctc  | gatggacgat  | accctgcgca  | atccgaatat  | tgatattgag | cgcatcaata  | 2839560 |
| ttcctgccaa  | tcctcgtcat  | tactggcggt  | ggcgtatgca  | tatcaccttg | gaagaactga  | 2839620 |
| tgaacagga   | tgaattcaac  | gacaacatac  | gctccatgat  | tgaggaaagt | ggaagaagta  | 2839680 |
| tttcttcaga  | aaaggaaaag  | aacgaagaat  | aaaagaagaa  | taccgatata | agcatcggct  | 2839740 |
| acatgggtaa  | aaacgatatc  | gtaattccat  | ccgaaaaaag  | aacatctcct | acagataaaa  | 2839800 |
| agaaagaatc  | gtatcaccgc  | tcgaaaacag  | agcctgatac  | gattctttca | tcttttatag  | 2839860 |
| ttaacaaccc  | gtaacttttc  | aacaggattg  | tcaggagttt  | ggtgtgtctc | ctgtcactga  | 2839920 |
| attattcttt  | gattcggatc  | agcaggttgg  | caaggatagc  | cgtcaatcca | ccagttgtaa  | 2839980 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| tacccgaaga  | gaagatatta  | cgcaaagtgt | cgggcaactg  | acacaggatg  | tcggggacca  | 2840040 |
| gttccacact  | cagtccgaaa  | gaaaagctca | aagccatgac  | caacgtagcc  | ttacgggtcta | 2840100 |
| tctgctgtga  | ggcaatgata  | cgaataccgg | cagcggcaac  | tgtaccaaac  | atcaacaacg  | 2840160 |
| ttgcacctcc  | aagtacgggt  | tctggcatca | acgagaacac  | cagtcccaca  | gccgggaaca  | 2840220 |
| gtcccagtat  | aataaggaaa  | cctgcgataa | agtaacctac  | atagcggctt  | gccactccgg  | 2840280 |
| taagctgaat  | cataccgttg  | ttctgcgcaa | agatggaatt  | aggaaatgaa  | ttgaagaaac  | 2840340 |
| cggccagcat  | cgagttgaat  | ccatcggaac | gaatacctcc  | cgaagcacgt  | tttacgaaag  | 2840400 |
| tttctccttc  | taccgggtca  | ccggaaatca | gtgaattggc  | agtgatgtcc  | ccgtatgcct  | 2840460 |
| cgatagccgt  | aatcagatac  | actaatgcca | gaccgatgat  | tgaagaaata  | tcaaacgaaa  | 2840520 |
| tgccataacg  | gaaaggtata  | gggatattga | atccgccata  | actctgcaact | gccgaaaagt  | 2840580 |
| caaccatacc  | cagcgcccat  | gccgtaatat | atccaatcac  | cagcccagata | acgatagaac  | 2840640 |
| tcatacgag   | ataacgggta  | gaactacggg | tgaaaataat  | aatcagaacc  | aataccagtg  | 2840700 |
| cggcaagtcc  | cacatgctgt  | atggcaccaa | acgttccatt  | tgcttgagca  | acggcaccac  | 2840760 |
| ctccacaagc  | agaaatacct  | accttaatca | gactcatacc  | gataagcgta  | acgacaatac  | 2840820 |
| ccgaaaccag  | cggagtaatg  | atacggcggg | tatacttcaa  | tacacggcta  | atcaacattt  | 2840880 |
| ctacagaaga  | cgctacgata  | catgcgccaa | aaatagtaga  | aagtcctccc  | gtcagtccgg  | 2840940 |
| ccgaaataat  | agggccgata  | aacgagaaac | tggttccttg  | aatacagagc  | agtcgcgaac  | 2841000 |
| cgacagggcc  | taccctacga  | cattggataa | aagtagagat  | acccgacgca  | aacaaagcca  | 2841060 |
| tcgaaaccag  | aaagccagtt  | gtttccaaat | cgagtttcaa  | cgcgccggca  | atgatcagcg  | 2841120 |
| gaggagtaat  | gatggctaca  | aaaatagcca | gcaaatgctg  | taaagcggca  | aaaatcgttt  | 2841180 |
| ctttcacagg  | cggacgggtca | ttcagtcctg | aaatcagccc  | cgcacccgga  | gccacagtct  | 2841240 |
| gttctttttc  | cattaaaact  | aatactaact | tatttgatgg  | tgaaaaataa  | aaaaatgaag  | 2841300 |
| aaaccatgtt  | gttgcaaaca  | atcatcgttt | cttcattttt  | cccaattact  | cttttatctt  | 2841360 |
| aatttcacag  | tgatccaggc  | tttcaatgat | agccagcgac  | tcgacatgaa  | taccttgcg   | 2841420 |
| acgcaagtaa  | tcacctccat  | gctggaatga | cttctcaatc  | aggaatccca  | taccaaccag  | 2841480 |
| ttcggctcca  | gctttctgta  | ccaggtcgat | aattcctttt  | gctgcattac  | cgtttgcaag  | 2841540 |
| gaaatcgctg  | atgaacaata  | ccttatctcc | cggacacaaa  | tagtcgctgc  | tgacacacac  | 2841600 |
| ttcgtacgaa  | cggtccttcg  | taaacgaata | gacggtagta  | gtcagcatat  | tttccattgt  | 2841660 |
| actaggtttc  | ttcttttttag | caaagacaac | cgggaagtca  | agtaagtatc  | ccaccataat  | 2841720 |
| ggccggagca  | ataccactcg  | cttcaatagt | cattacttta  | ttgatttttg  | tactggcaaa  | 2841780 |
| acggcgtagc  | aactccaccg  | ccatcgattt | catcagaatc  | gggtccatct  | gatgattaat  | 2841840 |
| aaagttatca  | acttttaata  | ttcctccctc | aaaacattta  | ccatcgcgca  | agatacgttc  | 2841900 |
| cttgagtggc  | ttcatatacc  | aaaaagagct | ttaattgttt  | tatatgttaa  | atattctgca  | 2841960 |
| aagttatacg  | tttttatcct  | atttccggca | atgcttgagg  | gagagatatt  | tgttaaaacc  | 2842020 |
| gaaaattatt  | catctttcgg  | tacatcattt | acaataatat  | cttctgtttc  | tccctctgtc  | 2842080 |
| tgccagtcgg  | aaacttcact  | tccttcaata | atcagacttt  | ctttttctat  | ttttatctta  | 2842140 |
| tatttataac  | aattacctcc  | gactaaatgt | cctttcattg  | cctcagtata  | agcctgataa  | 2842200 |
| gcaattccgt  | cgcgttcata  | cgtaatcgag | aatttcaatg  | ttccatctgc  | ttccgtagga  | 2842260 |
| ttcagcaata  | ccgcaatgga  | ataaccttcc | tgaggaaatga | tagtcccttc  | cgctcccatc  | 2842320 |
| tccagcaaaa  | gattgtcagc  | ttccggtgct | tctgctaccg  | gctgcatctg  | tttttctgta  | 2842380 |
| aaatcatacg  | tatgtttcga  | taaaatgcct | ttcccttcaa  | aagccaccgt  | cttgagggtc  | 2842440 |
| gtttcggcgt  | ccttctcatt  | ctttaccaga | gtaaccatta  | ctaaactata  | aatatgtctg  | 2842500 |
| aaagctgcct  | catcggtaaa  | cgaactttta | ccggcattag  | tctgataact  | acagggtctt  | 2842560 |
| ttggctacca  | gaaaatcata  | ttttccgata | tgctccagtt  | ctccatcctg  | agtactcaag  | 2842620 |
| tcaggcatcg  | gaatgcttgt  | tcgttcggct | tcctctgcat  | acggataaaa  | agcacaaaag  | 2842680 |
| ctataatcat  | gtttctgatc  | gggccagaac | aaaggtaccg  | atggctgcca  | ggagctttcc  | 2842740 |
| cccaatgtcc  | ataatacggc  | attcgtttct | tctggcataa  | aaagcccgat  | tttatcgctt  | 2842800 |
| tgacacaaaag | ttgtatgccc  | atcttctgta | gtagacgtac  | gtgaaaaaat  | ctctccagcg  | 2842860 |

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|             |            |             |            |            |             |         |
|-------------|------------|-------------|------------|------------|-------------|---------|
| atagaagcct  | gcaaacctaa | agcaagatta  | tcggttgaaa | tctcttctga | taaattcccc  | 2842920 |
| tgctggcatg  | atgtcagtac | taaaacggcc  | atgcacgacc | atttcatcca | atgtttcttc  | 2842980 |
| ataatgataa  | cttattttta | attaataaaa  | tcactaatct | ttaacgcaaa | cagtataaaa  | 2843040 |
| tttctaccga  | catattttat | tttattttat  | cctacttgca | tatttctatc | gaagaaccag  | 2843100 |
| aaatagacaa  | gggaaagctg | tcacagagat  | gtaaaagaat | cgtagcagaa | agacagaaag  | 2843160 |
| agaacggttt  | ttaacatgta | tttcacacaa  | atgagaaaga | ataatttctg | ctttacggaa  | 2843220 |
| ttatatcgta  | agtttgtggc | aaacaataat  | cagtaaaaga | catgaagaaa | ttttcattat  | 2843280 |
| tactatcttt  | tcttctcttc | gtttcgtag   | gctttgcccc | gcaagcgaaa | tatgtattct  | 2843340 |
| atttcatcgg  | tgatggaatg | ggagtaaadc  | aagtacaagg | aaccgaatta | tatcgggggg  | 2843400 |
| aactggaagg  | taaaatcgga | ataactccta  | tctggtttac | tcaatttcct | tatgccacaa  | 2843460 |
| cagctaccac  | attttccgcg | acaaatggag  | tgaccgattc | tgctgctgcc | ggtacagctc  | 2843520 |
| ttgcttctgg  | caataagaca | aaaaatggaa  | caattggtat | gaagcaggat | cagcagactg  | 2843580 |
| atgtcaatag  | tggtgccgta | tgggcaaaaa  | acaaagggtg | ccgtgtaggt | gtcaccacca  | 2843640 |
| gcgttagtgt  | agaccatgct | actccggccg  | ctttttatgc | acacgacccc | agtcgcggaa  | 2843700 |
| gctattataa  | aataggaacg | gatttatata  | aagccggatt | cgacttttat | gctggttccg  | 2843760 |
| attttctgga  | tcctaccaat | aaagaggata  | aaagtggaac | ttcggaatac | ctgtacaatc  | 2843820 |
| tggcagaaaa  | gaatggctat | accattgccca | gaggttacaa | ggattacctg | aaaaaatgca  | 2843880 |
| agaaagcaga  | taaaatgatt | ttgttccaga  | ccgaaaaagc | atcggaagca | gaccgtaccg  | 2843940 |
| ctatcccata  | tgctatcgac | cgtacaaaaa  | atgacctgac | acttgccgat | ataactcggt  | 2844000 |
| ctgccatcaa  | tttcttgtcg | aaagatttgt  | caaaaggatt | cttcctgatg | gtagaaggag  | 2844060 |
| gtaaaataga  | ctgggcgtgc | cacagcaacg  | atgccgctac | agtattccac | gaagttgtcg  | 2844120 |
| acatggacga  | ggctgtaaag | gtagcttatg  | agttttattc | tcagcatccg | gacgaaacac  | 2844180 |
| tcattgtagt  | aacagccgat | catgaaacag  | gtggatttgt | tcttggtaca | ggtgcctaca  | 2844240 |
| aattgaatct  | gcaagtttta | aagaatcaga  | aggtgagcga | gaacggattt | acacgtattc  | 2844300 |
| tgaacgaact  | tcgtaaaaag | tacaacaata  | atgtttcttg | ggaaaaagta | caacaggcac  | 2844360 |
| tgaagaaaaa  | cttcggattc | tgggataagg  | tacagcttag | caaagcacia | gaggaacgct  | 2844420 |
| tacaagcaaa  | atacactgaa | acattcaaag  | gacaagaagc | aaagctagaa | aagagtgaat  | 2844480 |
| atgcacaaga  | tgaacctctt | gcagcagaag  | caaaacggat | tatcgatgaa | attgctcttg  | 2844540 |
| ttggctggac  | aagtggcgga | cattctgccc  | gatattgttc | tgtgtttgcc | atcgagagccg | 2844600 |
| gagctgaaca  | gttccagggg | cgcattgaca  | atacagaaat | tcctgtgaaa | atagcaaaaag | 2844660 |
| ctgccggata  | tactcaggaa | taacaggtag  | cgacctatca | ctcaaaagat | aaataaggag  | 2844720 |
| ctaactctct  | aaggctcttc | tcagtaaaact | cctcgaacat | ggagagctgg | gaaagacttt  | 2844780 |
| ttatttttcc  | tctcttccga | cggtattcca  | aaattacttt | agccttatag | aaatccatgt  | 2844840 |
| aaggatgtag  | ctttaatttc | tccaacgagg  | ctcggtttac | ctgaatcttt | tgtatctctc  | 2844900 |
| caaaagtgc   | agtaaaccat | ttgtttaatc  | ctgcatctat | atgaggaatt | tcctgcaact  | 2844960 |
| gagccacatc  | ataaaatcct | cccaagcgct  | gccgatagga | tacgatcata | cgggccaacc  | 2845020 |
| cactaccaat  | gccgggaata | cgcttcagaa  | ccgaagtgtc | agccttattc | aaatcgacta  | 2845080 |
| cagttccttc  | cggatattta | ggaatataag  | gaactgtatc | tctgacttgt | cgaaaagtat  | 2845140 |
| cagacacgac  | tgtattaact | tttaccggct  | cagcaatgac | aatataaggc | ttcaaggctt  | 2845200 |
| gaaactgttc  | atcctgcaaa | ccatatatgc  | gtgagaaaga | ctcgggcgaa | cgaaacactc  | 2845260 |
| ctcccttttc  | ccgatatttc | aatatattac  | gaacaatgaa | agcgggtaag | cccaattggc  | 2845320 |
| tcaatgtaag  | cgaatcggct | gtattcgggt  | caaaaggctg | taacacaaca | gcagtctctt  | 2845380 |
| ttttcgcaaa  | agatggttgg | ctatagctct  | tcttttcttt | ccctctcaag | ctaataaaaa  | 2845440 |
| aggaatcaat  | ctcattacta | tccgaaagtc  | ctaccggagc | tgaaggagga | taaagccaat  | 2845500 |
| gtaaccctac  | ccatactcca | agcagcagca  | aagcgataaa | catcaaaagc | aaaataaacc  | 2845560 |
| tgcgctccga  | tttagaatag | taaaagaagt  | ctttccacat | ctttatgtta | acctaacagt  | 2845620 |
| ccaagtcat   | ttaagaatat | cagaacaatg  | ccaataggag | ctataaattt | caatatgaat  | 2845680 |
| ataaaaaacag | gataatacgg | cgccttcaat  | gttccataat | tggttacttc | atcacgaaca  | 2845740 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atctgacggt  | ttatgatcca  | acctacaaat  | acggcagcaa  | gcatacttcc  | caatggaagc  | 2845800 |
| ataatcttgg  | cagtcaaaaa  | atccaatgca  | tcgaataagt  | tcattcccgc  | aatcgtagag  | 2845860 |
| ctattccata  | cacccaatgc  | caatgatgaa  | actacgccaa  | tcaaccagca  | gcatacagaa  | 2845920 |
| atgataacctg | ctgccttctt  | acgtgtaaag  | tggaaatttct | catgtaaaaa  | cgctgtagaa  | 2845980 |
| acttcgtgca  | aggatattgt  | agaagtaagg  | gctgccagtg  | ccaacagcac  | gtaaaacaag  | 2846040 |
| atggaacaaa  | tatatcccaa  | gaaaggaata  | ccactaaatg  | cccgttcgaa  | cacgttaggc  | 2846100 |
| aaggtgataa  | aaataagcga  | aggaccagca  | tcgggctcta  | ttccaaccga  | aaatgcagcc  | 2846160 |
| gggaaaatta  | taagtccagc  | tagtacagcc  | acgcaagtat  | caatcaatcc  | tacactcata  | 2846220 |
| gcagtatttc  | ccaaacgtgt  | ctccttgcca  | aaataagatg  | cataggtcga  | caagcatccc  | 2846280 |
| atacctagac  | tcaaggagaa  | gaaggcttgt  | cccattgccc  | ctagaaaaac  | atccggagtt  | 2846340 |
| accttgctga  | aatcgggagt  | caacagaaac  | tctatacctt  | tttctgctcc  | tggaagcatg  | 2846400 |
| acggaacaca  | ctgcaagaac  | gactaccaat  | ataaaaagca  | acggcataag  | tactttggaa  | 2846460 |
| gaacgctcaa  | ttcctttctg  | tactcccttt  | acgatcacia  | aatgagttaa  | caacataaac  | 2846520 |
| acggtaaagc  | agattaaagg  | acgaaaagga  | ttctgcgaaa  | actgctggaa  | catagtcaca  | 2846580 |
| aaatcagcag  | atgacttacc  | atgaaactgt  | ccggttgtag  | cttcaaaaac  | atattccaac  | 2846640 |
| gtccatccccg | ctactaccga  | atagtatccc  | aatatcagaa  | aaccgggttaa | aacacccaaa  | 2846700 |
| tagccgaccc  | acttccaata  | acctttaggg  | gccaaagctt  | taaatgcctc  | accagtactg  | 2846760 |
| gcttttgaat  | gacgaccgat  | tgtaaattct  | gcaatcataa  | tcggaagtcc  | aaaaataaac  | 2846820 |
| acgcagccca  | gataaattaa  | aataaataca  | gcgccaccgt  | gattccctgt  | ttcataaggg  | 2846880 |
| aaacgccata  | tattccccaa  | tccgacagcc  | gaccccgtag  | ctgccagaat  | cgctcccaat  | 2846940 |
| ttactacca   | agcttacacg  | atcattatga  | tgcataaaat  | tcttttttaa  | ttacagttta  | 2847000 |
| cacatttaca  | gagcacaana  | atacaaaaaa  | atatcgtatt  | ttcgcataaa  | atataaaaatt | 2847060 |
| cagaagctat  | gtattatttg  | aaaaactatc  | cattatcagt  | gattataatc  | ctcatcattt  | 2847120 |
| gctattttatc | cttctttact  | cctcccaaga  | cagaactgga  | cgaagtagca  | aacatagaca  | 2847180 |
| aattagttca  | catctgcatg  | tatggcggat  | taacaatggt  | tatctgggtc  | gagtatctta  | 2847240 |
| aaaaacatcg  | tcagattata  | tggaagaaac  | ttgctacggg  | aggaatcatc  | tttcttatag  | 2847300 |
| ccatgagcgg  | atgtatcgaa  | atattacagg  | cgacctgtac  | gaccaatcgc  | agcggcgact  | 2847360 |
| ggctcgactt  | cctagcgaac  | tctctaggag  | tcggttttagc | ctgtctgttc  | agttactata  | 2847420 |
| taatccgtcc  | tttagcaaaa  | aaacattttac | aatagaaatg  | agaaactccg  | agaacttccc  | 2847480 |
| agcccccgga  | gtcaatgaaa  | aacgttatta  | attattttta  | aagatagaga  | gttttcttgt  | 2847540 |
| gtttagcggg  | agtccttcag  | ttcttcctgt  | aatttttgcc  | gggtaaagta  | gatacggctc  | 2847600 |
| ttactgtcc   | ccagcggaag  | tcccaactta  | tcggcaattt  | cgcgatactt  | aaatcccgat  | 2847660 |
| acatacatcg  | agaacgggat  | acgatattct  | ttcggcagcg  | cattcacaat  | gcgacgcatt  | 2847720 |
| tcctttaagt  | cgtaggatcc  | ttctgtagaa  | tcaccttcta  | tatcgaaatt  | ctgattcaga  | 2847780 |
| taatattgat  | gtcgggtctg  | gtctacataa  | gtctgatcgc  | gcaatgcctt  | ccgataatta  | 2847840 |
| ttaataaaga  | tattacgcat  | gattgtgtaa  | acccatccct  | taaagtttgt  | ttcggctgta  | 2847900 |
| tacttttctt  | cattgtccaa  | cgctttcagc  | gaagtttctt  | gaagcaagtc  | atttgcttct  | 2847960 |
| tcgcaatctg  | ctgtcaactt  | ataagcaaaa  | ttcaatagtt  | ctgtctgaac  | gctcaacaga  | 2848020 |
| tcctgagcaa  | aattagcagt  | tctcatattt  | ttataaatgg  | tgtttgagat  | taatattctt  | 2848080 |
| gttttggttt  | gacactgcaa  | tattagctca  | aaaacgaaca  | gccaatttca  | taaaatcagg  | 2848140 |
| tatgaaacag  | gggaatatct  | atcatataac  | agtttttacc  | cccccttctg  | tgatagttta  | 2848200 |
| caggtgggtt  | ttctaccagt  | tcaagaaaaa  | attagctcta  | tttccagggtg | gtatagggct  | 2848260 |
| ctttcatcag  | aaaagaatta  | taatatttaa  | cctgccctgt  | cacttcttca  | ccaagaaaag  | 2848320 |
| caggacgcag  | gaaagcttct  | tcctcggtag  | agagttctat  | ttcggcgaca  | accagtcctg  | 2848380 |
| cgttttcacc  | ataaaaactca | tctacttcga  | aagtatgtcc  | tccaaaattt  | accagataac  | 2848440 |
| gtgtcttatc  | aatgagcccg  | ggttcgcaaa  | gtttcatcaa  | ctcttccgcc  | tcatcgagtg  | 2848500 |
| ggatttcttt  | ctccactca   | tagcggctca  | gccctgaatc  | attcgaaggt  | cccttgatgg  | 2848560 |
| taaggaaacc  | cttttcatct  | cggacacgta  | ctctgacagt  | tcttccgcgg  | gcactgcaaa  | 2848620 |

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|             |             |            |            |             |              |         |
|-------------|-------------|------------|------------|-------------|--------------|---------|
| tatacccttg  | ttttatccgg  | cttttacttt | cagccaactg | gcgataagaa  | tcatctttca   | 2848680 |
| ccaaaaactt  | acgttctatt  | tcctgtgcca | ttgcggtcgt | tgttttttaa  | gacaatgaat   | 2848740 |
| aaagagtcac  | aatcaagaca  | gccaaaataa | tcaggcctac | acataaatac  | tttatcaaac   | 2848800 |
| gatttgcttt  | ttcttcttcc  | cgcttgctaa | aatcctgttt | cttggttatgt | ttcttagttc   | 2848860 |
| ccatagctat  | agtatttaga  | ttaaactttt | attttaaaga | taaaaaattt  | caacaaaagc   | 2848920 |
| tcacgaattc  | aacttttttt  | aaacttcgct | atccgagaat | tccatcagat  | aagctttgat   | 2848980 |
| gaatccatct  | atcttgccat  | ccattactcc | gtttacatcc | gaagtctgat  | aattggtacg   | 2849040 |
| atggtccttt  | acgcggcggt  | cgtcgaaaac | ataactacga | atctgtgagc  | cccattcgat   | 2849100 |
| tttcttcttt  | ccggcctcca  | ccttagcctg | ctcttccata | cgatgctgca  | actctttatc   | 2849160 |
| gtataagata  | gaacgcaact  | gacgcatcgc | attttcctta | ttcttcggct  | ggtcacgagt   | 2849220 |
| ttccgtattt  | tcaatcaaga  | tttcttcctc | ctcgccggta | taaggatctt  | tatactggta   | 2849280 |
| acgcaaacga  | acacccgact  | caaccttatt | aacgttctga | ccaccagcac  | cgccgcttcg   | 2849340 |
| gaacgtatcc  | cacgacaaac  | gggcaggttc | cacaacaact | tcgatagaat  | cgtcaaccaa   | 2849400 |
| tggagtgcg   | aatacggag   | caaaagaagt | cattcgctta | ccctgagcat  | tataaggaga   | 2849460 |
| aacgcgcacc  | aaacgatgca  | caccattttc | acctttcaga | taaccatagg  | catacgcacc   | 2849520 |
| ctcgatattc  | atggtcacag  | tcttgatacc | agcctcatca | ccttcctgca  | agtttgcaac   | 2849580 |
| agaaaagctta | tagccattgc  | tctcagccca | gcgcatatac | atagcatca   | gcatggaagc   | 2849640 |
| ccagtccctga | ctctccgtac  | cacctgctcc | tgaattaatc | ttcagtacac  | agtccatctg   | 2849700 |
| gtcggcttcc  | gaacgaagca  | tattcttcag | ctccagttct | tccagcgcac  | gcagagcctt   | 2849760 |
| tgtatacgcc  | tcttccactt  | cagcctcggt | caccagttca | tccttataaa  | agtcgaaagc   | 2849820 |
| cagttccagt  | tcatctgtca  | atgtcttaac | attattatat | ccttcaatcc  | atccttgcaa   | 2849880 |
| gccttttact  | ttcttcatct  | gagcttcagc | ctttttcgca | tcatcccaga  | aaccggcgcc   | 2849940 |
| ctgtgtacga  | agctgtcctt  | cttctacctg | taccttcttg | ttttctatat  | ccagataacg   | 2850000 |
| ataaagagct  | tcagtacgtg  | tctttacatc | ttttagctgt | tcaattgtaa  | tcatatatattg | 2850060 |
| aatatcttat  | ctttttattc  | gagttgcaaa | attacatatt | tcgtctgtga  | agtaaaaaca   | 2850120 |
| ggaataaaga  | tttttagccca | tttaccaggc | agaatcttac | atttcctgta  | agtccttcac   | 2850180 |
| tactcttcgt  | acattttttc  | tatttcggca | gcgtaattct | tcatcagtac  | cggacgcttg   | 2850240 |
| atcttcagtg  | tattggtcag  | ctcacccttt | tccatactga | acggttcggg  | caacaaggta   | 2850300 |
| aaacgtttta  | cttgttcata  | atgagcgaat | tcctgttgca | atgtatcaat  | tctcaaacgg   | 2850360 |
| aacaagtcga  | tgattttcctg | tttctgaagc | aaatccttca | tatcggtata  | tgcaatatga   | 2850420 |
| tgtgcttctg  | catacttttt  | cacctgttca | tattccggaa | caatcaaggc  | cgaacaaaac   | 2850480 |
| ttccgctgat  | cggctatgat  | agatatctga | tctatataac | gatctacgac  | caattttggt   | 2850540 |
| tcgatagcct  | gcggagcaat  | atactttccg | ttcgtatgtt | taaacaaatc  | cttgatgcgt   | 2850600 |
| tctgtcagat  | agaggaaacc  | atctttcaag | tatccggcat | cgctgtatg   | gaaccatcca   | 2850660 |
| tcttccgtca  | gaacctgacg  | cgtcatagct | tctttcttat | aatatccctt  | tgtcacgggt   | 2850720 |
| tcaccacgca  | acaagatttc  | attgttctcg | ccaatcttga | tttccagttc  | cggcattaca   | 2850780 |
| cgcccaaccg  | agccgattcg  | aaaactatcg | agccagcaac | acgatacggg  | agccgtcgtt   | 2850840 |
| tcagtacagc  | catatcccgc  | tatcatattg | attcccaccg | aatgaacgaa  | ttcttccaca   | 2850900 |
| gccaacggaa  | tggcagctcc  | tgccgtagga | aaaaagtttc | cattctcgtg  | accaagagtc   | 2850960 |
| tttttcagca  | gactgtaaat  | cgtcttctca | taaaacttat | acttcatgtg  | aagcaaggga   | 2851020 |
| ggaggtgtct  | tcccattcat  | cagataggta | atgttatgct | ccttaccac   | tttcaaagca   | 2851080 |
| tccagcatca  | gccctctctt  | cagtcccggt | gtttcattga | tttttgcttg  | gactccagca   | 2851140 |
| tacacttttt  | cccaaaaacg  | aggaacacta | cacatagcgg | taggacggat  | ttccttgatg   | 2851200 |
| gtcttctgta  | tatcctgcgg  | gcgcaagttg | acacacagag | tacatccttt  | attgatgcaa   | 2851260 |
| taatagctcc  | atgcacgctc  | gaaaatatgg | gtaaaaggaa | gaaagtcat   | caccacatcc   | 2851320 |
| gcttcagtca  | aagtctttaa  | gcgctgggtc | tgagctgcaa | acgccgcttc  | atagcatgaa   | 2851380 |
| tgatgcaaca  | tgactccctt  | cgactcgccc | gtagtaccgg | aagtataaag  | aatgttgggc   | 2851440 |
| aaatcgccgt  | tccccgactc  | cgaagtacgc | ttatccacct | cttcttgata  | ctttccatct   | 2851500 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| tctcccagtt  | tcagaaagtc  | ggaaaaataa  | atagaatttt | tatcagcggc  | cgaacgtttt  | 2851560 |
| accttcggat  | cgaatataat  | aatctgtctt  | agcgacttac | acaagttctg  | tacccgataa  | 2851620 |
| gccacatcat  | actgatactg  | ctcacccaca  | aacaagaaac | ggattcccgc  | atcttccagt  | 2851680 |
| atatagtgta  | cttgtgtctt  | cgaactcgtg  | gcatacagcg | ggatagtaac  | cacccggctg  | 2851740 |
| ccgaaagcac  | caaaatctgt  | atatagacat  | tccggcatgt | tctgagaaaa  | tatacccaca  | 2851800 |
| ttttcctgaa  | cttccgttcc  | taaagcgatc  | aaagcgttcg | aaacattttt  | gacttttgct  | 2851860 |
| gcaaactggt  | tccacgaaac  | aggaatccag  | ctttcggttt | catagtttcg  | atattttaag  | 2851920 |
| gctatgcggt  | caccgtattt  | cttagcttgc  | cgacatatta | aggttgataa  | ataagaatta  | 2851980 |
| ctcatttaaa  | atttagttat  | tttattatcg  | ctgaatgcaa | agatagagtt  | taatttgga   | 2852040 |
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| acacatccga  | agcactgaca  | ctgtcttcagg | cattaatcgg | cattccttcc  | atcagcagag  | 2852160 |
| aagaagaggc  | tgctgccgat  | tttttataaa  | attacattga | ggaaaccggc  | atcatgaccg  | 2852220 |
| gacgctctgg  | taataacatc  | tggtgtatca  | gcccgatgtt | cgacatccaa  | cgctctacca  | 2852280 |
| tattgtctgaa | ctctcacata  | gatacagtaa  | aacctgtcaa | cggctggcgc  | aaacagcctt  | 2852340 |
| ttacacctaa  | gatggaaaac  | ggcaagctct  | acggactagg | aagcaacgat  | gccggcgcca  | 2852400 |
| gtctggtttc  | tctcttccaa  | acctaccgtt  | acctatgcgc | taccgaacag  | agttacaatc  | 2852460 |
| tgatctttct  | ggcttcctgc  | gaagaagaag  | tttccggcaa | gaacggaatt  | gaaagcgttt  | 2852520 |
| tgcacagct   | gcctcctatc  | acactgggag  | ttgtaggcga | acctaccgag  | atgaatccgg  | 2852580 |
| ccatagccga  | aaaaggatta  | atggtactcg  | atgtaaccgc | ccgcggcaaa  | gccggtcatg  | 2852640 |
| cggcacgcga  | agaaggcgac  | aatgccatct  | acaaggctac | ggacgatata  | gaatggttcc  | 2852700 |
| gaagcttccg  | cttcccga    | gaatcatccc  | tgcttggctc | cgtaaaaatg  | agtgtgacac  | 2852760 |
| agatcaatgc  | aggcacacag  | cataatgtag  | tgcccgaact | gtgtaccttc  | gttgtcgata  | 2852820 |
| tccgcagcaa  | cgagttttat  | tccaacgaag  | aactgttcaa | ggagatttcc  | tctcacatca  | 2852880 |
| gctgtgaagc  | aaaagcccgt  | tcgttccgcc  | tcaactcgtc | acgcattgat  | gccgaccatc  | 2852940 |
| cgtttgtgaa  | acgtgccgtc  | gaactgggta  | aagtaccttt | cggctcacc   | acgctttccg  | 2853000 |
| accaggcact  | catgcctttc  | ccctctgtaa  | aaatcgggcc | gggaaagtct  | tcacgctcac  | 2853060 |
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| ccatactgga  | cggattgaaa  | ctgtagttaa  | tcaactaaag | aacagaaaac  | aatgaaatta  | 2853180 |
| tccctaaaga  | cattcaacct  | gctgggccta  | ctggtaacca | tattgttctt  | ttccgcatgc  | 2853240 |
| ggcagcagca  | acaagaaccg  | tcaggaaagt  | gaaacagaaa | accagccggt  | agtaaaggct  | 2853300 |
| cccgatttta  | acgccgacag  | cgcttacctg  | tatgtcaaaa | agcaggtaga  | cttcgggtccc | 2853360 |
| cgtgttccga  | atacagcagc  | acaccgttcc  | tgtggcgact | atctagccaa  | gcaactggaa  | 2853420 |
| agctttggag  | caaaggttta  | taaccaatat  | gccgacctca | tggcatacga  | cggtagcatg  | 2853480 |
| ctgaaggcac  | gtaacataat  | cggagcctat  | aatcccgatg | ccaagaaacg  | tgtactgctg  | 2853540 |
| gccgctcact  | gggacagccg  | tccgtatgct  | gatgccgatg | aagaaaagca  | ccatcatact  | 2853600 |
| cctatcgatg  | gagccaatga  | cggagcaagc  | ggcgtgggcg | tattgctgga  | aatagcccga  | 2853660 |
| cacttacagc  | aacagggtcc  | tgccatcggg  | atagacatca | tcttcttcga  | cgcagaagat  | 2853720 |
| tacggtatgc  | ccgacttcta  | caaaggagat  | tacaagtcag | atacctgggtg | cctggggtca  | 2853780 |
| caatattggg  | gacgtattcc  | gcatacacc   | gactacaagg | cacgcttcgg  | tattctgctc  | 2853840 |
| gacatggtag  | gaggcaaaaa  | cgccacattc  | tattacgagg | gatactccaa  | gcgtacggcc  | 2853900 |
| aaccagccca  | tgagaagat   | ttgggatata  | gcacacagct | tgggatacac  | ccagtatttc  | 2853960 |
| atcaaggaca  | acgggtggaga | agtgaccgac  | gatcacgtct | atgtaaaca   | cttccgccag  | 2854020 |
| attccttgtg  | tagacatcat  | cgatttcagc  | ccgaacagtc | cggacggatt  | caacccgacc  | 2854080 |
| tggcatacgc  | tgaacgacaa  | tctggataac  | attgacaagg | caaccctgca  | agccgtggga  | 2854140 |
| caaaccgtca  | tgaccgttat  | ctataacgaa  | aagtaactac | aggaaaaaca  | aagactaaaa  | 2854200 |
| gaaacaaaat  | atgaaaacaa  | tcaacgaact  | ccaagacgaa | gtgattgaag  | aattcagtga  | 2854260 |
| cttcgacgac  | tggatggaca  | agtaccagtt  | acttatcgac | ctgggaaacg  | aacaagaacc  | 2854320 |
| tctcgatgaa  | aaatataaaa  | cagagcaaaa  | cctgatagac | ggttgccaaa  | gccgtgtgtg  | 2854380 |

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|-------------|-------------|------------|-------------|------------|-------------|---------|
| gcttcaggca  | gatctggtag  | acgggaaagt | aatcttttcag | gcagaaagtg | atgcaactgat | 2854440 |
| tgtaaaagggt | atcattactc  | tgctgataaa | ggttgtatcg  | ggacataccc | ccgacgaaat  | 2854500 |
| cttggactcc  | gatctgtact  | tcacgagaa  | aatcgggctt  | aaggaacact | tgctgcctac  | 2854560 |
| ccgcagcaac  | ggactcctcg  | ccatggtaaa | gcagatgcgc  | atgtacgcgc | ttgctttcaa  | 2854620 |
| agccaaacaa  | gaagaaggaa  | aattgtaata | tactctcaag  | ccaatgccat | tccttttgtc  | 2854680 |
| tacggacgaa  | ggaaatggca  | tttttcacat | tttatcagca  | ccttctctcc | atcggccagc  | 2854740 |
| gtggtagcaa  | acagataaac  | gtccccaccc | tccttcaact  | tcagcttttt | acggaggtcg  | 2854800 |
| gccacagaag  | acggaaaatt  | acgtaccgtc | aggttggcct  | tgtctacacc | cgccaaaaac  | 2854860 |
| gatttcaact  | ccttcttgcc  | gaatcctgat | accgcaatta  | cccggaagca | gcgtccggga  | 2854920 |
| aaatcaatct  | ccgtatcgga  | agtatacaga | tgactgtttg  | gatgaagctt | ctttacccccg | 2854980 |
| tatcgttccg  | acaagatgcg  | gtaagccccc | gctttcagca  | aggcagctcc | cggctcatat  | 2855040 |
| agatatcctt  | ccacctgttc  | tgccatgaca | cacgaagcat  | tgcgctcctg | tgaagcgta   | 2855100 |
| aactccacat  | gttgatgaac  | aaagttatta | acaacctgtt  | cacaacttat | aactatctct  | 2855160 |
| ttattagatt  | gttcagaaga  | taaatcttgt | tttttgagga  | taattatcaa | ctctttgcac  | 2855220 |
| tcgttattaa  | cagccacaat  | gtgtatttca | cgaacatgct  | tcagatcggt | caaagccgat  | 2855280 |
| gccatatcga  | gcataggcga  | aagtttaatc | attaccaccc  | gtccccgctc | tatgagtagc  | 2855340 |
| ggttcgagcg  | cgcacacatt  | cggttcacaa | tcagcaatgg  | ccactgtttt | ccctccatga  | 2855400 |
| ctgtcgcgtc  | gtgccggatc  | gagaaacaga | caatccaccg  | gatccattgt | ccggagatac  | 2855460 |
| tctgttccat  | cggcctgatg  | cacacggata | tgctctactc  | ccagcaaagg | aaagttatgc  | 2855520 |
| cgtgccagtt  | cgcacaacac  | ctcctgccgc | tctacatagt  | cggcctgcct | gaaccggcgg  | 2855580 |
| gcaataaacg  | agcagtccac  | tcccagccca | gccgtcagat  | cggcaaacgt | atcaccgccg  | 2855640 |
| accagcgaag  | ccttatagcg  | tgcatcact  | tctgacgagc  | actgttccat | cgacaaatgc  | 2855700 |
| tgaggataac  | ggataccttc  | cgtctgagcc | catgaaggca  | ccttcttttc | ggcaatctgc  | 2855760 |
| cacccggcta  | tctgcaccac  | agcttcggtc | atatccacat  | caggatattt | accagcctgc  | 2855820 |
| aaagcaagca  | agcgaacatc  | gtcgtgacgg | tgctcatcaa  | tgaacgaga  | agtttcagga  | 2855880 |
| gatatttctt  | tcattgcata  | tataaaaaaa | tatcccgcaa  | aaatcacaat | tttcgcgga   | 2855940 |
| tagaaatttt  | aagacttgag  | cggtttaaaa | aagtaaccaa  | cccttaatta | atattcttcc  | 2856000 |
| tcgttgaaga  | aaaaatcttc  | tttgctcgga | tagtccggcc  | agatatcttc | tatgctttcg  | 2856060 |
| tagatttcat  | cttcatcttc  | catttctctc | aagtcttcaa  | ttacttccat | cggcgctcct  | 2856120 |
| gaacgcatag  | catagtcgat  | taactcgtct | ttagttgcgg  | gccatggcgc | atcttccagt  | 2856180 |
| tttgaggcca  | attccaatgt  | ccagtacata | gtatttaagt  | tttaaaaagt | tttacattcc  | 2856240 |
| aactattgag  | ccacaaaagt  | ataataaaat | ctttcatgtg  | caactcttat | cccaataaat  | 2856300 |
| ttcatcatgt  | tgtgttaatt  | gatttaactt | tcgggataga  | atgaacaaat | aatcggacaa  | 2856360 |
| tctgttcaca  | aactgcttga  | cttccggatc | aatttcacag  | ctttcatgct | cttcgagtg   | 2856420 |
| cagtattcta  | cgctccgcac  | gacggcagac | ggtacggcag  | acatgacaaa | acgaagccga  | 2856480 |
| aagcgccccc  | cgggaagtat  | aaaggccgtc | agtttaggca  | acgacgcgtc | cagttcgtcg  | 2856540 |
| atagcctgct  | ctagacgtgt  | cacgacttca | gcagatattt  | gacttgcaac | ctgcaaatcg  | 2856600 |
| gtagtcgact  | ggtcggtagc  | cagataggct | cccagcgaga  | atagtttatg | ctgaatgtac  | 2856660 |
| agcaagaaac  | tacggatctc  | cgcacgtcgc | acagaagcag  | ccagtactcc | cagatttgca  | 2856720 |
| ttcagctcgt  | ctaccgtgcc  | atacgctca  | aggcgtgcat  | gcgtcttgga | taccgcatt   | 2856780 |
| ccccccacca  | gggaagtttt  | tccagcgtca | cgggttcttg  | tataaatcat | acttttcttc  | 2856840 |
| atagtatacg  | gtttatgttg  | ttaaaggaaa | ttcactatac  | gatgttcttt | taccggtttc  | 2856900 |
| ttatcgaaaa  | ataccagccc  | gacatcgtag | agatcgaacg  | ttacccccgt | acgaggggtca | 2856960 |
| ctgataactt  | gcttccacca  | ttcccgttcc | tctttcgtag  | catacggcga | accgataaaa  | 2857020 |
| aagcatgtat  | gcgaagaaac  | ggcaggcagc | aacgcttcga  | aaacctcctt | gtaataagga  | 2857080 |
| gtgaaggcta  | tatgtacgat  | atcgggacaa | ccatgctctt  | ccacatagcg | atgtaacagg  | 2857140 |
| tgaggcacat  | ctccacagcg  | ataatctacc | tgcgacagat  | ctgccagcaa | gcgtattact  | 2857200 |
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| ttgaccagcc  | ggaacagcag  | acggtccact | ttctcacgat  | agtgagataa  | actcaccacg  | 2857380 |
| tccttcctct  | tggcgtgcag  | caggctatag | gcataaaaag  | gcagccgctc  | atacacgaca  | 2857440 |
| aaagttatca  | gaaagaaatc  | ggacggtgaa | tgcactccgt  | atccacaacg  | atgacgaaag  | 2857500 |
| cgacggcacc  | agttccatcc  | acgcaaaaac | aggttcgaca  | taaattcttt  | tcttcttttag | 2857560 |
| tatggtgaac  | aaagatagag  | aaaaaaatat | tgccatccga  | tatttctcgg  | atggcaatac  | 2857620 |
| cctatagaac  | taaaaaaaca  | accaagtttt | tttacttgcg  | tgcacccagt  | ttatcgtcca  | 2857680 |
| gatacaagat  | accggcatgg  | tcgccacatt | tcttcagttt  | ctcaacaata  | ccctgagctg  | 2857740 |
| ttgcttcttc  | ctctacctgt  | tcgcgacat  | atccccacaa  | gaaatcctga  | gaagctttgt  | 2857800 |
| ccttttcttc  | ggaagcgaca  | tttaccaatt | cgtctatcag  | ttcagaaaca  | tgacattcat  | 2857860 |
| gttgataaac  | atgttcgaat  | acctcgagca | caactgcccc  | tccctgcgga  | acaacgtcta  | 2857920 |
| tcttatcaac  | caaagcaaca  | ccgccgcgtt | ttgcaagata  | gtcggcaagg  | tcgtaagcat  | 2857980 |
| gctgcaactc  | ttcttgtgac  | tgcaacttca | tccagtgtgc  | aaaaccatcg  | aaaccttctt  | 2858040 |
| tcttcaaata  | gaaagacatg  | gaaagataga | gattagacga  | ccacatttct  | gctgcaatct  | 2858100 |
| gatcggtgat  | tgctttttgt  | aatttttctg | aatcatgat   | atctaaattt  | taatggataa  | 2858160 |
| taattttaac  | gtgagttcga  | tgaattataa | ctatttgtaa  | atttggtgat  | tagcgaaaat  | 2858220 |
| tgttgtaact  | ttatagtgtt  | caattacaaa | gtattacaaa  | caataatcgc  | tatgatcacc  | 2858280 |
| gaggacaaaag | ttacagaatt  | attttgtatg | gcggacgact  | tctgcaagtt  | ttttgatgca  | 2858340 |
| atgatggaaa  | aatatacgct  | gaaatcaggc | accaagcggc  | gttatcaccg  | cgattcgact  | 2858400 |
| atgtcaaagg  | cagaaatcat  | gttgattatg | atattgttcc  | atgactccgg  | ctaccgttgt  | 2858460 |
| ctgaaacatt  | tctatctgga  | aaaagtatgc | agacatctgc  | gccacctctt  | cccaaagatt  | 2858520 |
| gtttcataca  | atcgttttgt  | ggagcttgaa | aaagaagtgg  | cagtaccatt  | ggctcttttc  | 2858580 |
| attaagaaaag | tgttgcttgg  | aaaatgcaca | ggcataagtt  | tcgtggacag  | caccccgttg  | 2858640 |
| cgggtatgca  | ggaatcaaag  | gatacatatc | cacaagggtat | tcaaggggtat | agcccaaagg  | 2858700 |
| ggcaagtgtt  | ccatgggatg  | gtttttcggg | ttcaaactgc  | atlttgatatg | taacgagaaa  | 2858760 |
| ggcgagctgc  | tgaacttcat  | gataactccg | ggtgatgtcg  | atgacaggaa  | accgttggag  | 2858820 |
| tataaggcgt  | ttgtcgaatt  | catctacgga | aagttgggtg  | cagacaaggg  | ctatatcggc  | 2858880 |
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| agctttgaca  | atlttcatcgt | aaacatactg | ggggcgattg  | cggcgctactg | catgtttcca  | 2859120 |
| aaaaagccgt  | gtatcaatgt  | acaacgtaca | tttgacacac  | agcttgcttt  | gttttgaatt  | 2859180 |
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| tcctactgat  | ttttataaaa  | attaaactgt | ggaaatcacc  | ttttatgagt  | ttctgtcaag  | 2859300 |
| atgtcacgac  | tacatagatc  | cagaaaatcg | taaaggcttg  | acaaaaaggc  | acggttatgt  | 2859360 |
| cgggagcctc  | ttatacgagc  | cctgcggata | aacagaaaaa  | cataccgact  | gagttttgaa  | 2859420 |
| aaaacgtgcc  | gaggtttttt  | gaaaatttgt | acaaacaaaa  | aaagtttttg  | tacaaatcat  | 2859480 |
| cgggtacttc  | acaggtgctt  | ttttcaagac | gccccgaagc  | tgcccgaagt  | tcctgaccga  | 2859540 |
| aagttttttt  | gtatctcgtc  | cgtaaatcat | tattctgaac  | acgacaataa  | ataaaaacag  | 2859600 |
| cgtgttatct  | ttgtaactgg  | ataaacaata | gacaaatata  | acaatgaaca  | aacttatcgg  | 2859660 |
| ttggacttcc  | ggtgccaccc  | gcagcaactt | catgtttcac  | gtactggcac  | tggctatagt  | 2859720 |
| cgcaatatgg  | ggaattacat  | tcgtatcgac | aaagatactt  | ctgaaatcgg  | gactaagccc  | 2859780 |
| ttcggacatt  | cttttttacc  | gatttgtgat | ggcatacatc  | ggaatctgct  | tatgtttccag | 2859840 |
| acctttcaag  | ctttttgcct  | atagcctgaa | ggatgaattt  | ctgtgctttt  | ccatcggact  | 2859900 |
| gctgggagga  | actctttatt  | tcattaccga | aaatacagcc  | ttgaagtata  | ccttggtttc  | 2859960 |
| gaatgttgcc  | ctgatatgca  | gcaccactcc | gctgctgacc  | atgctgatac  | agtatctttt  | 2860020 |
| tgtcaaacgg  | acactgcctt  | ctggaaaaat | cctcatgggc  | tccattcttg  | cttttgcggg  | 2860080 |
| cgtgggagcg  | gtcattttca  | acggcaagtt | tgtgctcaac  | ctgaaccgca  | caggagattt  | 2860140 |

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| cgacaaatat | cccgccatgt | tcacgtgcg   | caagaccttc  | ttttacggtc  | tgctcacgct  | 2860260 |
| gattcctttt | ctggccatgc | agggttctct  | cacgacctca  | cctcacatcc  | tgctacaacc  | 2860320 |
| gcagggtg   | agccagctcc | tctttctggg  | aatcgtggct  | tcgtttcttt  | gcttcattgt  | 2860380 |
| gtggaatgtc | tgcttgcgaa | aactgaacac  | aattgtcctg  | tcgaactata  | tctacctgat  | 2860440 |
| tcccgtcatc | tccatatcgg | cttcgaatct  | cattttgggt  | gaaagcctaa  | atgctgtcat  | 2860500 |
| tatcgcagga | accgtgctgg | taatcgttgg  | aatgtacttt  | gccgggaaat  | aaaaaagaag  | 2860560 |
| gataagaaga | aatatatcta | aaagaaaaaa  | gctaaataac  | caattgggtta | tctagctttt  | 2860620 |
| tctttgtacc | cagaccgggt | acaaggcata  | gaaatcatag  | gaaaataaaa  | gaatttatct  | 2860680 |
| tccttattat | caattatttg | catctttctt  | attttctcta  | tttttgccat  | attttgccca  | 2860740 |
| tttttcgtca | ttaagtacac | ttttagtaca  | ctttgaaatt  | ccattttctt  | ttgtaccttt  | 2860800 |
| gcaatatcgg | aaaacaaaag | aaaatcaatt  | atttagcgta  | atcaccgggt  | tatggtacct  | 2860860 |
| aaatcgggat | aaaacctcta | aacaatggca  | aagttagaaa  | ataaaacgaa  | agaaaaccct  | 2860920 |
| aaattggagc | aaaacaggct | gtcggacggc  | agaattagtt  | tgtatctgga  | gtattatttg  | 2860980 |
| ggtagagagg | aaaagcctgt | attggatgaa  | aacggtaatc  | aggtgtatta  | tgaaagcggg  | 2861040 |
| aagatgtggg | gaaagccgaa | gttcgctatc  | aagcatcaca  | ggcgaaaaga  | gaacctcagc  | 2861100 |
| ctgtatctga | tagagaagcc | acgtaccctt  | gcggaacgcc  | agcagaacaa  | ggaaacactg  | 2861160 |
| gagcttgctg | taaaaatacg | tgccgaacgt  | gaacaggagt  | ttaaggaaag  | tatgttgggc  | 2861220 |
| tatcgctga  | aaaaagaccg | gaacgtgaat  | ttcttgattt  | attttcaagc  | ctatatcaat  | 2861280 |
| gactatacca | agaaagacat | tcggatgggt  | caaatcgccc  | taagccgttt  | caaggacttt  | 2861340 |
| ttgaaggaac | attaccgat  | gcacgagttc  | ggcatcaagc  | cggaaacttat | cacgaaggac  | 2861400 |
| atgatggaac | agttcgtagc | ttatctgcaa  | tcccggagcg  | tgggcgaagg  | ggctaaaagc  | 2861460 |
| atcttccaac | gtttcaagaa | ggttatccac  | tatgcgattg  | accacgatgt  | gatgctgaaa  | 2861520 |
| gacccctgca | aaggcgttac | ctgcaaggcg  | gatagccaga  | tactacgcaa  | ggacgtgctt  | 2861580 |
| tcgccggaag | aaatccagcg | gttgattgcg  | tgccattatg  | acaacgagaa  | ccccaacgta  | 2861640 |
| aggcgtgcat | ttatcttttg | cctgtattgt  | ggcttgcgct  | tctgtgatgt  | gaaagacctt  | 2861700 |
| acctataaga | atatcgacta | cgtaataaag  | ctgctaaaat  | ttgagcagaa  | caagacccaa  | 2861760 |
| ggtcattccg | ccagtagcgg | tgtggtcatt  | ccgctcaatg  | acggctcttct | ttcgcttggtg | 2861820 |
| ggagaaccgc | cggcagacgg | taacaaagac  | gctctcatct  | tcaacctgcc  | ttcgatatgaa | 2861880 |
| agttgctgca | aatccgtcaa | gcgttgggtg  | aaaagagccg  | ggatagataa  | gcacataagc  | 2861940 |
| tggcattgcg | cccgtcactc | attcgccgtg  | aatatcctca  | acaatggggc  | gaacatcaag  | 2862000 |
| acggttgcca | gcctgctcgg | gcatagcgga  | ctgaaacata  | cggagaaata  | caccctgtcg  | 2862060 |
| gtggataaat | tgaaagagga | ggcgataaac  | agcctgccgg  | aattaaagt   | ttaaccataa  | 2862120 |
| aagacttacc | tttgcaacta | tggactttga  | agcattagta  | aaacatatca  | gcacgataca  | 2862180 |
| aagcacgttg | caggcgcaag | ccgcacacgc  | tgtaaaccctc | gccctgactg  | cccgcaattg  | 2862240 |
| gctcatgggc | tgctatatcg | tggagtttga  | gcaaaacggt  | gaagaccgtg  | ccgcatatgg  | 2862300 |
| cgaacaactg | ttgaagaaac | tggaaacagcg | gttgaatgtc  | aaaggactga  | acgagcgag   | 2862360 |
| gtttcgtgag | ttccggcggc | tataccttgt  | ttatccgcaa  | ctgaaagagc  | ctatcgcaca  | 2862420 |
| atacatattg | gcaggaagcg | aaattcggca  | cacactgtcc  | gccgaattca  | cagacccaat  | 2862480 |
| tcggcacacg | gtgagtgccg | aattacaatc  | cgtaataaat  | caaccaagtg  | aatggaatac  | 2862540 |
| acaagctgat | agattatttg | aaagattacc  | gtattctcat  | ttaaagttta  | tttctaaaat  | 2862600 |
| agaaaatccg | gtcaaacgtg | ctttctatga  | aatggaagca  | ataaggggtt  | gttggtcagc  | 2862660 |
| aagagaactg | gagcggcaaa | tcaattccct  | ctattacgag  | cgcagcggat  | tgtcgaaaaa  | 2862720 |
| caaagaagcc | ttatctgctt | tgggtgcaacg | gcaagccatg  | ccgctgcagc  | ccaaagacat  | 2862780 |
| tattaacacg | cctgttacgt | tggagtctct  | gggattgaac  | gaccgtgctt  | tggtaacgga  | 2862840 |
| aagcgacttg | gagcaatcca | ttctcgacaa  | cctgcaacac  | ttcctgttgg  | aaatggggca  | 2862900 |
| tgggttctgc | ttcgaagcac | gccaaaagag  | aatcctgata  | gacggggatt  | atttctttgc  | 2862960 |
| cgacctcgtg | ttttaccacc | gcattttgaa  | atgccatgtc  | atcgtggaat  | tgaagataga  | 2863020 |

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|            |             |            |              |             |            |         |
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| agtgatgcaa | cccgcagaca  | atccgcctgt | cggcatcctg   | ctttgcaccg  | agaagggcga | 2863140 |
| cacgttggtg | aaatacgcca  | ctgccggatt | agacccgaac   | atcttcgtgc  | aaaagtatat | 2863200 |
| gatagaactt | cccactgaag  | aggaaattaa | gaagttcatt   | tcaactgcaa  | actattagca | 2863260 |
| ataaaaaaca | ctactggcga  | aaagaaggaa | agccattctt   | tctcttttcg  | ccagcacggt | 2863320 |
| tattactgcc | aacaagaata  | ggtttaggtt | agtttgatg    | tatatacaaa  | agacagaact | 2863380 |
| aaaccgtaaa | tgcagacgat  | aattatagca | agtcacttat   | gatacattct  | gttcttccaa | 2863440 |
| gactatatta | gcatcattat  | cgcatttttc | aggcttaatc   | cgctctatac  | gacgaatatg | 2863500 |
| ttttgcccta | ttagctataa  | ttaacggtag | acgctcgaca   | acaacaaccg  | atgtgtcaag | 2863560 |
| ccccaacgca | ctcggttctc  | caatgcctat | ctttctaatt   | aaggcataaa  | ggctcatcag | 2863620 |
| caaattttgt | cggcggttac  | gggaatcttc | aggataatat   | atccggtgga  | taataataaa | 2863680 |
| gcgaaaatca | cccggtagtc  | cattcttatg | caatgaagga   | taagagcttg  | ttagtcttac | 2863740 |
| ttcaccatcc | gcaacaaggt  | catcaactac | ttgtcgtaaa   | taaaggctca  | cgcgcggttc | 2863800 |
| tatacgaaaa | cctatacgca  | tggttatact | aaacaatgtc   | ccttttatta  | atgtggaaca | 2863860 |
| attatattca | agtgtgtctg  | gtgtatccac | aaattcaagg   | ttaataagcc  | aataatgatc | 2863920 |
| tgcccgttta | ggctgcttat  | taattatgga | atacaacaat   | ttatcgtcca  | cacaaccttc | 2863980 |
| tttgtctgca | tgattcacat  | agacaagatt | agaagcatat   | ttggatatgc  | tttcgtccgc | 2864040 |
| cttaatatca | gaaataatgt  | tgtagtattc | acttaaccgt   | ttggaagaca  | tatgttttcg | 2864100 |
| acgaattttg | ttggcactta  | cccatacaaa | catgataaaa   | cataataatc  | cacctattaa | 2864160 |
| cagcgtaaac | caacctccga  | ccataaattt | ggacagggtt   | gcagcaagga  | aaataccttc | 2864220 |
| aataacacaa | tatccgccga  | caaacagtat | tgatagaatg   | cgtggaatgt  | tatgcatatg | 2864280 |
| caaatagaat | ccaacaaca   | atgttgtcat | caacattgta   | atagttatgg  | caagtccata | 2864340 |
| agcggcttcc | atgtgggtgg  | aatctcgaaa | caacaatata   | gtaaatatta  | ctccaatata | 2864400 |
| cattacaagg | ttaccattg   | gaataaatga | ctgacctttt   | acgttggtag  | ggtgcttaat | 2864460 |
| acgcatacga | ggccagaaat  | tcaagttcat | agcttcactc   | aatatggaaa  | atgaaccgct | 2864520 |
| tattagagct | tggctcgcaa  | caatagctgc | cccggtagcc   | attgctatgg  | aaaacaacag | 2864580 |
| tatttcttgt | ggcatgattg  | aataaaatgg | gttcaactgta  | ccttctgcac  | tttccggatg | 2864640 |
| atgcaatacc | cacgctcctt  | gccccaaata | at ttagaata  | agcatcacct  | ttacaaatat | 2864700 |
| ccaactgacc | gtaatat ttc | gtctgccaca | gtgccctaaa   | tcagagtata  | aggcttctgc | 2864760 |
| accagtggta | cacaagaaaa  | cggcacccaa | tatcagaaac   | cagtgggggg  | attccactaa | 2864820 |
| taaccgtatg | gcatagtaag  | gattgaatgc | cttgaatact   | tgaggatagg  | aagtcagact | 2864880 |
| gatagctccg | gcgattccaa  | gaagcaggaa | caaagtagc    | ataaatatgc  | caaatgaccg | 2864940 |
| tcctatat t | tctgtaccaa  | aacgctgaac | gaaaaatata   | atggtaataa  | tggtcagtgt | 2865000 |
| aataggaatc | acaggcagat  | gcggactgat | actttcaagt   | ccttctatgg  | cagttgtgac | 2865060 |
| cgtaatggct | ggagtataaa  | taccatcagc | aagcaaagtg   | ctcgcaccga  | taatggcaat | 2865120 |
| gatgtaaatc | cac tttcttc | tgtggcggcg | taaaagggca   | taaagcgcaa  | gtatgccacc | 2865180 |
| ctccccgtta | ttgtcggcac  | ggagagccac | cagcacatat   | ttcaccgtag  | tctgaagagt | 2865240 |
| aagcgtccat | atgatacaag  | acaatgcgcc | taaaacataa   | ttttcatcaa  | gagcttctcc | 2865300 |
| agtatgaatg | atggctttca  | taacatagag | tggcgatgtt   | ccaatgtcac  | caaaaacaat | 2865360 |
| acccaatgtg | atgagtaacc  | cggcaaatcc | aagtttatgt   | tgaatat tgc | cttcttttga | 2865420 |
| taggtttgcc | ataaaaagta  | gttttttggt | ctacatatat   | ttgttttcct  | ttcaagcggc | 2865480 |
| gcaaatataa | aataaaatct  | taacaataag | at tttcacttt | tcttttttcg  | tgaaaaatat | 2865540 |
| catataaacc | ttgacgatgg  | tcaaggcttg | tctaaaaaaa   | tagtctgttt  | gaattacgta | 2865600 |
| taactattaa | actcaaaagc  | cgaagttatg | ggacttatcc   | ttcacctcgg  | ctttttgcta | 2865660 |
| tttactgatt | tcctaaccta  | tcagcttcct | ttttcaactg   | ctcagcctgc  | tcattaagca | 2865720 |
| gctttgcccg | ttccaaggct  | tccgcctgcc | tgcggcaacg   | ttcctcaaaa  | tctagtaccg | 2865780 |
| aatccgtcag | gttgcgata   | aaacgctcgt | cccgtgccca   | cttgaactta  | ttctccagtc | 2865840 |
| tttcaagggg | attgccgtcc  | gcttgtccct | gcatcagcag   | ataacggtat  | ttcatgtcgt | 2865900 |

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| agacaatcag  | acctgccgaa  | aagaggaata  | gcttcgggcg | taccaaagaa  | gttactttgt  | 2866020 |
| tgtaaataccg | ccgatgaaac  | ggtacgggtt  | tggtctcttc | ttttcttgcc  | atgctgctcat | 2866080 |
| catggtaccg  | cttcattgtt  | tccagcattt  | ccttgagaca | gccgaaagt   | gctactacat  | 2866140 |
| aattcttgac  | ctccccgaaa  | gattgccgtt  | gttcctgtcc | tgatttccgc  | agttcggcaa  | 2866200 |
| gccgggtcag  | gatgtcttgc  | aactcttttt  | cgggaaccgc | cgggtcctgc  | gtaactcaga  | 2866260 |
| caatgcccg   | tctatagcct  | ccagtcggga  | aagggtttcc | tcgctccgg   | ctggcgtcac  | 2866320 |
| ctgcgcttcc  | tgcttctcct  | tcagttccgt  | gaccatggag | agaagcccct  | ctaaaatcaa  | 2866380 |
| attttcttcc  | atatccgttt  | acagtttaag  | ttgtcttttc | ttttcttct   | tcttttttct  | 2866440 |
| cagactccag  | tcaatttctt  | cgtccgatgg  | agcagacggc | gaaacatcga  | acaagctgaa  | 2866500 |
| caagccgccc  | attgaagggc  | tgctgttcct  | ttgcggtgtt | tgctcaggct  | ccaaaatagg  | 2866560 |
| tgcggaact   | atctgctggc  | tattttctac  | ggtatccatt | cctgcgttcc  | cgaatgctt   | 2866620 |
| atccagttg   | gagaagctga  | aattgcggtc  | tatttccgaa | cctttgaacg  | tataggcacc  | 2866680 |
| tttggtgaag  | gagatgccct  | gcacctcgtc  | tgtacgccct | ttatacttga  | agcggatgcc  | 2866740 |
| gatgcccttt  | tctgccagcc  | gctcctgtaa  | ctgccgcaa  | cttttggaact | tgccgatttc  | 2866800 |
| attcctcaca  | gccgtgtaaa  | tctcgtat    | cgacttgtcc | ggctctttca  | ggcgtatgcc  | 2866860 |
| cttaaccagt  | tccttgcctt  | tggcgaagta  | tagcccgctg | ttggctttca  | gcttcttgca  | 2866920 |
| cacctgctcg  | ttgcggtaca  | tgctgttcct  | gtccgagatg | gtcttgccgt  | tgttgtctat  | 2866980 |
| gcgattgaac  | acgatatgca  | catgcggatg  | ctccctgtct | tggtggcgca  | cgatgatgta  | 2867040 |
| ctgcgtatcg  | gtgattttca  | tctctcgc    | atactcttgc | gcaagttgta  | tcatcttctc  | 2867100 |
| gtccgtcagc  | ttgggcgc    | cgtttaccga  | atagctcagc | gcgatatgtc  | cgactggctt  | 2867160 |
| gccagacgg   | ggattcatgg  | aggcttgtgc  | gcagaagcag | cggatgatgt  | cctgcctgct  | 2867220 |
| ttccgccagt  | actccgtctg  | catggagcaa  | gaccgcctgc | tgcttgccca  | gcacgtagtc  | 2867280 |
| cacacagccc  | ttaaaccgcg  | ttcctttcct  | tatttttcca | atcatccgac  | aaatggctta  | 2867340 |
| tgatttccac  | tatcctgttc  | ttaagtttca  | ccagttcgac | cgccactttc  | gcaaagcctc  | 2867400 |
| cggcatttgc  | ccggtgcgcc  | agctggttga  | tggtgttcgc | ttcgccctgc  | agtttgcgga  | 2867460 |
| ggatgtccgt  | atcctgcctg  | ttcagccggg  | gcgttatctc | tgccgacacg  | acagcctgcc  | 2867520 |
| gcacatactc  | gctgacacgc  | agcccggtt   | ctgatgcccg | cttcctaacg  | gcgtaatact  | 2867580 |
| gcaactcgg   | cagcttcgtg  | ctgaccacac  | gtctttgctt | gtctatccgg  | ttctttgccg  | 2867640 |
| gacgaccgcc  | tgatttgttc  | cttgatctg   | tcatacat   | ttgtctttgg  | aagttgtctt  | 2867700 |
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| ctaccgaaac  | ataaccttgc  | ttcccctaag  | aaacgtctgc | ccgttgctca  | cagtgtctat  | 2867820 |
| ctccgccggg  | ttagattccc  | ctgcctttct  | tctgccttag | cagcagtttc  | tgtccgtttt  | 2867880 |
| tctgttcttg  | cttcctgccg  | cacaggtaat  | cgttcaggtc | ggaatattcc  | cggtaattgt  | 2867940 |
| gcgagaaatc  | ccgtaccgga  | taggagtatt  | ccgctgtgat | ggcttgctgt  | gcccggtatg  | 2868000 |
| ctgccccgtc  | attgtcgagc  | aggcagtgg   | tgcttccata | ctgccccaat  | gcgtcaatgg  | 2868060 |
| ctttctgtac  | attggcgggtg | gagttgagta  | tgacgtaatc | ctgcctgtca  | aggttgggca  | 2868120 |
| tgacagggca  | gttctttgtc  | cttagcgtga  | ggaatgaaag | ataatccatg  | aagccttcga  | 2868180 |
| acaccaggca  | cttctccctc  | ggttcgccct  | gttgccggat | atgggtgatg  | tctttcgggg  | 2868240 |
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| cgatggcgaa  | gtagggcttg  | ccgtcatgag  | tgaaacgcag | ttccctgcat  | tctctttttg  | 2868360 |
| ccagtgtgaa  | gtcaatgcc   | cgccctgca   | agtaacggag | caatgccgga  | tgggtgaggt  | 2868420 |
| cacggacttc  | caaatgttga  | aaactcgggtg | ccgacctttg | ctgccgaaaa  | gaaaaactga  | 2868480 |
| ccgggcgggac | atgctgtgac  | tgcttctgta  | tccggtttta | gaggtacggc  | agatggctcg  | 2868540 |
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| accattgttc  | ccgttctgtg  | tttactttta  | aggatgcttc | atgttcctcc  | ctcagtggcg  | 2868660 |
| atgtgtacca  | tagattcgct  | ccctgctgct  | tgacgggtga | atatcccaga  | ctgtgcaggt  | 2868720 |
| aatcggtgat  | gggtattttc  | tttgccttct  | caatgttcat | aatgcaaact  | ttttagtgga  | 2868780 |



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| tgccggactt  | gattgccggg  | agtgcgga   | aacgggaagt  | ctgttcccct  | tatatatgtc  | 2868900 |
| cgaactaaac  | caaacctgtt  | ttagtagtga | aaatcgggat  | tgtaacggta  | tccttttcct  | 2868960 |
| tcctttacaa  | tcatacgctt  | gttcacgagg | aacgtgttca  | atgccacgag  | gacatttcgt  | 2869020 |
| ccccgctcgt  | agccgatgct  | tgcatagccc | tgcttcaacg  | cctgtatgac  | gttggaatag  | 2869080 |
| ccctgcacgg  | tgcgcttgcc  | gaaaccgttt | tccaacgccg  | tgcggtgctg  | ctgttcagtc  | 2869140 |
| agttccgtaa  | gcggaaaact  | tttttcctgc | ttgggctgct  | ggaatacata  | gccgtccacg  | 2869200 |
| acttcgggca  | atgcgctgtc  | gttgatgcgg | aaggcgaaag  | gctcgaagtc  | ccggtcgcgt  | 2869260 |
| atatgtgccg  | ccittacctc  | gctgatgttc | ccgtcctgcg  | tgctcttggg  | gatttgcagg  | 2869320 |
| acggtttccg  | ccttgttggt  | cagttccgtg | ccgatatgtc  | ccctcgtatt  | gtcatcccc   | 2869380 |
| ttgttcagat  | gcagcacggt  | atgaatgtgc | aggttgatc   | cgcttgacca  | gcgcatgagc  | 2869440 |
| aggtttatca  | ggtcggtcga  | ttcgctgggg | ctgttgatgt  | catacatcag  | gtcgcggatg  | 2869500 |
| ccgtcaatga  | tgagcagccc  | cacatcgggc | atgttctcca  | gcataactc   | gataatccgc  | 2869560 |
| ttccgcatgt  | caggagtctg  | ttcccgaagt | acgatgaaaa  | caaagtcgtc  | cctgtcttgg  | 2869620 |
| tcggtcggca  | gcccggcaag  | ccgcaggatg | cgttccatca  | ccttggtggca | atggtatctg  | 2869680 |
| ctctgttcgg  | tgtccacata  | aaggattttc | cgtttgtccg  | gaggcaggca  | cgccgaatag  | 2869740 |
| tgacgacact  | cgtcattggt  | cagtgcgct  | gcaacgatgg  | cggagatggt  | gaacgtcttc  | 2869800 |
| ttgcttttcg  | ccttgctgt   | ggaggcgctg | aagttgccca  | gcgtcccgat  | ggtggagccg  | 2869860 |
| ttcacccaaa  | ggatttcagg  | cggcacatcg | taagtgtccg  | tcactttcag  | gcggatgctt  | 2869920 |
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| ttcttgtttt  | ccatgggctt  | tacttcttta | agggatggtt  | gagaacatac  | ttctgcgctt  | 2870040 |
| cttgctctat  | ctgcgttttg  | gtctttaccg | gattctggcg  | gagccatgct  | tccagtccgg  | 2870100 |
| acttctcaaa  | ataaagcatc  | ttcccctgcg | gcttgtaatg  | gggaatcaga  | ttgcccgaag  | 2870160 |
| tcagcttgta  | aaggtaactt  | ttggacaggt | tgaggaatgt  | gctcgcttca  | tcaaagctaa  | 2870220 |
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| tttccatatt  | gcttgaaact  | ttttggtgaa | acaatatgaa  | ggtgcgcacc  | ctcgttttat  | 2870340 |
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| aaagttaaag  | gcttggaagt  | gaagtcta   | tgagctttgt  | ttgaccgctc  | agactatgct  | 2870520 |
| caaccttttt  | gcagttgctt  | gatgtatttg | tctatgattt  | cgtatccttt  | cgggtagatg  | 2870580 |
| cacttcacgt  | tgtctgtcgc  | gctcgacaag | tcgctgcgtg  | tgaggtattt  | gtctttttatc | 2870640 |
| ttggcaagta  | ccagcttggt  | gttggtatg  | acggactgcc  | actcataagc  | gatatagttg  | 2870700 |
| tagcagctaa  | gctgcatcat  | cagataagcc | agcaagcggt  | tggtgttgga  | cttcaatacc  | 2870760 |
| ccgttcagtt  | tgaggcgaa   | gaagtccgaa | aggattttcg  | gggtgattgt  | cgtggtgaat  | 2870820 |
| atgtgcgctt  | cgttgataca  | ttcgaccaac | agtttgattt  | gttgcgttgt  | aaggactgat  | 2870880 |
| ttgaatggat  | tggatttccc  | gactatcttg | gtcggtcag   | gctgtgcctt  | ctcttcttct  | 2870940 |
| tttggtggtt  | cttctgattt  | ctcatccaaa | ggaacagagg  | catgactggc  | gtcctccgat  | 2871000 |
| tggtggaggt  | attccagata  | ttgggtctgc | atgacaaggc  | gcacaatgga  | agaaaagaac  | 2871060 |
| ggaagctgct  | catcatagca  | agtggaagat | tgacggtatt  | tgtccatata  | aaaagaagaa  | 2871120 |
| cattggaacg  | aaatatattt  | tttccgctcg | tcaaaagaga  | gattctcgaa  | gaaaccgctt  | 2871180 |
| tcccaaagga  | agtcgggcat  | cagtatgtca | aaacgtatat  | tgtgcagggc  | acggttcttt  | 2871240 |
| tggtcatagg  | atacaaggtt  | ctcggtcacg | ttgaaaattt  | cctgcccggat | gtagtcattc  | 2871300 |
| atgtgcgctt  | ccgtcaggta  | ttcacgcttt | aaggcaagcg  | cattagtttt  | catcccgtat  | 2871360 |
| tcattgggcaa | cacattttatc | aagtaactgc | tgtatctttt  | tgaagttggg  | ttctctgaaa  | 2871420 |
| tcttccatat  | acgttggtga  | ttaaaatcgg | tttggtttac  | aaagataagt  | gatggatacc  | 2871480 |
| gttttcaaaag | caaacaaaag  | caggagaaag | gaagaaatat  | gcagcatctt  | tgtaataaaa  | 2871540 |
| gcataaatat  | aaggttgcta  | aaacggcgaa | agtactcttt  | ctttttcttt  | tcgtcaggaa  | 2871600 |
| gtacactttt  | agtacgccc   | ataaaaagaa | aaatccctga  | taatctttcg  | actatcaggg  | 2871660 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| atttgaggta | cccagacccg  | gggtcgaacc  | gggatggatg  | ttactccact  | ggtgtttgag  | 2871720 |
| accagcgct  | ctaccgattc  | cgccatctgg  | gcaactatca  | tcagggaaac  | gctttccctt  | 2871780 |
| aattgcggtg | caaagatagg  | aacatctttc  | taatcctcca  | aatatttccc  | ttgttttttc  | 2871840 |
| gctttacgct | caataatcca  | cctatcttgc  | accgacaatg  | tacggtttta  | tgatcgctga  | 2871900 |
| cacgtagctt | tcaaacttct  | gcgcagggca  | taacgcgtac  | agatatacga  | acagatagag  | 2871960 |
| cctgcgaaaa | agatgattcc  | ggtagaaacc  | atgatattgc  | cgaggccgac  | cagcggcgaa  | 2872020 |
| acaatacctc | caaaggcaaa  | tcccagtgct  | cccagcagtg  | ccgaagcggg  | tccggcatta  | 2872080 |
| tcgtgttcgc | aatccatagc  | cagcgtattg  | gaagctgtaa  | aagtaagtcc  | cagcatcgac  | 2872140 |
| aaaagaccaa | tcagcagcac  | ttcatatata  | cagaagctac  | agccagagac  | caaagctatc  | 2872200 |
| agaagcaatg | cagagaaaat  | aacctatccct | gtactgccat  | aatgcaacgc  | ctgctccatc  | 2872260 |
| cggcggaacc | tgatatccga  | agctgccgat  | atgacgatgg  | aaatggcatt  | tattccaaag  | 2872320 |
| catatactaa | acatcagcgg  | agagaatccg  | taatgctgct  | gcatgataaa  | cggcgccgat  | 2872380 |
| gagatattgg | caaacaatac  | tccctgtgca  | aaaccaaact  | gcaacgtata  | gcatacataa  | 2872440 |
| cgatgattac | ggagcacttc  | tgcaaaactg  | agaaatacgt  | tcttccagct  | tttctgcttt  | 2872500 |
| ctggcctcaa | ccggcagtg   | ctcttcgaaa  | tggatacttc  | cccaaagcaa  | tatcagtccc  | 2872560 |
| agaacaaaaa | gacaccagaa  | gatgccgatc  | cagccaacac  | tcccgccag   | aaaacctcct  | 2872620 |
| cccataggag | ccgctacggg  | agcaacgccg  | ttgatggcac  | ctatcagcgc  | cagcatcttt  | 2872680 |
| gccagctcac | gaccggcata  | cttgtcggct  | gcaaccgaac  | gtgaaatgac  | aattcctcct  | 2872740 |
| gctccggcaa | tgcttgtac   | caaacgccag  | cctacaaact  | gcatgatggg  | atgagaatat  | 2872800 |
| atacatccga | tagtagcaac  | agcgaacaat  | gccattgata  | tgatgagcgg  | caagcggcga  | 2872860 |
| ccgtatttat | cacttaacgg  | tccgaaaagc  | agttgcccg   | cagcaagccc  | gatcatactt  | 2872920 |
| gccgtaagtc | ctaactgaac  | catggaagaa  | gtggtatgga  | aatagtccga  | catagccggc  | 2872980 |
| aaagtcgaca | ggtacatatc  | tgtcacaaac  | ggaccaaacg  | ccgtaagcat  | acctaaaaat  | 2873040 |
| accagtataa | atacttttga  | attcttttta  | cctttcattt  | tgctatcctt  | ttttgtcggg  | 2873100 |
| gcaaaattac | ggaactttct  | aagatgtata  | gcgacgtttt  | accgcacaaa  | acatatcatt  | 2873160 |
| ttaggaacaa | aataaaaatta | tttgccaaca  | aatctctacc  | tttgtccata  | tacaacagca  | 2873220 |
| tactaccatg | aagataccct  | ttccatccga  | tacgacaatc  | atgcaatacg  | cagaaagcga  | 2873280 |
| ccttgccctg | ctgacgcatt  | atcctttccg  | gtttgcctgc  | ggcatacagc  | tgctttgtgt  | 2873340 |
| cagtggaaga | agcattatct  | ctaccggagt  | cgagcgatat  | gacttctgtg  | aaacttcaga  | 2873400 |
| attgatTTTT | ctggcgggaa  | gtctgataca  | ggttatcaat  | ccttcaccgg  | atttcaagggt | 2873460 |
| gagaatgctg | ctgttcccca  | aggaaatttt  | tctaaagggt  | tccttgcccta | tcgatacgtc  | 2873520 |
| ttatttcaat | tacatcaccg  | aggttcctta  | tttcaaccat  | gcggcaaacg  | atgcaaatct  | 2873580 |
| ggcaagctgg | agaagagtga  | atcaatggat  | ggacatggcc  | gaactcttgt  | ttacgcatcc  | 2873640 |
| ggcaaagcat | tttcgcgagc  | aactggaaca  | aaactttctg  | caaagtttgt  | ttatgtgggt  | 2873700 |
| attcaacagc | attccgcaaa  | agtatctttc  | catacacaac  | aagtacagcc  | ggaaacaaat  | 2873760 |
| gttgatatcg | cgctttatgt  | tcttgatacg  | tgaacacagt  | acgcaagagc  | atcagatcgg  | 2873820 |
| ttactatgcc | aaccaattgt  | gtgtcactcc  | acgctatctg  | aacgaagccg  | ttattttata  | 2873880 |
| ctcgaacgga | cgtactccca  | aacaattgat  | agacgaacag  | ctcacggcag  | agttaaaagt  | 2873940 |
| gcaattgagc | aatcccagtc  | tgtctgttac  | ggaaatagct  | cagttgctta  | attttcagga  | 2874000 |
| gcctgccaac | atgagccggt  | tcttcaagaa  | aaatacgggt  | atgtctccca  | aagaatttcg  | 2874060 |
| cagcctgaac | aagctgtaac  | agcatcagcc  | gcgctttcta  | ttgataatat  | cgggaaggcaa | 2874120 |
| atgaatcatg | acataccgta  | tatggtagaa  | gagattcctt  | tcgaatgttc  | gggaagacat  | 2874180 |
| ggcgtaacgt | gcacaaagat  | aggcacagac  | agctccggca  | aggaaacagca | atccggcagt  | 2874240 |
| aaacctcata | tcgcctaagc  | cgaccaacgg  | aggaaaccact | cctccaaaca  | ggaaaccaat  | 2874300 |
| ggctcccagc | aaggcagagg  | caatgccggc  | gtacctacgc  | tcacaatcca  | tcgccagcgc  | 2874360 |
| attggaggct | gtatagctca  | tgccaaccat  | tgcaagcaaa  | cagaaaatca  | gtatttcata  | 2874420 |
| tatccagaaa | ttacaattca  | aggaaagagc  | aatcgtcagg  | caggcagaaa  | agagcaacat  | 2874480 |
| tcccttgctc | ccgatatgca  | aggcatgtcc  | catagtcggg  | agcttgactg  | atatggtaga  | 2874540 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| cgaaataacc  | atggcaatgg | cgttggctcc  | aaagcataga  | ctgaacatca | ttggagataa  | 2874600 |
| tccgtagtgc  | tgctgcatga | taaaggggtgc | ggaagcgatg  | ttgacgaaca | acactcccat  | 2874660 |
| cgtaaatccg  | tattgcaaaa | tatagaacaa  | atactgacgg  | ttgctcaaca | caattccaaa  | 2874720 |
| gttccggcaa  | agccctttcc | aatttacatc  | gagccgacgc  | tctgcgggca | atgattcatt  | 2874780 |
| taaacgaaaa  | acaccaccca | gcaacaagat  | accagcaga   | aacaggaacc | agaatatacc  | 2874840 |
| gtgccaccct  | gcctcttctg | ccaagatacc  | tccacctatc  | ggagctgcta | ccgtagctat  | 2874900 |
| cccgttgatt  | gctccgataa | tagccagcat  | ggtagccagt  | tcatgggcag | aatatttgtc  | 2874960 |
| ggtagctatc  | gaacgagaga | gcacaactcc  | ccccgatccg  | gcaatgccct | gcacgaagcg  | 2875020 |
| taagccaaca  | aactgcatga | tagtctgtga  | aaagatacat  | cctacggttg | acagcaggaa  | 2875080 |
| taaagcaatc  | gcaatcatca | acggacgacg  | acgcccatac  | ttatcgctca | acggtccgaa  | 2875140 |
| aaccagttgt  | ccgacagcca | gtcccacat   | gctggatgta  | agtcccagct | ggaccataga  | 2875200 |
| agaagtggta  | tgaaaataat | cggacatggc  | aggcaaagta  | ggcagatata | tatccataac  | 2875260 |
| gaaaggacca  | aatgcactca | acatgcctaa  | aaagaccagt  | ataaataatt | ttgaattttg  | 2875320 |
| cttctttgtt  | gtcattttct | cttgttcatc  | tctatcttcg  | cgtgcaaaat | tacgccattc  | 2875380 |
| ctgtaaaaga  | atttatttct | ttaaaagtac  | aaaacatttc  | attttcagaa | taacggcacg  | 2875440 |
| atattatgga  | gaatattgat | acatttgcag  | tataaagcag  | aagagattca | tgttacatgc  | 2875500 |
| attaccatca  | atcacgcagc | acatcctgtg  | cgaggaaaca  | gacctggccc | agctcaagca  | 2875560 |
| gaaaccgctc  | cactttaaat | gtggaattta  | tttaatctgt  | acgcatgggc | aggcattgat  | 2875620 |
| atcaacgggt  | gtacagcaat | atgtattcga  | agaacagaca  | gaactcattt | ttttgacagg  | 2875680 |
| cagtctgata  | caagtcgttc | agtcttcgta  | cgactttaag  | gcacgtatcc | ttatgtttcc  | 2875740 |
| gcaagaaatc  | ttcctgaaag | cagtactccc  | tattgatact  | ccttattata | attatgcgca  | 2875800 |
| tgaacatccc  | tgctatcatc | atacgaaga   | cgagcgaagc  | caaaagacct | ggaaagaaat  | 2875860 |
| caacctatgg  | atggacatgg | cagaaatgca  | attcatggac  | aatacccctc | agttccggca  | 2875920 |
| gcagcaggaa  | tacaactttc | tgcaaaatct  | gctgatgtgg  | ctgttcaata | cgattcagga  | 2875980 |
| aaaacaagaa  | acaaagaaac | agtatagccg  | gaaacagatt  | ctttactacc | agtttttgaa  | 2876040 |
| actggtgaaga | gaatatagca | caaggagca   | tcaagtggcc  | ttctatgccg | acaaattatg  | 2876100 |
| tatcacgtcg  | cgttacctga | atgaaatcat  | ctctctatat  | gtaaacggac | gcactcccaa  | 2876160 |
| gcaactgata  | gacgaacagt | tgacagccga  | gatcaagggt  | ctgctggacg | accctcatct  | 2876220 |
| gtcggttacc  | gaaatagccc | agcacttcaa  | ttttcccgac  | cagtcatacc | tgagccgttt  | 2876280 |
| ctttaaaaaag | aacacagggc | tgtcgcccaa  | agagttccgg  | aatcagaaaa | gatgacaaca  | 2876340 |
| aacaaaaaaa  | taaaagggaa | cacatcactt  | cctaaagaaa  | gaaatctgtt | cccaatttat  | 2876400 |
| tttttcctat  | tctactgaat | agagaaattt  | gtatataagc  | caaagctatg | agctgggtatt | 2876460 |
| tccaaatgag  | tagctgtaat | attttccggc  | actccttcat  | tacagaaatt | ataccattct  | 2876520 |
| cccgttacag  | ggaatacatg | ctgcatatca  | acaggtcggt  | cagtaaaatt | tcctacaaca  | 2876580 |
| acaagttgtt  | tgccatcgac | agtctccaaa  | cgaatatagc  | gtccgtcggt | ccagtcatta  | 2876640 |
| tcagaaaacc  | tccactcctt | aaaagcattc  | tgaccaaaaga | cctccggata | agccttgcg   | 2876700 |
| aaagccagca  | gccgactata | agtagtatat  | aattcatttc  | tttcgggtat | atcctgatag  | 2876760 |
| gaccataaaa  | ttggtttcgg | atctgtttta  | tggtcttcac  | cggaaataat | ctccccttgt  | 2876820 |
| tgattggcat  | ctctcgaaac | atcatatccc  | agttctccaa  | attgccagat | cattttcggg  | 2876880 |
| cccgatactg  | taaagaagaa | agcagcattc  | gcctccaatt  | gctgcatccg | tacagccaaa  | 2876940 |
| tctgtttgca  | ataatccatt | tccccatcgg  | gtttgtttat  | aagcgcaccg | ttcttcgtca  | 2877000 |
| tgactttcca  | tataacctac | ccatcctcct  | tccttcacgc  | ttgtatgcaa | tgtagtcaat  | 2877060 |
| cctgtaaaac  | tgcttccgtc | actccagccc  | attgccgact  | gacaataagc | gttattcatg  | 2877120 |
| ttacgccata  | gctttatacc | aatttgagaa  | agctcactct  | cctcctcaat | acctgtcaga  | 2877180 |
| tgttcacaaa  | tcataacagc | attcgggttt  | gcttctttta  | cagcctgata | gtaatctttt  | 2877240 |
| aaaatagcca  | cacggctgcc | atcgtaattt  | cctgaagtgt  | tttcgttact | cgttttattc  | 2877300 |
| gtaaatcctt  | ttgtcaggtc | aaaacgaaat  | ccatctattt  | tatactcgtc | aagcaagaat  | 2877360 |
| ttaagattac  | gctttacaaa | acgacgtgtc  | agttcggatt  | catggttaaa | atcgtagaaa  | 2877420 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| acgctgaatg  | gatgaggagc | tgtttcgtta  | aaccacggac  | tgtttgaggc  | aggacatgct  | 2877480 |
| tttgattcat  | tccagtatag | ccgtacatta  | ggcatatttc  | ctgtagcatg  | attatacacg  | 2877540 |
| acatcaaaca  | aaacagctat | tcccctactg  | tggcactcat  | cgataaaacg  | cttatacatg  | 2877600 |
| tcctttgttc  | cgtaagcttt | atccaacgca  | aagaaaaagc  | aaggattgta  | tccccaacta  | 2877660 |
| ttattcccgt  | caaactcttg | taccggcatc  | agttcaacag  | cattaatacc  | cagtgtctgc  | 2877720 |
| aagtaatcca  | acttttgtaa | agccccattc  | aaatcaccac  | tttccgtaaa  | atcgcgtaac  | 2877780 |
| agcatttcat  | aaatcatcag | attatcaaca  | tcttttattt  | tgaaattcgt  | gttattccaa  | 2877840 |
| ctatactcct  | gctgttgcaa | tctaaaagta  | gatacaatac  | ctataccttt  | atctggatat  | 2877900 |
| tgtctttcgt  | cgaccggata | tgtagacgct  | gcaatatatt  | tgtcattatc  | aggatctaaa  | 2877960 |
| attttttctg  | tataaggatc | tgccagacgc  | atggccccct  | tggtatgaact | ccctacataa  | 2878020 |
| tactgaaaac  | aatattcctt | aacaggatcc  | aaccagaaaa  | cagtcatcca  | ccagcatccc  | 2878080 |
| tctgcttcat  | cacggtacat | ctgcgatgtt  | tcatcattag  | ccaatgtcca  | gtcattgaaa  | 2878140 |
| tctcccatga  | catacgcata | atctttgtgg  | cttccatctg  | tcgctttatc  | ataaagcaca  | 2878200 |
| aatgtcaccg  | attgattatc | agtatccaag  | ttaatgcctt  | cctgaactcc  | ggccggcaat  | 2878260 |
| gatttttccct | tcacttttcc | gggaatgaag  | ctgtgatatt  | ttgtatcgat  | aacacttaca  | 2878320 |
| aactggctctt | tgtaagacc  | tttcttgcca  | ccatctgcac  | tacgtatgat  | aacgcctaac  | 2878380 |
| tgttcaacag  | gcgttggtgc | agaaccaaac  | cattcccgcga | cagagggaga  | aagtgttatt  | 2878440 |
| gtccatacat  | tagcttctgt | ctgacttttg  | gtaaacctac  | atttttcaat  | attttcattc  | 2878500 |
| cattcggcag  | gaacatacat | ccatactccc  | tccctgacca  | ctccggtatg  | aagatatacc  | 2878560 |
| tcacccgcat  | atccgtatag | gtctgaggtc  | gatgatgctt  | taaatgtaat  | cgtgagaggc  | 2878620 |
| tgatcggcat  | cgggagtttc | tggaacaaaa  | gtaaatccct  | cttttgaaatc | acccgtcgtt  | 2878680 |
| tcaccaagta  | aagtatccgg | tttagtgtca  | ctgcatgagg  | taataaaaatt | taatgccaac  | 2878740 |
| aagatataag  | tcagtatacg | atttttcata  | gataaaagaa  | aaaaagtgcg  | tacaatgtgg  | 2878800 |
| cataataccc  | catcgacgca | cttttaaaat  | taatattggt  | atthagcaat  | caattcataa  | 2878860 |
| gtgtaatcgg  | gagttgaaag | atctacaata  | atctgataat  | ctccagcagt  | tacgctgatg  | 2878920 |
| tttccccctt  | taggagccag | tttcccgtcg  | ctatctccaa  | gaccgaaatc  | tccattagga  | 2878980 |
| acatcccatt  | catcatttgc | acggaattta  | attgtaccat  | ccgtcaatgt  | catatccact  | 2879040 |
| ttcagcttca  | agtcggccgg | atcataaacc  | aaattcgtat  | cttcattcca  | gccaccagga  | 2879100 |
| gttgcatctc  | caataactcc | aaagtttaca  | agctgagccg  | catatgtaag  | ttccttaata  | 2879160 |
| ttgaacgtaa  | gataataata | tccttcttcg  | gcagtcagat  | taccagcatt  | ttcaatagtc  | 2879220 |
| gacaatgttc  | cttctgttga | accagctcca  | taattagggc  | catcccaatt  | ttgctgtgag  | 2879280 |
| atacatttgt  | actcaccatt | caaataagca  | tatccggcat  | aattaccttc  | tgcattctacc | 2879340 |
| ggataaagtt  | tccctataac | cgcagcatct  | ggtgccacc   | cctgatgagc  | tcccacaaca  | 2879400 |
| tacaattgct  | ccggtccatc | aatcggagct  | gcaggttccg  | gttcatatgg  | aataattcgc  | 2879460 |
| caattctcat  | tatctttaca | acttacaagc  | ccgaaagaaa  | gcagtaaggc  | taatgctata  | 2879520 |
| tacttgaaat  | atgttttcat | atgttttctaa | tattacaata  | gttcgtttaa  | aattagccca  | 2879580 |
| gcctaagcgg  | ctctggcagt | aaataaaatg  | agttctttga  | aaagtttgtc  | aattaattgc  | 2879640 |
| gtgtttggtt  | caatcccaga | cacgcaaata  | aatcgttcaa  | gcatgtaagc  | attgtgtatg  | 2879700 |
| actgacttgc  | atgatgatat | ggaatatatt  | attcccatct  | tcttacaggc  | agccttggcg  | 2879760 |
| aggtttatcg  | ctgcaagtga | tgcattaaag  | tggaatgccg  | gtttcctgaa  | gtctgtagac  | 2879820 |
| tgacagtttg  | ctattccggc | atgttgcttg  | gcatcccga   | agcagaattc  | gagttggaaa  | 2879880 |
| cgtgttctgt  | aaaagtccag | gacatcctgt  | gcgttctgta  | tttcgtttgt  | agagaaatac  | 2879940 |
| agctgccatt  | tgtccgttct | tccatccatg  | gggtaccata  | cagccaggct  | cacaaagcgt  | 2880000 |
| ttgagtgtct  | tggagtatgc | tttcagtccg  | taaagtttac  | ccttgttcac  | tttgtactcg  | 2880060 |
| gtacatcttg  | tgatgtccag | attttcaaag  | tcaattttct  | cgtcatgtaa  | ttttggacgt  | 2880120 |
| ccgcgttttc  | ctgtcctatt | ttctaagggtg | ggataaaaca  | atacggcatc  | attcctgaaa  | 2880180 |
| cggcttatta  | cgtggaaacc | gttatcgtac  | aatggtttga  | tgaaagtgtc  | ctttgaaaag  | 2880240 |
| aacgcacac   | acacgactgt | gccagaaata  | cgtttcagct  | gttcctgtat  | gctgataagg  | 2880300 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| taagagctgt  | accagtcaac  | aagattcttc  | tcacagcttt  | ccagcggtgc  | gttgctcaggt | 2880360 |
| gtctgtacag  | agcccaaagt  | catacattca  | tggttgtcaa  | cgtctataac  | tccaataccg  | 2880420 |
| gttattttcca | gtccacgttt  | gtattcaccg  | gcacaaccgg  | accagaaata  | gccaatccac  | 2880480 |
| ggcgttttgc  | tgcttgattt  | tggaatgaaa  | gacggatcaa  | cggctatcgc  | cttgcgacca  | 2880540 |
| cctttaaggt  | gttccctgat  | gatggcttca  | ttgaaggaaa  | accagtcaaa  | gccgtcgttc  | 2880600 |
| tcaaaaattgt | tgcggtatgt  | ctgttccgag  | aaacatccat  | accgtcccat  | ttgtaggaaa  | 2880660 |
| ttgatgcggt  | caggtatagc  | catgaataat  | ttcattgcat  | ccatgaatac  | tttctgaaaa  | 2880720 |
| gatttgctta  | tatttacagc  | tgattcgaga  | gcgtttctgc  | actcggattg  | gtattgcata  | 2880780 |
| aggagtgatt  | ctttagtcac  | aattaaaagt  | ggtgaagtac  | ttctaattta  | ctaaaaatca  | 2880840 |
| gtgaattatg  | aaataactttt | tctgttgatt  | ttcagctggt  | tagcatatct  | ttttcatccc  | 2880900 |
| ttttcttact  | ccttgacgat  | ttattcttga  | cagtattttca | atgatctctt  | gaatataatt  | 2880960 |
| ttgaaccgga  | ttatgccgat  | tctatgttta  | attttaattt  | atcggtaaaa  | atttaccgaa  | 2881020 |
| gtattgatat  | tatataagtt  | tttttatttt  | gaatatcccg  | gatttttgtgt | cagattctgg  | 2881080 |
| ttgacagcaa  | gagtatttgc  | atgaatcggg  | aatacctgca  | aataaggttc  | tgtttttagga | 2881140 |
| cgatcggtta  | tggcatcggt  | aaatttacca  | aaacgaatca  | aatcttgacg  | tctccatcct  | 2881200 |
| tcccatgccca | attccagcat  | acgttctttc  | aacaaattat  | ccaaagtgtg  | atctgcatga  | 2881260 |
| ggtgcgccga  | cacgattttct | gacttcatcc  | aaatcggcct  | gtccactctg  | tccgttacga  | 2881320 |
| accaaaagctt | cggcacgcat  | caacaaaaca  | tcagcataac  | ggaacaacac  | ccagtcgtta  | 2881380 |
| tgaggacact  | gaccatcttc  | ggttgacgtc  | ggatcatccg  | catacttata  | catacgtgcc  | 2881440 |
| cccgccatct  | tcatactggg  | atcgctctta  | tcaaactgaa  | gtttaattgc  | catcggtaaa  | 2881500 |
| tattccaaaag | gttttcctgt  | ctcactgttg  | ataacttctt  | gcccgtttac  | gacaaccctg  | 2881560 |
| cctgtataat  | aggtcagctc  | caagcgagga  | tcaggatttg  | ccgtaccata  | tccgaatggt  | 2881620 |
| ttcatagcct  | caatagtagc  | agaagatccg  | ttccagcctc  | cattaccaaa  | gcctaattgcc | 2881680 |
| tttcctacat  | cgtaatgacg  | tgaacgtacc  | agatacatat  | tacgagcttt  | atacaatggt  | 2881740 |
| ggatccatag  | gaataacaaa  | aatattttct  | ttagaacctt  | cattgttttac | aacgaaattt  | 2881800 |
| gcaaggaaac  | cattcgtccc  | ctgattcagt  | gcataccac   | attccttgat  | tttatcacia  | 2881860 |
| taggcaacag  | tagcctccca  | acagtttttt  | tctgtttccat | ctaccgtaaa  | cataatattc  | 2881920 |
| ttgccatcag  | gacgagattg  | gtctgtccag  | tcattatcgg  | tataaacttc  | tgcattcagg  | 2881980 |
| gcaagcttag  | ccataaggaa  | ataagcagca  | gccttagtca  | tacgtccata  | atatttctct  | 2882040 |
| tggtctgcac  | tcttttcatc  | tacaagtaaa  | ggaattgatt  | cttccagttc  | cttctttaca  | 2882100 |
| aaattaaata  | cctcactacg  | ttcagactgc  | ttgacatcct  | tcattctgagt | taatgaagat  | 2882160 |
| tcaacaatcg  | gtacacgtgc  | aaacatatcc  | agcaaataat  | aataatacat  | agcacgaatg  | 2882220 |
| gcacgtactt  | cggctttata  | gatatcgaaa  | tattcattgt  | ccggatccat  | ttccttcaat  | 2882280 |
| tcagtcaatt  | tatcaataga  | ctgattacac  | tgaactacga  | ctccatacaa  | ataatcccat  | 2882340 |
| gttgaaaataa | taaggccatt  | attcaccccc  | cagttatggg  | taaacaaatc  | tctccatagt  | 2882400 |
| ccaccgtcat  | cccagtcacc  | acctctgtgc  | ggaaggatag  | catcatcagc  | acaaaatgta  | 2882460 |
| ttcaagtcat  | aaagtcctct  | gtctgtttcca | gccaaaccac  | tacctcctgc  | atctgctcca  | 2882520 |
| atcttcgtat  | aaaggttagc  | aactgtattt  | aaataaatca  | tttccggatt  | tttataagct  | 2882580 |
| tcactttccg  | gcatctgggt  | aacaggattt  | tcttccaaaa  | aagaagaaca  | tccactaaaa  | 2882640 |
| ctcattgctg  | ctacaataaa  | aaagctatat  | aataattttc  | ttttcatagt  | aatattcatt  | 2882700 |
| taaaagttaa  | ggctaagtcc  | cagtgaataa  | gtacgtgtaa  | gcggatagaa  | acgtttatca  | 2882760 |
| tcaacaccta  | aatcacttcc  | tactgtagaa  | ctgttaatca  | tcggtgacaa  | tcctgaatag  | 2882820 |
| ttagtaatag  | tggctaaatt  | atttacagag  | aatgtcaatc  | ttaaagaatt  | gatattcttc  | 2882880 |
| aagttctttg  | tattcaaatt  | ccaacctaat  | gttacataat  | caatatgtac  | ataatctcct  | 2882940 |
| ctttccaacc  | aataatcagt  | tacagtctga  | tcgtggatat  | tcttttccgg  | agctcccttc  | 2883000 |
| attacgttgt  | aagtagggaa  | taaactcata  | ttcatgtatg  | acaaagaagt  | tccattataa  | 2883060 |
| atcttatgcc  | caaacgcacc  | actgaactga  | gtctggatat  | caaactgttt  | gtaacggaaa  | 2883120 |
| ctaataattac | cacccaaata  | gaacttcggc  | atagcttgtc  | ccgctatata  | acggtccttt  | 2883180 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| ccatcagaaa  | gatcaatacc | ttcttgacca | tcaatgtcaa  | gaatatgata  | agtatactca  | 2883240 |
| ccattaccat  | tcatatcaat | aagtccatca | catttaggta  | aatagaatac  | gccaatgggt  | 2883300 |
| tgtcctacca  | tctgataaat | aacttgatta | tttcctccaa  | taaatccagc  | accattcatt  | 2883360 |
| ccacctaaat  | tcatatattc | cttcgcgctc | aatgattgtc  | ccatatatga  | gccactcaat  | 2883420 |
| gacaacaatt  | tattcttctg | ccaagagaag | tttgcagaaa  | tgggtcaattc | catatctttg  | 2883480 |
| gtttttacag  | gtacacctgt | tactgcaact | tcaataccgg  | tattttccat  | ttcacctaaa  | 2883540 |
| ttggccaaca  | aagaattgaa | tgcaaaagga | ggtacaggta  | cagcatagtt  | atacaacaag  | 2883600 |
| tcacttgtct  | ttgaataata | ataatctaaa | gtaccagtca  | aacggttatc  | aaagaatcca  | 2883660 |
| gcatcgatac  | caatatcaaa | catacgtttt | acttcccatt  | tcagggtcagg | gttatcatta  | 2883720 |
| cgattaattc  | cgatgcaac  | aaccggttta | ccatttacgg  | tagttactcc  | tgtcggactc  | 2883780 |
| atcaatttca  | aagaattata | cgcgctaatt | gcatcctgat  | taccagtaag  | accgtaacca  | 2883840 |
| gttctaattct | tcaaattgga | aacaacatct | acatccttca  | agaaactttc  | ttctttcaat  | 2883900 |
| acccaagcca  | atgaagcaga | tggaaagaat | ccccacttat  | tatttgctcc  | cagcttagaa  | 2883960 |
| gaaccatcgg  | cagcatattt | tattgttgca | atgtatttat  | cagcaaaact  | ataattgaaa  | 2884020 |
| cgtcccataga | atgaagcaat | tgaatagcca | ttcgaatatg  | aactgacatc  | cccatatttc  | 2884080 |
| acttcaccac  | cagcacctaa | attattatat | tcaaagaagt  | ttgtaccgaa  | ctgttttgct  | 2884140 |
| tttgcgccaa  | aacctgtata | tttataatct | tgcaattcag  | ccagacctaa  | gatatacaata | 2884200 |
| taatgctttc  | caaagtcttt | cttataatct | gccgtaaagt  | taccaacag   | cactccactc  | 2884260 |
| ttattatccg  | atttttcagc | aataccactt | tgacctgtgc  | ctgccttaat  | attgctcgga  | 2884320 |
| gtatattttg  | aattctcttt | cacattataa | gtataagaac  | caaaagcact  | caatttcaat  | 2884380 |
| ccatctataa  | cagtccatgt | aatacgtgca | ttagcattaa  | tgtaactatt  | cgactcaaca  | 2884440 |
| tcttttatag  | ttaaagctcc | cagagggttt | tgagtttcat  | ttgcatttgg  | gtcttcaggc  | 2884500 |
| catgaaccat  | cagcatttgc | aaaatcgggg | aaagtcgggt  | taaatgcagc  | tgacagaatag | 2884560 |
| aatgtcttct  | gatagtcat  | cagataacgt | ttatcaactt  | tagaaccaaa  | cattccgaaa  | 2884620 |
| tcgagtttaa  | ccttatcatt | aaacattgtt | tgcaagcat   | caagttttgc  | tgtataatta  | 2884680 |
| cgcataataat | tatccttaat | gatacccttc | tggtctataa  | caccaataga  | agcacgataa  | 2884740 |
| ttagaggatt  | cagtacctcc | accaaagac  | aaacgatgat  | tctgagtata  | acctgtctgc  | 2884800 |
| tgcatagctt  | ctataaagtt | tgtattatat | cccatatcca  | atgcatttagc | atagcctcta  | 2884860 |
| tcggccacaa  | cctgacgata | tgcattggca | tccagcattt  | ccaaattctt  | ataaactggt  | 2884920 |
| tctataccaa  | agctaccatc | ataacttaaa | gtcttaacgc  | cattttttacc | tttaatggta  | 2884980 |
| gtaacaacga  | taacaccact | cgcacctctt | gaaccatact  | gtgctgtttc  | tgaagcatcc  | 2885040 |
| tttaaaacgg  | taaagctttc | aatatcagct | ggagagatag  | cattcaacat  | actcaaatct  | 2885100 |
| ccaaagacac  | catcaataat | aactaacgga | tcattaccac  | ccgacaagga  | agttgtacca  | 2885160 |
| cgtacacgga  | tagaagctga | agctgtagga | tcaccaccgg  | atttctggat  | atttacacct  | 2885220 |
| gcaactttac  | ctttaatagc | ttgcaagggg | ttagttacaa  | cgccagcatt  | catatcttca  | 2885280 |
| cgtccgacac  | gctgaattgc | acctgaaaca | gtacgctgac  | tacctgtagc  | ataaccgata  | 2885340 |
| acaataacat  | catccaaaac | ttctgtatcc | tcatgaagaa  | caactttcat  | attggctggt  | 2885400 |
| gccggaagtt  | cctgattctt | ataaccaata | aaggaaacga  | ccaaaatatc  | gcctttatta  | 2885460 |
| gcatccagag  | taaaatttcc | atcaaagtcg | gtaatggagc  | cattcgtagt  | accttttact  | 2885520 |
| aaaatatgtg  | ccccataaat | agcctcacca | tttttgtcta  | caacacttcc  | cttgacaacc  | 2885580 |
| aagcttttgc  | ctaatacttg | aaggagaaaa | aacataccca  | ctattaccaa  | cagtagatat  | 2885640 |
| ttccatgtgt  | gtttaataaa | tagattcttt | ttcatattat  | taaattttta  | gttaataaaa  | 2885700 |
| tttcatatag  | tctacactcc | attatggatt | atacaaatgg  | agccaatgta  | ttatatatac  | 2885760 |
| ctattgaaa   | aagatttact | atctaaaaaa | gacaaaacttt | gtaatatatc  | agaaaaagga  | 2885820 |
| atactccctc  | ttctgatata | ttattaaatt | caatgcctat  | ttacttgatt  | tctttgattg  | 2885880 |
| aaatagcgta  | accgcctcca | atacctgctt | tcagagttat  | tttactcttg  | ctcgttactt  | 2885940 |
| ttttctttgt  | aatagtatat | gcctgaggat | ttttatccca  | acttgcactc  | ttagcgtcgg  | 2886000 |
| cataaatagt  | tgcttcatat | ttcttgtcag | gatcgaggaa  | gtcgaatgac  | aatttagaaa  | 2886060 |

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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| cgtagaccatt | ataacctgcc  | gtacatccca  | cataccagtc  | gtttgtattc  | tttgcacgac | 2886120 |
| gagcgatggg  | tatgtattct  | cccggttctg  | cttccaagta  | cttagactca  | tcccagtcga | 2886180 |
| cagccacatc  | tttgataaac  | tggaaagcat  | ccatgaaacg  | ttcatagttt  | tcaggaacat | 2886240 |
| cagcagccat  | ttgcaacggg  | ctatacatgg  | ttacatacaa  | tgccagctga  | cgcgcaagtg | 2886300 |
| ttgtacgagc  | atgagattta  | ttattcggat  | tcatcttact  | gcaatccggg  | tcaaagatac | 2886360 |
| ccggagtata  | atccatcgga  | ccaccgataa  | gacgggtaaa  | cggcaaaatc  | gttgtgtggg | 2886420 |
| tcacattgtt  | accaccaa    | gattcatatt  | cagtaccacg  | agccgattcg  | ttaccaatca | 2886480 |
| gattcggata  | agtgcggcaa  | agtcctgtag  | gacgtacagc  | ttcgtgagca  | ttgaccataa | 2886540 |
| tcttgaatc   | agcagctttc  | tttacggcat  | acagataatg  | atcgaccatc  | cactgtccgt | 2886600 |
| aatgatgttc  | tccacgagga  | atgatatcac  | ctacatatcc  | actcttctact | gcatggtaac | 2886660 |
| cattatccac  | cataaactgg  | taagccttat  | ccatgtggcg  | ttcataattg  | cgtacagaag | 2886720 |
| cagaggtttc  | atgatgcata  | atcatttcca  | cacccttgct  | tgcagcataa  | cgatgcacct | 2886780 |
| cttctacatc  | aaaatcagga  | tacggagtca  | caaagtcgaa  | cacataatcc  | ttgctcttgc | 2886840 |
| caaaccagtc  | ttcccatccc  | tggttccagc  | cttccaccaa  | tacagcatca  | aaaccatttg | 2886900 |
| cagcagcaaa  | gtcgatataa  | cgctttacat  | tagcagtatt  | ggcagaatgt  | tttccattcg | 2886960 |
| gttttgtttt  | tgagtaatct  | gtttcaccca  | gttttacact  | tgagagctca  | tctgtatagg | 2887020 |
| cccatgtacc  | tttattggta  | atcatatccc  | accaaattcc  | gatataattt  | accggatgaa | 2887080 |
| tccatgaagt  | atcttctatc  | ttacaagggt  | cattcagggt  | tagtgtaatt  | cgagaagcca | 2887140 |
| gaatgttacg  | agcatcatcg  | cttacgataa  | ttgtacgcca  | aggcgaagta  | cacggagtct | 2887200 |
| gcataataacc | cttatctcct  | tttgcacag   | gagtcagcca  | tgattcaaaa  | atcagattct | 2887260 |
| tgatcatccag | gttcaagtc   | atgcaagaat  | aatctttcaa  | ggcagcttca  | tgcaagttaa | 2887320 |
| tataaagtcc  | gtcatcagtc  | ttcatcatca  | aggcagctcg  | aacgccagtc  | tgcgagaata | 2887380 |
| catattgtga  | tgaattttca  | gtgacagccg  | aactcatttt  | tccacgaatt  | tcagacaagc | 2887440 |
| gggaagtagt  | ataatcgat   | tcctgcgtat  | cgtaatctcc  | cggaaatccag | aaagccgtat | 2887500 |
| ggtcacccgt  | catagcaaat  | tgggtatgct  | cttcctttat  | cacaaaataa  | ttcagatttt | 2887560 |
| tctgctgagg  | gaactcataa  | cgaaaaccta  | agccatcatt  | gaacaaacgg  | aaacgaatga | 2887620 |
| cgataataacg | gtcattttcc  | ggctgggtcaa | gggttaacttc | cagttcattg  | tagtgattac | 2887680 |
| gtattttcact | ttcttctccc  | cacaccggat  | gccacacttc  | atcgaaagta  | gaagtacgag | 2887740 |
| tatctttaat  | cttaaattccg | gtcatcagat  | tcgtcttctc  | gtctactcgt  | tctttatctt | 2887800 |
| ttcgttccgt  | ccattcgaat  | ccgattcttt  | tttcaggatc  | ctctcttttc  | aattccaggc | 2887860 |
| caagagtgtc  | gggcttaata  | acagctttgt  | ccttaaagaa  | gagctcgtat  | acaggagccc | 2887920 |
| cgttactgtt  | caaactaaag  | ttcatcttca  | aattaccgtc  | aggcgacgtc  | agattttgcg | 2887980 |
| cattcatcgc  | aaacgcacag  | tagcacatgg  | ctacaaaggc  | aaaggttctt  | tttagattca | 2888040 |
| tagttttaag  | gcaatacttc  | ggtaaatttt  | taccgataaa  | ttaaaattaa  | acatagaatc | 2888100 |
| ggcataatcc  | ggttcaaaat  | tatattcaag  | agatcattga  | aatactgtca  | agaataaatc | 2888160 |
| gtcaaggagt  | aagaaaaggg  | atgaaaaaga  | tatgctaaac  | agctgaaaat  | caacagaaaa | 2888220 |
| agtattttcat | aattcactga  | tttttagtaa  | attagaagta  | cttcaccact  | tttaattatg | 2888280 |
| actaaagaat  | cactccttat  | gcaataccaa  | tccgagtgcg  | gaaacgctct  | cgaatcagct | 2888340 |
| gtaaatataa  | gcaaactctt  | tcagaaagta  | ttcatggatg  | caatgaaatt  | attcatggct | 2888400 |
| atacctgacc  | gcatcaattt  | cctacaaatg  | ggacgggatg  | gatgtttctc  | ggaacagaca | 2888460 |
| taccgcaaca  | attttgagaa  | cgacggcttt  | gactggtttt  | ccttcaatga  | agccatcatc | 2888520 |
| agggaacacc  | ttaaagggtg  | tcgcaaggcg  | atagccgttg  | atccgtcttt  | catttcaaaa | 2888580 |
| tcaggcagca  | aaacgccgtg  | gattggctat  | ttctgggtccg | gttgtgccgg  | tgaatacaaa | 2888640 |
| cgtggactgg  | aaataaccgg  | tattggagtt  | atagacgttg  | acaaccatga  | atgtatgact | 2888700 |
| ttgggctctg  | tacagacacc  | tgacaacgca  | acgctggaaa  | gctgtgagaa  | gaatcttggt | 2888760 |
| gactgggtaca | gctcttacct  | tatcagcata  | caggaacagc  | tgaacggtat  | ttctggcaca | 2888820 |
| gtcgtgtgtg  | atgcgttctt  | ttcaaaggca  | actttcatca  | aaccattgta  | cgataacggg | 2888880 |
| ttccacgtaa  | taagccgttt  | caggaatgat  | gccgtattgt  | tttatcccac  | cttagaaaa  | 2888940 |

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|             |             |             |             |             |             |         |
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| aggacaggaa  | aacgcggacg  | tccaaaatta  | catgacgaga  | aaattgactt  | tgaaaatctg  | 2889000 |
| gacatcacaa  | gatgtaccga  | gtacaaagt   | aacaagggt   | aactttacgg  | actgaaagca  | 2889060 |
| tactccaaag  | cactcaaacg  | ctttgtgagc  | ctggctgtat  | ggtaccccat  | ggatggaaga  | 2889120 |
| acggacaaat  | ggcagctgta  | tttttctaca  | aacgaaatac  | agaacgcaca  | ggatgtcctg  | 2889180 |
| gacttttaca  | gaacacgttt  | ccaactcgaa  | ttctgctttc  | gggatgccaa  | gcaacatgcc  | 2889240 |
| ggaatagcaa  | actgtcagtc  | tacagacttc  | aggaaactgg  | cattccactt  | taatgcatca  | 2889300 |
| cttgacagca  | taaacctcgc  | caaggctgcc  | tgtaagaaga  | tggaataaaa  | atattccata  | 2889360 |
| tcatcatgca  | agtcagtcac  | acacaatgct  | tacatgcttg  | aacgatttat  | ttgcgtgtct  | 2889420 |
| gggattgaac  | caaacacgca  | attaattgac  | aaacttttca  | aagaactcat  | tttattttact | 2889480 |
| gccagagccg  | cttaggctgg  | gctaattttt  | aacgaactat  | tgtaagggtt  | taaataatta  | 2889540 |
| ataagttttt  | agctcaaaaa  | caaaattaga  | catcccatca  | tacattttatt | ttcttccatac | 2889600 |
| aaaaaataga  | aatgcataaa  | aatattaata  | ttttattttat | caggtatttta | gcatataaca  | 2889660 |
| ggaaacctaa  | aaatagaaac  | tttttagaaa  | caaaatatca  | agatttcacg  | ttccttcaga  | 2889720 |
| gataattttat | cagcaaaact  | gaccttcctt  | ccgctcagga  | aatccgtagc  | ttccggttgt  | 2889780 |
| ggcaatatct  | cccagataagg | ttcaagactc  | agttcctgcg  | gagcatccgt  | tccattcatc  | 2889840 |
| acgacaacaa  | ccgacttacc  | attgtatgca  | cgctgataga  | cataagttcc  | ctgactgatg  | 2889900 |
| gaataatggt  | ttaatgtacc  | atgagtaagc  | acttcattcc  | ccttgcgcca  | gttcaataaac | 2889960 |
| ttacgggtaa  | aatcgaaagc  | ctcattctgt  | aaggtagtac  | gcccttcagg  | aacaaagcaa  | 2890020 |
| ttcactttat  | ctcctcgcca  | tcctccggga  | aaatctttcc  | gcaactctcc  | gtcaccattt  | 2890080 |
| cctttatcac  | ccgtcatcaa  | gatttcagtt  | ccataatata  | tctgcggtat  | gccacgcgta  | 2890140 |
| gtcaacaaaa  | aagtcatagc  | ttgtttatag  | cgtgtcaggt  | tacgagcctt  | ctcatcagtt  | 2890200 |
| gtagcaaaac  | gagaggatc   | atggttatcg  | aaaaatacca  | gcaggttcat  | cggatcggca  | 2890260 |
| tatacgatat  | cctgtgtcag  | atagtcgtac  | aacttataca  | gtcctcctcc  | ccattctcca  | 2890320 |
| gtttcttcat  | cgaaggcctg  | attcatcaga  | ctttgcaacg  | ggaaatccat  | tacagtcggt  | 2890380 |
| aaattcgaat  | ttcgtggagc  | agccagcttg  | ctgtctttct  | gccagtacga  | aaccagcaca  | 2890440 |
| ttactattca  | gccatgtttc  | acctacgata  | ttgaaataag  | gatattcttc  | gagtacctcc  | 2890500 |
| ttacaccatt  | cactcataaa  | atcaaaatca  | gcatacggat  | gtgtatcctg  | acgaataccg  | 2890560 |
| ttgatacctg  | catattcaat  | ccaccagatg  | ctattctgaa  | tcagatagcg  | tgccacatgc  | 2890620 |
| cggttacgct  | gattccagtc  | gggcattacc  | gacgtaaacc  | atccgtccgt  | cgcaatcttg  | 2890680 |
| cgctcatact  | cactggcatg  | tacatccatc  | acactggcag  | ttttgaacga  | agtctgcaca  | 2890740 |
| tattccgaat  | gaaagttaaa  | ccactcctta  | gaaggcttgt  | ccttgaacag  | atagttctcg  | 2890800 |
| ctaccgcaat  | gattgaaaat  | catgtccatc  | accaccttca  | atcccttttg  | gtgcgccttg  | 2890860 |
| tctaccagtg  | tcttaaattc  | ctcattgctt  | cccaaacggc  | ggtctatctg  | ataataatcc  | 2890920 |
| gtaatggcat  | aaccatgata  | cgatccgtcc  | ttcatgtcat  | tttcttgagt  | aggattcagc  | 2890980 |
| cagatcgctg  | ttactcccag  | gtctgcaata  | taatccagat  | ggtcggaaat  | accctgcaag  | 2891040 |
| tcgcctccgt  | ggcgagcaaa  | cgaatcatta  | cgggccaccc  | tattttccag  | catcccttct  | 2891100 |
| acgatatcat  | tatccggatt  | cccattggca  | aagcggctcg  | gcataatcaa  | gtaaagaaca  | 2891160 |
| tcttccgaag  | taaatccctt  | tatatcttct  | cccttatgtg  | aacgttcctt  | gagttcataa  | 2891220 |
| ggaatcgtca  | gtgttttttt  | cccttccttc  | aacaatatat  | taaaagtctg  | tgctttttgct | 2891280 |
| tccgacaaat  | ccagataaa   | caacaagtaa  | ttgggattat  | cctgctttac  | cacctccttc  | 2891340 |
| aggataattc  | cttttccaga  | cagtgtaca   | ttggaagaag  | cgatgtgatc  | gccatacaac  | 2891400 |
| aaaatctgca  | attcgggatt  | ttgcatacca  | gccacccaaa  | aactaggagc  | aaccttatga  | 2891460 |
| actttgatag  | ctccagccgc  | acgacaaatg  | ccgaaaaggc  | taaagatcgc  | cataaataaa  | 2891520 |
| agccatgtat  | gtttcatgat  | atttaagatt  | aatatgattt  | aaaatgtttt  | tcgttgcaaa  | 2891580 |
| aatataccat  | tgctgatttt  | ttttgttata  | tttggaattt  | aaatataaac  | ttattaaaaa  | 2891640 |
| cataagaacc  | agtaaataaa  | catgttaact  | taaatctagc  | atatcaataa  | tataaatggt  | 2891700 |
| tttaactcct  | aatccgctat  | attatttgta  | tgttgaagca  | tataaatgac  | catcatggaa  | 2891760 |
| caaaatatat  | ttactactgg  | aataaaaacat | cactttttct  | ggctactggc  | tgccatgatt  | 2891820 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ctattcacat  | tatccgtcaa  | agcggaaacaa | ccttcacacg  | aaaaggtatt  | agagcagctt  | 2891880 |
| gatcagggtca | ttacccaaaa  | agcttttatac | cgggcagaac  | gggaacggac  | actgcttcaa  | 2891940 |
| ttgaagcagc  | aacttcacta  | tgccacgaca  | gagaaagaaa  | agtacaatct  | ttccaatgaa  | 2892000 |
| ctgttcaatt  | tgtatctaca  | ttatcaggcc  | gattctgcct  | tgcactacat  | aaacaaaaaa  | 2892060 |
| gcagaatatg  | ccttaccgct  | gaacaagccc  | gaactaaaca  | acgaaatcat  | tatcaaccgt  | 2892120 |
| gcagagggtta | tgggagtaat  | gggaatgtac  | agcgaagcac  | tggacgaatt  | acaacagata  | 2892180 |
| cgccctgcat  | tactgagcaa  | aaagaatctg  | atctattatt  | atctttaccct | gcgtacctgc  | 2892240 |
| tacggatggc  | tggcagacta  | taccgtagga  | cgtgaagcca  | agcaaaaaata | tctgcaacag  | 2892300 |
| acagacctgt  | atcgcgattc  | aatcatgaac  | aacatcgatt  | cgtgtgtaga  | ccgtaacatt  | 2892360 |
| gttcaggccg  | aacgatacat  | cttgtcttct  | cagcccagaca | aagccattcc  | catgctcaac  | 2892420 |
| cagatgctca  | ctacttcact  | cgatatgaag  | cagaaagctt  | acgtaaacta  | taccctatcc  | 2892480 |
| ttagcctacg  | aagcgaaaaa  | tgaaactgac  | atgcagattt  | actatctggc  | acagaccgcc  | 2892540 |
| atcatcgatt  | taagcatgcc  | ggtaagagaa  | tatgcctctc  | ttcagaaact  | ggcacgaatt  | 2892600 |
| atctatcggc  | acggagattt  | aaaaagagca  | tacagttatt  | taagctgttc  | gatggaagac  | 2892660 |
| gctgtagcat  | gcaacgcccg  | tctgcgtttt  | gccgaagtca  | cagagtttta  | tccgattatc  | 2892720 |
| gaccacgctt  | attcacaaaa  | ggaagcgcag  | gaaaaaagaa  | tggtcgtcat  | cctgtttggt  | 2892780 |
| ggtatgggcg  | tactggctat  | tttgctgatt  | atacttgccc  | tgtatttgta  | ctatggatta  | 2892840 |
| aagaaactgt  | cggtcatgcy  | aaaaaacctg  | tatttatcca  | acaaagagct  | acaggccgcc  | 2892900 |
| aacatgaatc  | tggctcagac  | cggcaaaata  | aaagaggat   | atattgccc   | ctatctggac  | 2892960 |
| cgtgcgtca   | gttatctgga  | caaacttgaa  | caataccgcc  | gttactcga   | aaagcttgca  | 2893020 |
| atggcatcac  | gtatcgacga  | tctgttcaaa  | gccatacgtt  | ccgaacaatt  | cctgcgcgat  | 2893080 |
| gaacgaaaaa  | atttctataa  | tgaattcgat  | aagtcgttct  | tggagctgtt  | tcctaatttc  | 2893140 |
| attgccgact  | tcaacaacct  | gctgaccgat  | gaagggaaaa  | tatatcccaa  | acccggcgaa  | 2893200 |
| atactcaata  | cggaaactccg | aatctttgca  | ctgatacgtc  | tgggagtaac  | cgatgccaac  | 2893260 |
| cgcatagctc  | attttctagg  | ctactcactg  | gcaacggttt  | acaactaccg  | aagcaaaata  | 2893320 |
| cgtaacagg   | ccaaagggaa  | caaagacaac  | tttgaacaga  | cagtcattgga | gctataatcc  | 2893380 |
| atgacctgcc  | aaccggaata  | ctctctccta  | cgtatccgag  | agtaacacat  | atcttaaaag  | 2893440 |
| ctcacgccgg  | ctacaaagta  | aaatccttcc  | gtggagggat  | tgcataatagc | cttggcaaaa  | 2893500 |
| agcggcaacg  | accaatgttt  | tgtaatcttt  | atttcttttg  | aagctttttac | acttacctca  | 2893560 |
| cacacggcaa  | accattgat   | catttccttg  | gaatagctgg  | agttttctcc  | tcctgtatag  | 2893620 |
| aagtcatttt  | cccaggaggt  | agcacctgcc  | tctacactcc  | agtccagtcc  | tcccaatgtg  | 2893680 |
| aaaggaacag  | aaacggagaa  | ataggaagca  | taagctctat  | tgccatcgac  | tttatagcca  | 2893740 |
| acatatccgg  | caaagtctgt  | aaaccagttc  | acagccaata  | ccccgaaatc  | gtagcctacc  | 2893800 |
| tgagcctcaa  | atgtatggct  | ggtattgtgc  | gtcccataat  | gaaaatatcc  | cggttcgcca  | 2893860 |
| ctgacccagt  | agtcctgcac  | cgaacactg   | aagcccttcg  | cctcgtatcc  | taacgtcaaa  | 2893920 |
| tcaaaactctt | ttgtatcatt  | cttgtcgaat  | ccaaccgttc  | cccatcccgt  | caaagacagg  | 2893980 |
| cctttataag  | acagagacac  | ttcaggctga  | acgctgatac  | ctcctaaatc  | ctgcccacgc  | 2894040 |
| cagacataac  | cgctcaccag  | atctataaccg | acacccgcct  | caactttatc  | ttgcgctttc  | 2894100 |
| acctcgacgg  | aacaccagac  | caacgtaca   | agcaaccaca  | ctatacgggt  | tcggaatact  | 2894160 |
| tttatcttct  | tcatttgcat  | atatcaacaa  | ctattaaaca  | aaacgggccc  | aaagtttagaa | 2894220 |
| aataaaaattg | tttcaaagg   | cttttaattc  | actatcattt  | atcggaacaa  | ggtacaaagt  | 2894280 |
| actataccgc  | agaaagaagc  | agctctttta  | tccccataaa  | gatacactta  | tgagaatcaa  | 2894340 |
| ctatttttat  | cagactttac  | ggtacagcga  | tgaataatgt  | ccataaattc  | ctgtcctgta  | 2894400 |
| atcgtttcct  | tttccatcaa  | gaaagcagcc  | gcctcatgca  | taatcccat   | attttcggaa  | 2894460 |
| ataatctttc  | tcgccttgct  | gtgagcttcc  | tttatcatac  | ggagtacttc  | ctggtcaata  | 2894520 |
| tctgccggcg  | tatccgtcga  | acaagtaagc  | gacgtatcac  | ctcccagata  | agcattattc  | 2894580 |
| accgtttcca  | gtcccatcat  | atcatatttg  | ccgctcatgc  | cataccgggt  | gaccattgcc  | 2894640 |
| cgtgccagcc  | gggtagcctg  | ttcaatatcg  | ttcgaagctc  | cggtagtaac  | cgtattgcac  | 2894700 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| acaatctctt  | cggcagcacg  | tcctcccgtg | agtgtggcaa | tccggttaaa  | cagatcctct  | 2894760 |
| ttactctgca  | agacctgctc  | tccgctatcc | acctgcatgg | tatatcctaa  | agctcccgaa  | 2894820 |
| gtacgtggaa  | taatcgtaat  | cttatgaaca | ggagcagagt | ggctctgcat  | ggcagctacc  | 2894880 |
| agcgcatggc  | ctatctcatg  | ataagccact | atTTTTTctt | cgtcggccga  | taaaactttc  | 2894940 |
| cccttctctt  | gtgctccggc  | tattaccggt | tccacgcttt | cttccaaatc  | agaagttgtg  | 2895000 |
| acaagcgctc  | gccccatacg  | tacggcacgc | aaggcagctt | cattgacgat  | attcgccaat  | 2895060 |
| tcagcaccag  | aagaacctgc  | ggtagcccgt | gcaacaatat | ccagatcgat  | tgaatcatgt  | 2895120 |
| ttaaccttct  | tcaaattgtac | attgagaata | gccttccggc | cctccagatc  | gggcagggtcc | 2895180 |
| atctgaatac  | ggcgggtcaaa | acgtcccggg | cgaagcaagg | ctttatccaa  | gctttcagga  | 2895240 |
| cgattgggtc  | ctgcaagaat  | gacaaccctt | ttccggccat | cgaaccatc   | catttcgggtc | 2895300 |
| aaaagctgat  | ttaaagtctg  | ttcccgttca | tcgttacctg | caaaggcacc  | atccctcttt  | 2895360 |
| ttacctatcg  | catctatttc  | atcaataaaa | ataatgcaag | gcgctttctc  | agttgcctgt  | 2895420 |
| ttaaacaat   | ctcttacctt  | agcagctccc | attccgacaa | acatctgtac  | gaactccgag  | 2895480 |
| cccgatatag  | caaaaaacgg  | gaccttggcc | tctcctgcc  | ccgcacgggc  | tatcaacgtc  | 2895540 |
| tttcccgttc  | ccggagggcc  | caccagcaaa | gcacctttag | gcagagaagc  | acctattttc  | 2895600 |
| gtatatctt   | ttggattatg  | taagaagtcc | acaatttctt | tcaaggatc   | cttagcctct  | 2895660 |
| tcctgacctg  | ctacatcggc  | aatgtttgtc | ttgatatcag | catccgcata  | aatcttcgct  | 2895720 |
| ccactgttgc  | caaaagacat  | aaagtttctt | ccagccccc  | tacgagattg  | aatagtctta  | 2895780 |
| cgggtctgat  | gccaaataat  | atagaaaatc | aatcccggca | aatccacat   | cagcaaaaaa  | 2895840 |
| ttcagaatag  | gcgaattctc  | ttctggaata | atctgattaa | acgcaatctt  | tccgtcgggg  | 2895900 |
| ttaggactat  | ccgcctttta  | caatctgtct | accaattgag | ggtcattttac | ttcaccgggtc | 2895960 |
| tggaaagttt  | tcgtttttcc  | accgttttcc | tgagctgtaa | agaaaatctg  | attactctta  | 2896020 |
| atcataactt  | cctttacgat  | tccactgtct | actttttcga | taaatgtccc  | ataatcggtg  | 2896080 |
| gatatgatct  | gctgtccggt  | gagttttgga | aaaaccagtc | cgttcagaat  | taacacgatc  | 2896140 |
| aatattactc  | ctaagaatcc  | catataggga | tttcccttct | ttactgggtg  | attctgcaca  | 2896200 |
| tcttgtttca  | taattagttc  | atctttaacc | tttacaatgc | aaatatcgac  | aaacccgatt  | 2896260 |
| taccgatggg  | catccaaaaa  | gcataaaaaa | tgtgcagaat | ctcttattcc  | atcacttttt  | 2896320 |
| ctttttcccg  | attctgatag  | atggctttta | tcaggctgca | agccatcggc  | aatcaatgc   | 2896380 |
| ttccgggtatt | gatcatcagg  | ttataatgat | gaggttctcc | ccatttttct  | cccggtgtaat | 2896440 |
| attcataatg  | agcgatacgg  | ttgtgattta | tccgcttgat | ctccgcctca  | gccttatctg  | 2896500 |
| ccgcaatgcc  | atattcctgc  | acgcagcgcg | cacaagcatt | tttcaagtcg  | gaataacaga  | 2896560 |
| aaacctttat  | caggttcggg  | tagtctttca | gcacaaaatc | ggcacatcgg  | cctacaatga  | 2896620 |
| tacaagacc   | cttttctgcc  | agttcttcga | tgatcttact | ttctgccaca  | aacagcacat  | 2896680 |
| catccgacga  | gaggctacgc  | tccagcgact | gttactgtct | cttgcccaag  | atacacttca  | 2896740 |
| gccagaaaga  | aggaatagac  | tgctcgtttt | tcttgatata | ctgctcggtg  | atgccactct  | 2896800 |
| tctgggctac  | cagatggata  | aactctttgg | acaacatttc | acccaacaga  | tgtccaccgc  | 2896860 |
| ttccatattc  | tctcgcaatg  | gtaatgatga | catgctgagc | atttttcagt  | gccaccgtaa  | 2896920 |
| ccttgctcggc | tccttcgtta  | atccatttat | cgaacacg   | gtaatacggg  | ctgatgaaat  | 2896980 |
| gtacaatcgg  | acctaccagc  | aacgcagcag | ccaccgttcc | ttcacgtacc  | ccgtagatgc  | 2897040 |
| ccgacaggaa  | acacaaagac  | agcacgcagg | cgatacaaac | cagcgaaata  | tcgaaacaca  | 2897100 |
| actttacgta  | accaaattca  | ccatgaaagc | gcttgagat  | aaccgggacg  | aaatattcac  | 2897160 |
| ccgccatcat  | cgcaacattg  | gctttcactt | ccagagttat | accggcagcc  | aagactacac  | 2897220 |
| atcctaccag  | cagataggct  | atctgactgg | catacttcac | cggctctacc  | caatacagta  | 2897280 |
| tgttcatgca  | cacatcgata  | aacgttccga | aacacaagga | aatcggtatc  | tgaagcaaga  | 2897340 |
| acatccgcaa  | gtcctctctt  | agttcttttc | tcgtcatgaa | aggaagtctg  | agcagtataa  | 2897400 |
| acaacagatt  | cagagcgatt  | gtccattgcc | ctatagtaag | cggagtaaac  | atactcagca  | 2897460 |
| cataagtaac  | actcgttaata | ggtgaagttc | ccagcaatgc | tcttggtata  | agggcgatac  | 2897520 |
| ccatggcatt  | gacaaacaag  | gaaactgcaa | acaagacgta | acgtctacac  | atgaatttat  | 2897580 |

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|             |            |            |            |            |            |         |
|-------------|------------|------------|------------|------------|------------|---------|
| tcataaagcc  | ttcaattaat | cggcgcaaag | ttcatgttat | ttttttat   | ccattcataa | 2897640 |
| aaaaataact  | gttcttggtt | aaaaacgaaa | caaactttat | ttttgtaaag | aaaaaacctt | 2897700 |
| tttatgaaat  | tatttgatcc | tgacaaaaac | ggttttcctg | tttccggtga | agaaaatccc | 2897760 |
| ccttatcatg  | ttgtaaaatg | ttctttcgag | aaagaagaat | ccgtcgtttt | gaagaaagga | 2897820 |
| ttttttatta  | ttttagttgc | aaacggaaca | gcgttggtat | cgaacagcaa | cgacagtcac | 2897880 |
| ctgatccgga  | aagatgatct | cattgtgctg | actccaagta | tgaccaacac | cctgcacgag | 2897940 |
| aaaagttccg  | attttgccat | gacttgcatt | tatatctatc | ctgattat   | cgatacgctc | 2898000 |
| tcggacggac  | aggccatgta | ccatcaactg | gccagattca | tcaacaaata | taatattccc | 2898060 |
| gccgttcac   | tggagccgga | ggtatgcgat | tacctgcaa  | agactactgc | cttgtttacg | 2898120 |
| aacaaactga  | aatacttccg | gccctatcaa | aacgggatta | tccgccattt | gtgcaatttt | 2898180 |
| ctgttggttac | aaatagccga | tgtcctctgc | cggaatactc | aacatgcttc | ggtctgtatc | 2898240 |
| aaacggacag  | atgagatttt | ccgcaatttc | aagaagctgc | tgataaacia | ttacaagaaa | 2898300 |
| catcacgaca  | tcctgttcta | cgcaggccgg | ctgaacatat | cgaccaccta | tctttcccg  | 2898360 |
| attgtaaaac  | gtacaaccgg | acgcacggtc | cgctttcatg | tatcggaact | actctgcgca | 2898420 |
| taagcgaaac  | gcttgctcga | aagcacggat | atgggaataa | aggagatagc | cgataacctc | 2898480 |
| ggcttttccg  | accagtctgt | cttcggcaaa | ttcttcgtca | agatgacagg | ggtttctccg | 2898540 |
| ctcaagtaca  | gaaaaagatg | aaactgcaaa | gaagctacta | gaaaaagaaa | agagccaagc | 2898600 |
| atctgattac  | tcattctgct | tagctctttt | cctagtagcc | agaccggggg | tcgaaccggg | 2898660 |
| atggatgta   | ctccactggg | gtttgagacc | agcgcgtcta | ccgattccgc | catctgggca | 2898720 |
| attatcatca  | gggacatggt | tccccttaat | tgcggtgcaa | aggtaggcaa | atattttaaa | 2898780 |
| acaacaagca  | tttgtgataa | aaaagtga   | aaaaattttt | atctaact   | atttagaacg | 2898840 |
| ctttccaacc  | tttgttcgaa | aaataaaggt | tatcttagca | taaacattaa | aagttacgcc | 2898900 |
| gatatcatga  | ataataacta | ctactgtatc | atcatggccg | gaggaatggg | acgccgcttc | 2898960 |
| tggccttaca  | gtcgcaaggc | attgccaag  | cagtttctcg | atTTTTTTTg | caccggacaa | 2899020 |
| accttactgc  | aacaaacctt | cgacagatac | aagaaaatag | ttcctccaag | caatatctat | 2899080 |
| attacaactt  | ataaagacta | taaacaaatc | gttctcgaca | tgcttccgga | gataacggaa | 2899140 |
| agccagctca  | ttgtagaaga | ggaaaggcgc | aacaccgcac | cgtctatcgc | ttacgcgtcg | 2899200 |
| cacgtcatcc  | agaagataaa | tcctgatgcg | accatcgtag | tggctccgtc | ggatcacctg | 2899260 |
| attctgaaag  | cggacgagtt | taaggaggct | atcctgaagg | gactgaagtt | cgcttccgaa | 2899320 |
| aacgacaagc  | tcgtcacact | gggcatcaag | cccaaccgcc | ccgaaacagg | atacggatac | 2899380 |
| atacagattg  | acgaggaaaa | gaaaggagac | ttctataagg | tgaagacggt | catcgaaaag | 2899440 |
| cctgcacgtg  | aattcgccga | aatattcggt | cagagcaatg | agttttactg | gaactcgggt | 2899500 |
| atctttgtat  | ggcatgtaaa | tacgattctg | aaagctttcc | atgaaatgat | gtcggaaatc | 2899560 |
| tgtccgcgtg  | tggaatgcga | tgtgcccgat | tttacttcgt | gccccaatat | ctccattgat | 2899620 |
| tacagtatca  | tggaaaaggc | cgacaatgta | tatgttcagt | tgtgcgactt | cggtggggcc | 2899680 |
| gatctgggta  | catgggatgc | gctttacgat | gcttcacca  | aggatatgaa | ccgcaatgtg | 2899740 |
| attatcaaca  | gcaatacgtt | gctatacaac | tgtaagaaca | gcacgtact  | ggtacctgaa | 2899800 |
| ggacagcttg  | ccgtcgtgca | ggatctggac | gggtatctgg | ttgcgtcacg | cgacaatgtc | 2899860 |
| ttgcttatct  | gcaagaaaga | cgaccaggat | tccatccgga | aattcgtgaa | tgacgtagag | 2899920 |
| atgaaattcg  | aagagaaata | ttcctgatcc | cagcaccgta | catacctttc | catcaactct | 2899980 |
| gcgtttgctt  | gcggtaatat | gggaaaagag | aataatgagg | acttaaaaag | tttttgtaca | 2900040 |
| aagatttttt  | gtttttgtac | aaaaaataaa | aaaacgtccc | gacaaataaa | caaaaacgtg | 2900100 |
| cccacgtttc  | atttggaacg | tgggcacgtt | ttttaacaat | tgtccgcagg | atgattccgg | 2900160 |
| aaccgcatca  | atactcgaag | gtaataccga | tagtaggcag | taatgttccg | ctttcctgct | 2900220 |
| tgatagactt  | catgacatag | cgttgttcag | aaaggggtgc | cgacggattt | tctatctgtc | 2900280 |
| ccgtactcat  | cagtacatca | ggctgacgaa | gcttgctcgc | cgtaatgttc | tggatatcga | 2900340 |
| ggtaaatcc   | gaacatacac | ttcttcag   | agaacatttt | gtcgacacgg | atatccaact | 2900400 |
| gaccgaatgc  | gggcagacgc | tccgtgtgtg | aacgaccata | atcgtaatag | gcttttcctt | 2900460 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gtacattcca  | cgcttctacc  | agcgacgact | tctccacatc | gtaggggtgta | tatggggaac  | 2900520 |
| ctcctatgca  | actgactttc  | attcctacac | tccactgctt | agggaaatta  | taggtaccgc  | 2900580 |
| tcacgttgaa  | gatgaaacgg  | ttgtcccatg | ccgacggaac | ataactgcct  | tccttgccgt  | 2900640 |
| tgcggaactc  | actcttgaaa  | agggcacaag | acgaagacag | gttcagacgc  | tgtaccagta  | 2900700 |
| gccacttgaa  | catcagttcg  | acgccatacg | aacggccctc | ggctgtggat  | accagacgtt  | 2900760 |
| cgttaccaat  | cacgccgtag  | tcatttccct | tgcaggccaa | gggatgccg   | tcggttaccg  | 2900820 |
| acagcggcat  | atcgtgatag  | aacttataga | acccttcggc | cgacagttcc  | atgttttcat  | 2900880 |
| tcggctgcca  | tgtcagtcgg  | acactctcct | gcgatacgga | gatataatcc  | aggttacggt  | 2900940 |
| tcaagtacgt  | cccgtcgttt  | cccttgaatc | ccagtgccgt | ataaggcgga  | agctggtaat  | 2901000 |
| acaagcccat  | gtgtccgctc  | agaaacaagt | tatcaatcag | gcggaaagac  | accgacaggc  | 2901060 |
| gcggagaaaag | ctgtcgccag  | agttccttca | tcttatcatt | gtaattgttt  | ccgtcggtac  | 2901120 |
| gtacgccgag  | cgatgccgtg  | aaacgttcgt | cgggtgccgt | atagtccatc  | gaagcaaaga  | 2901180 |
| gtccccagcg  | gaacagatcc  | aaggccgtac | gatagtcgaa | tacctgtgcc  | tcacgcgtta  | 2901240 |
| agactcgctg  | ataagtcgta  | ttggagtatt | gtgaataatt | caactcgatg  | ccggcattca  | 2901300 |
| gtttccatac  | gttccatgta  | gacgtatttt | ccatacgcat | ttttgtctcc  | tgttctaccg  | 2901360 |
| aacgcaggcg  | gaggggtcagg | ttatcttccg | aactttcgtc | gttggttatga | tacttcagggt | 2901420 |
| tacgggttatt | caggtagctg  | tggctcaaag | tgaccgactg | tacatgtggg  | ccggcataat  | 2901480 |
| ggcgatagac  | acctcccagc  | gtaaagggtt | cctgattaat | cttcggcaga  | taccccaaaa  | 2901540 |
| tgtattcggc  | atcctcacct  | tcgatgtcaa | aattcagttt | catgcggtcg  | atacctccca  | 2901600 |
| agccgagcag  | ggtaagttca  | ttccgatcgt | taaaacgggt | tttcaactta  | aacgaagcat  | 2901660 |
| ccgtataagc  | cgaagcaac   | ggcaagccca | aaaccttgaa | aagcatctgc  | aaatacgact  | 2901720 |
| gacggacaga  | tactagataa  | gaggttttgt | cgcccagatg | tccgttgga   | gtaagtata   | 2901780 |
| cttccgaagc  | tcccagtggt  | gccttcacgg | agttgtgctc | catatcaccg  | tcgcgcagac  | 2901840 |
| tgaatcagag  | caccgaactc  | agtgcatttc | ctctgttggc | tggaaaagct  | ccgctgtaaa  | 2901900 |
| acttcacatt  | tcgtatcaga  | tcggcatcaa | tcagtccac  | cggacctccc  | gaagctcctt  | 2901960 |
| gcgtactaaa  | gtggttaata  | ttcggaattt | ctacgccatc | cagataaaaa  | cggttttccg  | 2902020 |
| acggtccgcc  | tccgcgtaca  | atcaggtcgt | ttcgatagcc | aatcggcgaa  | aaggccactc  | 2902080 |
| ccggataatt  | ctgcactact  | cgcgaaatat | cacggttcgc | cccgggagct  | ttctctattt  | 2902140 |
| cctgcaagcc  | gataaccgga  | aggctgaccg | gactctcggg | taccgctga   | aaaggagagg  | 2902200 |
| ctgtgatggg  | tactccttcc  | agctgcgttc | cctcctcctc | catttctatc  | tgtatgtgcg  | 2902260 |
| gagtgcgggtg | attgacacgg  | tattcggaag | taaagaccgt | tttatacccc  | aacatagagg  | 2902320 |
| cttgacagag  | gtaaatccg   | ggaggaacct | gctcgaccgc | aaaatgtcct  | tcggcatctg  | 2902380 |
| tagacgagcc  | tattccaag   | ccgactacca | gcacattgac | aaactccagc  | ggctttcggc  | 2902440 |
| ttgtcttgct  | gataaccgta  | ccttctatcc | ggtaggtctg | agcatgcacc  | agcatacaaa  | 2902500 |
| cagccaggag  | catgaagaaa  | gtaactgttc | ttttcgtcat | aatatcttct  | ttaggggtatt | 2902560 |
| ttataaatca  | aaaaagccat  | cctgtaaaga | aggatggctt | ttattcttgt  | gtatatctat  | 2902620 |
| aggaggagggt | atcaagcttt  | gccttcccag | gctttatgaa | tactttcggc  | aatggcctta  | 2902680 |
| aattcttcat  | cgctcaattt  | caacttcgga | ttagagaaga | gcatgtccga  | ttccttctgc  | 2902740 |
| atgggaatca  | gatgaatatg  | agcatgggga | acttcagac  | caatcacagc  | ctcacctact  | 2902800 |
| ttacgacaag  | ggaatgcctt  | ctgaatagcc | agtccacat  | gtttggcaaa  | tacatgcata  | 2902860 |
| gcagccagtt  | cttcatcact  | caagtcgtaa | atatagtcga | cttcgcgttt  | cggaaactacc | 2902920 |
| agggtatgtc  | cctttaccaa  | cggatttata | tccaaaaaag | catagaactg  | ctcgtcctct  | 2902980 |
| gctaccttgt  | agctgggtat  | ttcgcccgca | acgatcttac | tgaatatagt  | tgcataatc   | 2903040 |
| tgtatatatt  | aaaaaaggca  | agcctgcgac | aaagcagact | cgccttatag  | ttaaaacgat  | 2903100 |
| attcctgtta  | cttcaagact  | gattttaccc | tgcgggattg | tgatttcggc  | aatatcaccg  | 2903160 |
| acctttttgc  | ccagcaaacc  | ctgtgcaatc | ggagtattta | cagaaatctt  | tccctgcttc  | 2903220 |
| aggtagctt   | ccgtttccga  | tacgatagtg | tatgccatct | tcatacctgt  | ctttacattc  | 2903280 |
| ttcagctcta  | cgcggtcag   | aatctgtacg | gtatcagcct | tcaacttcga  | tgtatcaata  | 2903340 |

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|             |             |             |            |            |             |         |
|-------------|-------------|-------------|------------|------------|-------------|---------|
| atcttcgcat  | cgccgatagt  | tgccttcaac  | tggtttat   | tcatttccag | catgccctga  | 2903400 |
| gcttccttgg  | cagcatcgta  | ttctgcattt  | tccgacaagt | cgcttttatc | acgagcctca  | 2903460 |
| gctattgctg  | ctacgatttt  | cggacgctca  | accgactcca | gttgctttaa | ttctgctacc  | 2903520 |
| agtttctggt  | aaccttcttc  | tgacatataa  | gccatagttt | ttcctccttg | tattttcggt  | 2903580 |
| attaattaaa  | ttgttcttgc  | ttataaaaca  | aaaaagaatc | ccgatacaca | tagatgtatc  | 2903640 |
| ggaacccttc  | tctgttatga  | ctttggcaaa  | gatacgctt  | tttacgatat | cagtcaagta  | 2903700 |
| tcaaagcgta  | ctatttttac  | atgcttttca  | acatgttata | ataatttctt | aattgcttct  | 2903760 |
| tccagattgg  | ttttctctcc  | gattcgcatg  | ctcaactcgt | tatttcggct | cacgagaaaa  | 2903820 |
| gcagtaggca  | acttggtcac  | accgtacaga  | tttacgtaag | tcgaataagg | tccttgcggg  | 2903880 |
| tcgcgtagac  | aaatccacgg  | cagggtgtcg  | gctgctgtct | tccagaaatg | ttcatcggtg  | 2903940 |
| tcgagcgaga  | tctgatagat  | ttccagtcct  | tgtggagcat | acttgtcata | aatctcacgc  | 2904000 |
| aacaacaggt  | tacgtgtctc  | cgattctgca  | ctgccgtatg | ctgtaaagtc | tatcagtaca  | 2904060 |
| acctttcctt  | tcaagtcggt  | aagatggcgg  | gtcgtaccgt | ttatatccat | caaaggtata  | 2904120 |
| tcgataatag  | aagtttctg   | aattttatcg  | gctggaatat | ccaaagggtt | cacctgtggc  | 2904180 |
| gcacgagtat  | ttttcatacc  | ctttatgacc  | atattatata | agttacgcga | acggtcggca  | 2904240 |
| tgcggataca  | ggttggtcat  | gctttagtca  | acggctgcaa | agcacttcac | atcctctttg  | 2904300 |
| ttattcaacg  | gatcgaaaat  | catatatccg  | ttcagtactt | ggaacaaagc | aaaataagcg  | 2904360 |
| taaggtttat  | taggacctac  | aaaaatataa  | ttccgcttta | cattattctt | atacgcatte  | 2904420 |
| accatgcggg  | aaaggctatc  | ttgtacaatg  | ccaaccggaa | tgcccgactg | cgcaagctta  | 2904480 |
| ttaacacgtt  | cctgcaaadc  | ggtttgcagc  | aagaccagtt | ctttaatctt | ctggttgctc  | 2904540 |
| tctgatccct  | gtatattata  | atctgtcgca  | aagttcttat | aatccgcttt | cacctcaacg  | 2904600 |
| gtttctgtag  | aatctaccga  | gaagtttatg  | actttgtcct | cgattctcaa | ccgatagaaa  | 2904660 |
| tcgggcgctt  | cgggacgcgc  | agcagaaaaa  | ctaaaagtcc | cattacttcc | caattccaca  | 2904720 |
| gaatcgagtg  | caacaatacc  | atccagacca  | gtctgctcca | gatacaacat | tttatcggcc  | 2904780 |
| gcacgcgtca  | cttctccctg  | cactttaaaa  | gcaggctcgt | tggtgcaggc | cgtaacgcct  | 2904840 |
| gcgaacaaca  | gagctgcagc  | gatataagca  | tttcttttca | ttagcgatta | ttattcattt  | 2904900 |
| cgggatgcaa  | agatacggct  | ttttacgagt  | tcacaaagtt | tttattcaag | ttcttacaaa  | 2904960 |
| atgacatatt  | tttttttagtc | cgattatctg  | tccatatata | taatgtaaga | cttggaatat  | 2905020 |
| acagaataat  | agaaaaaggt  | gaacagaata  | aaacttttat | ctcattttca | cccgattact  | 2905080 |
| acaataatat  | ttgtatcttt  | gcgcgaactt  | taagaagact | tttatattaa | aacatttttt  | 2905140 |
| atgatcaatc  | ctattgttaa  | gacgatcgag  | ttaggcgatg | gaagaaccat | caccctcgaa  | 2905200 |
| acgggaaagc  | tggcaaaaca  | ggcagatggt  | gctgttatgc | tacgcatggg | taataccatg  | 2905260 |
| ttgctggcta  | ctgtttgtgc  | agcaaaagat  | gcagttcccg | gtacagattt | tatgccgctt  | 2905320 |
| caggtagagt  | acaaagaaaa  | atattcagca  | ttcggacgtt | ttcccgggtg | ctttacccaa  | 2905380 |
| cgtgaaggca  | aagcttcaga  | ttatgaaatt  | ctgacttgcc | gtttggttga | ccgcgcactg  | 2905440 |
| cgtccgttgt  | ttcccgataa  | cttccatgca  | gaggtttatg | taaatatcat | tctgttttca  | 2905500 |
| gcagacggcg  | tagatatgcc  | cgacgcactg  | gctggtctgg | ctgcttccgc | agcattggct  | 2905560 |
| gtatctgata  | ttccgttcgg  | aggccctatc  | tcagaagtac | gtgtagcacg | tatcgacggt  | 2905620 |
| cagtttgta   | tcgacccgac  | tttcgaacag  | ctcgaaaaag | cagatatgga | cttgatggta  | 2905680 |
| gccgtacct   | atgaaaatat  | catgatggta  | gaaggtgaaa | tgaacgaagt | tagcgaacaa  | 2905740 |
| gatttactgg  | ctgccctgaa  | atgtgctcac  | gaagctatca | aggtacattg | caaggcacag  | 2905800 |
| atggaaactga | tgggaagaagt | tggttctact  | gtaaaacgtg | aatactgcca | cgaagaaaac  | 2905860 |
| gatgaggatt  | tgcgcaaggc  | tggttcacgat | gcttgctacg | acaaagctta | tgccattgca  | 2905920 |
| gcacagggaa  | accacaacaa  | acatgaacgt  | caggatgctt | tcgatgctat | ctgtgaagag  | 2905980 |
| ttcaaggctc  | agttcactga  | agaagagctc  | gaagaaaaag | cacctatgat | agaccgttat  | 2906040 |
| tatcacgatg  | tagaaaaaga  | agccatgcgt  | cggtgcatcc | tcgatgaggg | taaacgtctg  | 2906100 |
| gatggtcgta  | agacaaacga  | aattcgtcca  | atctggtgcg | aagtgggtcc | gttgcccttat | 2906160 |
| ccacatgggt  | cttcaatctt  | tactcgtggg  | gaaacacaat | cattaagtac | cgttactttg  | 2906220 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| ggaactaaac  | ttgatgaaaa  | gattgtagac | gatgtactcg | accagcataa  | agaacgtttc  | 2906280 |
| ttgttgcat   | ataacttccc  | tccgttctct | acaggtgaag | caaaagcaca  | gcgtggtgta  | 2906340 |
| ggccgtcgtg  | aaatcgggtca | cggacacttg | gcatggcgtg | cattgaaagg  | ccagattcct  | 2906400 |
| gccgactatc  | cttattgtgt  | acgtgtagtt | tctgatattc | ttgaatcaaa  | cggttcttct  | 2906460 |
| tctatggcta  | cagtatgtgc  | cggaacattg | gctctgatgg | atgcaggtgt  | acctatcaag  | 2906520 |
| aatccggtat  | caggtatcgc  | tatgggattg | attaaaaatg | ccggagaaga  | aaaatatgct  | 2906580 |
| gttttgtcgg  | atatcctggg  | agatgaagat | catctgggag | atatggactt  | caaggttaca  | 2906640 |
| ggtactaaga  | atggtatcac  | agcaacacag | atggatatca | agtgcgacgg  | tttgacttac  | 2906700 |
| gacattcttg  | aaaaagcact  | gatgcaggca | aaagaaggtc | gtgaatatat  | cctgaacaaa  | 2906760 |
| ctgacagaat  | gtattgctga  | acctcgcaag | gaactgaagc | cgaatgctcc  | acgcattgaa  | 2906820 |
| acaatgacta  | ttccgaaaga  | attcatcggt | gctgtaatcg | gcccgggagg  | aaagatcatc  | 2906880 |
| cagggtagtc  | aggaagaaac  | cgggtgaacg | atcacaatcg | aagaagtaga  | cgggtgtaggc | 2906940 |
| cgtatcgaaa  | tcgccggaaa  | caacaagaag | actatcgacg | atgctgtacg  | cctgatcaag  | 2907000 |
| ggtatcggtg  | ctgtaccgga  | aatcggtgaa | gtatatcagg | gtaaagtctg  | ctcaatcatg  | 2907060 |
| ccttacggtg  | ctttcgttga  | attccttccg | ggtaaagacg | gtttgctgca  | catctctgaa  | 2907120 |
| atcgactgga  | aacgttttga  | aacaatcgaa | gaagctgggt | tgaagaagg   | tgatgacatc  | 2907180 |
| gaagtaaaac  | tggtggatat  | tgatccgaaa | acaggaaaat | tcaaattgtc  | acacaaggta  | 2907240 |
| ctgttgccaa  | aacctgaagg  | tatgggagaa | aacaatcacc | caaaacgtga  | acgtaagcct  | 2907300 |
| cagcagaaca  | aggaacagaa  | ataatgaatc | cttcatatct | ttactaaaaa  | ggttgccctt  | 2907360 |
| ccggcaacct  | ttttttatgc  | aatcaaaata | aatcgaatca | caagtaacaa  | gctgaaacac  | 2907420 |
| cgtatgcat   | cagcagacta  | ccagtaacaa | ggagcaaata | tgacagacaga | aatagcccgga | 2907480 |
| cttgtctcgg  | ataaatccgc  | atacaagccg | ggctatatta | tatctttcgg  | tcggaaatta  | 2907540 |
| ttctgtaact  | tcctggaaat  | cttcttttcc | tacgccgcaa | accggggcaaa | cccagtcac   | 2907600 |
| aggaagatct  | tcaaacgctg  | ttcccggagc | gatgccacca | tctggatctc  | caattttctg  | 2907660 |
| atcataaacc  | caatcacata  | ctgtgcaa   | gtactttttc | ataattttat  | cgttttattct | 2907720 |
| aagtagtat   | ttattgttac  | tttactacaa | gaacaaatat | agaaagaatt  | tgttttatact | 2907780 |
| gtttctttta  | gtaacatatt  | ttttaattct | tccatttcct | ctgacgctcc  | tttacgaata  | 2907840 |
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| atcttgactt  | cgtattcttc  | cggcttcagt | tctttgataa | atttcggatt  | attaggttgc  | 2908140 |
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| cgttcagtga  | gattatcgat  | attttgcggt | ataaccgtca | catcaaaaaa  | cttttccaat  | 2908260 |
| tctgctatca  | actcatgccc  | ccggttaggc | ttcacagtca | gcaactgctt  | acgccgttcg  | 2908320 |
| ttataaaaaat | caattaccag  | tttcggattg | gcagcatatc | cttcgggagt  | cgcaacctgt  | 2908380 |
| tccaccggat  | aacgatccca  | taatccacc  | gaatcacgaa | acgtactaat  | gccactttca  | 2908440 |
| gcactcatal  | ctgcacctgt  | gagtattacc | agctttttca | tacactaata  | ttttcgttct  | 2908500 |
| attttagata  | caacgacaaa  | aataagaatt | tttaatcgct | taaagcggct  | catattcaaa  | 2908560 |
| gaaaagagat  | acctttgcca  | tgctttttta | gaatattaca | tactaataaa  | tataattaca  | 2908620 |
| tggtataaatt | cagttacgcc  | attgggtctg | gtataggcca | aaatctgtta  | agcatgggtg  | 2908680 |
| cccgcggcat  | cgaagtaa    | gactttgcac | aggctatcaa | agacgtatta  | gagggaaatc  | 2908740 |
| aaacagctat  | cactcatact  | gaagcccgcg | atattgtaaa | caaatacttt  | accgagctgg  | 2908800 |
| aagaaaagat  | aaacgctgaa  | aacatagcaa | aaggaaagca | gttcctcgaa  | gaaaacaaga  | 2908860 |
| agaatccaaa  | cgtagtgacc  | ttgcctagcg | gcctgcagta | cgaagttatc  | aaagaaggta  | 2908920 |
| acggaaagaa  | gcctaaagca  | accgaccgtg | tacgtcgcca | ctacgaagga  | acactgatag  | 2908980 |
| acggcacttt  | gttcgacagt  | tctatcaaac | gtggtgaacc | tgccgtat    | ggtgtcaacc  | 2909040 |
| aggttatcaa  | aggatgggtt  | gaagctctcc | agctgatgtc | ggaaggagca  | aaatggaaat  | 2909100 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgtatattcc  | ttctgaactg  | gcttacggtg  | cacaaggagc  | tggtgaaatg  | attcctcctc  | 2909160 |
| acagcacatt  | gatttttcgaa | gtagaactga  | tagaggttct  | ctaaataaaa  | gagatagata  | 2909220 |
| aatcgtaatt  | taaaaaataa  | aagtaaataa  | aaaaaagtac  | tttaatcatg  | atgtttgcag  | 2909280 |
| ccgcagcagg  | actggcatca  | tgtacagctc  | agagcccaaa  | agcaaacatg  | aaaagtgatg  | 2909340 |
| ttgatactct  | ttcttacatg  | atgggtgtca  | gcaatacaca  | aggattggaa  | gaatatgcaa  | 2909400 |
| tgggacgtct  | gggtatagac  | tcaactcaca  | tggccgactt  | cgtaagagg   | atcgaagaag  | 2909460 |
| gattaaaaca  | aaccgatgct  | aaacaaaaag  | cttacatggc  | tggtatccag  | atcggacagc  | 2909520 |
| aggttagcgg  | tgatatgttc  | gatgctatca  | gcagccgtat  | tttcagcggg  | gattctacac  | 2909580 |
| agagtctgag  | caaagaaaac  | ttcctggcag  | gtttcgtagc  | tgctgtcaag  | aaacaggcta  | 2909640 |
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| acaagagcaa  | agaaggcgtg  | aaagttactc  | cgagcggctt  | gcagtacaag  | attatcacag  | 2909820 |
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| tgattgacgg  | tactcagttc  | gacagctcat  | acgatcgtaa  | agagccgact  | actttccgtg  | 2909940 |
| ccaatcaggt  | aatcaaagga  | tggacagaag  | ctctgactat  | gatgcctgtt  | ggttctaaat  | 2910000 |
| gggaattgta  | tattcctcag  | gaactggctt  | atggagcacg  | tgaaccgggt  | actatcaaac  | 2910060 |
| cgttctctac  | gctgattttt  | gaagttgaac  | tgatcagcat  | cgaaaaagaa  | gacaagaaat  | 2910120 |
| aaactaaaaa  | aatagtttat  | attgaaacag  | gtacgaacac  | aaagttcgta  | cctgtttttt  | 2910180 |
| attctcccaa  | ccgatactca  | tgcggtgtct  | ttccagtcag  | tctccgaaaa  | tatttacaga  | 2910240 |
| agaaggaggc  | attagggaaa  | ttaagctcat  | cggctatctg  | ataaaccagt  | ttgtcggaat  | 2910300 |
| ggcgaagcaa  | taatttggct  | tcttgacaaa  | cagcttcatt  | taccagtcct  | atgacggtag  | 2910360 |
| gcccaactgt  | ttgtctgata  | agtgtactca  | ggtagcggag  | ggtcaaatat  | aatcttttcag | 2910420 |
| cataaaaatat | aatgttttcgt | tcgcgaatgg  | cgtacttatt  | aacaagtaaa  | agaaatctgt  | 2910480 |
| tgaaaacttc  | ttcttgacgt  | gtgcgttggt  | gtttgtcttc  | cgacattttc  | cgcatgcat   | 2910540 |
| atgcataatat | ctgatgaaac  | aaggctgcta  | tcagacttct  | gactattttca | cgtggaaatg  | 2910600 |
| gctcatcatg  | taccacatcc  | cacaacatat  | cgaaaaactg  | ctgaatgctc  | ttctcttctc  | 2910660 |
| tctcagccaa  | atccagctgt  | acataaagtc  | ttccttgcaa  | gaacatttgc  | aaaaatgtct  | 2910720 |
| ccttttgcca  | tccttccatc  | aaactgttag  | taaaggcaag  | catctccaac  | tcacaatcat  | 2910780 |
| tcgacacctc  | caagacttga  | agtattgtcc  | caggagaagt  | aactatcagt  | tgttttgcag  | 2910840 |
| aaagagtga   | ctctatcaag  | tttgccctga  | cacgaatata  | gcctgcatgc  | ataagtaaaa  | 2910900 |
| tacgcccctc  | agtcagacga  | tacggctgcc  | caagcataaa  | aatttgctca  | gacacctcca  | 2910960 |
| gtgttccttt  | cacagaacgc  | accattccta  | gttctgccga  | aacaaaacga  | taagtattac  | 2911020 |
| agggaaacaga | agacagctca  | aatatttggt  | ttaaagccag  | aagtaaaaga  | ttgttctgtt  | 2911080 |
| tcatcataat  | ataaagggtta | tttcccga    | agataataat  | aacgccctat  | aaagttgtaa  | 2911140 |
| aatgcgacaa  | ttatcgaaca  | aatagaacat  | ttacagctac  | caataggacc  | ttatgaataa  | 2911200 |
| gcagaaaagca | attacctttg  | tatgagaaca  | ataaaaacaa  | tgtacttatg  | atacagagtaa | 2911260 |
| tcttattctt  | tctgtctgtt  | gtcacagccc  | taagtataaa  | agcgcaaatac | actctcgacg  | 2911320 |
| aatgcaggca  | ggctgcgcaa  | gagaattatc  | ctcttgctcag | acaatataac  | ttgattcaac  | 2911380 |
| tatccgaaca  | atatacctta  | tcgaacgcaa  | caaaaggaaa  | tcttccacaa  | atcagtttca  | 2911440 |
| gtggaaagggt | atcttaccaa  | agcgacgcaa  | caatcctccc  | gtttgaaatt  | cccgaattg   | 2911500 |
| gattcagagg  | attacccaaa  | gatcagtatc  | aagctatggt  | ggaaatcagg  | cagaacattt  | 2911560 |
| gggatggcgg  | aaaaatacac  | ttccaaaaag  | aagaaataga  | agctgcaacc  | cgtgaaaaca  | 2911620 |
| aacatgaagt  | ggatgtaagc  | atgtatgcac  | ttcatgagca  | ggtgaatcag  | gtctttttcg  | 2911680 |
| gcattctgct  | tttagacgag  | caattacagc  | aaaatgctct  | acttaatgag  | aacctgcaac  | 2911740 |
| gtaacctgaa  | aaacatagaa  | gcctatagaa  | acaatggcat  | agccaatgat  | gcagacgtag  | 2911800 |
| atgctgtaca  | agtagaaata  | cttcatacca  | gacaacaacg  | tgtacaactt  | tccgccaatc  | 2911860 |
| gccgtgccta  | tttacacatg  | cttgcatgtg  | taacaggaaa  | agacatcaat  | gaaaatacgg  | 2911920 |
| tattggttat  | tcctcaagaa  | accgaagaag  | agaatgacat  | taccataaac  | cgtccagaac  | 2911980 |

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| ttcaattgta  | tgaagcacag  | gaacaaagcc  | tgtatatccg | tcagcgcagc  | cttcgtgccg  | 2912040 |
| gatatatgcc  | acaaataggt  | ctttttgccc  | aaggaggata | tggcaatccc  | ggactcgata  | 2912100 |
| tggtgaaaga  | caaattcaca  | gcctattaca  | taatcggagc | acgattgacg  | tggaatttcg  | 2912160 |
| gcagtctgta  | tacgctaaag  | aacgataagc  | aaaaactaaa | tacacaacgg  | atgcaaatcc  | 2912220 |
| aaaacaaccg  | agaggtatgt  | cttttcaata  | cctatctaaa | attgtcggaa  | caaaatggaa  | 2912280 |
| ggattgatgc  | catacggcaa  | caaatgaagg  | aagatgatga | gattatccga  | cttcgctcta  | 2912340 |
| atattcgtcg  | ggcagccgaa  | gccaagggtg  | ccaacggaac | attaacagtt  | acggagatgt  | 2912400 |
| tacgtgaagt  | gacatccgaa  | agtctggcac  | ggcaaactca | agctctccat  | aaaatccaat  | 2912460 |
| tactaatgaa  | tctatatcaa  | aaaaagcatc  | ttaccaactc | ccaaacgtat  | taacttgтта  | 2912520 |
| cagccttatg  | aaaagaaaat  | atttttcatg  | tatcacctta | ttgattctcc  | tgtcagcatg  | 2912580 |
| tcaatcaaat  | accgattttcg | atgctacagg  | aacattcgaa | gctacagaaa  | ttattgtttc  | 2912640 |
| agctgaatct  | aacggccgat  | tattccgcct  | tgatgctgaa | gaaggaatgc  | gcctttctca  | 2912700 |
| aggatgaaga  | atcggactga  | ttgataccgt  | ccagctttat | ctgaagaagc  | tccagttaga  | 2912760 |
| agcaaactg   | aaagctgtaa  | ataaccagcg  | tcctgatatt | cataaacaaa  | tcgcagctac  | 2912820 |
| taaagaacaa  | ctgacaacag  | ctcaccgaga  | acgggagcgc | gttgaaaagt  | tattaaaagc  | 2912880 |
| taatgccgct  | aaccgcaaac  | agctggacga  | ctgggaagcc | caaattagcg  | tattgcaaaag | 2912940 |
| ccaacttgaa  | gcacaaatat  | cctctcttac  | aaacaatact | caaagtttaa  | acgagcagag  | 2913000 |
| cacttctgta  | gctgttcaga  | ttcttcagat  | agaggacttg | ctgagtaaat  | gtcatattct  | 2913060 |
| ctctcctatc  | gacgggtacag | tacttgccaa  | atatgccgag | ccgggagaat  | tagcctcaac  | 2913120 |
| cggaaagcct  | ctctttaaaa  | tagccgacac  | tcacaatcta | tttctacgcy  | cttacgtcac  | 2913180 |
| cacatctcag  | ttgaaaacaa  | taaaactagg  | tgcgcaagcc | aagggtttttg | ccgacttcgcy | 2913240 |
| aaacggtaat  | cgaagaagaat | atcaaggcac  | cgtaagctgg | atagccgacg  | aagcagagtt  | 2913300 |
| tactccaaaa  | acgatttttga | cggaaagatga | acgtgccaat | cagggtgtatg | ccgttaaaat  | 2913360 |
| agccgtgacc  | aatgatggta  | tcctaaaaat  | aggaatgtat | ggagaagtta  | aattttgacga | 2913420 |
| agaagaatga  | ttatgaataa  | aggtataaat  | cctgttatcg | aagtacgaca  | tatctgcaaa  | 2913480 |
| agctacggaa  | cagtaaaggc  | tttacaagat  | gtatccctat | ccatacaaca  | aggagaatta  | 2913540 |
| ttcggactga  | tagggcctga  | cgggtgctggc | aaaagtagct | tattccgtat  | tctcacaacc  | 2913600 |
| ttgctgaacg  | ctgattcggg  | tgaagcatct  | gttataggat | atgatgtaca  | caatgacttc  | 2913660 |
| cgttacatca  | ggagcgagat  | aggatatatg  | ccagggcgtt | tttccctcta  | tcaagacctg  | 2913720 |
| acgggtggaag | aaaacctgaa  | tttctttgct  | accatcttcc | agacaaccgt  | agcagaacat  | 2913780 |
| tacgatcaga  | tacgggaaat  | atacgaacag  | attgctccct | tcaggaaacg  | ccgtaccgga  | 2913840 |
| gcattatccg  | gaggaatgaa  | acaaaagctg  | gctctttgct | gtgccttgat  | ccactctcca  | 2913900 |
| aaagtccttt  | ttctggatga  | acctacaact  | ggagtagatc | ctgtttcaag  | aaaagaattt  | 2913960 |
| tggatgattc  | ttgacagact  | ccgcaacagg  | ggaatcacta | tcattggtatc | cactcccttt  | 2914020 |
| atggatgaag  | caagaaaatg  | tgaccggata  | gcttttctgc | acgaaggtaa  | aataagaggg  | 2914080 |
| acagatactc  | ctgcgataat  | attggagcag  | tttaaagata | tactttgccc  | tccaggatta  | 2914140 |
| gaacgcaatc  | gtacagaaga  | cagccagaca  | ccggtcatca | aagtaaataa  | tctggtaaaa  | 2914200 |
| cggtttggtg  | cattcacggc  | agtcgaccat  | atctcgttcg | aagtaagaaa  | aggagagata  | 2914260 |
| ttcggattct  | taggtgcaaa  | tggtgcagga  | aagactacgg | caatgcgtat  | tttatgtgga  | 2914320 |
| ctaagcttac  | caactgaagg  | gcatgcagaa  | gttatgggtt | acaatgtcat  | cacacaaagt  | 2914380 |
| gaagatatta  | aacgacatat  | aggctacatg  | agtcagaaat | tttccttata  | cgaagattta  | 2914440 |
| accgtctggg  | aaaatgtacg  | tttgttcggg  | ggtatctatc | gagttccttc  | caaagaaata  | 2914500 |
| cccaaacgaa  | cagaagcgat  | gcttcaccgt  | atcggattat | atgaagaacg  | gcatacattg  | 2914560 |
| gttcggggcac | ttcctctggg  | atggaaacaa  | cgtctggcct | tttcggtcgc  | catatttcat  | 2914620 |
| cgtccgcaac  | ttgtgtttct  | cgacgaaccg  | acaggagggg | ttgatcccgc  | aacacgacgt  | 2914680 |
| cagttttggg  | aacttatcta  | tcaggcagcc  | gaacaaggaa | ttaccctatt  | cgtcaccact  | 2914740 |
| cactatatgg  | atgaagcaga  | atactgcgac  | cgtatatcaa | ttatggtaga  | tggacatatc  | 2914800 |
| cgtgctttag  | atactcctac  | agccttaaaa  | gctcatttcc | atgcacaaaa  | tatggatgag  | 2914860 |



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| attgtacgta | aacaatatga  | aacagtttat  | agcattcata  | aaaaaagaat  | tttatcacat  | 2914980 |
| cctgcgtgac | aaacgtacga  | tgctgatact  | tatcggaatg  | cccatcatat  | agattatact  | 2915040 |
| tttcggcttt | gcaatctcta  | ccgaagtacg  | taatgtgcag  | actgctgttc  | tcgtaaattc  | 2915100 |
| agctgatgca | gacgtacggc  | atatcatcga  | ccgactggat  | gcaagtgaat  | atttcaccgt  | 2915160 |
| aaagtacata | gtacattctc  | ccgaagaaat  | agagcacctg  | ttaaagaaaa  | acaagataga  | 2915220 |
| acttgccatc | gtaatatgcca | acgatttaaa  | ccgattacgt  | ttcgattcca  | gacaaatata  | 2915280 |
| aatcatcgct | gatgcgaccg  | aacctaatac  | ggctgtaacc  | cgcagcagct  | atgctaacgg  | 2915340 |
| agtattgacc | aaagcactgg  | cagaattggg  | actgaaacat  | caagtaaaca  | aaattatagt  | 2915400 |
| atctggaaaa | ctactctata  | atccgcagat  | gaaaagtggc  | tataactttg  | tgccgggctg  | 2915460 |
| aatgggatta | attttaatgc  | tcatctgtgc  | aatgatgact  | tcaatatcta  | tcgtacgtga  | 2915520 |
| aaaagagacc | ggtacgatgg  | aaatcctgct  | tgtatcaccc  | atgaatccaa  | tatgggttat  | 2915580 |
| tttatcgaaa | acgattcctt  | acttcgtact  | gtctattatt  | aatttgagta  | caatcttggt  | 2915640 |
| actatcggtc | tttgttctta  | atgttcccat  | tgcaggaagt  | ttgctcaacc  | tgctgggagt  | 2915700 |
| atcacttcta | tttatttttg  | tatcactagc  | tttaggactg  | ctcatttcgt  | gtattaccca  | 2915760 |
| cactcaagta | gctgccttac  | tcgcgtcggc  | aatggtacta  | ctgattccta  | cgattatttt  | 2915820 |
| atcaggcatt | atctttccca  | tagaaagcat  | gccagctccc  | ctacagtggc  | tatcctgcat  | 2915880 |
| aattccagca | cgatggtatg  | tagccttagt  | acggaaactg  | atgatagaag  | gtgttccact  | 2915940 |
| atcttatgtc | tggcaggaag  | tccttatcct  | gctgcttatg  | gctgttatat  | ttattgggtat | 2916000 |
| cacaactaaa | aagttaaaaa  | accgtttaga  | atagaataat  | atggtactac  | gatattcttat | 2916060 |
| tgaanaagaa | ttcaaacagt  | tgcgccggaa  | tagtttccctg | cctcgactca  | tcctgatatt  | 2916120 |
| tcctgtgtt  | atcatgctaa  | ttatgccatg  | ggccgcaaca  | ttggaaatag  | aggacctacg  | 2916180 |
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| agcttcacca | tacttcaaac  | tgatgactct  | tcctgatata  | tacgaaaaag  | gattggagaa  | 2916300 |
| tatcgaaaga | gaccgagttg  | acatgttact  | tgagataccc  | aaagggtttc  | aaaaagaaca  | 2916360 |
| agttaacgga | cggctctgctt | cagccttgat  | agcaataaat  | gccgtaaacg  | gaaccaaaag  | 2916420 |
| tggcttggga | agtacttacc  | tgcaacaaat  | acttaaccct  | caaagtacat  | cgccttcaat  | 2916480 |
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| ctggataata | tacggattag  | ctcccgaagg  | tagtatattc  | accatttact  | ttgcgacatt  | 2916780 |
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| gtttaccccc | attagcagta  | tgccctcaatg | ggcacaatac  | attacttatg  | ccaatccctt  | 2916960 |
| acgatacttc | atggaaatga  | tgcgtatggt  | ctatctaaaa  | ggaagcaata  | tgcccgatat  | 2917020 |
| cacacaacaa | ttaggtgtat  | tatcctgttt  | cgcagctata  | ttatatggat  | gggccattta  | 2917080 |
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| tcctataatc | cttaggtgtc  | atctgataat  | gtttagaaaa  | ctcttttata  | aaagtgagaac | 2917200 |
| gatttataaa | accagtttta  | tagataattt  | cctgtaccgt  | caacgagggt  | gttcgtaaca  | 2917260 |
| atttagcagc | taaattgata  | cggatttcct  | ttatataatc  | cttaggagaa  | tcgagtccga  | 2917320 |
| tttctttgaa | gcgacgatat  | aaagtccgga  | cactgacttg  | catatatctg  | gccagttctt  | 2917380 |
| ccaatgaaa  | ttcttcagaa  | tcgacatgat  | tctctatata  | ttccgtaacc  | ttcaacaaga  | 2917440 |
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| aattaaaata | atcttttaac  | ttactacgat  | tttctattaa  | acgtactact  | atagctttca  | 2917560 |
| gatagtcaat | ctcgaaaggc  | tttccgatat  | aagcatcggc  | acctgcatca  | aagccaacaa  | 2917620 |
| tcttctcctg | actcgaattc  | tttgagata   | gaatgatgac  | gggaatagac  | atcgtatact  | 2917680 |
| tattctgttt | caactgcctt  | gtaagctcaa  | atccatccat  | tcctggcatc  | atgacatctg  | 2917740 |

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| ctacaatgac  | attaaaatctt | ttagagaaag  | actcctgcaa  | gagtgctaac  | atctcagtat  | 2917860 |
| tatcatctac  | taccaatatt  | ttattctcag  | caatatccgc  | acctttttcg  | gtactattca  | 2917920 |
| gagcgtcgac  | agacacctga  | ggagcaacgt  | ttacaggcgg  | cgtaacatcc  | gatacggagg  | 2917980 |
| agtcattttc  | ttttttatcc  | agtgtcaa    | ccaacatcgg  | aagcaatacg  | ataaattccg  | 2918040 |
| catagcttcc  | atattcactc  | tgaatctgaa  | tatctccctt  | caataattca  | accatactgt  | 2918100 |
| ggcagatggc  | tagtcccaaa  | ccattttctag | aagtcattcc  | tttgatatta  | gaagcttcta  | 2918160 |
| cgccatccag  | aaccttatat  | ctgttgaaaa  | ccaacggtat  | gtcttcttga  | cgaatttcctt | 2918220 |
| tccctgtatt  | atatactttg  | atacgtaa    | tttgattatc  | agcaacatcg  | acagttaccc  | 2918280 |
| gaatacgtcc  | tcctgcagaa  | gtatatttta  | aagcatttga  | aattaaatta  | ttcaaaatct  | 2918340 |
| tcatacagact | tctacggtcc  | gtattccaaa  | ctatatcttc  | agatacaaca  | ttttctactt  | 2918400 |
| gaatattatt  | tcgctctgcc  | aactcagaaa  | atgaatgaat  | aatgtcatta  | cataaagctg  | 2918460 |
| acacatctac  | ctgctgaata  | cattgtacct  | gatgtcccg   | ttccaatctc  | ctgaaatcaa  | 2918520 |
| ttatttcctg  | aattaaagca  | ttcagacgtt  | ctgcattcgc  | cttgatcatc  | gtgacatatt  | 2918580 |
| tttgatatata | ttctgaatga  | tcataattcca | acaagcgttc  | gcagggggcca | tatataagg   | 2918640 |
| taagcgggtgt | atagaattca  | tgcgttatgt  | ttgtaaagaa  | acgtaatttc  | tcctcatata  | 2918700 |
| attcctcttt  | atgttgctgc  | tccatcttct  | ccagagcaaa  | taatctctta  | cgttgctgct  | 2918760 |
| tcaacaggaa  | ccagcggata  | cataacaaga  | cagccaataa  | aattaacaaa  | gcataaatga  | 2918820 |
| caatagccaa  | cgtacttaaa  | taccacggag  | cagcaatcgt  | tatatataca  | gaatatatag  | 2918880 |
| ggctaacttc  | tcctgtagcc  | tgatttttat  | aacggatttc  | aagaatataa  | ttaccatata  | 2918940 |
| tcatactgagt | aaaggaaata  | ctattattgg  | ttccattatc  | gacccaagcc  | atatttttat  | 2919000 |
| ccaaacgata  | ctggtaacta  | taatttggtg  | gattttacata | atccaaagcc  | aggaaagata  | 2919060 |
| tcgtaaatgt  | attttcatcc  | gatttaagcg  | agagggatgg  | tttatcatcc  | caactctgta  | 2919120 |
| ccccagcatg  | ttttccctgt  | tctcccaaga  | cataaacatt  | cgtaaaacgt  | aatggaggga  | 2919180 |
| tagacacttc  | ctgatcagga  | ttatacattg  | tattgttggt  | aatggtaaca  | aagccgttta  | 2919240 |
| ttcctccaaa  | aaagagtata  | ttatttcggc  | agaatgaagc  | tccgtcgcta  | aattcctgca  | 2919300 |
| ttttcagtc   | actacctttc  | ccataatttt  | ggaattttat  | cgtaaaggta  | tcaaaacaga  | 2919360 |
| tgagtcctcc  | atgtgttgca  | atccataatt  | tttgattctc  | atccagaagc  | atagtatgta  | 2919420 |
| tagtactatt  | tataaatccc  | gtctgctgat  | taaaaaaggc  | ttcttcattc  | tgcccttttt  | 2919480 |
| tgattaaccc  | agccccagta  | ccaagccaaa  | cccccttttc  | attacgcatt  | atggaaaaaa  | 2919540 |
| tatcatccac  | caccctactt  | gaatatttat  | tcttttaaagg | aatagacacc  | aaactatcac  | 2919600 |
| cttctatatg  | aaagagtcca  | tatcctctat  | taccaaacca  | aatatttttt  | tgattatcag  | 2919660 |
| cgagtaagg   | aaagaaataa  | ttcgtatgaa  | aatttccatg  | atcaatcgta  | taacgcttca  | 2919720 |
| atgaacggat  | atatggcact  | cctgatcgg   | ccccaatata  | tgcccgaaca  | acccctgtac  | 2919780 |
| ccacagtagc  | tatccaaagc  | accgaatcgc  | tttcttcata  | aatagcatga  | acataattga  | 2919840 |
| taggctccgg  | agcaagaaca  | cttctaattc  | tcttgctcgc  | atatgaataa  | taactaattc  | 2919900 |
| ccgcatcatg  | ccctatccaa  | aacaaagggt  | tactactctt  | tgcaaatgca  | tatatagaat  | 2919960 |
| tgtaaaccaa  | tccaccagct  | aaagaattta  | ttaatcgggt  | tcgatattgc  | atgttatatt  | 2920020 |
| tttgaggaga  | gaaatcgtaa  | atcttcaaaa  | taccttctcc  | tttagtcccc  | aaccataatg  | 2920080 |
| taccttcgtc  | atcccaaaag  | atagaacgga  | caggtttccc  | tatactatga  | tttaaatctt  | 2920140 |
| cataagtcac  | agatgaaatg  | gaatattgtc  | cttcggagta  | aatatatact  | ccctgaccat  | 2920200 |
| ctgttgcaat  | ccaaacaata  | tcttgaaaac  | ggtctttcag  | gattcgaaaa  | actcccgatt  | 2920260 |
| ttatacccaa  | atcatctacc  | gtatatttgt  | tattagactg  | tagggaaatc  | ttcaataaac  | 2920320 |
| catttgctctg | aaaagcaata  | aagaaagatg  | agccgtcacg  | aaggatatct  | acaatagttc  | 2920380 |
| ctcttccatc  | caatgtttct  | ttccagttac  | aaatgagttt  | cttaacaggc  | ttatctaagc  | 2920440 |
| tacacccaaa  | taaattataa  | tctccgtcca  | accaataaat  | ctgatccttg  | cctccaaatc  | 2920500 |
| catagttcac  | ctgcgttttt  | tcacaagtat  | tgatggatga  | aagcttatat  | tctccatcct  | 2920560 |
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| cctttgaaat  | tggtgaaata  | cagtctctta | agcagtattt | tagaatgaaa  | cggatttgaa  | 2920800 |
| ttcgtagctt  | agcgggtcaaa | ttgaatgccg | cttatgaacc | aagataaata  | cgtattcgct  | 2920860 |
| caacttaccg  | cttttatgaa  | cagaacacaa | ttcaataact | ttgttcgcaa  | gtataatggg  | 2920920 |
| aatcgctacg  | tgaacaatt   | cacctgctgg | aatcagttac | ttgctatgat  | gttcggacaa  | 2920980 |
| ctgagcaatc  | gtgagagtct  | tcgcgactta | attgtagctt | ttgaagcgca  | tcaagccaag  | 2921040 |
| caatatcatc  | ttggctctggg | acgcaatcca | atagccaaag | ccaccctcgc  | ttatgctaata | 2921100 |
| cagaatcgtg  | actacagaat  | ctttgaagac | ttcgcattct | atataatgaa  | ggaagcttgt  | 2921160 |
| gaaaagcgag  | cgaccaacat  | cttgatatt  | ccagggaata | agtatgcttt  | tgattcaaca  | 2921220 |
| actattccgt  | tgtgtctagc  | cacatttcca | tgggcgaagt | tccgaagaaa  | gaaaggagggt | 2921280 |
| gtcaaagctc  | atgtcttata  | tgacattgaa | gcacaagttc | ctgccttcta  | tactgtaacc  | 2921340 |
| acagcatcga  | agcacgactc  | tacagcgatg | tggtcaatcc | attatgaacc  | aaatgcttat  | 2921400 |
| tatatattcg  | acagggtcta  | tgactctttt | aaggaactat | ataggatata  | cctgacagggt | 2921460 |
| tcctttttcg  | ttgtcagagc  | taagacgaac | ttgaaatata | caatgggttaa | atggaagcgt  | 2921520 |
| aggatgccta  | agtatgtact  | tacagatgct | gaagtgaaac | tgaccggata  | cctctcagag  | 2921580 |
| aagaaatata  | ccgagtcatt  | ccgactcatt | cgttactatg | atgaagaggg  | tgaccgtgag  | 2921640 |
| ttcactttcc  | tgacaaacgc  | aacacatatt | tctgcattgg | acgttgctaa  | tctctacaag  | 2921700 |
| aaaagatggg  | tggctcgagct | attcttcaaa | tggctcaagc | agcaccttaa  | aataaaaaaga | 2921760 |
| ttctggggca  | caacggaaaa  | tgctgtccgc | attcaaatca | gtgtagcaat  | catcacttac  | 2921820 |
| tgtctagtgg  | ctattgtcca  | acacgatatg | caattgaagc | gctcaactta  | tgaagttttg  | 2921880 |
| cagattctaa  | gcactctctc  | aacggacaaa | actaacttgc | gtgaactgtt  | cgataagact  | 2921940 |
| gattttcaacg | atgtcaaaga  | actcgattat | cccctttttg | aaggactatt  | tgattaattt  | 2922000 |
| tttaactagt  | ccatttttat  | tggacactaa | tgaaagcata | taatgaatta  | ctactcgaaa  | 2922060 |
| aaaagaatag  | atcgccaagt  | tcgtttttta | ccatcatata | gctaccctta  | aactgaggat  | 2922120 |
| agtctaccac  | aagacgtttg  | tctttatcta | ctttactcaa | cccataattg  | gtctgtaccc  | 2922180 |
| agattactcc  | atcatgggtt  | tccaatattt | cttctatgat | atatccagac  | aagttcagtt  | 2922240 |
| gcccccaacc  | gttccaacta  | taagccttaa | taccatcgta | tatatctact  | ccatcacaag  | 2922300 |
| ttcccatcca  | tacaaaccca  | ttactatctt | gtaacagcga | aagtacagcg  | ctacttgtaa  | 2922360 |
| ggccgtctgc  | atttgtaact  | tgtcttata  | tataagctga | taaagaattt  | attacacata  | 2922420 |
| ccagaaagaa  | aagcaatcca  | cttataaatt | tcattactgc | atttatcata  | gtatcatttt  | 2922480 |
| gtaatcaata  | tccgaatata  | aaggtataga | aaataataga | ttgcatagaa  | agagagggtat | 2922540 |
| aatatttgtg  | cgtacatcaa  | ctaaaatttc | aaccaactat | tcgactttta  | tatttatcaa  | 2922600 |
| ttgacaatct  | gtaaaacaaa  | aataattggg | ataaccaata | tctattttta  | tagttctccc  | 2922660 |
| acaacttctc  | ccactaaaac  | ataaaataac | aggtatggaa | caatgcttta  | ccagcatgcc  | 2922720 |
| ccatacccca  | aaaactattt  | aaccgcagcc | ttttctctgt | tatgaatata  | ttccaataaa  | 2922780 |
| atagaatgag  | caggatgtga  | catagtcca  | tgatcaaaac | cttgcaactc  | atagagttgt  | 2922840 |
| acatccggat  | gacctataat  | tttaagcatt | cgccataaat | aggcattctc  | ttcatagcgt  | 2922900 |
| cctaacatct  | cacgttcacg  | gtctccacat | atcaatatta | cgggaggaca  | atctttacgt  | 2922960 |
| acatagtaca  | acggagcatg  | ttcatcaatc | aaaggctggg | aatcggaat   | tcctctatca  | 2923020 |
| cgtctattct  | ggaaatgagt  | aatagcttgt | ccgctaaaag | gaataagtgc  | agcaaaacta  | 2923080 |
| tccgcatcca  | caccatattt  | cgctaaacga | cttttatcta | atccaatcat  | gctaaccaaa  | 2923140 |
| tagcctcctg  | cagaatgtcc  | agacaaatat | atttttgaag | gatttcctcc  | ataacgagct  | 2923200 |
| atattctcca  | taacccatgc  | agcagcagct | gcagcgtcat | ccacagcatc  | atccgtcgtt  | 2923260 |
| acatcggcgt  | tgattgcttt  | cggatctttg | ttacctgcac | ataaacgata  | acttacacca  | 2923320 |
| acaacagcaa  | taccttgctc  | acgcaactca | cgcgggatct | cacggtcgcc  | aaccgtcaaa  | 2923380 |
| cctccaccat  | gaaaccaaac  | tacagttggg | aaatccttct | tatcagtcgg  | gtaatatacg  | 2923440 |
| tcgagtacac  | acttctgctt  | catgtagcta | ttcttatatt | ccgtacggta  | aggaatagcc  | 2923500 |

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| caataaaatt | ttgtacgcat | ctgaattatg  | tttatttgtt  | atttaattgt | aatctcaact  | 2923620 |
| ccctctgcca | aattaccact | ggcctgatat  | acacccttgt  | cagtataaac | ctttacaatg  | 2923680 |
| gccatatcat | tattttctgt | aatatactta  | ccttctttct  | gagccaactt | aacaactact  | 2923740 |
| ttattgtcag | ctgtacaagt | ggccgtaaaa  | cgttggaac   | tataattgcc | atctttaaac  | 2923800 |
| gaccaattat | ctccttcgtc | ccaataaaga  | gtaccacatg  | ccttgccctt | atcatctaga  | 2923860 |
| caaactaata | aagtcagcgg | atcaagagat  | ttttcagttg  | tgttctgtat | aatctttccg  | 2923920 |
| gtagggataa | tagaaccacc | acgaatactt  | aacttagcct  | gatacggatc | tttatcatca  | 2923980 |
| ccagaaatca | aagacagact | tctccagata  | cctttaggca  | gggctggatt | cttggcccat  | 2924040 |
| tctggaacaa | ccagcaaatt | atctccgata  | aggaatgcct  | gttcttccgc | acgaagcaat  | 2924100 |
| gtatccttag | gatcggcaaa | gaatattgga  | cgcataatag  | gcataccatt | ttccgaagcc  | 2924160 |
| tcatgcagca | acgtataata | ataaggcagc  | aaaacataac  | gacgttccag | tgccatacgt  | 2924220 |
| gatatatctt | ccactttctg | accaaattgcc | caaggctctt  | tattaatagt | acctgcgcag  | 2924280 |
| gcatgtcctc | gagagaaggg | atagaaagct  | cctaaggcca  | tccaacggcc | gaacaattcg  | 2924340 |
| gcatcaggat | taaacaagaa | tccacctata  | tctgtctcac  | taaatggttg | tccagacaat  | 2924400 |
| ccaagagtaa | gtatcatagg | gacagacagc  | ttcatatgac  | tttcccatga | agcattatcc  | 2924460 |
| cccgtccacg | tagcagcaaa | ccgttgtcca  | cccagaaagt  | tggaacgcgt | taaaataaac  | 2924520 |
| ggacgatttt | gcggacgtgc | tttcataata  | ccgtcacgtg  | atgccttgac | cataagaaaa  | 2924580 |
| ccatatacat | tatgatactt | caaattgggg  | ccggcaggaa  | tattatctcc | tcctaagtgt  | 2924640 |
| ttattgtttt | cgggcatcgt | accagtagga  | gtatggctta  | tttgaggttc | attcacatca  | 2924700 |
| ttccaaactc | catcaacacc | tttgcctata  | aaatcctgat  | acaaatccgc | ccaccactga  | 2924760 |
| gccgttttag | gctgagtaaa | atcaggga    | gaacatgcac  | cgggccaagc | atctccatga  | 2924820 |
| aactccttat | tctttactgt | ttttacccat  | acgtcttttg  | cagtaccgga | cttatagaca  | 2924880 |
| aaataacttg | tatcaacctt | agcaccgga   | tctatcatcc  | atgcagagt  | aaagccacgg  | 2924940 |
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| ccttttataa | ctgcctgcgg | agactctcta  | tctatcacia  | aaacacgaaa | caattctcct  | 2925240 |
| tctgtttcga | agctaatacg | ctcattagta  | gtcgtcagct  | ctgctttgta | tggtgatca   | 2925300 |
| aacaaaatgc | caaaagaggt | cccatccgga  | cgaactccca  | taacccaagg | atgtgactga  | 2925360 |
| tacaaacgtt | ttccgttatc | aacactatat  | gcacctgaat  | ctgtattcca | caacttaata  | 2925420 |
| ctttgtccgt | ttcgcaacaa | cggcccagtg  | acctaccgc   | caccataaag | gctggtacct  | 2925480 |
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| tcttttttca | ttttgacgtt | atgcgcaaat  | aggcttcctg  | caaaacataa | catttcctata | 2925720 |
| actccaacaa | tctttaaatt | catcatccca  | attatttagt  | atagttatta | ctcgataaca  | 2925780 |
| aataaattac | aaactaacat | tttagcata   | aaacagatat  | ttagtacaac | gtatctgttc  | 2925840 |
| cccataaaac | gctatggtaa | ccacttcata  | aaattataga  | ggctgcaata | cacacatcgc  | 2925900 |
| ttccatcaac | atacagccgg | ttaaatgagc  | tgtcaagcca  | acccgatcat | tatcggcagg  | 2925960 |
| agcttttctc | caccgtcctc | catataacat  | tgtattggga  | ttaatgcctt | gagtagccat  | 2926020 |
| cacagtggca | caacgagtaa | tatactcatg  | aaacttcttt  | ctatctgcat | aatcaacaga  | 2926080 |
| gtgatcattg | atcaacttaa | caaaataacg  | gaaaaaaatt  | ccatggaata | atcctccatc  | 2926140 |
| cccacttacc | gcatcagaca | aaactccgtt  | attctgcgac  | aactgatcca | ctacaaaatt  | 2926200 |
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| agcagccccc | aagaaagtgc | caatgttata  | agtaaataatc | catttcttct | gaacctcacc  | 2926320 |
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| acaagcattt  | tttgattttg  | ccacatcagt  | tttccaagta  | attcctccat  | accaaggagc  | 2926560 |
| ttcatcttct  | ggcccccatg  | taggccaaat  | ccagtcatca  | tatatattgtc | ttgcctttgc  | 2926620 |
| tatatacttt  | ttctctccag  | tgctttcaaa  | cattcttatt  | tgagccaata  | caatccactc  | 2926680 |
| catatcatcg  | acaaaaacat  | tccaccacgg  | atcttttagga | ttcatttttac | cagcaaagtt  | 2926740 |
| gtattgaggc  | ataccttccc  | accacagagg  | aaacaaatct  | ttataccgtg  | attctccggt  | 2926800 |
| acgcatatat  | gcatcgacca  | agacatccat  | ggcatgtgcc  | tgtggccaat  | aattattttgt | 2926860 |
| tgacaaatct  | gaaagatcac  | taccataatt  | gaaataatag  | cgtttttcat  | aacctttaaa  | 2926920 |
| gttagctccc  | caaaaatggt  | taataagcgc  | gtctgacgta  | ccattagcca  | tcttattcca  | 2926980 |
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| taaagtcttt  | ttcataacta  | ccttttataa  | aatttcactc  | aacagtaata  | acaagtttct  | 2927100 |
| ttcctttctg  | tagctgtcga  | tgagatataa  | agtatccgtt  | tattacttta  | ttgtcgtatg  | 2927160 |
| ttatctcacg  | aatctttctt  | cccttcccct  | gcttcacgat  | agtaaaaggt  | ttatcgttta  | 2927220 |
| aataaaaactt | cactttgtcg  | aacaaaggga  | ccgtaataat  | ataattgggc  | tcggcaggag  | 2927280 |
| aatatgtata  | gagaccaatc  | gcattaaaca  | cataccatga  | agacatttct  | ccagcatcat  | 2927340 |
| ccatgccagc  | atatgctaatt | ttgtccttac  | ccatatcata  | ataatgctcc  | atcaaggaat  | 2927400 |
| caagtatcgc  | ttgtgtcttc  | tcttgttttc  | caataaagta  | ataagtataa  | ggaataccat  | 2927460 |
| gtcccgtttg  | gtttccatga  | caataatttc  | caataaatcc  | agtcataatta | tccacctcat  | 2927520 |
| atccacgcca  | tggttcggta  | aaaagggaat  | ccaacttatt  | ctcaacagcc  | ttattgttag  | 2927580 |
| gataaaagttt | tatcattccc  | tcaggatcat  | gaggagcaaa  | gaacaaagca  | ttccaagcat  | 2927640 |
| tggcttcacg  | atacatatac  | tgataatacg  | gataaatatg  | atcaaaaatct | gtaatccaac  | 2927700 |
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| taatagactt  | aattacatct  | gtcgttacct  | ccggcgacaa  | catttccaac  | aaaactaact  | 2928180 |
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| ctatatgcca  | gtcgggttact | gcattattttg | accgacgaat  | atcgaccaat  | actgatttat  | 2928720 |
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| gatgactaaa  | agacgagcaa  | tagtcactgg  | gagtaacatc  | acctacgaca  | ggcatttatcg | 2928900 |
| gcacatgcaa  | taaattccaa  | tgacctttgt  | tggtagtaga  | aaatccataa  | atcacactat  | 2928960 |
| cttcatattg  | ataaccagac  | ccactccgaa  | attgtgtttac | tggactcacc  | tgaaccatcg  | 2929020 |
| cattaggttaa | agttgtccca  | ggataagttt  | ccgctcccca  | cgttctagtt  | tttttatgac  | 2929080 |
| gttcatatcc  | caaacttttc  | ttatcccaca  | acgtagcact  | ccccaataaa  | ggattgacat  | 2929140 |
| attctgtcaa  | tttaccggaa  | ctctcacaac  | ttgtaaaaaa  | tatgagagaa  | attatcgata  | 2929200 |
| ttaagatacc  | attcttcatt  | ctattctttt  | ttattttatc  | tttataccta  | tcaaaaacac  | 2929260 |

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|             |             |             |             |            |             |         |
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| gccccctggt  | acattacagc  | actttgtcaa  | tagcttcttt  | tattaatgct | tccataacgt  | 2929320 |
| cgatccctc   | tgctgtggga  | tgaaccccat  | ctttcgtata  | cttaggattc | aaagctccat  | 2929380 |
| tatctccata  | aaccattttt  | gcgtaataat  | cgacatatgg  | aatcttatgc | tcatgagcat  | 2929440 |
| acgctttgat  | tcgtgcattc  | aggaagcta   | ttttagcttt  | cgcattctta | atagatggat  | 2929500 |
| tccaaccgaa  | agaagctgca  | ggcaatgtcg  | atgtcaggat  | aacttttatt | ttatgtactt  | 2929560 |
| cagccaactc  | taccattgac  | atgatattac  | caaacgtata  | ttcttcatta | taagagccag  | 2929620 |
| tgttttccgc  | tacatcattg  | gttcagcat   | tgatgacaac  | caataaggga | gatagcttaa  | 2929680 |
| tgacatcttc  | ccgaaagcgt  | aacaagaatt  | gagaggaagt  | ttgtccactg | ataccacgtc  | 2929740 |
| cgacataacc  | attatcagta  | aaaaaggcag  | gatggcaatt  | tacccaacct | tctgttatag  | 2929800 |
| agtttcccat  | aaagactact  | tttacaggct  | ttgcagaaac  | agtttatatt | ttattttctt  | 2929860 |
| gagcataacg  | atttaagcct  | ccaaaatcac  | gatcctgcgc  | atgtatgcta | ccacaagtta  | 2929920 |
| aagtgataaa  | agtaattccc  | agataaaaat  | acttaactaa  | catttttggt | ttcatagctt  | 2929980 |
| tttacataat  | aaaattttatt | ccaatacggc  | agcccatcca  | ccattacgta | ccaatgtaat  | 2930040 |
| atctaattta  | tcagaactac  | taacctctcg  | ttcttttcta  | cgataatcca | tagcttgccct | 2930100 |
| atctgcgttt  | ataccatcct  | caaatgaaat  | catccgataa  | gttttatgct | tatccaagaa  | 2930160 |
| atcaaaaagac | aaagtaaaag  | tacgagtttt  | ttcctttcca  | ttacagatag | caccgataaa  | 2930220 |
| ccattttatca | cctttccgtc  | tggcaagcac  | tacatattca  | ccaatcttcg | catccaatac  | 2930280 |
| ttttattttca | tcccatgtta  | caggaacttt  | cgtaatgaat  | tctgtacaat | ctggattacg  | 2930340 |
| ataatacaac  | gttggattat  | cagccaacat  | ttgaactcca  | ctttcaaaca | caacataaag  | 2930400 |
| agcaagctga  | taggcccgag  | taccaatact  | ggcagaattc  | ggacgttctg | atctataaac  | 2930460 |
| ctcaggttgc  | atactaatac  | tagccccggg  | agtataatcc  | atcgcaccta | ccgcattttcg | 2930520 |
| cataaaaaggt | aagtacagac  | tattgtccgg  | atagcatcct  | cccatctgtt | ccataaccacg | 2930580 |
| tacaccttcg  | tatgacaaaa  | tattaggata  | acgatattcc  | agacctgcag | gcttgaacgc  | 2930640 |
| tccatgaaaag | tcgatcaata  | agtgatattt  | tgcagcttct  | ttagccactc | gttcataata  | 2930700 |
| gtttaccatc  | cattgggtcac | tgcgatccat  | gaaatcaatc  | ttaataccag | ctactcccca  | 2930760 |
| atcagaaaaa  | gttttaaaaca | catcaaaatg  | attctctaca  | gtaagccaag | taagccacaa  | 2930820 |
| taagaccctc  | actccttttt  | cttttcata   | acgaataatt  | tcatgcacat | tgacttttcgg | 2930880 |
| attcgggtgta | tacggatcac  | gcgtgtccaa  | agcccaacct  | tcatccatta | aaatataagg  | 2930940 |
| gatatgatat  | ttagcagcaa  | aatcgataaa  | gtattttataa | gtatccatat | taaaaccaga  | 2931000 |
| tacaaaagttt | acatcaggcc  | cataaggtgt  | agctccgttc  | caccattccc | agcttacctg  | 2931060 |
| tcctgggtttc | acccaactat  | aatctttctaa | ctcacaagga  | gaagatagat | tataagccat  | 2931120 |
| ttcattttcgt | actatatctt  | tatcatcgga  | agaaattaca  | aaaaagcgcc | atgggaaagt  | 2931180 |
| tcgttttcct  | tctgtcttag  | caatataatc  | agctttcttc  | agaatcttta | cgctacgac   | 2931240 |
| cccattcttct | ccaaactcta  | atggatatct  | tgggaaaaca  | gcagtcaacc | cattatcgtc  | 2931300 |
| tgtacctttc  | aaaaacatgc  | aaggataatc  | atccaagtct  | gcctctgaga | tcaatatatt  | 2931360 |
| atatccttga  | ggactctcta  | ataatatagg  | gagataactc  | atttcgtcgg | atgaatgata  | 2931420 |
| atccaatggt  | cttacatgag  | aatacggatt  | ctcataggaa  | gtcttgaaac | tggaagtctt  | 2931480 |
| tgataaatga  | gccagataat  | tagctgggaa  | atgcacagta  | aactcttctc | ccactacttc  | 2931540 |
| gagctgattc  | ttcctttccg  | taacaaagcg  | ataagcaacc  | ccattatcat | aaactctaaa  | 2931600 |
| ttcaatagca  | tacttaccct  | tcatattcat  | acgaagcgta  | ttatagtaat | tcctaacaga  | 2931660 |
| cgcatttctt  | aatgggacag  | gacgtagtgt  | ttcttttatct | atcttccctt | tcttaaagct  | 2931720 |
| ctggagatgt  | ggctgtctac  | ccaaaatatc  | attagataaa  | gtcattgata | aagtacaatt  | 2931780 |
| cttaagaata  | gtatcattct  | gagaaataac  | agaataatat  | agtttttctt | ttaaatcaac  | 2931840 |
| gacaacctta  | agtttaccat  | caggagactg  | gatatcaatt  | gtcctctgct | gcgcatggat  | 2931900 |
| actactacaa  | agtatcccca  | aaaatcctaa  | taataatatt  | cgttttttca | tagaattcca  | 2931960 |
| tgattttaa   | ttcgactaat  | gaataaagcc  | ccatgctcca  | gactcaaaca | ttctatacga  | 2932020 |
| tgagtttatg  | atcttgacat  | ccagacataa  | cttacaagaa  | gtatagcctt | tatgtcccaa  | 2932080 |
| gtataattat  | aaatacctat  | ttactattta  | aatgaattag  | ccgtttttta | ctttacaatc  | 2932140 |

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|             |             |            |             |             |             |         |
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| tgtctataac  | caataagtaa  | atttatcatc | aaatttttatg | atgccaatgg  | taaacaataa  | 2932200 |
| aaaataaaga  | tctccttacc  | atacatatgg | acaacaaaca  | atcatatggt  | taatgtttaa  | 2932260 |
| acctacattt  | ccatggcatc  | taccaaataa | gttaaaatca  | ttgattatta  | aacagttgca  | 2932320 |
| acattttacc  | ccatttatat  | atgcactggt | tgctttcagt  | aaggaataaa  | aatattatct  | 2932380 |
| cccaatcata  | agacaaagt   | cttttcaact | accgatttaa  | aattatcttt  | caggtttaat  | 2932440 |
| aactaaatcc  | cctttgtaac  | ctttttctat | atcaaaagat  | gaaaatagaa  | aaagttacaa  | 2932500 |
| aagagattta  | aatcaagatt  | tcaatacctc | accatcttta  | aaacacagta  | tcttcaatta  | 2932560 |
| tttgccccac  | aacgctctcg  | cctctataag | agcacatcca  | ctagtctgtg  | cgccccactc  | 2932620 |
| ggtagttcca  | agagcagatg  | tagtccaatt | ggttccaaat  | aaaatatcca  | acttattttac | 2932680 |
| acctttacgc  | cacaaaatat  | ctgcattatt | actaaagaaa  | gtttcaaatt  | tcttacgata  | 2932740 |
| aagttcatcc  | aaatcaggct  | ccatgatcaa | cttaacaaaa  | tagcgcataa  | atatgccttt  | 2932800 |
| gaaaaatcca  | ccatctccag  | caccttcac  | acgtaagaca  | ttgtttccac  | tatcaatcat  | 2932860 |
| actcgcac    | ctaatacaga  | aataagcagc | tttacgtgca  | tcttttaaat  | aagtggcatc  | 2932920 |
| acctgtagcc  | ttatacaatt  | cgtgagcagc | tccaagaaa   | gttccttgat  | tgtaacttaa  | 2932980 |
| tgaaagggt   | ctgattttctc | cactttcacc | gttcaaatta  | tcataaacag  | ctccagtagc  | 2933040 |
| tttattaaac  | agatttttcac | gcaaccatgc | ataaatcttg  | acgccccagt  | tcttataggc  | 2933100 |
| ttcatccttt  | gttacagtat  | acaaacgcat | tgccaacaaa  | gctgccggac  | cattttgaaca | 2933160 |
| tgcatTTTTG  | ctccatggct  | ggtcagctct | ccatgctaca  | ccaccatcgc  | catattcttc  | 2933220 |
| attccagcca  | ccttcaatat  | agccccataa | ttctttggca  | gtattcaagt  | atttttcatc  | 2933280 |
| ttgagtagtt  | tcatataaac  | ggaccatagt | aagggaatc   | cattccatat  | catcataaaa  | 2933340 |
| attattccaa  | taggaacctc  | cattttttac | ttttatccct  | tcataccatg  | gagtaaacag  | 2933400 |
| atctgaatat  | ttagcatttc  | cgctacgcaa | gtaagcatca  | ataattacat  | ccatagcttg  | 2933460 |
| tgcttgaggc  | caatactgaa  | atccagtatc | attaccataa  | ttttgataat  | taaagtatcc  | 2933520 |
| ttcctcattc  | caaaaacgat  | ctggtaaagt | agagctggca  | ctatcagcag  | ccgcactcca  | 2933580 |
| atctattgca  | taaccagtat  | cgtatacata | ttcatcttca  | atttttactac | aggaagcaaa  | 2933640 |
| aagcattcct  | gtaataaaaa  | agagtaataa | ccacctatat  | ttcatagctc  | aattacttaa  | 2933700 |
| caagttctac  | atgatgtgta  | taattatctc | cagagaaaat  | aaccgaaact  | cgagtaacag  | 2933760 |
| ctccccgatt  | tgctccatcg  | gcagctccat | cgaattcatt  | gttcaatttc  | cattttctgat | 2933820 |
| cccactgggt  | attggcagtt  | tcagttatat | agaaatacgg  | atcatctgca  | gcagcctctc  | 2933880 |
| ccggattact  | atctgtagta  | ttcttagttc | cccacatctg  | agttgtacca  | tcggcatatg  | 2933940 |
| tcatcaagaa  | tttataacgc  | tggtctctac | cccaactttc  | ctgtttgaat  | tcgatgacag  | 2934000 |
| attcaccttc  | gaatacgcca  | ttgcctttat | aaggcagctc  | aaaagtaacc  | tcattacttg  | 2934060 |
| gacagaagaa  | gaatcctaag  | ctctgaattt | cagtcactct  | aacagaagct  | gttgtaaagt  | 2934120 |
| caaatacaat  | acgatagata  | cctcccttgc | tgacagttgt  | ttcaccctga  | ccttcgatga  | 2934180 |
| taacgccact  | ttcatttaca  | taataagatt | tagcatcagc  | agagttatta  | tcaaccagtc  | 2934240 |
| gataagactt  | tccttcttcc  | aatttagtaa | atacttcaaa  | tacacctaat  | tcatctggca  | 2934300 |
| tagaacacgg  | tactgctttt  | gtaatctctg | ttccaccttc  | agttgcttca  | ccagtcaaat  | 2934360 |
| aaacctgatt  | aggcagttca  | gtaaatcctt | tcagacaagt  | aatagtaaga  | gttcttgatt  | 2934420 |
| cagtagccat  | tgctgaattt  | aatcctctgg | aagcaacaac  | ggtccatttt  | aaagtaccag  | 2934480 |
| tttcgccacc  | attaataaccg | gctgcttttc | caatttttatc | caatacttta  | tgagtaattg  | 2934540 |
| tagcataact  | acgaactcca  | ttgttatcgg | caacaacacg  | ataaaccgga  | tttgagaaat  | 2934600 |
| caccatccac  | tttatcaaaa  | acaacttcat | acaatggcga  | gccactgtct  | tctgcttttag | 2934660 |
| ctgcagccca  | ctcaaagaaa  | agtgaagcgg | tagatgaagc  | aaccaatggt  | acactctgac  | 2934720 |
| catcggtagg  | ttcatacagt  | tgagtaacag | gactaacctg  | tgcatcctta  | tattccatat  | 2934780 |
| ctttagtaga  | tgacgtagaa  | aacaacaccg | tcaagcacat  | tacaaatata  | taaaaaaatc  | 2934840 |
| ttggtttcat  | cattataagt  | atttaaatat | tcaaagttaa  | tcaattagca  | tatcccggat  | 2934900 |
| tattttggagc | caaattatgg  | ttcaagtcga | tctgagtcgt  | aggtacagcc  | cacaaatagt  | 2934960 |
| ctctttgttc  | attaaagcta  | taagagtcta | cacgaattgt  | gccaacacct  | tcaaaagtag  | 2935020 |

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| ctccattcac  | atcaccattc  | aaatattctg  | aaccagcttt  | ccaacgcttg  | atatcgaacc  | 2935080 |
| atctcagtc   | ttccattgcc  | aattcacaac  | gacgttcatt  | acggattaat  | tgtctcatat  | 2935140 |
| catccgtaga  | aagagaagga  | tattccaatg  | caccctcatc  | agtaaatacca | gctctctctc  | 2935200 |
| tgatacgctt  | aattgtcata  | tcccagatat  | ccttcgtaaa  | ttcacctttc  | tcgaattttg  | 2935260 |
| cttcagcata  | cattaacaat  | acatctgcat  | aacgcattgt  | aatgatattc  | aggcctgaat  | 2935320 |
| tcaaatacacc | agcatcctgt  | ggactataat  | acttacgtac  | atagtaacca  | gtagctgtgt  | 2935380 |
| tattactacc  | atatacatat  | ttatcgacag  | tggttgaagt  | actcggatcg  | acatgtataa  | 2935440 |
| cagttcctac  | actaccatca  | tttacgttac  | cactccaatc  | atagccatcg  | tatacaattg  | 2935500 |
| ttgccgtcat  | acgtggatct  | ctgtttgcat  | atggataatc  | tgcagtataa  | ccactaccag  | 2935560 |
| cttcattgat  | tctcttaccg  | ttcagcatga  | tatagctatc  | aaccaacgac  | tgctgaggaa  | 2935620 |
| cacggttaat  | tgttctacct  | cccacactca  | acggagccat  | atcgcccata  | tctccccaag  | 2935680 |
| tcaaaagttt  | ctttacatac  | gaacgatcca  | agattacttc  | ctgattatgc  | tcattctcct  | 2935740 |
| cttcaaaaca  | tccacggtaa  | gaaggaaaca  | aatcataagt  | tccatattca  | ccctgattgt  | 2935800 |
| tgatcagatt  | atctgtatag  | gtaattactt  | tatcccagtt  | tccttccatc  | aagtatacac  | 2935860 |
| gtgcctgcaa  | catgcttact  | gcacctttcg  | taattttacc  | ctgttcgtct  | gccgataaag  | 2935920 |
| cagtattaat  | tggcagatca  | tctttaatat  | cttccaattc  | atcatggata  | aactgcaaaa  | 2935980 |
| ctgtagcagc  | aggagtacga  | cttattgtat  | tagcctcatc  | caatgtaata  | tcctttgtaa  | 2936040 |
| agaacggaat  | atcaccataa  | aaattaacca  | gacggaaata  | aattgcagca  | cggataaagc  | 2936100 |
| gaatttctgc  | tatcatacga  | gcttttgag   | aaggattcat  | gttaggaatc  | aagtctactt  | 2936160 |
| tatctagaaa  | aacatgacaa  | gtcttaattc  | ctccatacaa  | actttgccat  | tcacttgaaa  | 2936220 |
| aaacgccaac  | agaaggagta  | gcctgtccct  | tacgaatagc  | acgctgatcg  | gttaccgtac  | 2936280 |
| gaccatctat  | tacattatcg  | ctcaaacttt  | catccgacca  | cattttccca  | gcatcataca  | 2936340 |
| tctggctgta  | cgccatatta  | accacattct  | gtgcttttgc  | ctccgatgtc  | caataactgt  | 2936400 |
| tatcggtaaa  | tttatttgta  | ggtacatttt  | ccatgccatt  | gcaagcagac  | aatagcaata  | 2936460 |
| ctgcacttac  | aacatacagc  | atataatgtt  | ttaatttcat  | aaaatcacac  | tattaaaatt  | 2936520 |
| ctacatcaat  | accaaagcca  | taataacgca  | atgtcggata  | agaacgtcca  | ctgtttgcgc  | 2936580 |
| cttcggctga  | catttttagag | tcgaactcag  | tagattcagg  | atcgataaag  | ctattgttac  | 2936640 |
| taaatgtcag  | caagttatcg  | ccacttacat  | acactctaag  | cttttccatg  | ccgatctttt  | 2936700 |
| ttgaccaagt  | cttagggaat  | gtatatccta  | ttacaacatt  | cttcaaacgc  | atataatttac | 2936760 |
| catcaagaat  | ctgcatgtca  | gaaccagttt  | tataattatt  | tttattcgag  | tcagaacctg  | 2936820 |
| gagctgctag  | acgaggccag  | gttgcatccg  | tatttgcg    | agtccagaaa  | tccagctgat  | 2936880 |
| gtttgaatat  | attatatgaa  | taattttcat  | gaaatggttc  | aatcaattca  | ccacgcaaca  | 2936940 |
| tcatatcacg  | ctttccaact  | ccctgccaga  | acatactgaa  | atcaagtcct  | ttccaagaca  | 2937000 |
| agttataagt  | gaatccgaat  | gtataccgcg  | ggaatgcgtt  | acctaaaatg  | tatcggctct  | 2937060 |
| ttgagtcaat  | cacaccatca  | ttattttctat | ctacaaattt  | cacatcaccc  | ggctgaacct  | 2937120 |
| tacctccaac  | aggaatagca  | gaagcttcaa  | tttcttcgta  | gctctggaag  | taaccatcgg  | 2937180 |
| tcttataacc  | atagtaagag  | ttcaaaggta  | caccttcacg  | aataatacgt  | tccagttcat  | 2937240 |
| taacttttgt  | aatctgttcg  | tgacctggat  | aagttaagac  | cttattataa  | gaatcactta  | 2937300 |
| aattgaaact  | aaatccatgt  | tgaacttgct  | ctgtgcgtac  | gttataattg  | ataccgattt  | 2937360 |
| cccacctctg  | gttctgcatc  | tcaccaatat  | tatccatagg  | catatctgtt  | ccaaaaacgg  | 2937420 |
| taggaactat  | aggcttcac   | aaaatatcag  | ttgtacgttt  | gtagaaataa  | tcgaatgtta  | 2937480 |
| cattcaactg  | attcttgaag  | aatgaagcat  | caacaccaat  | attaaatgtt  | tttgtttttt  | 2937540 |
| cccattgtcaa | atcattcaat  | cctaaggcga  | aaccagttcc  | tgaacaacc   | gaattaccat  | 2937600 |
| aagcataatt  | attatcgtat  | acggtataag  | ttgtaaaacg  | gtcataagta  | ccgatagcct  | 2937660 |
| ggctacccaa  | gataccaaat  | gaagtacgca  | gtttcaaatac | accgactttt  | tctttataga  | 2937720 |
| aatccataaa  | gttttcttca  | gacaaacgcc  | atcctaagaa  | aacagaagg   | aagaaacccc  | 2937780 |
| atcgataatc  | tttatggaat  | ttagatgaac  | catcataacg  | gaaactaaat  | tcaccataat  | 2937840 |
| acttatcagc  | ataagaatat  | ccgacacgac  | ctaaaaaaga  | agtaagactg  | gtacgattgg  | 2937900 |



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|             |             |             |             |            |             |         |
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| cgatacctaa  | atcaggatca  | acatacttct  | tttctatttc  | attggcagta | taagtatacg  | 2938020 |
| attcgttcgt  | cacacccaac  | aatccactta  | ctgtatgctt  | accaaacggt | ttattgtaat  | 2938080 |
| tcaacaacag  | ttgggtattg  | atcagatacg  | catcactatt  | ccagttactt | gacttattgt  | 2938140 |
| tagccaaatt  | aaccggtctt  | ggagtagtag  | catcttcact  | tgcataatat | gctacagcat  | 2938200 |
| tatttctcgt  | aaaacgtgta  | tcgttgataa  | catctgctcc  | cacaactccc | ttcagagaaa  | 2938260 |
| ggccgtcgat  | aatcttcatt  | tctgcagaaa  | catttgcatt  | caaataatta | ttacgatact  | 2938320 |
| tattatatcc  | acctgcttcc  | aacgatccaa  | gaggggttaa  | ttctgacaag | atatcattca  | 2938380 |
| acagataacg  | accatctgcc  | gatttcatct  | tgtaatagta  | ataagtagga | acacgttctg  | 2938440 |
| catcaatttc  | caaactacca  | cccgtcgtac  | tgatactatt  | attacgcgta | tatgcaagaa  | 2938500 |
| ttgcgttcaa  | tttaaagcgc  | cccacttctg  | tattgatatt  | tgtacggaag | ttataacggt  | 2938560 |
| ctactccaaa  | atttttattg  | cctacatagt  | tactttcctg  | atcaaaatat | cccatagaaa  | 2938620 |
| ccatataagt  | agtattggca  | gaacctccag  | atacacttaa  | gttgtaattt | tgctgtaacg  | 2938680 |
| ctgtgcgcat  | aatttgatcg  | taaaaccaac  | tttcttcact  | ctcatgagca | gccaaatcac  | 2938740 |
| gaatctgttc  | cggagtgaat  | ttaggatcac  | ttcccacatt  | ggtgtaagcc | aagttgggta  | 2938800 |
| acgttgcatt  | ctgccatcca  | gcaaccggag  | agaacagaat  | atcaggattc | tgccatccaa  | 2938860 |
| cagaaccact  | taaacgaacg  | gtcggctttt  | catttttctt  | accagtttta | gtagttacta  | 2938920 |
| caattacacc  | atttgccgaa  | cgtgatccgt  | aaatagctgc  | agtacctgca | tccttcaata  | 2938980 |
| cagagatgtt  | ctcgatatcg  | ttagggttca  | acttattgaa  | gctaccacta | tcagatacga  | 2939040 |
| taccatcaat  | aacaatcaac  | ggactattat  | cattcagggg  | actgatacca | cgaatattaa  | 2939100 |
| agttcgtttt  | gttatcatta  | gggttataac  | ttgtctgctg  | gacaataaca | cccggagctg  | 2939160 |
| caccctgcaa  | agcttgtgtc  | acatttgcaa  | caggacgctt  | ggtgatggct | tcagacttaa  | 2939220 |
| cctggctgac  | agatcccact  | gcactttttac | gggtagtagt  | accatatcca | attacgatta  | 2939280 |
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| cctttatttc  | tgctgtttta  | tagccaatgt  | aagaaaaaga  | caacacactt | cccttttcac  | 2939400 |
| actgaagagt  | aaaattacca  | tctatatcgg  | taactgttcc  | ctgtcccagc | ctacctttca  | 2939460 |
| cagaaatgct  | gactcctatc  | aacggctctc  | cattttacatc | ctttacattt | cctctgactg  | 2939520 |
| tcatcgcagc  | ctgttgtgat  | actgctgcag  | aactactctc  | tgtagcataa | agagtagtag  | 2939580 |
| cagaagaggt  | taatgtaatg  | gccgccagag  | cagctaacat  | ttttaaatta | gtattcattt  | 2939640 |
| ttattgattt  | aaagttatgc  | atattctata  | atgctttaga  | tataagacaa | ataagagaaa  | 2939700 |
| aatacaccta  | tttatcttat  | cactttatgc  | cattcaatac  | atccaatttt | ccatcagcaa  | 2939760 |
| tgagtttcag  | aatcaattct  | ccaaacaacg  | tattctgcca  | tgcaaaccac | ggacgcgtaa  | 2939820 |
| acttttctgc  | attatcttta  | tggaaagact  | catgcataaa  | acctgtacca | gcgtccgtac  | 2939880 |
| tcattaacat  | ttttacgcac  | gactgaattt  | cattatcatc  | ctgactagta | aaagctttca  | 2939940 |
| tcattgatact | cataggccat  | accatatcat  | aaccaatgtg  | aggaccacct | ataccttcac  | 2940000 |
| ccgctttccc  | tttaaagaag  | taaggattat  | cttcaactcca | gacaaaacga | cgagtattct  | 2940060 |
| gataaatagg  | atcattttata | tctacatcgc  | caaataaagg  | cattgcaagc | aaactaggaa  | 2940120 |
| cattcgcatac | atccatcaac  | agatagttcc  | caaatccgtc  | cacttcataa | gcgtaaattct | 2940180 |
| ttccatactt  | aggatgatta  | tagattgcgt  | attttttcaa  | agcaccttca | acttcattag  | 2940240 |
| ccaagtctgt  | acattgttta  | gccaaatccg  | tttttttatt  | aacctgctct | aatatttcgg  | 2940300 |
| ctgctttcct  | taacgaagtt  | acagcaaaga  | aattagaagg  | aataaggaac | tggaaagtag  | 2940360 |
| aagcatcatc  | agaaggacgg  | aaagaagaag  | caatcaaacc  | tacaggcttc | actggatttc  | 2940420 |
| cccattccatc | attcgtcata  | gtatccaagg  | caggttccgt  | ttttctttgg | aaagaatatg  | 2940480 |
| agccacgccc  | atctttacgt  | tgctgggtctt | tgaatgtaga  | caatatattt | tgaattgctg  | 2940540 |
| tcattccataa | atcgccaaaa  | acagaagtat  | caccgcgaac  | cttccagtag | tgataagcca  | 2940600 |
| gacgcaaagg  | atagcacaaa  | gagtctattt  | cccattttacg | ttcatgaagc | tcaggcttca  | 2940660 |
| tatccgtttt  | atcactcatc  | cattctcccc  | caaccggacc  | atcattaaag | ccattcgcac  | 2940720 |
| aaggatcaat  | attgatacat  | ttccattggc  | gaaggatcac  | acctcgtaac | atctttttca  | 2940780 |

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| accacatggc | atgaatatcg | cctgtatata  | cgaatgtatc | atcatcacca  | tcttgcgtag  | 2940900 |
| gataatgtac | agtcgtatca | agagtattgg  | gaaagcaatt | ttcaaaccatc | catctttaat  | 2940960 |
| aaggattggt | caataattcc | tttacttctt  | gtatcttagc | ctcaacagct  | tttgaatgaa  | 2941020 |
| acaagcgctt | agaaaactct | ggacgttgcg  | acacatattg | ttgagtactt  | tcacgtacag  | 2941080 |
| ccacaggaaa | tacttctacc | aacgaagaag  | cataaccatc | ctctgcaatg  | aaactagctc  | 2941140 |
| ccataagtgt | acacaacaat | acacttttca  | aactaatcgt | atttttcata  | actatTTTTT  | 2941200 |
| ataatatatt | tattttattc | ttgccagtct  | tgcatacatt | tctatcatcg  | cagcctgagt  | 2941260 |
| aagcaaccac | tttgtttctt | tatttttcatt | tttcttttcc | acaaagcaat  | catcttcaaa  | 2941320 |
| cagtctatta | tgattagcat | tatgtgccca  | catatatgtc | aaggattattc | taaaatcatt  | 2941380 |
| caaataaaca | ggattatgat | ccactttata  | aagttcttca | aatcctctca  | acataatagc  | 2941440 |
| tacaaaccaa | atattacat  | tttttattgc  | cctaaacttc | ttgtcatccg  | acacaaaatt  | 2941500 |
| ttcaaaaaaa | tactggctac | aagccaaagc  | caaccgttgt | gcttcctcca  | aataagaatt  | 2941560 |
| ctgctttgtc | agattatata | ataagacgga  | agcttgcaac | atgtgtcccg  | catttatatgg | 2941620 |
| aaacttggtt | ttatttacct | gaccatccaa  | tgtagatta  | tcataataaa  | ggtaatcgga  | 2941680 |
| aggatcctgc | aacttctcct | ttgtccaatc  | atacaacttc | ttacccatct  | cgaaaaaatg  | 2941740 |
| cttctccttc | gttacagaat | ataacttcaa  | agccagtact | acagccggag  | cattcgaaca  | 2941800 |
| agtattcttc | gattcctttt | tttgttcgca  | ccaataaact | ccacctcca   | aaatagaatc  | 2941860 |
| acaaccactt | tctataaaac | tccaaatatt  | tcgagctgaa | gctaaacagg  | cgctatcacc  | 2941920 |
| tgtttgtttg | tataaatcca | gaaaatccaa  | tcccaaccaa | agattatcat  | cataaaaacg  | 2941980 |
| atccgccttt | ccactttctg | taagataaga  | ctgataacaa | gcaggcacac  | gcaatgaatc  | 2942040 |
| ataatagcat | tcaagtcccg | gtaaaatcac  | agattgaatc | atctgctcgt  | atcttctggt  | 2942100 |
| tcccgtagtt | tccaataaag | catttagagc  | agaaaacatt | cctgaagtag  | gccataaata  | 2942160 |
| agctacccta | tttttgcgta | tagtatcagc  | tcctgccaaa | taggttacca  | gatcaccgct  | 2942220 |
| acgcttagga | aacgtttcat | aaaataaatt  | ccggtcagga | actttatagt  | atgccagtgt  | 2942280 |
| actatcta   | aaagttgcag | catgatccga  | aaaatcgata | ttggatttct  | ctctatgaca  | 2942340 |
| tccgcataga | aagaacagaa | ctccaatact  | cattatttaa | atatatTTTT  | tcataaactt  | 2942400 |
| acctttat   | aacgttctat | ccgaacgtgt  | acaaaggtaa | tattaccacg  | ccataaatat  | 2942460 |
| atatccatct | cagacaatca | tgtcaactat  | caagtgatgt | gaattatata  | aaaaatttta  | 2942520 |
| tatgtatata | catatgtcat | cgatgtatgc  | atatatgtca | aatatgtaaa  | atttaacatt  | 2942580 |
| tctaatacac | aatataccat | attattacct  | atatttgaaa | tacacaaact  | ttaaatacgt  | 2942640 |
| gaatattatg | aacgcaaact | ctgttttcag  | tttgcacatt | ccaacaagaa  | tcttgttcgg  | 2942700 |
| atgtggtgag | ataaagaagt | tagcaacaga  | aatacttccg | ggaaagaaag  | ctatgattat  | 2942760 |
| catttccggc | ggtaacttca | tgaaaaaata  | cggatattta | gataaagtaa  | ccagcttctt  | 2942820 |
| gacagagaat | gatgtcgcat | ctatcgttta  | cgataaaatt | ctaccaatc   | ctattaaatc  | 2942880 |
| gcatgtaatg | gaagctgctg | ctatctgtcg  | cgaacaaggt | tgtgacttta  | ttatcggatt  | 2942940 |
| aggtggaggt | agtaccatag | attctgccaa  | ggctattgcc | gttatggcat  | gcaatgacgg  | 2943000 |
| agatttctgg | aactacgtaa | caggtggaac  | cggcaaagga | cgtccagtta  | ccaaagcact  | 2943060 |
| tccattgtt  | gccattccta | ctacggcagg  | aacaggaaca | gaagttgatc  | cgtgggctgt  | 2943120 |
| aattaccaac | gaagaaaaac | aagaaaaaat  | aggctttggc | tgcccgtca   | ctttcccaac  | 2943180 |
| tctttccatc | atcgatccgg | aattaatgat  | ctccatcccc | gcacatctaa  | cagcctatca  | 2943240 |
| aggattcgat | gctttcttcc | atgcagctga  | aggattcatt | gccaactgtg  | caaccccaat  | 2943300 |
| cagtgatctt | tatgcattgg | aagctatccg  | cttactctac | aaataccttc  | ctgtagccgt  | 2943360 |
| aaacgacggc | aagaacttaa | aagcacgtgc  | taaagtagca | tgggccagca  | cacttgccgg  | 2943420 |
| actggtagaa | gctacatcca | gctgtacttc  | cgaacattct | atggaacatg  | ccatgagtgc  | 2943480 |
| tttctatcct | gaattacctc | atggagccgg  | attaattgct | ctgagtgaag  | cttattttga  | 2943540 |
| aacattccgt | aatgactgca | tgaagcggtta | catgaaaatg | gcggatatca  | tgacacagca  | 2943600 |
| gaagagtaat | cgtccaagcg | acttcacgca  | tgcgctggta | cgcattgaaa  | aggaatgtca  | 2943660 |

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| tcagaatgca | cgcgatacaa  | tgggtgggtct | gtttacctta  | gatccacgtc  | cgcttacaga  | 2943780 |
| cgaagaagta | ttgaacatct  | acaaacaatc  | ttataaataa  | aggtctcact  | tagtctgtca  | 2943840 |
| atcatctaaa | agagaagcga  | ccattcacat  | ggtccgataa  | agtaaaacaa  | aaagagttca  | 2943900 |
| ccccaaggat | gaactctttt  | tgctatttaa  | cgtgagttcg  | atataaagat  | taaaattatc  | 2943960 |
| agtttgaaaa | ttaggaacat  | agcgataaaa  | gcattaaatt  | tatagtgtct  | aagtataaca  | 2944020 |
| tttaagcgat | taccactatg  | ttctcagagt  | ctaaagttac  | ggagattttt  | tgtatggcgg  | 2944080 |
| atgatttttg | caaggaattt  | gccaaaacac  | aggaaaaata  | tatggttgaa  | gaaaagaatc  | 2944140 |
| ataagcatcg | gaacaagccg  | aaccggatga  | gtgatgcgga  | aatcatgggtc | atcttgatcc  | 2944200 |
| tgttccactc | gggagggttc  | agatgtttca  | agcattacta  | caaagaatat  | gtatgcaaac  | 2944260 |
| atctgacgca | tctctttccc  | agacgtgtgt  | cctataaccg  | ttttgtggaa  | ctggaaaagg  | 2944320 |
| aagtcctgtt | gcagctgacc  | attttcatca  | aggaagtcct  | gttgggtacc  | tgcaccggta  | 2944380 |
| tcagctttgt | ggattccacc  | ccgctgcgtg  | tatgccggaa  | ccaacgcata  | ttgattcaca  | 2944440 |
| agacttttaa | gggtctcgcc  | gaacgtggaa  | aatgctccat  | gggatgggttc | ttcgggttta  | 2944500 |
| agcttcacct | gatcatcaac  | gataaggtg   | aaatcctcaa  | tttcatgttc  | actccgggaa  | 2944560 |
| atgtggatga | ccgtgaaccg  | ctgaaacaga  | caaagtccct  | gaagaatata  | aaagggaaac  | 2944620 |
| tctgtgcgga | caaggggtat  | gtcgggcaaa  | ccctgttcga  | gaacctgttc  | cttaacggca  | 2944680 |
| tacagttgat | aaccaaagt   | aagaacaaca  | tgaagaactc  | cctgatgaac  | gtggcggaca  | 2944740 |
| aaatcctgct | gagaaaacgt  | gctttgattg  | aaacagtcaa  | tgacgagtta  | aagaacatcg  | 2944800 |
| cccagattga | acactccaga  | caccgttcct  | tcaataactt  | tattgccaac  | tcgctctctg  | 2944860 |
| ccatagctgc | atactgcttc  | tttgaaaaga  | agcccgccat  | tgacgtttgt  | tttgtcaaag  | 2944920 |
| acggacaact | cacgatgttt  | taatttattt  | cgaactcacg  | ttatttatta  | ttctgttacg  | 2944980 |
| gcaaatttca | atgtcgatac  | atcttcgctg  | ttcggacca   | tcattacatt  | aaaatctccc  | 2945040 |
| ggttcacaaa | cgtaatccaa  | atcgtaatca  | tagaatttaa  | gtagtcccg   | agttatcttg  | 2945100 |
| aaagatactt | tcttgctttc  | tcctttcttt  | aaatgtatac  | gctggaaacc  | tttcaattct  | 2945160 |
| ttcaccggac | gagtaatact  | tcctaccaga  | tcacgaatgt  | acaactgaac  | aacttcatct  | 2945220 |
| gcatcataat | ttcccgtatt  | ggtaaccgtg  | atagaagcag  | tcagttcccc  | attctgcttg  | 2945280 |
| ttcatggagt | cagcactcaa  | ctgcatgtcg  | gaataagcaa  | atgttgata   | gctcaaacca  | 2945340 |
| aatccgaatg | gatataaagg  | atcgttcgat  | acatcaatat  | aattgctgcg  | gaacttttca  | 2945400 |
| aaccatttgc | ctttagccaa  | cggacgacct  | gtgttcttat  | ggttgtaatt  | cataggcaac  | 2945460 |
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| ggaacgtgct | gctgttccca  | agtcatgact  | gttgacggc   | ccgcaaatg   | aaccagcaca  | 2945640 |
| acaggcttac | ctgttttcaa  | caaagcatcc  | agcaagtcac  | gctgtgcac   | cggcatttcc  | 2945700 |
| aggtttgtac | gactgctgca  | ttcaccactc  | atcttcagaag | attctcccaa  | tgcggttaca  | 2945760 |
| atgacatcag | cctgtgaagc  | aacacgcaag  | gcttcgtcca  | gtaattcctt  | atcattgcc   | 2945820 |
| cgaggaattt | cccgaaccgaa | catggtagca  | cgagtctgat  | aatccgcac   | gtacatcaaa  | 2945880 |
| ttactgcctt | gtgcataaag  | tacattcgcc  | tgattaccca  | ctgctttttt  | caatccttcg  | 2945940 |
| agcaacgtac | tgtaacgttg  | cggagttgca  | gcaacactcc  | atgtacctgg  | catattagta  | 2946000 |
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| accatatcca | tatcggttcc  | agccttcagt  | gcacgcgcag  | atacttcctg  | caaactctccg | 2946360 |
| attccatgat | ccaccatttc  | agctattgcc  | gtatagtcgg  | taacaacgaa  | accatcaaat  | 2946420 |
| ccccactgtt | tacgcaaaac  | atccgtcatc  | agccagcgg   | tagcagtagc  | aggaactcca  | 2946480 |
| tctacttcat | taaacgaact  | catgaagcta  | ccagctcccg  | cctcagcagc  | agctttataa  | 2946540 |

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| ccggcctcga | tggcaccata  | caaggcaaag | tgctttacac | aggccattac  | ctcatcgttt | 2946660 |
| ctttccatct | tttctccctg  | atagccttta | accattgcct | tggctatttc  | agctcccaga | 2946720 |
| taaggatcct | ctccattacc  | ttccgaaaca | cgtccccaac | gggcatcgcg  | gcaaatatcc | 2946780 |
| accatcgggc | tgaaggtcca  | gcagatacca | tctgcactgg | cttcaatggc  | agcaatacgc | 2946840 |
| gcagactttt | caatagcctc  | catatcccac | gtacaagaaa | gagccaaagg  | tataggaaat | 2946900 |
| acagtttcat | atccatgaat  | tacatccata | ccaaaaagca | atggaatacc  | caaacggcct | 2946960 |
| ttttcaacag | ccagctcctg  | catttcacgg | atagctttca | cccctttcag  | gttgaacaag | 2947020 |
| cctcctactt | ctccccgact  | gattttccca | gccacatcac | tactcttagc  | ctgtcctggt | 2947080 |
| gtaatattac | cgggtgacagg | caagtttaac | tgaccaactt | tttcttgaag  | agtcattctt | 2947140 |
| ctcatcagtt | cagtcacgaa  | cttatccatg | ttaccttcgt | ctttaggcaa  | cagcgatttt | 2947200 |
| ttatttccgg | caaagagagt  | agccgacaca | cataaagaag | taaccaaaag  | gaatgttgct | 2947260 |
| tttttcatta | tttctttctt  | attaagataa | atcatttttt | aacttcaaaa  | cctaaattct | 2947320 |
| tgagtccagc | ctgaatttca  | ggacaactca | taaacaagtt | ccagagtaat  | ccggtacgat | 2947380 |
| agttttctat | cattggagca  | atcgtacact | gatctatagc | cagatagtga  | ggtacagtcc | 2947440 |
| agttcgtgt  | ttccgaaaag  | gcatacataa | aaccatacgt | accccagatt  | gtatcacctt | 2947500 |
| ttgaataaaa | atacttcaaa  | gcacgcattg | attcttccgg | agtatacgga  | aaactcgaca | 2947560 |
| aagcagccgt | aggagtaatc  | acccctaaat | cattttcacc | cggacaatgt  | gccgcataac | 2947620 |
| cattcacaga | ataactggca  | gtcagtcccc | agcaattttc | accatatcct  | ttatagccct | 2947680 |
| tcggattctc | tacacaatac  | cggtaatcag | acaatgcatg | gtttcgtacc  | acattccaat | 2947740 |
| aatcggcata | acggtcttta  | attttacgtg | gatccaatcc | gatataggaa  | taatgtgccc | 2947800 |
| agaacaatgg | acctcccagt  | tcctcggtc  | cattatgttt | caactccaga  | ggcaatccat | 2947860 |
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| caggaaccgg | atgctgttgg  | gaagatgctg | ccagcacata | aacaattaaa  | gcttcattgt | 2947980 |
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| cgtctttccc | gttctgatac  | cagtcgaatt | ccatttcgtg | ccacaattta  | ttaatttttt | 2948100 |
| cacaaagttc | cttctctcta  | gaggtcccat | tttcaaaata | ctggcgaaca  | cagagcaaac | 2948160 |
| tttgcatac  | aaaacaactc  | tctactaaat | cgcctccatc | atctttcaat  | ccaaaaggct | 2948220 |
| ttactttacc | ggtaggtccg  | tcaagccagt | gaggccatac | cccatgaaaa  | cggtcggcac | 2948280 |
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| ttcggtcgat | agcaaccaga  | ataccggcaa | taccgaaacc | actgcctccc  | gtagtgacta | 2948400 |
| ccgaagaatc | attctgggga  | taatttccat | ctagatgaat | gcgttcagga  | gccagacctg | 2948460 |
| aggctttttc | cgctccatcc  | cacatataat | taaaatgtac | cttttgtata  | taatccagca | 2948520 |
| ttgcactatc | cgaagggaag  | gattccggac | gagtacttgt | ctggtcagta  | atgcttaagt | 2948580 |
| tttctccttt | tttagccgat  | gtgcacgaaa | gcaagaacag | tacacacaag  | ccacaaaaat | 2948640 |
| atttccacat | aagtatctac  | agattttatc | tgttatcaat | ccttttcagga | gcctcacgtc | 2948700 |
| tacaacgcta | agccccgtga  | agttatttta | ctaaaagcat | aagccattat  | tcgtcttttc | 2948760 |
| gctcgttttc | caatgttgaa  | gatatatcaa | tctgggagg  | aggaaccgga  | tagtattctt | 2948820 |
| ttccggcagt | ccatcccaaa  | ggacctaata | cttcgctcaa | cttacctgta  | cggcgcagg  | 2948880 |
| cattgtatcg | ttcaccccat  | tccaatgcaa | gttccatacg | acgttcaccc  | ataatctgat | 2948940 |
| cgattgtcac | atcctccaac  | tcaggcattg | ctgcacgttt | acgaaccaga  | ttaaatggaa | 2949000 |
| cgtcaccatt | cttttcttga  | cgtacctttg | cttcagcatt | catcaaaagc  | acttctgcat | 2949060 |
| agcggaatac | acggatattg  | ttatttgttc | catattccgt | acgtccatcg  | gtcatctggt | 2949120 |
| tagacggagt | ataagccttt  | ccgttaaagc | aatccggagc | tacgctgcta  | gccggtgcct | 2949180 |
| tgatgaaatc | accttcttga  | gtcgtttcac | ctgccatcag | gaagggttga  | gtagcacgaa | 2949240 |
| cggtttcacc | acgttcggcc  | gccactgac  | ggaaagcttt | cgtcggactg  | ataaagcccc | 2949300 |
| atccggaaat | attaccatca  | ttcaaagggc | cctggaatac | aaaccagctg  | tccggaacga | 2949360 |
| caacttctcc | cgaaccgttg  | ccaaaatcag | taaactgcat | ttcgaacaaa  | gattcatcac | 2949420 |

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|             |             |             |            |             |             |         |
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| agagtttacc  | tggaatttta  | aacaagttat  | taaagtcac  | gtataaagag  | aactttttac  | 2949480 |
| ttccgataat  | atcatctgtc  | agttcctcaa  | ctttcgacca | gttctcctgt  | tccatataaa  | 2949540 |
| ctttggcagc  | cagcatctca  | gccgtaaagg  | cagaagcagc | acctatacga  | tctgtatatt  | 2949600 |
| cgttcggacg  | gatacgaggc  | aaatgtgtta  | tagaataatc | caaatcgctt  | aacatatagc  | 2949660 |
| gatatacagc  | atttaccgta  | gaacgagtc   | tatcggtctg | cttattgtca  | cgcaaaatgg  | 2949720 |
| taacaggacc  | aaacaattct  | gtcagacgat  | agtagcaata | ggcacggata  | aattttactt  | 2949780 |
| cgctgtata   | ttcttcataa  | cgtttttcat  | ctgtatccga | aacgatgttg  | gcagcataac  | 2949840 |
| catcaagagc  | ctccagtgtc  | gcattggcta  | ccttaatgat | gtcataataa  | accatccatg  | 2949900 |
| cctcgtttgt  | tcccagaac   | ccggcattat  | aagtataatt | ctgatcgata  | gcaaccaa    | 2949960 |
| ctgcctggtc  | gtcaattcga  | cctgtagaaa  | catcatcgtc | acgaacaacc  | gtagctcccc  | 2950020 |
| atacaatcca  | gtgagaacct  | ctctggcgta  | actttgcata | gacaccagat  | accggctgat  | 2950080 |
| acataattatt | caggtttgta  | taatcaacct  | tttcttcgtc | gaccttattc  | tccggcaact  | 2950140 |
| tgtccagata  | atcggagcag  | gaagagaata  | atgttgtggc | agcaaacgca  | cacagtaata  | 2950200 |
| tattttttat  | cttaagactt  | ttcataaatc  | agcgtgttta | acaatttggt  | agaaatcgat  | 2950260 |
| agtcaagcca  | aaagtatatg  | tggcagccag  | tgggtaaaca | ccctcgctcc  | aaccatagct  | 2950320 |
| ctggctaatt  | tcaggagtaa  | atccgttcga  | agtaaagtaa | gtaaacggac  | ggtcagcagt  | 2950380 |
| caaacttacc  | tttacacccg  | gcaatgtata  | acttcccatg | cggatattgc  | ggaaattata  | 2950440 |
| tgccagcatg  | atattctgta  | tacggaagaa  | attacctttt | tcaacaaaga  | aggagtgtgt  | 2950500 |
| atgactgtta  | ttccaagcct  | tcagcatacc  | ttttgccgaa | ggatatgaat  | tggtagaacc  | 2950560 |
| ttcacccgtc  | caacggttat  | catagaaatc  | cttatcgaag | ttgaagtttg  | cctgagtata  | 2950620 |
| acgtacggca  | cgcttacggt  | tataaatttc  | atttccggct | tgtccgaatg  | ttgacaaaga  | 2950680 |
| gaattccaga  | ttcttatatt  | ggaaacctaa  | attgaaacta | taagtcaggg  | tcggtatatt  | 2950740 |
| cgatcctaaa  | atctgacggt  | ctttatcatc  | aatcacctgg | tcgttggttca | catcttcata  | 2950800 |
| aatgaaatct  | ccagggttcca | gtccatttagc | cttagctatc | ggatcaacat  | caatctgagc  | 2950860 |
| ctgattctga  | tatactccca  | acactttata  | tccgtaatac | gactgcattt  | cttcgcctac  | 2950920 |
| cagattgatg  | gtacggcttt  | cagcactacc  | accataaata | taaggagcac  | cattcagact  | 2950980 |
| ttttacacgg  | ttacgcaaag  | tagacagggt  | cattccggca | taataactga  | agtcctttacc | 2951040 |
| gattttgtca  | ctccagttca  | actggatatc  | aaaaccactg | tttcgtattt  | ctccattatt  | 2951100 |
| acctgccaaa  | gtctgtgtac  | tgaagggcaa  | ggtagtactg | ataacagcat  | ttttagtgtat | 2951160 |
| acggttatag  | taatccacat  | ccacgttcaa  | acggctgtct | aacagagcaa  | agttttacacc | 2951220 |
| agcggttaaac | tcttccacct  | tttcccagcc  | taaccagctg | aaataacttg  | tattctggaa  | 2951280 |
| tccaggcaat  | gtcgtattac  | cgaatacacc  | cgaagcagaa | gtcccggtag  | taatagaagc  | 2951340 |
| aaatccgtca  | ctggctgaaa  | catggctcatt | accagctgtg | ccccagcttg  | cacgaacctt  | 2951400 |
| caaataatca  | attgcatgct  | gtttcttaaa  | gaagttttca | tactcatta   | cccatgcagc  | 2951460 |
| tccaacagaa  | gggaaatacc  | cccacttatt  | ctgatacttg | gaactaccat  | cggcacgcat  | 2951520 |
| tgtcaaaagac | aacaaatact  | ttccggcata  | atcataactt | gcacgagcaa  | aataagataa  | 2951580 |
| tccacgatag  | caagaaccgt  | catcgcttac  | ttcacgtccg | gtagagttac  | cttgagtaag  | 2951640 |
| gtataaatac  | tcatcataat  | ctccgggaac  | attgcttgcc | tttccttcca  | gcttacgcat  | 2951700 |
| ctgctcctga  | cgtgcagact  | gtcccagcaa  | gacattcagg | ttatgactac  | cccacgagtc  | 2951760 |
| tgtataagtc  | aatgtattat  | cccaaatgta  | attataatag | tttgtgtctg  | tcttggtcaa  | 2951820 |
| tcttgattca  | gaattctgct  | gcaatgaact  | taccagataa | ggctgaacat  | acacacgtcc  | 2951880 |
| tcttatcaaa  | gagaagtcct  | gactatagct  | ggtcttaaac | tttaacttat  | taggaattaa  | 2951940 |
| gttcaactca  | gcgaaaaagt  | tagccattac  | ctggaagggt | tcattcaagc  | tattgttatt  | 2952000 |
| gtattttggca | atagccaccg  | gattcgagaa  | gttattagta | agccctat    | gctgaggaga  | 2952060 |
| agcaaacttt  | tcagggaaag  | cctcatcgtc  | cgaacgagta | taatcataca  | caggcatcaa  | 2952120 |
| ggaaggcatg  | ttgtaagcag  | ccagccaagc  | tgagttttca | ggattatact  | gttctgaatt  | 2952180 |
| actgattaca  | atgttacttc  | caaccttcaa  | ccagtcgggt | gcttcaaaat  | caaagttcgc  | 2952240 |
| acggaagtgc  | aaacgattgt  | aattattgcg  | cgtatccatg | ataccattct  | gatacagata  | 2952300 |

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|             |             |            |             |             |             |         |
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| gttgatacct  | actgcataag  | ttgctttctc | actaccgcc   | ctgatatacga | ctccatgatt  | 2952360 |
| agtcatacaag | gcaggacgca  | acaattcgtc | ataccagtcg  | gtatcggtc   | caaagtgtcaa | 2952420 |
| cgaatcataa  | tcgcctccaa  | acttttcgat | agatgctttt  | accaacggct  | cgtaagcttc  | 2952480 |
| acggttggct  | tccagcagca  | aagtagcgta | ctcatgtgaa  | ttagccatat  | caagcacatt  | 2952540 |
| ggtcgcagtc  | tgtacgccta  | cataaccatt | atatgtaatt  | cgcgctttcg  | tattacgttt  | 2952600 |
| acctttcttg  | gtagtaataa  | tcacgactcc | atttgccgca  | cgcacaccat  | agatagcagc  | 2952660 |
| agccgacgca  | tctttcaata  | cagagatttc | ctgaatatcg  | gaattattca  | aaaagttaat  | 2952720 |
| gttatcgtag  | aacatgccgt  | ctactacata | aagcggagaa  | gtgtcgccaa  | atgatcctaa  | 2952780 |
| accacgaatg  | gtaaccttag  | gtccgcttcc | cggagtacct  | gatgaaacga  | cattcatgcc  | 2952840 |
| aggaaccttt  | ccctgcaaag  | ccgacatcgg | agaagtagta  | gcctgagaag  | caatctggct  | 2952900 |
| actctttaca  | acagaaatag  | gagctgtcaa | atctttcgtc  | ttactggtac  | cataaccaat  | 2952960 |
| aacaacgaca  | tcttccagtt  | ttgtacatc  | gtccgagagt  | tcgacattga  | tggttttctt  | 2953020 |
| tccatcaatt  | tttacctcaa  | cggttttcat | accaataaag  | ctgaacacca  | aagttccatc  | 2953080 |
| tgccggaaca  | ttttcgagaa  | gatacttacc | atctatatca  | cagatggtac  | cgagcgttgt  | 2953140 |
| gcctttcact  | aaaatattag  | caccaattac | aggttcttta  | aagttagcgt  | ctgttacgac  | 2953200 |
| accttgaacc  | gttactgtcc  | gctgtgcata | agctgtagcg  | acgaacagta  | atgacatcag  | 2953260 |
| aatgaatact  | aattgttttt  | tcatgaattg | attaaagtta  | tgattcaaaa  | acggggcaaa  | 2953320 |
| ggtgtatata  | aacttaacaa  | cccacaaaaa | aagtgtatag  | acgttactac  | ttcgagcgca  | 2953380 |
| ttcagcacta  | cttttttact  | actttttcaa | ctatatTTTT  | attcattatc  | agtaaattag  | 2953440 |
| cacatcactt  | caattcgata  | agaaaatcga | caagactcac  | gccgtcggga  | acttccattc  | 2953500 |
| gctttctgat  | gcgataccgc  | gctgcctcta | cgccccgaat  | tgtcagattc  | atcatctgtg  | 2953560 |
| caatatcctt  | agtggaaaga  | ttcaagcgaa | gaaaggcaca  | aaagcgtaaa  | tcggttgccg  | 2953620 |
| tcagattagg  | ataacgctca  | cgcaatgtac | ggaaaaagcg  | ctgatgaatc  | aggtcgaagt  | 2953680 |
| tctgttgaaa  | aacttcccaa  | gaatcctctt | ccgcaatatt  | ttcgtttatc  | tgtttcaaga  | 2953740 |
| ccaattccat  | atttttacgc  | ccgcattgcg | attttagccag | ctgttcctgg  | acgacagaac  | 2953800 |
| gtaatttttc  | cagcatttcc  | tgcttggaac | acgttcccaa  | tgccatgctg  | gccaattctt  | 2953860 |
| ttccttttaa  | aaccagttct  | gcctccagca | gttgtttctg  | ctgctcggta  | atcagacgtt  | 2953920 |
| gctgctcact  | cagttaata   | ttctgtctta | tcttatgcgc  | ttcatattct  | tttctttttt  | 2953980 |
| tctctgcaac  | tgtttttctt  | ctccatcgag | ccactccata  | aaccagtccg  | gccagcaaca  | 2954040 |
| acacatacag  | caacagcatc  | ggataagaca | tccacaaagg  | tttactgatg  | acaaactcat  | 2954100 |
| attttgtttc  | atccagcaac  | cgtccatcat | cactatacac  | tccggcccat  | aaagtatacg  | 2954160 |
| aaccaaattc  | aagacttcca  | aaatgaacag | atgggaatgt  | actttcttcc  | gataattgct  | 2954220 |
| gacgaccgga  | ttgaagcttg  | aacttaaaac | gaatggctgg  | ctggtcataa  | cacggataag  | 2954280 |
| aaagcaaaaac | tgaaatatca  | cgatagtcac | ttgtacaac   | aacttctcgt  | gacacatcca  | 2954340 |
| gagcaagctc  | ctctcctgaa  | gaagaagagg | caacaatcct  | ccgtatcttc  | aaccccgaca  | 2954400 |
| agctgcgatg  | ccctatatat  | tgctcatcca | gctgcagaca  | ggctatacta  | ttattcagat  | 2954460 |
| tcaagtagca  | attattttccg | tctacataaa | tcttgttatt  | cccttccacg  | caaggagaat  | 2954520 |
| taaacgtttc  | gaccggaata  | cgacgcttga | tcacaaactt  | tccgtcgtga  | taggccaaca  | 2954580 |
| gtacatatc   | gtgtgaattt  | atcagccaga | gcatttcgtt  | attgtgtaca  | tccaccgccg  | 2954640 |
| tatgcgcac   | catcagaaaa  | ggcacagcaa | cattcaactg  | ctggttaaggc | ttaattttac  | 2954700 |
| gttcaatatc  | gtcatacata  | aaatatcctt | cggcactgga  | gaaaacaata  | cgccctctga  | 2954760 |
| ttttcataac  | atgtatctta  | cccgatgtct | tctttctctc  | aagcgtatga  | atatgttcta  | 2954820 |
| tctcctttat  | acgatataaa  | tcacgtcca  | gcttgatgcg  | ataaagcccg  | ttatacatgt  | 2954880 |
| gcgaagccca  | gatcactcct  | gttccgtcta | cctccagcga  | tttgatgggc  | gcataaaaagt | 2954940 |
| cctttacgct  | atgcgacaga  | taccagatac | cgtctttctt  | tttccatata  | cgcaattccg  | 2955000 |
| catacgaagc  | ctccaccagc  | acatcctgcc | cgttgatgga  | agcctttacg  | atacaagtac  | 2955060 |
| tgttcaaagt  | tcccgaaca   | gcctgtatga | taccgttttt  | accgatgagc  | atagtagaag  | 2955120 |
| catcattccc  | gataaatatc  | tgcgaatcaa | tttgctttac  | ataccagttt  | tgccctgccg  | 2955180 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgtggggttaa | caaccggatt  | tcacttgtat  | gctgattata  | ttcataggcc  | ccctgattgg  | 2955240 |
| ttgccagata  | aatttttctca | cctatttcttt | ccaccccata  | caccatacct  | atgctcaagt  | 2955300 |
| cctttactga  | aggagtaagc  | agcgtaaccg  | atgtattgggt | atggataaaa  | gagattccat  | 2955360 |
| cgtccagagc  | agcccataaa  | ttgttttcat  | tatcgcaaaa  | cagccccata  | acggaattgt  | 2955420 |
| tatttagttg  | gttgtcacga  | ctgagatgcc  | agagcagaca  | cccgctttta  | ttcaatccat  | 2955480 |
| aaataccatc  | caggatagta  | ccgactacca  | gaatagaatc  | tcctaccata  | acggcacggt  | 2955540 |
| taccctttgc  | ccagcttagt  | tgtttgtcga  | tatctgtatg  | caaagccgaa  | actgttccat  | 2955600 |
| tccgataggt  | aaacaggcca  | tgggtctacg  | taagcaatac  | cataccatct  | tttccgtccg  | 2955660 |
| gcaagaccga  | tacaacatta  | tcatcgcta   | ccgccttccg  | gtccaataga  | gaatgaaacc  | 2955720 |
| ggttcccgtc  | gaattcatag  | aaaccaccgt  | caatcatctg  | agcatagatg  | cgttgatggc  | 2955780 |
| aagcataaaa  | atacaatgga  | cggaaatcgg  | cttcacgact  | catgcaagtg  | acctccttcc  | 2955840 |
| catcgaaagc  | ataccagcgg  | gtaaacgact  | ggaaataaat  | tttcccttcc  | aaccgtacaa  | 2955900 |
| tgtgccatat  | ctcatcattg  | ggagcaacct  | gattcttcac  | ctttgcactc  | aaagagtgat  | 2955960 |
| attccattcc  | tcccgttaca  | ttgcgagtaa  | aataaccgaa  | ctcttcgaat  | gaaccgatat  | 2956020 |
| agattttatc  | tttgtcgaca  | aataccgaac  | ggacaatata  | tcctcccgggt | actttatgaa  | 2956080 |
| gttcccacga  | gaagccatcg  | tacacaagca  | gtccgttgtt  | gtttccaaaa  | tacatcacc   | 2956140 |
| catcatcccc  | ttgcgcacat  | gcccatttct  | gatgagctcc  | ctggtaatct  | tttaccgtat  | 2956200 |
| aatttgtaat  | ggcagggata  | aaatcagctc  | cccaagccgg  | aactgtacat  | aagaataaaa  | 2956260 |
| caacctgaaa  | tattttcaag  | agtatcagtt  | tcattggaat  | tttcataaaa  | ttatacacia  | 2956320 |
| agatacacga  | ttttctgcc   | aatccggtta  | catccggctg  | atagatttgc  | aggcaaagca  | 2956380 |
| aaagtcattc  | atagccattt  | ttgctacaga  | tgacttcctc  | gataaaaatt  | tatcccaatc  | 2956440 |
| ttcttacctc  | tacttgcaat  | gtataatctc  | cgagcgctgg  | gctactccat  | tctcattaaa  | 2956500 |
| cgcttcgaca  | cagaagtagt  | aatcctgcgt  | ggttgtcagc  | gaacgcatga  | aaagttcatt  | 2956560 |
| ggcatcatat  | accatccacg  | aactgtacaa  | cttgtcggga  | gcgattcccc  | ataatacgtt  | 2956620 |
| atatccttgt  | gcaccctgaa  | caggtttcca  | actgatggcc  | acatctctac  | gatctgtctg  | 2956680 |
| gcggaccaac  | ttcagtcctt  | ctaccttccg  | gggaactttc  | cccgttcctt  | tcccgaatag  | 2956740 |
| acgtaactcg  | gatatagcca  | gatgaggtgt  | aggaacatgt  | acattacggt  | aacgcacata  | 2956800 |
| tctgacttta  | ccgggggtgag | ccagttctac  | atagtcattt  | ggagtatcct  | tataactccg  | 2956860 |
| acggcgatct  | accagcactt  | gccatgtctt  | tccgtccaat  | gaaccttcca  | cataataacg  | 2956920 |
| atgatacaag  | ccatcataac  | gtccatacat  | attactctga  | taatcatggt  | agtttatctg  | 2956980 |
| tacggcacag  | acttcagctt  | ctttctgtaa  | gtcaatcatc  | accactgct   | tgatcatcatt | 2957040 |
| ggcctcagca  | agccagaaa   | actttgtctg  | ttcgtcagtc  | aggccttcag  | gaccatactc  | 2957100 |
| cccaacctgc  | gatgatgctg  | taaccggctt  | cttataagag  | agcaacatcc  | atccgcggaa  | 2957160 |
| ctctcctttt  | ttccccggaa  | cagccggagc  | ataatgagga  | taatctccaa  | aacgagtatc  | 2957220 |
| acaaaacata  | atgccatcct  | tgtcgaatcc  | catcggaac   | atacaaagtc  | tacgctccca  | 2957280 |
| gttcacattg  | atagacaatg  | acatggacgc  | aaaatgccag  | tatgtactat  | ccggacctaa  | 2957340 |
| tacactgctt  | ccatggccgg  | caccgttcat  | gaagcctccc  | ggcttataag  | atacaggatt  | 2957400 |
| atgcttctgg  | taagtataag  | gccccatcgg  | attatctgcc  | acataatacc  | cgtcgccata  | 2957460 |
| aacattgaat  | tcggttccgg  | gagaggcata  | ttgcatatag  | tacttcccgt  | tgtgcttagt  | 2957520 |
| cagccaggga  | ccttcaataa  | atccgcctaa  | atcagaatca  | cttacatgat  | tctctccaaa  | 2957580 |
| tctttcccag  | ccatgctgtt  | ccagatcaag  | tccgaaaagt  | tcttttttct  | ctcccttcgg  | 2957640 |
| aagaaaacga  | tgattacggt  | ccagttctat  | gccccggatg  | ggatatacat  | tcgacgatcc  | 2957700 |
| ccagaacata  | tacgcctttc  | catcgtcgtc  | gatgaacaaa  | tccggatcct  | gcaaatacgtg | 2957760 |
| caaaaatagca | ggaacgccct  | tccagtcacc  | ttttttcggga | ttgtcgggtat | aaagaacact  | 2957820 |
| catcgaaccc  | gacgggtcgc  | cacacacata  | aagcagcgaa  | tctttatagt  | tatgtgcagc  | 2957880 |
| aggagcattg  | catccctgag  | gataccagtt  | ggacgggaacc | ggaatgaaat  | cccagttctg  | 2957940 |
| caagtccgtc  | gaatgccagt  | aacctatgca  | acgggttaca  | aacatataat  | attcaccacg  | 2958000 |
| aaattcaact  | acagcaggat  | cagctcccga  | acgggtatgaa | atataccttgt | ccgaattata  | 2958060 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
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| agctttaagc  | ggtgcagcca | atactacaca  | agacagaggt  | aacaaaaagg  | tttttagttt  | 2958180 |
| catagtcatt  | taaattatga | agccaaatgt  | aggaactttt  | ccaagtgttc  | cgattattgg  | 2958240 |
| ccgctactac  | aagaatacgt | ttctataata  | tccggactac  | cgttttgcta  | cgtttttagat | 2958300 |
| aaataactat  | ttgtatacga | acatcttata  | ctattaaatc  | acccttcact  | attttcttta  | 2958360 |
| cttcctacct  | tttcacacct | gcacggactg  | cctgtttatt  | gtaattccat  | caacatttac  | 2958420 |
| cttatgttta  | taggtacgac | aggaatctcc  | gtgacacata  | atccgcgcag  | tccgtcccac  | 2958480 |
| cggaaagttc  | gcccggccgg | gaacagcccc  | cacaagacat  | cagccatact  | acggacattg  | 2958540 |
| cttcttaatt  | acctcttcat | gccgctttta  | gtctgtgggt  | tagtcctgtc  | tatcatcata  | 2958600 |
| aatgagatga  | aaatatcgtc | catttacaga  | tgcagtaatt  | attaagtttt  | aggacaattg  | 2958660 |
| ttgcattttt  | attgcgcggt | ttttctgaaa  | aatcgtaact  | ttgcgacata  | tattcggata  | 2958720 |
| tatgtgtatg  | aaagatacga | aacagcaatt  | tgaacatgta  | atagcaatct  | gtcgggattt  | 2958780 |
| gtttgccaaa  | aagttgcacg | attatgggtc  | tgcattggcg  | atcatgcgtc  | cttcatcggg  | 2958840 |
| taccgaccag  | atatttatca | aagccaaccg  | catccggagt  | attgaaataa  | aagggtgttg  | 2958900 |
| cctggtcaac  | gaaggcatac | gcccggagtt  | tattgctatc  | gtaaactacg  | gcatcatcgg  | 2958960 |
| attgattcaa  | ctggaactgg | gatatgccga  | gaccgacgac  | atgaccgaac  | agcaggcact  | 2959020 |
| cgacttgtac  | gacaaatatg | ccaaagctgc  | gctggaactg  | atgctggcaa  | agaaccatga  | 2959080 |
| ttacgacgag  | gcatggagaa | gcatgcgtat  | cacctcgtag  | accgacctga  | ttttgatgaa  | 2959140 |
| gatctaccgt  | accaagcaaa | tagaagcgct  | gagcggcaat  | actttggtat  | ctgaaggcat  | 2959200 |
| agatgccaac  | tacatggaca | tgatcaatta  | ttcgggtattt | gctttaatta  | aactggaatt  | 2959260 |
| tggagaataa  | aaatttacat | agagctatct  | tcgtatgggt  | aagcatctgt  | cgttttctgc  | 2959320 |
| tggcagggtg  | ttttatcttt | tccggattta  | taaaagccaa  | tgacccgtag  | ggaacagcat  | 2959380 |
| acaagataca  | agactacctg | gaagcctggg  | gactctcaca  | aatgttgccc  | gatgtgtttc  | 2959440 |
| cttatctggg  | tgcatgggtc | atgggtgtat  | tcgagtttgc  | ccttggtattt | tatatgctgt  | 2959500 |
| ttggtataca  | ccgcaggata | gcccctaccc  | tgatgctcat  | tgtgatgtct  | ttcatgactc  | 2959560 |
| ccctgacact  | gtggcttgcc | atctccaatc  | cgattttctga | ctgcggatgc  | ttcggcgatg  | 2959620 |
| ccgtagtact  | gaccaactgg | cagacctttg  | gaaaaaacat  | tgtattgctc  | attgcagcca  | 2959680 |
| ttaccgtatt  | caaatggaga | aagacaggca  | tagtcaaact  | cgtcagcgag  | aaagtggact  | 2959740 |
| ggctggtagc  | tctttatgga | gttgatttca  | ttattctcta  | tactttatac  | tgtatacggg  | 2959800 |
| aacttccggg  | attcgacttc | cgtccttacc  | acatcggggc  | agatatacgt  | aaaggcatgg  | 2959860 |
| agataccgga  | aggggaaaaa | cccacaacct  | acgaaacgac  | tttcatctat  | gccaaaaatg  | 2959920 |
| gagtagaaaa  | ggaatttacc | atcgataaatt | tcccttccga  | ctctacatgg  | acgttcgctc  | 2959980 |
| attctaaaac  | ccgtatcaaa | gaaaaagggt  | atgagccgcc  | tattcacgat  | ttctccatca  | 2960040 |
| tctcgcaaga  | agacggaaca | gacctgacag  | atacagtact  | agacgacgaa  | aattatacgt  | 2960100 |
| tcctgctggt  | agctccttat | ctgaaaaagg  | cagacgacag  | cggcattgac  | ctgataaacg  | 2960160 |
| aagtatatga  | ctacagtgtg | gaacacggat  | accgcttctt  | ctgcctgaca  | gcttcgccag  | 2960220 |
| atgaggacat  | tgctatctgg | caagacaaca  | caggtgccga  | atatccgttt  | gccctgacag  | 2960280 |
| acgaaattac  | cctgaaaaca | attatccggt  | ccaatccggg  | gctggtactg  | ctgaagaaag  | 2960340 |
| gagtcgtcat  | caacaaatgg | agcaacaacc  | aactgccaga  | cgaatatgag  | ctgaatgctc  | 2960400 |
| cgctggacaa  | actttccatc | ggaacactga  | accagaaaac  | cgtcagccat  | aaactggcag  | 2960460 |
| aagtactggg  | atggttttgc | ggtccgttgc  | tgttccttac  | cctatgcgat  | ctggcatggc  | 2960520 |
| tgaaatggca  | taaacggaaa | aagaaaaaag  | aagaagaaca  | aacagaaaac  | taaatagtat  | 2960580 |
| acaaaccctt  | taaattttta | acaaaatgag  | aaaaaacatt  | gtagcaggta  | actggaaaat  | 2960640 |
| gaacaagaac  | ctgcaagaag | gtatcgcttt  | ggctaaagaa  | ttgaacgaag  | tattgacagc  | 2960700 |
| agataaacct  | cactgcgacg | ttatcatctg  | tactccgttt  | attcacctgg  | cttctgtaac  | 2960760 |
| tccgatcgtt  | gacaaaaaca | ttatcgggtg  | aggtgcagaa  | aactgcgcag  | acaaagcatc  | 2960820 |
| tgggtgcttat | acaggtgaag | tttcagcaga  | aatggttgct  | tcaactggtg  | ctcagtagct  | 2960880 |
| tatcctgggt  | cactcagaac | gtcgtgctta  | ctaccacgaa  | actgttgaaa  | tcctggcaga  | 2960940 |



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| aaaagttaaa | ttggcttttg  | ctaacaacct  | gaaacctatc  | ttctgtatcg  | gtgaagttct  | 2961000 |
| ggaagaacgt | gaagctaaca  | aacagaacga  | agttgtagaa  | gctcagctgg  | cttctgtatt  | 2961060 |
| ctctctgtca | gcagaagact  | tcagcaagat  | catcctggct  | tacgaaccgg  | tatgggctat  | 2961120 |
| cggtacaggt | aagactgcta  | ctcctgtctca | agctcaggaa  | atccacgctc  | acatccgttc  | 2961180 |
| tttggttgct | gctaaatacg  | gcaaggaagt  | tgctgaaaac  | acttctatcc  | tgtacggtgg  | 2961240 |
| tagctgcaag | ccgaccaacg  | caaaaagaact | gtttgctaata | cctgacgtag  | atggtgggtt  | 2961300 |
| gattggtgga | gctgctttga  | aagctgccga  | cttcaaaggt  | atcatcgatg  | cttttaata   | 2961360 |
| attaagcgaa | ctatatcatt  | tttcacggaa  | gaaggagttg  | ttctttctcc  | tcttccgtga  | 2961420 |
| ttattcaaac | tcattttttc  | acatatccgg  | tatgatgaag  | tattttattca | cccttttatt  | 2961480 |
| cctgcttacg | gcaagtattg  | caagcgcaca  | gcggaccatc  | atagaaagcc  | tgcaaaccga  | 2961540 |
| acgtccggga | gaaggtattg  | tcaatataca  | tcaggacgct  | tacgttgctt  | cactaatagg  | 2961600 |
| attacgctat | gtaaacaatg  | ccgcaacttc  | caacaagaca  | ctgaaagcaa  | gaggttttcg  | 2961660 |
| tggtcaggta | tatgcaggaa  | acaattcgag  | agtggcacgg  | aacgaagcaa  | cagccgttgc  | 2961720 |
| caataaagtg | aaacaagaat  | ttcccgatat  | gccggtatat  | acttatttcc  | aacctccccg  | 2961780 |
| ctggctgtgc | cgtataggcg  | atttcaaaag  | catagaagaa  | gcacacgtag  | ctatgcgcaa  | 2961840 |
| gctgaaagag | agcggcggaat | ttaaagaagt  | ggcaatcgta  | cgcgaacaaa  | ttaatataacc | 2961900 |
| cattgaataa | tgattgatac  | gaacttgatg  | cactttccgg  | aagagaaagt  | gcagaaactg  | 2961960 |
| atgtcgcact | acaaggaaat  | actttccctg  | ctgggagaag  | accccgaacg  | tgaaggtttg  | 2962020 |
| ctgaaaactc | cgaacgtgt   | ggcaaaggcc  | atgctgacac  | tgacacgtgg  | ctacgaagta  | 2962080 |
| gaccctaaag | aagtactgct  | gggggctaag  | tttaaggaag  | aatacagcca  | gatggttatc  | 2962140 |
| gtaaaggata | ttgatttctt  | ttccatgtgc  | gaacaccaca  | tgctgccttt  | ctatggcaaa  | 2962200 |
| gcgcatgtag | cttatatccc  | taacggctat  | attaccggat  | tgagcaagat  | agcacgggtg  | 2962260 |
| gtcgatatat | tttcacaccg  | ccttcagggtg | caggaacgca  | tgacgctcca  | aatcaaggaa  | 2962320 |
| tgcatacagg | aaacgctgaa  | tccattagga  | gtaatggtcg  | ttgtagaagc  | caagcacatg  | 2962380 |
| tgtatgcaga | tgagaggagt  | ggaaaaacag  | aactccgtaa  | ctaccacctc  | cgattttacc  | 2962440 |
| ggagccttca | accgagcaaa  | gactcgtgaa  | gaatttatga  | acctgattcg  | caggtaaaac  | 2962500 |
| tatccagaaa | tccggtacta  | gaaaatgatt  | taagtcaagt  | ctccgcgtgt  | aaaaaagtcg  | 2962560 |
| taactttgca | cgcggttttt  | ttttatcatc  | tagtggaaaca | ggcaattcaa  | cagactaaca  | 2962620 |
| ttcggaagg  | attaaccaa   | ctggttattc  | ctatttttat  | agaaacgtta  | ttgattatga  | 2962680 |
| tgctgggctc | agtggatacc  | atcatgctga  | gccagtatct  | ggacgaaagt  | gtggctgccg  | 2962740 |
| taggtgtagt | caatcagata  | gtcatgtttg  | ctttcctcgt  | attcgaagtc  | atcaacatcg  | 2962800 |
| gaacttccgt | gctctgctcg  | caatacctcg  | gagcaaaaat  | gcataagaac  | atggtacagg  | 2962860 |
| tggtaggagt | cgccttgctc  | ctgaacctcg  | tagtaggact  | tgttatcagt  | gcaattcttc  | 2962920 |
| atttcggggc | tactacattg  | ttaggatgga  | tggggcttcg  | tcctgaattg  | ttgaaatacg  | 2962980 |
| gtatcggata | tatggagatt  | gtaggtgcct  | ttgctttctt  | tcaggctata  | tactgacta   | 2963040 |
| tatccgcttc | attgcgtagt  | gccaacaagg  | ccattttacc  | catgctggtc  | accgtactgg  | 2963100 |
| tgaatatcat | gaacattatc  | ggaaactact  | cgttgatttt  | cggtaagttc  | ggcatgcctg  | 2963160 |
| ccatgggagc | cgaagggtgct | gccatatcta  | cttccatagc  | acgaggagta  | agcatgatcg  | 2963220 |
| tgctgttcgt | catcttgctc  | cgcaagcata  | ttccgaaatt  | cccgtgggt   | tatttccgtc  | 2963280 |
| ccttcccctg | gattgagttg  | aaaaacctgt  | tgaaagtggg  | actcccctct  | gccggcgaaa  | 2963340 |
| atctctcgta | cagtttctct  | caggtagtca  | tcacttactt  | catcaatatc  | ctgggaaaca  | 2963400 |
| acgcactggc | aacacgtacc  | tattctgtga  | acatcgtcat  | gtttgtatac  | ctgttcgcca  | 2963460 |
| tcgccatggc | acaaggaggc  | gccatcagta  | tcggacacct  | ggtagggcaa  | aagaaaatac  | 2963520 |
| gtgcagccta | tctgttaggg  | aaatatgtca  | tgcgactgtc  | catcctggta  | tcacttgtcc  | 2963580 |
| tttcgtgtat | ctgggcagca  | ggcggacact  | tcattttcag  | ccttctgaca  | gacaatcagg  | 2963640 |
| agataatccg | tatgggagtc  | actatcatga  | tcatcgatgt  | agtggtggaa  | ataggacgtg  | 2963700 |
| ccgtaaacad | ctacgccacc  | aatgcactcc  | gttcggcagg  | cgacgtaaac  | tatccgttct  | 2963760 |
| atgtgggact | tatcgtacaa  | tggagcgttt  | cggtaggttt  | cagctatctt  | ttaggaatcc  | 2963820 |

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| actggggatg  | gggacttccc | ggtatgtggt  | gtgcttttct  | gctggatgag  | aacatacgcg  | 2963880 |
| ccatcatatt  | cgtcaagcgc | tggaacagcc  | tgaatgggc   | aaagaaagga  | tttgtaaagt  | 2963940 |
| aattacatat  | ttcctattcc | cacgtaaaac  | cagagaatgc  | agatcaggtc  | gatgacaagc  | 2964000 |
| gctgtcaccg  | accattttac | aaactgctta  | tctttcttca  | cggccccgta  | gatgattccg  | 2964060 |
| atgacggcag  | aaattaatat | gcctgccgct  | actccaaaga  | taccttgtac  | ggcaagccct  | 2964120 |
| acaaggatca  | gaatagccat | ggtgaccaga  | atattgtttt  | tcataagtac  | cgtattaaaa  | 2964180 |
| tgtaaaaccc  | gattacatac | tagccttaaa  | agccttaatc  | accgccgaag  | taaattccatc | 2964240 |
| gtgttccaat  | gaattgactc | ccttaatggt  | aacacctccc  | ggagtcgtaa  | ctttctctat  | 2964300 |
| ctcgattgcc  | ggatgcgagt | tttcatcgct  | caacaacaaa  | cgggctgcac  | cgtccagtg   | 2964360 |
| ctgtgccacc  | atcttcttgg | cttctcccgg  | acgaagaccg  | gcttctaccc  | cagcctgcat  | 2964420 |
| ggcagcctgt  | acatatttca | ttacataggc  | tatgccacac  | gaagcgagtg  | acgtggcagc  | 2964480 |
| agcaaactgt  | ttttcttcga | taagcatggc  | aagtcccatt  | tcattaaaga  | cgttcaacac  | 2964540 |
| tttctgtgtc  | tgctcgtcag | ttgcatttct  | acaggcaatc  | agcgtcatgc  | tagcaccttt  | 2964600 |
| ggcaatggcc  | gtattcggaa | tcacacggaa  | aatagtcatt  | tccggatcaa  | caaatgtgc   | 2964660 |
| cagatttctg  | aacgtcagtc | cggctgctac  | cgaaatcagt  | atctgtggct  | ggcgaagacg  | 2964720 |
| caacggctta  | agtacttctt | ctaccttcca  | cggcttgaca  | gctacaacaa  | caacatctgc  | 2964780 |
| atcgggccgca | tctttgttgt | tggtcgaggt  | atgaatatcg  | ggaaactcag  | ccttcaactt  | 2964840 |
| atccagtttt  | gccgtactag | gattggtaac  | tattatttca  | cttgccctga  | cataatgtcc  | 2964900 |
| ttgtgccagc  | ccacgcgcaa | tagctccgcc  | catgttgccg  | gctcctataa  | ttgctacttt  | 2964960 |
| catattacac  | cttaatcggt | ttattactat  | cttatttcaa  | tggctgtgac  | agctcttcca  | 2965020 |
| gcgactttcc  | ttcatagtca | cacacagcct  | gcttgaagtc  | ggcaggaagt  | tccacgggtt  | 2965080 |
| cctttgttgc  | tacatcgtag | cccaccatga  | ccgtacgaca  | ctgacacttc  | aacacaccgc  | 2965140 |
| tcgccttggt  | gatagcccg  | tgaagcaagg  | taaagctctt  | atgtcccaga  | tgtatgacag  | 2965200 |
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| cgacatcggt  | gaagcgaatc | tgtacaggca  | acgtatgcct  | gaatttcata  | tcattctgcca | 2965440 |
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| gaagaaatgg  | ccaaactctt | cgacctggaa  | aagagcggat  | atcttctacac | ccgtttgcag  | 2965740 |
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| ttgattgtag  | ataatacatt | tgctactcct  | atcaactgcc  | gcccgtttga  | atggggagcc  | 2966160 |
| gacatcgtaa  | cacattctac | caccaaatat  | atggacggac  | atgcaacttg  | tgtaggtggt  | 2966220 |
| gccatagtgg  | acagcggcaa | cttcgactgg  | gaagcacatg  | ccgacaaatt  | cccgggactg  | 2966280 |
| actcagccgg  | atgcttctta | ccacggactg  | acttatacca  | aggcttttcg  | caagatggct  | 2966340 |
| tatatgacca  | aagcaaccgc | acagctgatg  | cgtgaccttg  | gttccataca  | gtcgcccgaa  | 2966400 |
| aatgccttcc  | tgctgaatct | gggactggaa  | acattgcacc  | tgcgtgtagc  | acgtcactgt  | 2966460 |
| gagaacgcac  | agaaggtggc | cgaatggctg  | gaagcaaacc  | cgaaggtaaa  | atgggtaaac  | 2966520 |
| tactgtggac  | tgaagagcag | caaataattat | gaactggctc  | agaaatatat  | gccgaacggc  | 2966580 |
| tcttgcggtg  | tcattgcctt | cggactgaaa  | ggtaccgcg   | aagatgccat  | caaatttatg  | 2966640 |
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| gctcccgact  | tgatccgtct | gtcggtaggt  | atcgaaaatg  | tagacgatat  | cattgccgat  | 2966820 |
| ctgaatcagg  | ctatgcagta | catctgatca  | agctcctgta  | gccactaaca  | ggcgatacaa  | 2966880 |
| taaaagatct  | ccccgacaag | ctacaggaat  | aactagaata  | tctaaaagga  | tcgtatcaag  | 2966940 |
| gctctattgt  | gagaattgat | acgattcttt  | tttgtttcca  | acccataggc  | ggaaactgga  | 2967000 |
| gaaaacgtcg  | agacgttttt | atgaaatttg  | tacaaattct  | gaaatgtttt  | gtacaaaaac  | 2967060 |
| aaaagacaat  | ctcttcttta | tcctttcttt  | ccagcacatc  | cttaaaaaca  | actttccagg  | 2967120 |
| caaaatcatc  | gccaggcttt | tcaggatttc  | cagaacgaaa  | agttgcgaga  | taaacttcct  | 2967180 |
| tttactacat  | tcgcccgtaa | atcattttatt | ttcattgctt  | atgacaactc  | ccaaagactg  | 2967240 |
| gtatactttg  | cgaataaccg | aaacgacaaa  | ggaactaact  | cacataaaaa  | aacgtattct  | 2967300 |
| gcacatcagc  | ttgttgcgta | ttgccttttt  | cctggctgga  | atagcaggca  | ttattctggt  | 2967360 |
| ctttcatgcc  | ggaacctggg | ctctgatcgg  | cacagtatgc  | tgcacctttc  | tcctttttct  | 2967420 |
| gatcctgatc  | aaactacata | accggttctt  | cgcacgaaag  | gaatggctgg  | aaactcaggc  | 2967480 |
| acaaattaac  | cgtgaggagc | tgaaggggct  | ggatggggat  | ttctccgact  | tcgatgaagg  | 2967540 |
| caaagaattt  | gccaatccgg | aacatcctta  | ttcattcgac  | cttgatttgt  | tcggccgacg  | 2967600 |
| ttcgcttttt  | caagccatga | accgcacttg  | tacgcacatc  | gggaaacaaa  | cgcttgcacg  | 2967660 |
| atggatgcag  | gagcatctga | caaaaaagga  | aggaatagaa  | ctccgccagc  | aggcagtaaa  | 2967720 |
| ggatatgagt  | gcaagaaatg | aatttcggga  | acagtttcgg  | gttacgggac  | tggtaacca   | 2967780 |
| cggaaagaca  | tccgacgaag | aggaaatacg  | ccagtggagt  | gaaagttcct  | ccgagctgct  | 2967840 |
| gcatgctacg  | tgggtaaaac | tttcgttacg  | gggagttccg  | cttgtcaatg  | tattgttact  | 2967900 |
| cgtaggcggg  | ctgaccggta | tttgttcgct  | gaactggttc  | gggctgatgt  | tcattgctgtt | 2967960 |
| catcatcacc  | agctttgcc  | tcgtaaaaaa  | agcgaccttg  | gtacaacaga  | cgtatggcga  | 2968020 |
| aaaactgaaa  | accttgaaca | gttatgctaa  | gttgattgctg | cttactcacc  | agcagacatg  | 2968080 |
| ggaagcttcc  | gaattgcaac | aactgatgaa  | tcggttgaat  | attgacggtc  | attcgcccgc  | 2968140 |
| tgaagctttg  | atgcaactat | ccaaagaact  | cgacctctg   | gacctgcgga  | acaaccagtt  | 2968200 |
| gctttatgtc  | gtgctggaag | gaagtatctt  | cttccaactg  | cgacagatag  | tccgtatcga  | 2968260 |
| acggttgaaa  | gaacgttacg | gacatcatct  | gatgaaatgg  | ctggaagctg  | tgggcgaact  | 2968320 |
| ggatgcgctt  | tgttcactgg | gaacctttgc  | ttacaaccat  | ccggattaca  | cttatccttc  | 2968380 |
| catctcagac  | cagccttttc | agttcattgc  | acgtgctatg  | ggacatcctc  | tgatgcctgc  | 2968440 |
| cgaacaatgt  | atcaagaacg | atgcaacaat  | cccgctcacg  | cccttctttt  | tgattattac  | 2968500 |
| agggggcaaac | atggcgggca | aaagtacgta  | tctgagaacg  | attgggggtca | actatctgct  | 2968560 |
| ggcttgatc   | ggctgtccgg | tttgctgcga  | acaactcaca  | ctgtatccgg  | cgcaactgat  | 2968620 |
| caccagtctg  | cgcacctccg | actcacttac  | ggataatgaa  | tcgtatttct  | ttgctgagct  | 2968680 |
| caagcggctg  | aaacatatca | tcgatttact  | gaatgagga   | aaagagctgt  | tcattattct  | 2968740 |
| ggacgagata  | ttgaaaggta | ccaactcgtc  | cgacaaacag  | aaaggttcgc  | tcgacctgat  | 2968800 |
| ccggcagttc  | atgcacctaa | agaccaatgg  | aattattgca  | acgcacgatt  | tgctcttagg  | 2968860 |
| tacactggct  | gatcaattcc | ccggccaaat  | ccgcaattat  | tgtttcgaag  | cagatattaa  | 2968920 |
| agataatgaa  | ctgagcttct | cttacaagct  | acgggagggga | gtagcacaaa  | acatgaatgc  | 2968980 |
| ctgctttctg  | atgaaaaaaa | tgggaattac  | tatacaagag  | gaatgaaatc  | tgtttgtgaa  | 2969040 |
| gggcgtgaag  | ggcaaaaaca | ggtgattttt  | ttctatacaa  | ggctcgagaa  | catactcatg  | 2969100 |
| cacagcttca  | gcaaaaaggt | tcataaaagt  | ataccgcaaa  | tgactactta  | ctccaactga  | 2969160 |
| agataccaca  | aagtacaagt | attctgtagc  | cgtattatct  | gaccggtaca  | accaggccaa  | 2969220 |
| tgaatagctg  | caacgtaaaa | caatatacat  | tcatagggat  | attcagtaaa  | tgtcccaaaa  | 2969280 |
| ataagatggc  | atatgaaatg | attatggtct  | atcatcttca  | tatgccattt  | tttattgtca  | 2969340 |
| tttttccatg  | tattctcaca | taattctatc  | cgtcaggaca  | tgacacttct  | gaagaagcca  | 2969400 |
| gatgacctct  | tccgattccg | tcagtaaaat  | catatcatgc  | cgctttaacc  | gtcctgttcc  | 2969460 |
| tgatcttgtc  | aatcatcagt | acggcatttg  | ccgtatgtat  | tccgaagaaa  | atccatagga  | 2969520 |
| tttccgtcct  | cctgttccgt | gcctttacc   | tggagagcga  | gtaatgctgc  | ttctgtgtgc  | 2969580 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| cgaaactgcc | ttcaagccgg | gtgccccttt  | ctttggagag  | ttcacttctg  | agaaccttcc  | 2969640 |
| tcaaggattc | atccctggcc | gcccttccct  | tgcgtacgaa  | ggacgtggag  | attccgtatt  | 2969700 |
| tcgtgcagaa | cttcctgttg | gcgttattgg  | catatatgga  | atcggctgcc  | acgcatctta  | 2969760 |
| cccttacgtt | catgagtttc | tgctgcatgc  | gaatgcagtc  | cttcaggcgt  | atcccctcgt  | 2969820 |
| tgaaagcctt | gaacgagagg | tgttcgatga  | acgatatgcc  | gtctatctgt  | atgttgttta  | 2969880 |
| ccttcgcacc | gaactcgacg | gatttcgttt  | ccttacctct  | tacgatggga  | cgtacataat  | 2969940 |
| gacggtcaat | gctgacgatg | cggtcactga  | cttttcgtcc  | ttcaaacatt  | tgcttttccct | 2970000 |
| gtacaagaac | ctttctgatg | atggaaagcc  | gcttccggta  | atcctgagta  | taccggagtg  | 2970060 |
| aggctccatg | ctccctatga | attccatccc  | gctgcatgag  | gagtttttca  | aggagtctaa  | 2970120 |
| tcatacgacg | cttgagcatc | cttgtccttg  | atgcctttct  | ctttcttttc  | ttacagtagg  | 2970180 |
| acagataagc | cttggcaaca | tcatcatatt  | tgttgcgggg  | acgtcttatg  | ccaagttccc  | 2970240 |
| cgcaatgctt | gcagatatgc | ctgtagagcc  | attcgaggct  | ttcccaaagg  | agcttcatgt  | 2970300 |
| ctgtcgggaa | acgcatgtgg | ctttcatagc  | atgtagcatc  | ggtcatgcac  | acgtgaaggt  | 2970360 |
| tctcaagata | aggtttccag | tgtgaggcca  | gcacttcctg  | gagggattca  | atgtcaagac  | 2970420 |
| gggatgccat | ctcattgcgg | atggcactga  | ctatcttgta  | gttggttatg  | gggaaggacg  | 2970480 |
| ggtctatcat | gattccgcag | aacatctgat  | agtgtatgtt  | gccgttcaga  | tgttccacca  | 2970540 |
| gctgtctgtc | ggagaatccg | gtgtatgcct  | tcaggaccat  | gagggcaatc  | tttgccgcag  | 2970600 |
| ggctgaagat | gttcctgcgt | cccagtcgct  | gttccaacag  | gccaaggct   | tttgccatac  | 2970660 |
| gctcaaaccg | aaacaccgag | tgaagcctgc  | caagctcact  | ctcgttaaaa  | ctcttgcggt  | 2970720 |
| atttttccag | aatatcaa   | tctgtaaagc  | caaagcagg   | ctgaatttct  | gaaatatatt  | 2970780 |
| gtacttttgc | catatcttgg | ttggggaatt  | tccccggtt   | tggttgccaa  | accttatttg  | 2970840 |
| cgggggaata | cctaaagata | caaaaaagcc  | agctaattcg  | caacactttg  | tgtatgaatt  | 2970900 |
| agttggctaa | ttttatatta | tttactgaat  | gtcccttcat  | aaaaaaagcc  | ggagtccttt  | 2970960 |
| tgggacctcg | gcttttaata | tatatagcgt  | ttacagaatt  | attcagcttt  | aggggcttcc  | 2971020 |
| tctgtagtag | cttctgcagt | tgcttcagca  | gcagggtgctt | cagttgcagc  | agatttttta  | 2971080 |
| gaacgacgag | tacgagtagc | tttcttagca  | gctgtcttag  | ccatgttctc  | attgtagtca  | 2971140 |
| accaattcga | tgaacacat  | ttctgcgtta  | tcacccaaac  | ggttaccagt  | cttgataata  | 2971200 |
| cgagtgtaac | cacccggacg | atctgcaacc  | tttacagaga  | tttctttgaa  | cagttcagtt  | 2971260 |
| acagcgaact | tatcttgcaa | gttgctaaat  | acaacacgac  | gagaatttgt  | agtgtcttct  | 2971320 |
| ttagactttg | taatcagagg | ctcaacgaac  | tttttcaaag  | cttttagcctt | cgcaacagtc  | 2971380 |
| gtagtgattc | ttttgtgctt | gatcaaagaa  | catgccatgt  | ttgacaacat  | tgcatcttctg | 2971440 |
| tgagaagcag | tacgacctaa | atgggtgaat  | ttcttattat  | gtctcatttt  | ttattcttta  | 2971500 |
| tctaatttat | acttagaaat | atctgttcca  | aacgacagat  | tcagactctc  | gagcaaatca  | 2971560 |
| tcaagctcag | tgagcgattt | cttaccgaag  | ttacggaact  | tcaacaggtc  | tgtcttggtg  | 2971620 |
| aactgtacca | agtctcccaa | tgtttcaaca  | tcggcagctt  | tcaagcagtt  | caatgcacga  | 2971680 |
| actgacaagt | ccatatcaac | caatttggtc  | ttcaacagct  | gacgcatgtg  | caatacttct  | 2971740 |
| tcatcgaatt | cttcgttgcc | gtctgaatct  | gaagtttcaa  | gagtgatctt  | ttcatcagag  | 2971800 |
| aacaacatga | agtataaat  | caatatttta  | gcagcctctt  | tcagcgcttc  | cttcgggtga  | 2971860 |
| atggaaccat | ccgtagtaat | ctccagaacc  | aacttttctg  | agtcggtctt  | ctgttctaca  | 2971920 |
| cgatagtttt | ctaccgcata | tttgacatta  | cggatcggag  | tgtaaataga  | gtcgatagga  | 2971980 |
| attacattca | catcgggtga | gaattcacgg  | ttttcgtcag  | ccggaacata  | accgcgacct  | 2972040 |
| ttgttgattg | taagatctat | ctgcatagtt  | gcttttgaat  | ctaaatggca  | aataactaat  | 2972100 |
| tcaggattta | acacttcaaa | tccgggtcaaa | tacttaccaa  | tatcacctgc  | cttaaattca  | 2972160 |
| gtagaattct | caacggtaat | gcttaccttt  | tcattttcga  | attcctcaac  | tatttgcttg  | 2972220 |
| aatctaactt | gcttcagatt | caagataatg  | ttagtacat   | cttcctttac  | tcccgggaaca | 2972280 |
| gttgcaaact | cgtgttcaac | accttcaata  | tgaatttgtg  | tgatagcata  | accttccaat  | 2972340 |
| gaagagagaa | gaatacggcg | taaagcatta  | cctacggtaa  | taccgaaacc  | gggttcaagc  | 2972400 |
| ggacggaatt | cgaattttcc | gaatttgga   | tccgcttcca  | acattaatac  | tttatcaggt  | 2972460 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| ttttgaaatg  | ctaatatcgc  | catgaaatta | attattat    | agagtacaat  | tcaacgatta  | 2972520 |
| agtgttcttt  | tatgttttca  | ggaatgtctg | ctctttcagg  | cttgtgcaac  | aacttaccag  | 2972580 |
| tcttagagtt  | ttcatcccat  | tccaaccaag | gatatttgct  | gtgattgaat  | ccagccaaag  | 2972640 |
| agttagcaat  | aacttccaaa  | gacttagatt | tttcacgaac  | acctacaagc  | tgtccagggt  | 2972700 |
| ttacagagaa  | tgaaggaata  | ttaactacct | taccatctac  | tgtaatgtgc  | ttgtgaccaa  | 2972760 |
| ccaactgacg  | agcagctgca  | cgagtaggag | caatacccaa  | acggaacaca  | acgttatcaa  | 2972820 |
| gacgacattc  | aaggctctgc  | aacaagattt | caccggtaat  | accgttcata  | cttgcagcct  | 2972880 |
| tttcaaacat  | gttacggaac  | tgtttttcca | aaactccgta  | agtatatatt  | gctttctgct  | 2972940 |
| tttcagccag  | catgacaccg  | tattctgatg | tttttctacg  | gcgagtgtta  | ccatgctgtc  | 2973000 |
| caggaggata  | gtttttctta  | gacaaaactt | tatctgctcc  | aaagattgct  | tcaccgaatt  | 2973060 |
| tacgtgcaat  | tctagttttt  | ggtccagtat | atctagccat  | tttcttactt  | ttaaatttaa  | 2973120 |
| ttgttattaa  | tgaacttaat  | ttgttgtagc | cgcgattaca  | gaaaggaatt  | gcaatccatt  | 2973180 |
| atttaacaaa  | atcaagttac  | atctaaatag | gttatcttta  | ttatactctt  | cttctcttag  | 2973240 |
| gaggacgaca  | accgttgtga  | ggcaatggag | ttacgtcgat  | aatttcagta  | acttcaattc  | 2973300 |
| cagctccgtg  | tacagttctg  | atagcagact | cacgtccgtt  | tccaggacct  | ttaacgtaag  | 2973360 |
| cttttacctt  | tctcaggcca  | agatcgtacg | ctacttttagc | gcaatcctgg  | gcagccatct  | 2973420 |
| gtgctgcata  | aggagtgttc  | ttcttagaac | ctctaaatcc  | catcttacct  | gctgaagacc  | 2973480 |
| atgaaataat  | ctggccctcg  | ctgtttgcca | aagaaacgat  | aatgttgttg  | aatgatgaat  | 2973540 |
| gtacatgcaa  | ctgtccatta  | gcatcaactt | tcacatttct  | tttttttagct | gcgactgttt  | 2973600 |
| tttttgccat  | attaacaatt  | attatttagt | agcttttttc  | ttatttgcaa  | cagttttctt  | 2973660 |
| tcttccctta  | cgtgtacgag  | cattattctt | tgtgctctga  | cctcttacgg  | gcagacctaa  | 2973720 |
| acggtgacga  | acaccacgat  | agcaaccaat | atccattaat  | cgcttaatgt  | tcaactggat  | 2973780 |
| ttctgaacga  | agatcacctt  | ctactttata | ttcagcaccg  | ataatttcac  | gaatcttagc  | 2973840 |
| agcctgatca  | tcagtccaat  | ccttaacctt | caggtcacga  | tcaacacctg  | ccttatccaa  | 2973900 |
| aatctttgct  | gaactactgc  | gtccgatacc | atatacgtat  | gtcaacgcaa  | tctcacctct  | 2973960 |
| cttgttctga  | ggcaaactta  | caccaactat | tcttatagcc  | atatactaata | tatttttttt  | 2974020 |
| gcaaaaaataa | taaattatcc  | ttgacgttgt | ttatacttag  | gatttttctt  | gttaataaca  | 2974080 |
| tacaaacggc  | cattacgtct  | aacgatctta | cattccggcg  | tacgtttctt  | taatgatgct  | 2974140 |
| cttactttca  | tatcttattt  | tctttttatt | atatctaaaa  | acgattcttc  | cttttagataa | 2974200 |
| atcatagggg  | gacatctcta  | cccttacttt | atctcccggg  | aatatttttaa | tgtaatgcat  | 2974260 |
| tctcattttg  | ccggaaatat  | gagcggtaat | ctcatgtccg  | ttttccagct  | caacacgaaa  | 2974320 |
| cattgcattc  | gacaatgctt  | ctacgataac | tccatcttgt  | tctattgctg  | attgctttgc  | 2974380 |
| catattaaat  | tgctttatct  | cctaaaactt | gttctataaa  | ttcaaacgat  | gataaaatat  | 2974440 |
| ctgccttatc  | taaaccgatt  | gcaactgtat | gtcgaatg    | agcagcgcac  | ttgcgatctc  | 2974500 |
| tggttctgat  | tgccaacga   | tcactttcca | ttacaatctg  | gcgatctccc  | tgagtaatca  | 2974560 |
| tggtgctctat | cgcaatgcac  | attccttttt | tcaataaggc  | tccggttcct  | ctctttccgt  | 2974620 |
| aattaggaac  | ctgaggagggt | tcgtgcattt | ccttacctat  | tccatgaccg  | acaaactctc  | 2974680 |
| tgacaactcc  | atacgaccgg  | tcttcacaat | actgctgtat  | cgcataaccg  | atatcgcccta | 2974740 |
| agcgctttcc  | atgaacagca  | ttttctattc | ctttataaag  | agcttctttc  | gttggttttta | 2974800 |
| agagtactcg  | tacttcagga  | tcaacttcac | ctacacagaa  | tgtatatgcg  | gaatcgccac  | 2974860 |
| aataaccgtt  | catgtaagtt  | ccacagtcga | cagaaacaat  | atcaccttct  | ttcaaaggaa  | 2974920 |
| tatcattagg  | aataccgtgt  | acaacctgat | cgtaaacgga  | agtacataga  | gttccaggga  | 2974980 |
| atggagggtcc | gtaaggatta  | gggaatcctt | tgaatgtcgg  | gattgccccca | tgatctcgga  | 2975040 |
| taaattcctc  | cgcaacttta  | tcaagttgtt | tcgtcgtaac  | tccaggcttt  | atcaatttag  | 2975100 |
| ccacttcagc  | cagagtcttc  | cccacaagga | gattactctg  | acgaagcaac  | tctatttcat  | 2975160 |
| catctgtctt  | aagaaatatc  | attctgactt | cgtttaataa  | gcagcaacat  | ttccagaacg  | 2975220 |
| acctttgatt  | cttcctgagc  | taagcaagcc | atcgtaatga  | cgcattaaca  | aatgactttc  | 2975280 |
| tacttgctgg  | agagtgtcga  | gaacaacacc | cacaaggatc  | aacaaggatg  | ttccacccaa  | 2975340 |

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| aatggccaag  | aaaagagagc  | ccgggaaagt  | gatacgtgtc  | ataatcgtat | caatgtaatc  | 2975460 |
| ggccgtactc  | ttacccggtt  | taatacccg   | aatgaaacca  | ttattacgtt | tcatatcttc  | 2975520 |
| agccatctga  | gttggaattga | tcgtaatagc  | cgtatagaac  | caagtaaaca | caataatcag  | 2975580 |
| aattgcaa    | accagattat  | accagaaact  | ggtatggtct  | acaaacgcac | gagcaatacc  | 2975640 |
| acttgccgag  | gcaacatttg  | agaatccgac  | aatcgtaata  | ggaatgaaca | taattgcctg  | 2975700 |
| agcaaagatg  | atcggcatta  | catttgcagc  | atttaccttc  | aaaggaatat | actgtctagc  | 2975760 |
| accaccatat  | tgcttattac  | ctacgatgcg  | ttttgcatac  | tgtacaggta | tcttgcgaac  | 2975820 |
| tccctgaacc  | aaaaggatgg  | cggcagcgat  | aaccagtatc  | aataccacaa | tttccaaaag  | 2975880 |
| gaacatgatg  | ataccgccgg  | cacctggaga  | tgcaagacga  | gaaacaaatt | caccaccgaa  | 2975940 |
| agcttgagga  | agacgggcaa  | taataccaat  | cataatgatc  | agtgaaatac | cattaccgat  | 2976000 |
| acctttatca  | gtaattcttt  | ctccaagcca  | aaggataaac  | atacttccc  | cagccaaaat  | 2976060 |
| gatggtagaa  | gtaataataa  | agaaagtcca  | atctaataaa  | gcattaagag | ccggacctgc  | 2976120 |
| ctgcattttc  | aagttagatca | aataagaagg  | agcctggaat  | atcaaaataa | agatagtcag  | 2976180 |
| aatacgagta  | tactgattaa  | tttttcgacg  | tccactctca  | ccttcacgtt | gtagtttctg  | 2976240 |
| gaaataagga  | actgcaatcg  | ccaacaactg  | aatcacgatg  | gatgcagaga | tgtacggcat  | 2976300 |
| gattcccaat  | gcaaagatag  | acgcattaga  | gaaagctcca  | ccagagaaca | tgttcaacaa  | 2976360 |
| agcaagaaga  | ccttcactcg  | tttgttcatg  | caactttgac  | agcatatcag | ggttgatacc  | 2976420 |
| tgggagaacc  | acatacgaac  | caaatactgta | gattgcaaca  | aacaatatag | taatgaggat  | 2976480 |
| ccgctgtctc  | agatcctcaa  | tattccatat  | gttctttaat  | gtttcaatag | atcttctcat  | 2976540 |
| tgaatcagag  | ttttactgca  | ttaccaccaa  | cggcttcgat  | tgcagctact | gcactcttag  | 2976600 |
| agaaagcggt  | tgcttctaca  | tcgagtttag  | tagttaaaact | accgttacca | agaactttca  | 2976660 |
| ctaactggct  | agaagaaata  | aaaccagctt  | caatcaagtc  | attaacaccg | accttagaca  | 2976720 |
| gattcttagc  | ttcagccaac  | ttctgaattg  | tatcaagggt  | aatagcttta | tattctacac  | 2976780 |
| ggttgatatt  | cttaaaacca  | aatttcggaa  | cacgacgctg  | aagaggcatc | tgaccacctt  | 2976840 |
| caaaaccgat  | cttcttagaa  | taaccagatc  | ttgactttgc  | tcctttatgt | cctcttgtag  | 2976900 |
| aagtaccgcc  | taaaccagaa  | ccagcaccac  | gaccaattct  | ctttctagtt | ttgactgaac  | 2976960 |
| cttctgcagg  | acgtaaatta  | tttaaatcca  | tattgtaaaa  | tcctttatta | ttacaatat   | 2977020 |
| attacttaac  | gattgcaacc  | aggtgtttta  | ccttttcaat  | cataccaga  | attgaaggag  | 2977080 |
| tttcttcgtg  | ttcaaccaca  | cgattcatct  | tacgaagtcc  | cagtgcaccc | agtgttcttt  | 2977140 |
| tctgatctgc  | aggagcacca  | attctacttt  | ttacttgttt  | gatcttaata | gttgacatgt  | 2977200 |
| ttatcctcct  | tatcctctaa  | atactttttc  | catacttaca  | cctctgtttt | gagctaccat  | 2977260 |
| gcgagcatct  | ctcatttcac  | ccaaagccaa  | gattgtagct  | ttaaccaggt | tgtgcgggtt  | 2977320 |
| agaagaacct  | tttgacttag  | ccaaaacgtc  | tgtaacacca  | acactttcca | atacagcacg  | 2977380 |
| cattgcacct  | ccagctacca  | ctccagtacc  | ggttgaagca  | ggtttaatga | aaacttctgc  | 2977440 |
| accaccgaat  | ttagcagact  | gttcgtgagg  | aacagtacct  | ttcaatacag | gaacacgagt  | 2977500 |
| cagggtttttc | tttgacgctt  | ctacaccttt  | agcaatagca  | gctgtaactt | caccagcctt  | 2977560 |
| accaagtccc  | caaccgatga  | taccatcttc  | attaccaact  | acaacgatag | cagagaaaact | 2977620 |
| gaaagtctta  | ccaccttttg  | taacttttagt | aacgcgggtg  | attgcaacca | gtctatcttt  | 2977680 |
| taattctata  | tcgttagtga  | tcttaactct  | attattaact  | gccataattc | attaaaattt  | 2977740 |
| aagtccaccg  | ttacgagcag  | catcagctac  | ttctttttact | ctcccatgat | acaagtaacc  | 2977800 |
| attacggtcg  | aatacgacag  | tcgtaataacc | agcttctctga | gctttcttag | cgatcaattc  | 2977860 |
| accaacttta  | gcagcctggt  | ctttcttagg  | catagcttcc  | ataccagag  | aagaagcagc  | 2977920 |
| aaccaatggt  | ttaccgctca  | aatcgtcgat  | aacttgagaca | tagatctgct | tgttacttct  | 2977980 |
| aaacacactc  | atacgcgga   | gttcagcggg  | acctgaaatc  | ttgttgcgta | ctctatatatt | 2978040 |
| gatcttgatt  | cgtctttcta  | ttttgttgt   | cataattgta  | cgattttatg | tgaattactt  | 2978100 |
| agcgccagct  | gacttaccag  | actttctacg  | aatttcttca  | ccaacaaact | taataacctt  | 2978160 |
| tcctttataa  | ggttcaggct  | tacggaaaga  | acgtattttt  | gaacaaacct | gaccgagcag  | 2978220 |

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| ctgtttgtca  | caagattcca | atatgataag  | agggttctta  | tttctttcag  | atthagtttc  | 2978280 |
| aaccttgatt  | tcaggaggca | actgcataaa  | aatattatga  | gtataaccca  | aagcgaaatc  | 2978340 |
| aatgatgtta  | ccattgttag | atgcacggta  | accaacaccg  | acaagttcca  | actctttctt  | 2978400 |
| gtaaccttca  | gaaacaccta | caaccatgtt  | gtgtatcaat  | gcacgatata  | aaccatggaa  | 2978460 |
| cgcattgacgc | tgtttcaggt | tatcaagcat  | agcgttttca  | ttttctttca  | acaccacgtg  | 2978520 |
| tccgtctgca  | atttctactt | cgatagcagg  | atttacaac   | tgactcaact  | cacctttcgg  | 2978580 |
| acctttaacg  | tttactacgt | tatccttcag  | agtaactgtt  | actccagcag  | gaataactaac | 2978640 |
| gggcaattta  | cctattcttg | acatagctta  | tcctcctaca  | ttaatataca  | taacaaagaa  | 2978700 |
| cttcaccacc  | gattttcaaa | gcagcagctt  | ccttgctctg  | catcacacct  | ttggaagtag  | 2978760 |
| atataatagc  | aataccta   | ccattaataa  | ctctcggcat  | gtctttgtag  | ccagtatact  | 2978820 |
| tacgcatacc  | cggagtagat | actctttcaa  | gtttcttgat  | agcgtttaact | ttgttaactg  | 2978880 |
| catcatactt  | caaagcaact | ttgatagtag  | cttgaggacc  | atcttctaca  | aatttgtagt  | 2978940 |
| tcagaatgta  | acctttgtca | aacaggatct  | tagtgatttc  | ctttttcaag  | tttgaagcag  | 2979000 |
| gtactttctac | aactctgtgc | ttagcactaa  | ttgcatttct  | caatcttggtg | agataatctg  | 2979060 |
| cgattggatc  | gtgcataaaa | ataattgtta  | aattaatcag  | gactaccctg  | acaatattta  | 2979120 |
| ataataaaaa  | taattaccag | cttgctttct  | taacgcccgg  | gattaaacca  | tttgaagcca  | 2979180 |
| tttcacggaa  | ctgaatacgt | gaaataccaa  | actgacgc    | atatcctttt  | ggacgacctg  | 2979240 |
| tcagtttgca  | acggttggtc | aagcggattg  | gattggcatt  | cttaggaaga  | gcctgcaatt  | 2979300 |
| tctgagcagc  | ttcaaaagct | tcagcagggt  | cacctgtctt  | tacaatcttt  | ttcaacgcag  | 2979360 |
| cacgtttctc  | agcatatttg | gctaccagtt  | tggtcttctt  | tacttcacga  | gccttcattg  | 2979420 |
| attcttttgc  | catatcttat | caatcttttt  | tagcgttttt  | aaacggtaaa  | ccgaattcct  | 2979480 |
| tcaacaaagc  | ataaccttct | tcgtctgtct  | gtgcagaggt  | tacaaaggta  | atattcattc  | 2979540 |
| cgagaatttt  | agtaatacta | tcgatattaa  | tttcagggaa  | aatgatttgt  | tcctgaatac  | 2979600 |
| caagagtata  | attacctctt | ccgtcttaact | tgctttcgt   | acctttgaag  | tcacgaatac  | 2979660 |
| gtggcaaagc  | tacgcgaaca | agtttttcaa  | ggaattcata  | cattctttca  | cgacgtaaag  | 2979720 |
| ttaccatcac  | accgataggc | attttcttac  | gcaacttaaa  | gttagcgata  | tctttacgag  | 2979780 |
| aaacagttgc  | aacagctttc | tgacctgtaa  | ttgcagtc    | ttcattgata  | gcaacatcga  | 2979840 |
| tgatcttctt  | atcagctaca | gccataacca  | gacctgatt   | gataacaatc  | ttcttaagtc  | 2979900 |
| taggaatctg  | catagatgaa | gtatactgga  | actgattctt  | caatgcagga  | gcaatacgtc  | 2979960 |
| ctgcataattc | tttcttaagg | ctagcagtag  | tactcattat  | ttaatctcct  | ctcctgattt  | 2980020 |
| tttagcataa  | cgaacaaatg | ttcttccatc  | agaactttct  | cttctaccaa  | tacgtgtcgg  | 2980080 |
| tttacctgtt  | ttaggatcaa | ccgatttcag  | gttagagatg  | tgaataggag  | cttcctgctt  | 2980140 |
| cacaatacca  | ccctgaggat | tctttgcatt  | aggttttgtg  | ctctttgata  | ccatattgat  | 2980200 |
| accttctacc  | agtgacgtc  | cttctttaac  | aagaactttc  | aacacgcggc  | cagttttacc  | 2980260 |
| cttgtcttcg  | ccagagttta | cgtaaactgt  | atcgcttttt  | ttaatatgta  | atttactcat  | 2980320 |
| tacttaaaatc | ttttacaaaa | ttaaagtact  | tcaggtgcaa  | gtgaaacaac  | cttcatgttt  | 2980380 |
| gcattacgca  | actctctcgc | taccgggcca  | aaaatacgac  | ttcctcta    | ttcacctgcg  | 2980440 |
| ttgttcaaca  | aaacgcaagc | attgtcatca  | aaacgaatgt  | aagaaccgtc  | agcacgacga  | 2980500 |
| atctctttct  | tagtacgtac | gatcagggcc  | ttagatactg  | cacctttttt  | aatatcactt  | 2980560 |
| gaggggataa  | cactctttat | tgaaactaca  | ataacatccc  | caacagaggc  | ataacgtctc  | 2980620 |
| tttgtagcgc  | ctaaaacgcg | gatacaaaga  | gcttcttttag | caccactgtt  | gtcacacact  | 2980680 |
| gtaagtctgg  | attctgcttg | tatcataatt  | acttagctct  | ttcgataatt  | tcaatcaatc  | 2980740 |
| tccatctctt  | agttttgctc | aaaggacgag  | tttccatgat  | acgaacagtg  | tcgccgatct  | 2980800 |
| ggcattcatt  | tttttcgtca | tgagcatggg  | attttttcgt  | cttagaaacg  | aactttaccat | 2980860 |
| aaatagggtg  | tttttcctta | aacttagcag  | caacagta    | ggctttatcc  | atttttattgc | 2980920 |
| taaccacaac  | accagttctt | tcttttctta  | aatttctagc  | ttccatgagg  | accattatta  | 2980980 |
| tttgtaagt   | tctctctgac | gcaattctgc  | tttcatacgc  | gcaatagttc  | tgcgtaattt  | 2981040 |
| cttaatctgt  | gcaggatttt | ccagcggaga  | gatcgaatga  | ttttaaacc   | tttgattgta  | 2981100 |

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| attggcaact  | tcagtctgaa  | ttctttctgc | caattcgttg  | gtagctat    | ctctaatttc  | 2981160 |
| tgcaatcttc  | atatcaatta  | agcattttga | cttgctgcgt  | aatcacgtct  | aacaataaac  | 2981220 |
| ttagtagtaa  | caggaagttt  | ctgtgctgcg | aggcgcaaag  | cttcttttgc  | tacttcaaaa  | 2981280 |
| gacacacctt  | caacttcgat  | caaaatacga | cccggagtta  | caggagctac  | aaagccttct  | 2981340 |
| ggattacctt  | tacctttacc  | catacgtacg | tcagcaggct  | tacgagtaat  | aggtttatcc  | 2981400 |
| gggaatatac  | ggatccaaat  | ctgaccctga | cgctgcatat  | atcttggtac  | agcaatacga  | 2981460 |
| gctgcttcaa  | tctgacgtcc  | agtaatccac | ttagtctgta  | atgacttgat  | accgaaggta  | 2981520 |
| ccgaaagcca  | actgggtgtcc | tctctgggca | ttacctttag  | cgctaccttt  | ctgctgtctt  | 2981580 |
| ctgaattttg  | tctttttcgg  | ttgtaacata | attcctaaaa  | ttcaaattcg  | ttagcgattg  | 2981640 |
| ttgtttttct  | ttctgcggaa  | attctttcca | ccattgtttac | cgtttccacc  | acggttggtt  | 2981700 |
| tccttgctct  | gagtgaagtt  | aggagccaac | tcacgttttc  | cgtaaacttc  | tccacggcaa  | 2981760 |
| atccatactt  | tgataccag   | caaaccaact | tttgtcaaag  | cttctgcatg  | acaatagtca  | 2981820 |
| atgtctgcac  | ggaaagtatg  | caacggagta | cgaccttctt  | tatacatttc  | agaacgtgcc  | 2981880 |
| atttcagcgc  | cattcagacg  | acctgaaatc | aacaccttga  | taccttcagc  | tcccatacgc  | 2981940 |
| atcgtattgg  | cgatagccat  | tttgatagca | cgacgataag  | cgatcttgcc  | ttcaacctgg  | 2982000 |
| cgagcgatgt  | tattagcaac  | aatcacagcg | tcgagttcgg  | gtttcttcac  | ttcgaagata  | 2982060 |
| ttaatctgga  | tatccttatc  | agtgatcttc | ttcaactctt  | ctttcaactt  | atcaacttcc  | 2982120 |
| tgaccacctt  | taccaatgat  | aatacctggg | cgagcagtag  | atacagtaat  | tgtcaccaac  | 2982180 |
| ttcagagtac  | gttctataac  | gattcttgaa | acgctggctt  | ttgcaagtct  | ggcattcaga  | 2982240 |
| tatttacgaa  | ttttgctatc  | ttctaacaaa | gcgtcaccat  | aattcttgcc  | accgtaccag  | 2982300 |
| ttagaatccc  | atcctctgat  | aattcctaaa | cggttactta  | tcggattaac  | tttctgtccc  | 2982360 |
| atctactctt  | aatttttatc  | attagtattc | ttagaatcaa  | cgaacaaagt  | cacatgattt  | 2982420 |
| gaacgtttgc  | gaattctgta  | acctctacc  | tgaggagccg  | gtctcattct  | tttcagagtt  | 2982480 |
| gcacctccat  | caacaaaaat  | cttagttaca | aaaagttcgc  | cgtcttcagc  | tttgcgttcg  | 2982540 |
| tttttctgtt  | cccagttagc  | aatagcagag | cgcaacagtt  | tttccactct  | tgcagaagct  | 2982600 |
| tccttagaag  | aaaacttcaa  | aacaccaagt | gctctattaa  | cctccatgcc  | gcgaatcata  | 2982660 |
| tcagcgacaa  | gacgcatttt  | acgcggagaa | gtgggcacat  | tttgcaattt  | tgcaaaatac  | 2982720 |
| atggttttaa  | gggcttcttt  | tcttttttca | gccgatattt  | tttttcttgc  | tcccattatt  | 2982780 |
| tattacttta  | ttatttcaaa  | taagtgtcct | gttatttttt  | cttggttacct | gcgtgaccac  | 2982840 |
| ggaacgtacg  | agttggagca  | aattctccca | acttatgacc  | taccatgttt  | tctgtaacat  | 2982900 |
| aaacaggaat  | aaatttggtt  | ccgttatgaa | ctgcaattgt  | atgcccaaca  | aaatcaggcg  | 2982960 |
| aaatcattga  | agctctagcc  | catgtcttaa | caactgactt  | tttgccgctt  | tcattcatag  | 2983020 |
| ccagcacttt  | gttttccagt  | tttacattaa | tatatggacc  | tttttttaat  | gaacgactca  | 2983080 |
| taaattactc  | aattaatcag  | ttgttattac | tttcttcttt  | caataatata  | cttagaagac  | 2983140 |
| tgtttcttag  | gtgctcttgt  | cttcaagccc | ttagcataca  | agcctgtacg  | tgatcttggg  | 2983200 |
| tgacctccag  | actgacgtcc  | ttcaccacca | cccatcggtt  | gatcaacagg  | gttcataaca  | 2983260 |
| acaccacggt  | tgtgaggacg  | acgtcctaac | cagcgagaac  | gacctgcttt  | accagaagct  | 2983320 |
| tccaacgcat  | ggtctgaatt  | accaacacta | ccgatagttg  | ctttacaagc  | acttaagatc  | 2983380 |
| tgtcttactt  | cacctgaagg  | caacttaata | acacagtagt  | taccctcacg  | agaagtcaac  | 2983440 |
| tgagcaaaat  | taccagccga  | tcttaccaaa | gcagcacctt  | gtcctggacg  | caattcaatg  | 2983500 |
| ttatgaatta  | cagtaccaac  | agggatgttt | tcaagcggaa  | gtgcattacc  | aatctcaggc  | 2983560 |
| gctgcactcg  | ctccagacat  | caaagtacta | cctacctgca  | atccattagg  | agcaataata  | 2983620 |
| tatctctttt  | caccatcagc  | atagaacaaa | agagcgatac  | gagcggaacg  | gttcggatcg  | 2983680 |
| tattcaattg  | tctttacaac  | tgctggaaca | ccgtctttgt  | ttctcttgaa  | atcgataata  | 2983740 |
| cggaattttc  | ttttatgacc  | gccaccgata | tagcgcattg  | tcattttacc  | tacatggtta  | 2983800 |
| cgaccacctg  | tagaacgctt  | tccatataca | agagattttt  | ctggtaccga  | tgcagtaatt  | 2983860 |
| tcctcaaaaag | taccaataat  | tttgtgtctc | tgccccggtg  | ttgtgggctt  | aaattttacgt | 2983920 |
| actgccatct  | tttatttaaa  | tattgctata | aaaatcaata  | gtatcacctt  | ctttcaatgt  | 2983980 |



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| gctcttggtc  | tttcctgcgt  | aacgaacagt | atttacatca  | acaacagtta  | cgttatacat  | 2984100 |
| agcttcgatt  | tcgctcttaa  | tttctaattt | gtagcttca   | ggacgaacaa  | taaataccaaa | 2984160 |
| gcggttgaac  | ttttcagata  | ttgccgtcat | cttttctgta  | accaacgggt  | taataatcat  | 2984220 |
| tcccatatta  | cttcagcctc  | ctttaattat | ttaactaagg  | tttcctcgat  | agctttcaat  | 2984280 |
| gcactctctg  | taacaacaag  | agtttctgcg | ttcaatactg  | agtaagtatt  | cagcgcagaa  | 2984340 |
| gcaattgcaa  | gatttgtacg  | ctctaagtta | cgagcagaca  | aatatacggt  | tttatttgct  | 2984400 |
| tccggcaaaa  | ccataagcag  | ctttttacca | gctacttta   | gattattcac  | aacattttaca | 2984460 |
| aaatctttag  | tcttaggagc  | ttcaaaagtg | aagtcttcta  | caactacgat  | attgttagcc  | 2984520 |
| tgagccttgt  | atgacaaaagc | agacttacga | gccaaaagcct | taactttctt  | gttcagtttg  | 2984580 |
| aaccagtaat  | cacgtgggtt  | aggaccaaac | acacgagcac  | caccaaccaa  | cagcggagaa  | 2984640 |
| ttgatatac   | cagcagcagc  | gccacctcca | cctttctgac  | ggcctaattt  | acgagtagaa  | 2984700 |
| ccactgattt  | cgcttctttc  | tttagacttg | tgagttccct  | ggcggttgatt | agccatgtac  | 2984760 |
| tgttttacgt  | ccagatagat  | agcgtgatca | ttcggagtga  | ttccgaagat  | agcttcattc  | 2984820 |
| aaagcaacct  | ttcttccggt  | gtcttcaccc | ttgatattta  | aaacgttaac  | ttccattatt  | 2984880 |
| tctcaattat  | tacgattgaa  | cctttgcaac | ccggaacaga  | acctttgatc  | aacagcaagt  | 2984940 |
| tgtgttcagg  | aattactttt  | aatacctgta | agttgtgagt  | agtaactctg  | tcaccaccca  | 2985000 |
| tttgaccacc  | catgcgcat   | cctttgaata | cttttgacgg  | gtaagaacaa  | gcaccgatag  | 2985060 |
| aacccggctt  | acgagcgcgg  | ttgtgctgac | cgtgagtagt  | ctggcctaca  | ccaccaaacc  | 2985120 |
| cgtggcggtt  | aacaacaccc  | tggaaacctt | tacccttaga  | ggtaccgatt  | acatctacat  | 2985180 |
| agctagcatc  | gttaaacaat  | tctacagtga | tagtatcacc  | taaattcaat  | tcttctgaga  | 2985240 |
| aatctttgaa  | ctcggccaag  | tgtctctttg | gagttactcc  | ggctttctta  | aagtgaccca  | 2985300 |
| tcaacgggtt  | tgtagtatgc  | ttttcctttt | tgtcctggaa  | acctacctga  | acagctgcat  | 2985360 |
| agccatcttt  | ttctacactc  | ttaatctgag | taactacaca  | aggaccagct  | tcgataacag  | 2985420 |
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| tcgaacgggt  | tacagtaaag  | acacgcttgt | gagttggcaa  | tggaatagga  | ccgctaacga  | 2985720 |
| tagcgctgt   | agccttcaca  | gttcttacaa | tcttttcagc  | agacttgtca  | accaagttgt  | 2985780 |
| gatcgtaaga  | tttcagttta  | attctaattt | tctgactcat  | tagtaatgat  | taattaatta  | 2985840 |
| tttgtattta  | agatgaagca  | tgagggttaa | gagtcattcg  | ctagccctca  | tcggcttcaa  | 2985900 |
| gttattcaat  | attattatac  | caagtctacg | cgaccttta   | cttcttccaa  | tacagtctta  | 2985960 |
| gcaatagagc  | ttgatactg   | tgcatggtga | tcgtaagaca  | ttgaagaagt  | agcacgacct  | 2986020 |
| gaagtaatat  | tacgcaaagc  | tgttacataa | caaacatttt  | cagccagcgg  | aaccattgcc  | 2986080 |
| ttaacaatac  | gtgcgccaga  | acggcttgtt | tccatttcctt | ctacctgacc  | acgacgcttg  | 2986140 |
| ttcaagtcac  | cgattacatc  | acctatgttt | tcttccggag  | taacaacttc  | cagttttcatg | 2986200 |
| ataggctcca  | tcaataccgg  | accagcctta | acacatgcat  | tcttgtaagc  | ctggatagca  | 2986260 |
| cagatttcga  | aagacaactg  | gtctgagtct | accgatgga   | aagaaccatc  | tttcaaaaca  | 2986320 |
| accttcagtg  | aatcgagcgg  | gaagccagcc | aaaacacat   | tcttcatagc  | tgtctggaat  | 2986380 |
| cctttctgta  | cagaaggaat  | aaattcctta | ggtacgttac  | cacccttcac  | ttcatcgatg  | 2986440 |
| aactgcaagc  | caccctgctt  | ccaatcttcg | tcaaccggac  | ctactgtaac  | gatgatatac  | 2986500 |
| gcgaacttac  | cacgaccacc  | agactgtttc | ttgtatactt  | cacgcaattc  | aacagtcttc  | 2986560 |
| gtgatagctt  | ccttatagtt  | aacctgcgga | cgaccctgat  | tacattctac  | tttaaattca  | 2986620 |
| cgtttcagac  | gatcgataat  | gatatccaag | tgaagctcac  | ccataccaga  | gataattgtc  | 2986680 |
| tgaccagtct  | gctcatctgt  | acgtacagta | aatgtcgggt  | ccttcttctgc | caacttagcc  | 2986740 |
| aaaccattag  | acagcttgtc  | caagtctttc | tgagtcttcg  | gctctactgc  | aataccgata  | 2986800 |
| accggttccg  | ggaaatccat  | agattccaat | acaatcggag  | ctgtttcatc  | acacaatgta  | 2986860 |

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|             |             |             |             |            |            |         |
|-------------|-------------|-------------|-------------|------------|------------|---------|
| tcaccagtac  | gaatatcttt  | gaaacctaca  | ccagcaccga  | tatcaccagc | gctaattact | 2986920 |
| tctaccggat  | tctgtttgtt  | tgagtgcata  | tggaacaaac  | gagatacacg | ttctttttta | 2986980 |
| cctgaacgag  | agttgtagat  | ataagaacct  | gcttcaatct  | taccagagta | aacacggaag | 2987040 |
| aatgtcagac  | gacctacata  | cgggtcagta  | gcaatcttaa  | atgccaaagc | cgcagtcttt | 2987100 |
| tcatcttcat  | ccggttttacg | atcttcttct  | gcacctgttg  | tcggatttgt | acctacaatg | 2987160 |
| ttcggagtat  | ccaacggaga  | aggcaagaat  | gcacatacat  | aatcaagcaa | agtctgtaca | 2987220 |
| cccttattct  | tgaatgaaga  | accgcacagc  | atcggaacga  | tttccatctt | caatgttcct | 2987280 |
| gcacgcaaag  | cacgcaagat  | ttcttcttct  | gtaatagtag  | aaggatcatc | gaagtatttt | 2987340 |
| tccatcaaaag | attcgtcgaa  | ttcagctact  | ttttcgagca  | ttttgtctct | ccattcatta | 2987400 |
| gcttcatcaa  | ccaagtttgc  | tgggatattct | tcaacgtcat  | agtctgcacc | cattgtttca | 2987460 |
| tcgtgccaca  | agattgcttt  | catcttgatc  | aagtctacta  | cacccttgaa | gctttcttct | 2987520 |
| gaaccaatag  | gaataactac  | cgggcatggg  | ttagctccca  | agacgtcttt | catctgacgt | 2987580 |
| actacctcaa  | agaagtcagc  | acccgaacgg  | tccatcttgt  | ttacataacc | gatacgagga | 2987640 |
| acattgtact  | tatcagcctg  | gcgccataca  | gtttcagact  | gaggttcaac | gccaccaaca | 2987700 |
| gcacaataag  | tagcaacagc  | gccatccaat  | acacgaagag  | aacgttctac | ctcagcagta | 2987760 |
| aagtctacgt  | gccccggagt  | atcaatcaag  | ttgattttat  | atttattacc | tgcgtatttc | 2987820 |
| caataagtag  | ttgtagcagc  | agaagtaata  | gtaataccac  | gttcctgttc | ctgttccatc | 2987880 |
| cagtccattg  | tagcagcacc  | atcgtgtact  | tcaccaatct  | tgtgagtcaa | accagtgtag | 2987940 |
| tacaaaatac  | gttcagaggt  | agtagcttta  | ccagcatcga  | tgtgcgccat | gatcccgatg | 2988000 |
| ttacgagtca  | aatgcaaadc  | atgtttagcc  | attttaattc  | cttcttaatt | gattattact | 2988060 |
| agattagaat  | ctaaagttag  | caaatgcacg  | gttagcttct  | gccatacgat | gcatactctc | 2988120 |
| tttacgcttg  | aaagcaccac  | cttgttcatt  | gtaagcatca  | aggatttcag | cagccaattt | 2988180 |
| atcagccatt  | gacttaccac  | cgcgcttacg  | agcaaaagcg  | atcaagttct | tcatagagat | 2988240 |
| tgactctttg  | cggctctggac | gaatttcagt  | aggaacctgg  | aaagttgcac | caccgatacg | 2988300 |
| gcgagattta  | acttccagct  | gcggagttac  | attatctaga  | gcttttttcc | aaacttccaa | 2988360 |
| agctgaagtt  | tcttcacccg  | gaagcttagt  | ttcaactggt  | ttcagtgcat | tgtagaagat | 2988420 |
| ttcgtaaaga  | gtattcttct  | ttccatcata  | catcaggtgg  | tttacgaatt | tagaaacctt | 2988480 |
| ctgatcatta  | aatactggat  | ccggcaggat  | cacacgtttt  | ttgggttttg | cttttctcat | 2988540 |
| tttgtttgat  | aataatgttt  | agtttggggc  | tgcattctctg | tttacttcaa | cacctctctc | 2988600 |
| gaggcattta  | ctcaacctta  | aagcttttcc  | tacaaaccaa  | aacgaattaa | taaaagttct | 2988660 |
| tttactaagg  | attgtactca  | gctacgaatt  | atttttttcc  | ctttgtagca | ggagcctgtc | 2988720 |
| ctggcttcgg  | gcgcttagca  | ccgtatttag  | aacgtctttg  | tgtacgacct | gcaacaccag | 2988780 |
| ctgtatccaa  | tgtaccacga  | acgatgtgat  | aacgtacacc  | cgaaggtcc  | tttacacgac | 2988840 |
| caccacgtac  | caatacgatt  | gagtgttctt  | gcaagttgtg  | tccttctccc | ggaatataag | 2988900 |
| agttaacttc  | cttagagttt  | gtcagacgca  | cacgagctac  | tttacgcatt | gctgagttcg | 2988960 |
| gttttttcgg  | agttgtagt   | taaacacgta  | cacaaacacc  | acgtctctga | ggacatgagt | 2989020 |
| ccagtgccgg  | tgattttactc | ttatctgcca  | aaaccgttct  | tccttttctt | actaactgtt | 2989080 |
| gaatagtagg  | cattttgttt  | tgattttaat  | tattatatat  | attgtttatt | gtttttccaa | 2989140 |
| tccttgctga  | aactatacat  | ttcgggctgc  | aaaattacaa  | ataacttttt | aatagacaaa | 2989200 |
| ctgttttaaa  | ataaaaaaag  | tccatttccc  | gtaaaaaggc  | aggaaatgga | cttcaaaatg | 2989260 |
| gcttttttat  | atttttttaa  | gcttctctct  | taaaatcact  | caatggtgga | acgaaagtct | 2989320 |
| tgctaccgtt  | agcttgttct  | tccggcatac  | gtatcggacc  | aaaattatgc | tcatattttg | 2989380 |
| cgacattgtc  | ttgtagagca  | tacatcagac  | gctttgcatg  | ttctggagtc | atcacaatac | 2989440 |
| gtgactgtac  | acctgcctta  | ggcaatcccg  | gcataatacg  | tacaaagtct | aatataaatt | 2989500 |
| cagaagtaga  | atgagtgatt  | atagcaagat  | tggcataagt  | accttgagca | acttcttctt | 2989560 |
| tcagctcaat  | ctggagctgg  | ttatttttgt  | tttcgttttc  | cataatgact | aaattttaat | 2989620 |
| attaagtatt  | tattttttct  | cattagtacc  | acaaatgtag  | ggaaaaagtt | gaatcattcg | 2989680 |
| aagtcttcaa  | ccagaatttt  | aaagaaggga  | ttcaaatttg  | cagacaaaga | ttgagttgat | 2989740 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| aacccctggt  | tataaaaaga | gaaccactcc  | atcaaagtag  | acctttgacg  | aagtgggttc  | 2989800 |
| cctctataca  | atcaacctat | caggcaaact  | attattctac  | ttcactatag  | tcaagtacat  | 2989860 |
| ttttacgggt  | tgccaagata | cggtcgtatt  | cttcttttga  | tccaacaata  | atcttttcaa  | 2989920 |
| attcacgctg  | acctgtacca | gcaggaatca  | gatgaccgca  | gattacgttt  | tccttcatac  | 2989980 |
| cttccagctt  | atcaaccttt | ccgttgatag  | cagcttcatt  | caacacctta  | gttgtttcct  | 2990040 |
| ggaatgatgc  | agccgacatg | aagcttgatg  | tctgcaatgc  | ggcacgtgta  | ataccctgca  | 2990100 |
| ggatctgagt  | agatgtagca | ggtacggcat  | cacgaacttc  | tacaggcttc  | aagtcacgac  | 2990160 |
| gtttcaacat  | actgttctca | tcacgcagct  | tacgggctgt  | aacgatctgt  | cccggctgca  | 2990220 |
| agttctgaga  | atcaccggca | tcaacaacaa  | ctttcttgcc  | ccagatacgg  | tcgttttctt  | 2990280 |
| cgttgaattc  | caaacgatct | acaacctgct  | gctccaggaa  | gcgtgtatct  | cccggttcgt  | 2990340 |
| caatctgaac  | tttacgcatc | atctgacgta  | cgataatttc  | gaagtgccta  | tcgttgatct  | 2990400 |
| tcacaccctg  | taaacgggat | acatcctgaa  | tttcattcac  | gatataattcc | tgtacagccg  | 2990460 |
| taggaccttt  | aatagccaaa | atcctggcag  | gagtaattgc  | accatccgac  | aacgggtgtc  | 2990520 |
| cagcacgtac  | atagtcgttt | tcctgaacca  | agatctgttt  | tgacaacgca  | accagatatt  | 2990580 |
| tcttcacatc  | accagtctta | gatgttacga  | taatctcacg  | gttaccacgt  | ttgatcttac  | 2990640 |
| ccattgtaac  | ctcaccgtcg | atttccgaaa  | caacagccgg  | atttgacgga  | ttacgtgctt  | 2990700 |
| cgaacagctc  | ggtaacacga | ggaagaccac  | cggtaatatc  | accggcctta  | cctacggcac  | 2990760 |
| gcggaatctt  | aaccaagata | tcaccgcgtt  | taaccacctg  | cttgtcttca  | acaaccacgt  | 2990820 |
| ggccacctac  | cggcaagtta | tatgttcgga  | taattccacc  | attctcatcc  | agaatatgca  | 2990880 |
| atgaaggaat  | cttcgtctta | tccttagatt  | cagtaataat  | gatttcacgc  | aaaccagtag  | 2990940 |
| cttcatccga  | ttctacctta | taagttacgt  | tttcaatcac  | tgattcgaaa  | tcaatcttac  | 2991000 |
| cagcagcttc  | tgtaacgata | acggcattga  | acgggtccca  | cttagcaatc  | agtttgcctt  | 2991060 |
| tttctacgac  | ttcaccgtct | gaagcataca  | atrtagaacc  | ataaggaacg  | ttgtgcgttg  | 2991120 |
| acaagataat  | gcctgtattc | acatctacga  | aacgcacttc  | agccaatcga  | ccaacaacga  | 2991180 |
| tcttaacagg  | ttcacctggt | tcttcaacag  | catctaccgt  | acgcaattct  | tcaaattcaa  | 2991240 |
| ggcgtgcatc  | gttcttcgct | acgatacttg  | cattggcagc  | catgttacca  | gcgatacctc  | 2991300 |
| cggcgtggaa  | ggtacgcaaa | gtcaactgag  | taccgggttc  | accgattgac  | tgagcagcga  | 2991360 |
| taacgccgac  | agcctcacct | ttctgaacca  | tacggctagt  | agcaagggtta | cgtccgtaac  | 2991420 |
| acttagcaca  | tacacccttc | ttcgattcac  | aagtcaatac  | agaacgtatt  | tcaacgcttt  | 2991480 |
| caatcggaga  | atcttcgatt | tcctgtgcga  | tagcttctgt  | aatttcttca  | ccagcagcta  | 2991540 |
| caatcagctt  | accagtagta | ggatgtataa  | catcgtgtac  | agatacacgt  | cccaatatac  | 2991600 |
| gttcatacaa  | cgtagcaata | acttcatcgt  | tattcttcaa  | agctgtacaa  | accaaaccac  | 2991660 |
| gcaatgtacc  | acagtcctct | tcattgatga  | tgacatcatg  | agatacgtca  | accagacgac  | 2991720 |
| gagtcaagta  | tccggcatcg | gctgtcttca  | acgcagtatc  | ggcaagacc   | ttacgagcac  | 2991780 |
| cgtgagtaga  | aataaagtac | tccaacactg  | acaaaccttc  | cttaaagtta  | gaaagaatcg  | 2991840 |
| ggttttcaat  | gatctgagca | ccttcggcac  | ctgctttctg  | cggcttcgcc  | atcaaaccac  | 2991900 |
| gcataccaga  | caactgacgg | atctgttcct  | tagaaccacg  | ggctccagaa  | tccagcatca  | 2991960 |
| taaatactga  | gttgaaacct | tgatcgatcat | tcttaattgt  | cttatacaag  | atatcagaca  | 2992020 |
| agtcactggt  | tacgtgcgtc | caagtatcga  | tgacctgggt  | gtaacgttcg  | ttgtcgggtga | 2992080 |
| tgaaacccat  | gttatagttc | atcataatct  | gttcaacttc  | ttcgttacca  | cgtttaacca  | 2992140 |
| gttctctctt  | ttccttcgga | ataataatat  | cacccaagtt  | gaatgacaaa  | ccaccttcaa  | 2992200 |
| aggctttctt  | ataacctaag | ttcttgatac  | catccaggaa  | ttcacatgca  | cgggctacac  | 2992260 |
| ccacacgctt  | aataacatcg | ctgatgatat  | cacgcaatga  | cttcttagaa  | ataatggtat  | 2992320 |
| tcaaataaacc | acattcatcc | ggaaccagtt  | cgtaaaccgat | aatacgtcct  | acagaagttt  | 2992380 |
| ctttgatcat  | cttcttaacg | atattgccgt  | tttcatcgag  | gtcattgggt  | acaacactga  | 2992440 |
| tgatagcgtg  | gatatctacc | tttcttcgt   | tgtaaagcaat | caatgcttct  | tccgggtccgt | 2992500 |
| agaaaatcaa  | cccctcacct | tttgcacctt  | tacgcaactt  | ggtaatgtag  | tacaaaccaa  | 2992560 |
| gaaccatatac | ctgtgccggc | actgtgatag  | gagcaccggt  | ggcaggggttc | aatatattat  | 2992620 |

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|             |            |            |             |            |             |         |
|-------------|------------|------------|-------------|------------|-------------|---------|
| gtgactgaag  | catcaacatc | tgtgcttcaa | gaacagcttc  | attactcaaa | ggcaagtgt   | 2992680 |
| ccgccatctg  | gtcaccatcg | aagtcggcat | tgaacgctgt  | acatgccaac | ggatgcaact  | 2992740 |
| ggatagcttt  | accctcaatc | atcttaggct | ggaatgcctg  | gataccaga  | cggtgcaaa   | 2992800 |
| tcggcgcacg  | gttcagcaat | accggatgtc | ctttcattac  | atgttccagg | atatcccaa   | 2992860 |
| tcaccggttc  | cttacgatct | acaatcttct | ttgcagactt  | aacggctctt | acaataccac  | 2992920 |
| gttcaatcag  | tttacgaatg | ataaatgggt | tgtacaattc  | ggcagccatc | aatttaggaa  | 2992980 |
| taccgcattc  | acccattttc | agttccggac | ctacaacgat  | tacagaacgt | gcagagtagt  | 2993040 |
| caacacgctt  | acccagcaag | ttctgacgga | aacgtccctg  | tttacctttc | aagctatcag  | 2993100 |
| aaagagattt  | caaaggacga | ttggcgtctg | tcttactgct  | actcgactta | cgagagttgt  | 2993160 |
| cgaacaatga  | atcaacagct | tcctgcaaca | tacgcttttc  | gttacgtaag | attacttccg  | 2993220 |
| gagctttgat  | ttcaatcaga | cgtttcagac | ggttattacg  | gataataaca | cgacgatata  | 2993280 |
| agtcattcaa  | gtcgggaagt | gcgaagcgac | caccatccag  | cggaaccaac | ggacgcaatt  | 2993340 |
| caggcggaat  | aaccggaacg | atacgtacaa | tcatccattc  | aggtttggtt | cggcctcttg  | 2993400 |
| aagcacggaa  | tgattctaca | acttgacgac | gtttcaatgc  | ttcgttctta | cgctgctgag  | 2993460 |
| atgagtcatt  | attggccttg | tgacgcaatt | catatgacaa  | tgcatccaaa | tccagacgta  | 2993520 |
| ccagcaaatc  | gtagatagct | tcagcaccca | tcttagcaat  | aaacttattc | gggtcgtgtg  | 2993580 |
| cttccaaaata | ttgattatct | ttcggaagat | tctcgatgat  | ttcaagatat | tcttcttcag  | 2993640 |
| acaacaaatc  | atattgattg | ataccatctt | cagctttgat  | acccggctga | ataactacat  | 2993700 |
| agcgttcgta  | gtaaatgata | gcatcaagtt | tcttggtagg  | caatcctaac | aaatagccaa  | 2993760 |
| ttttattagg  | caaagagcgg | aaataccaga | tatgtgcaac  | cggcacaacc | aactgaatgt  | 2993820 |
| gaccgctacg  | ttcacgacgg | actttctttt | cagtaacctc  | aacgccgcac | cggtcacaaa  | 2993880 |
| cgattccttt  | ataacgaata | cgcttgactt | taccacaatg  | acattcgtaa | tcttttaccg  | 2993940 |
| gaccaaagat  | tcgttcgcag | aacaaacat  | cacgttccgg  | cttataagta | cggtaattga  | 2994000 |
| ttgtttccgg  | tttcaacact | tccccataag | agttttccag  | aatctcttca | ggagaagcca  | 2994060 |
| gtccgattgt  | aatctttgag | aaattactct | ttatcttagt  | atcttttcta | aaagccatac  | 2994120 |
| tttataatgt  | ataaaatgaa | gaatttaaga | ttaaaggagga | gcacttctcg | tctcctacct  | 2994180 |
| ttattaatat  | attattccaa | tgtaatgctc | aagcaaagac  | ctctcaactc | gtgcagcaat  | 2994240 |
| acattcagag  | attcaggaat | acccggagta | ggcatcggtt  | cacctttcac | gatagcctcg  | 2994300 |
| tatgctttag  | aacgtcctac | tacgtcatca | gacttgatag  | tcagaatttc | ctgaagtaca  | 2994360 |
| tgagcggcac  | cgaatgcttc | gatagcccaa | acctccattt  | ctccgaaacg | ctgaccacca  | 2994420 |
| aactgtgcct  | taccaccaag | cggctgctga | gtaatcagag  | agtacggacc | gatagaacga  | 2994480 |
| gcatgcatct  | tgtcttcaac | catgtgacct | agtttcaaca  | tgtaagtcac | accgacagtt  | 2994540 |
| gcaggctggt  | cgaactgttc | accagtacca | ccatcgtaca  | agtaagtctt | acaataacgt  | 2994600 |
| ggcaagccag  | ctttgtcagt | ccacttatcc | aatcatcca   | aagtcgcacc | atcgaaaata  | 2994660 |
| ggagtagcaa  | acttaacacc | cagttcctta | ccggcacgtc  | ccaatacagc | ttcgaatatc  | 2994720 |
| tgaccgatgt  | tcatacgaga | aggcacaccc | agcgggttca  | atacgatatc | aaccggagta  | 2994780 |
| ccatctgcca  | agaacggcat | atcctcctga | cgtacgacac  | gtgaaacaat | acccttggtt  | 2994840 |
| ccgtgacgac  | ctgccatctt | atcaccaaca | ccgatcttac  | gtttcttagc | aatatatact  | 2994900 |
| ttagccatct  | gaataatacc | agaaggaagc | tcatcaccga  | tagtcaaagc | aaatttctta  | 2994960 |
| cgcttcagtt  | cagcatccag | ttctttgtat | ttcttcaagt  | aattcatgat | caaatcacga  | 2995020 |
| atcatatcat  | tcttatgagc | atccgaagtc | catttactca  | gctgaatgat | tgtataatcc  | 2995080 |
| aatgattcca  | gatcacgttt | agtaaactta | gcacctttgg  | cgataacttc | tgtaccacga  | 2995140 |
| tagtctttta  | caccctgaga | aaccttatcg | ttagtcagaa  | ccaacaattt | ttcaatcagg  | 2995200 |
| atttccttca  | gtgcagcagc | cttttcttca | aattcttcat  | tcagtttcgg | caaaatagcc  | 2995260 |
| ttatctgcgt  | tcttttactt | acgagtcttg | atgacacgtg  | aatacaactt | cttgccgata  | 2995320 |
| acaacaccac  | gcaaagaagg | agaagccttc | aaagaagcat  | ccttcacgtc | accagctttg  | 2995380 |
| tcaccaaaga  | ttgcacgcag | caatttttcc | tctggagaag  | gatcagattc | tcctttcgga  | 2995440 |
| gtaatcttac  | caatcaaaat | atcacccggt | tcgatacgag  | cacctacacg | gacgataaccg | 2995500 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| ttttcatcca  | agtcttttgt  | agcttcttca  | cttacattag  | gtatatcaga | agtcaattcc  | 2995560 |
| tccataaccgc | gcttggtttc  | acgtacttcc  | agaatatatt  | catcaacgtg | tacagaagtc  | 2995620 |
| aaaatatctt  | cacgtaccac  | gcgttcattc  | aatacaatag  | catcctcgta | gttgtatcct  | 2995680 |
| ttccacggca  | tgtatgctac  | cagcaggttc  | ttacccaatg  | ccaattcacc | attagcagta  | 2995740 |
| gaataacctt  | cggtaagat   | atcgcttttc  | ttcacacgct  | gaccttttga | gcagatagga  | 2995800 |
| cgcaagtcca  | tagtcatgct  | ctggtttagtc | ttgcggaatt  | taggaatacg | atattctttc  | 2995860 |
| aatgccggct  | caaagcttac  | aaactcttca  | tcgtctgtac  | ggtcatacaa | aatacgaata  | 2995920 |
| gttgttgcat  | ctacgaaatc  | aattacacca  | tcaccttcag  | cggcaatctg | tgtacgtgaa  | 2995980 |
| tcttcacaca  | actgtttttc  | gataccagta  | ccgacgatag  | gagcttcagt | cttcagcaaa  | 2996040 |
| ggaactgcct  | gacgcatcat  | gtttgatccc  | atcaacgcac  | ggttagcatc | atcgtgtttc  | 2996100 |
| aggaacggga  | tcaaagatgc  | agcgatagaa  | gcaatctgct  | gtggagatac | atccatcagc  | 2996160 |
| tcaacctgat  | caggagtaac  | aacaggataa  | tctgcatcac  | gacgagcttt | tactttgtcg  | 2996220 |
| cggataaatg  | ttccgtcatc  | attcaacggg  | gcattaccct  | gagcgataat | cttgtcttct  | 2996280 |
| tcttcctctg  | ccgacaaata  | ttctatacct  | tccggtgaca  | aatctactac | tccatctttc  | 2996340 |
| accttacggg  | aaggagtgc   | gataaatcca  | agatcattaa  | tctttgcata | tacacacaaa  | 2996400 |
| gaagagatca  | aaccgatgtt  | cggaccttca  | ggagtttcaa  | tcggacacaa | acgaccatag  | 2996460 |
| tgagtatagt  | gtacatctcg  | cacctcaaat  | ccggcacggg  | cacgtgacaa | accaccagga  | 2996520 |
| cctaacgcag  | acaaacggcg  | tttgtgagta  | atttcagcca  | gcgggtttgt | ctggtccatg  | 2996580 |
| aactgtgaca  | gagcgtttgt  | accaaagaat  | gaattaatga  | cagacgaaat | agtcttagca  | 2996640 |
| ttaatcaaat  | caatcggagt  | aaacacttca  | ttgtcgcgga  | cattcatacg | ttcacgaatg  | 2996700 |
| gtacgtgaca  | tacgagccag  | accgatagcg  | aactgattag  | acaactgttc | acctacggta  | 2996760 |
| cgtacacgac  | ggttgctcaa  | gtggtcgata  | tcatcaacat  | ctgcttttga | gttaatcagc  | 2996820 |
| tcaatcagat  | atttgatgat  | ttcaataata  | tcttgttttg  | tcaacacctt | cacatccata  | 2996880 |
| ggagtatcca  | gattcaactt  | cttggttgata | cgataacgtc  | ctacttcacc | cagggtcataa | 2996940 |
| cgttttttcag | agaagaacaa  | gttattaata  | acttcacgtg  | cactggcatc | atcggcagga  | 2997000 |
| tcagcattac  | gcaactgacg  | ataaatgtac  | aatacagctt  | ctttttccga | gttagacggg  | 2997060 |
| tctttctgta  | atgtgttgaa  | aataattgaa  | taatcagaag  | agttagcttc | ttcattatga  | 2997120 |
| acgaggatat  | tctgaatacc  | agattccaaa  | atcaaactga  | tatgttccgg | ttcgataacc  | 2997180 |
| gttccacgat  | cgattacgac  | ctcgttacgt  | tcaatagaaa  | caacttcacc | agtatcttca  | 2997240 |
| tcaacgaaat  | cctcagtcca  | agtcttcagc  | acacgagctg  | ccagcttacg | accgataatt  | 2997300 |
| ttcttcaagt  | tggcctttatt | aaccttaacg  | tcttcagcca  | gattaaagat | ttcgaggatg  | 2997360 |
| tctttatcat  | tttcaaagcc  | tacagctctc  | agcaatgtag  | ttacaggcaa | tttcttctta  | 2997420 |
| cgatcgatgt  | aagcatacat  | cacgttggtta | atatccgtag  | caaattctat | ccaagaacct  | 2997480 |
| ttaaaccggaa | tgatacgagc  | tgagtacagt  | ttagttccat  | tcgcatggat | actttgtccg  | 2997540 |
| aagaatacac  | ccggagaacg  | atgtaactga  | gaaacgacta  | cacgttctgc | tccattgata  | 2997600 |
| acaaaagtac  | cttttgaggt  | catgtaaggg  | ataggaccca  | gatatacatc | ctgaataaca  | 2997660 |
| gtgtcaaaaat | cttcgtgatc  | ggggtctgta  | caataaagct  | tcagtttagc | tttcaaggga  | 2997720 |
| acactataag  | tcaatccacg  | ttccagacaa  | tcgtcgattg  | tatagtgagg | cggatcgata  | 2997780 |
| tagtaatcaa  | ggaactcgag  | cacgaagttg  | ttgcgagtat  | ctgcaatagg | gaaattctcc  | 2997840 |
| gcaaacactt  | tatacaagcc  | atcgttcttt  | cgttttttcag | gcggagtatc | taactgtaaa  | 2997900 |
| aagtcttgaa  | atgacttcaa  | ttgcacttcc  | aggaaatccg  | gatacttcat | cggattctta  | 2997960 |
| atagaagcaa  | aattaattcg  | ttgattatta  | gtattttgaag | acatctgtat | ggagttaaaa  | 2998020 |
| tgattaaatt  | caggtcagag  | aaacctgtgt  | aacttaatat  | agacgcaaaa | aggtttaagaa | 2998080 |
| ttcccttttac | agaggactct  | taaccgaact  | acctgattta  | caggataatc | ttattttaagt | 2998140 |
| tcaacttcag  | ctccagcttc  | ttccaaagtt  | ttcttcaaag  | attcagcttc | gtcttttagcc | 2998200 |
| aagccttctt  | ttactgtgct  | aggagcaccg  | tcaaccaagt  | cttttgcttc | tttcaagcca  | 2998260 |
| agaccacaag  | cttctttaac  | ggccttaaca  | acctgcaatt  | tagcagcacc | tgcgctcttc  | 2998320 |
| aaaactacat  | cgaatgaagt  | tttttcttca  | gcagcagctg  | caccagcagc | agcaggacca  | 2998380 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| gcagcaacag  | ctacagctgc | agcagcaggt  | tcaataccat  | attcttcttt  | aaggatagtt  | 2998440 |
| gcaagttcat  | taacttcttt | tactgtcaag  | ttaactaatt  | gttctgcaaa  | agctttcaaa  | 2998500 |
| tctgccattt  | ttgtatgaat | ttaattgttt  | gttactattt  | gataattaaa  | gttgttttgg  | 2998560 |
| tttagtctta  | agctctggaa | acgattattc  | agcacgttca  | cccaaagtct  | taagaactcc  | 2998620 |
| gtgaatggtg  | ttaccaccag | attgaagagc  | agaaataacg  | ttcttcgcag  | gagactgcag  | 2998680 |
| caatgccacg  | atgtctgcga | taacttcggt  | cttgctcttg  | attgttgcca  | aagcttcgag  | 2998740 |
| ctgatcagca  | cctacataga | atccttcttc  | tgcataagca  | gctttcaatg  | caggaacacc  | 2998800 |
| ttctttgtat  | tctttcaaca | acttagcagg  | agcgttcgct  | acttcgctga  | acattactga  | 2998860 |
| agttgtacct  | ttcaaagaat | caaacaacgg  | tgaataatca  | acatccaagc  | tcatcaaagc  | 2998920 |
| cttggtgaagc | aaagaattct | tcacaactac  | cagtttgata  | ccagccttga  | aacattttct  | 2998980 |
| acgcaattca  | cttggtgaag | ctgcatccat  | agcagttgta  | tcaaccaagt  | agaaatgtcc  | 2999040 |
| gtattgtttt  | acggtatcag | ccaactgacc  | gataattacg  | cctttatctt  | cctttctcat  | 2999100 |
| gattcctcct  | taattttaga | tttcgtctac  | agatttaggg  | tcgattttta  | tacccttact  | 2999160 |
| catagtactt  | gaaagataaa | tactcttaat  | ataagtaccc  | ttagctgttg  | tcggtttcag  | 2999220 |
| tttgatgata  | gtagcgataa | attccttcgc  | attgtcacgg  | atctgggtcag | cagtgaagaa  | 2999280 |
| tactttaccg  | attgaagtat | gaacgatacc  | gctcttgtca  | accttaaagt  | cgatcttacc  | 2999340 |
| ttgcttaact  | tcctttacag | ccttagctac  | atccatagtt  | acagtaccac  | tcttaggggt  | 2999400 |
| cggcattaat  | ccacgaggac | caagaacacg  | accagagca   | ccgatcttac  | ccatgataga  | 2999460 |
| cggcatagtg  | atgattacat | caatatcagt  | ccatccacct  | ttgatctttt  | caatatattc  | 2999520 |
| atcaagacca  | acatagtcag | caccagcttc  | ttttgcagca  | gcttcagcat  | ccggtgtaca  | 2999580 |
| cagaacaagc  | acgcgaacct | gcttacctgt  | accatgagga  | agagatacga  | cacctcttac  | 2999640 |
| catctggtta  | gccttacgag | ggtctacacc  | taaacgtacg  | tcaatatcta  | atgaagcatc  | 2999700 |
| aaacttagta  | aaagtgatat | cctttaccag  | ttgagcagct  | tctttcagtg  | agtatgcttt  | 2999760 |
| ccctgcttca  | attttttctg | cagccaactt  | ttgatttttt  | gtcagttttac | ccattattaa  | 2999820 |
| ttgaagttaa  | ttagttatta | cccgggaagt  | caccttttac  | agcgataccc  | atacttctag  | 2999880 |
| ctgttcctgc  | taccattgtc | atagcagatt  | cgatagtaaa  | gcagttcaag  | tcaaccaatt  | 2999940 |
| tatcttgagc  | gattgtacga | atctgatccc  | aagtcagttc  | tgcaactttc  | ttacggtttag | 3000000 |
| gttcagcaga  | tccactcttg | atttttagcag | cctcaagcaa  | ctgaattgct  | acaggaggag  | 3000060 |
| tcttaattac  | gaaatcgaaa | gacttgctctg | tgtagtaggt  | aatgattaca  | ggtaaaattt  | 3000120 |
| tacctgcctt  | gtcctgggtt | ctggcggtga  | attgcttgca  | aaactccatg  | atgttaatac  | 3000180 |
| ccttagaacc  | cagagcaggt | ccaacgggag  | gtgatggatt  | tgcagcgcct  | cctttaatct  | 3000240 |
| gtaatttgat  | tagtccagca | acttcttttag | ccattttttt  | aatttttaat  | ataagtgatt  | 3000300 |
| aacgaataga  | acaacaacac | gtaacaaaat  | gcgttattcc  | ttttccacat  | ccgtaaagcc  | 3000360 |
| taattcaagc  | ggagttttac | gcccgaatat  | tttgaccatt  | actttcagtt  | tgcgtttttc  | 3000420 |
| cgcacttact  | tcttcaatga | taccactgaa  | tccgctgaac  | ggtccaacac  | taactttcac  | 3000480 |
| tgtttctcct  | acggtataag | gaatattagt  | atcttcgcta  | acttcctgaa  | gctcatctac  | 3000540 |
| cgtacccagt  | atacgattca | cttccgattg  | tctcaagggg  | accggatggt  | cctgaccacc  | 3000600 |
| taaaaagccg  | attacatttg | tgatgtttct  | caaatgatga  | gcaacttcgc  | caaccaatgc  | 3000660 |
| agcttccacc  | aagacataac | caggagata   | agttctctct  | ttcacaattt  | ttttaccggt  | 3000720 |
| gcgaacctgg  | taaacctttt | cggtaggaat  | caatacctga  | gatacgattt  | caccaagatc  | 3000780 |
| gctgtttctc  | atttcagctt | caagatattc  | tttaaccttg  | gtttctttac  | cactcacggc  | 3000840 |
| acgaagtacg  | taccattttt | tttcaatctc  | agacattctt  | ttactgtttt  | attagtgcgg  | 3000900 |
| atagataacg  | tcttccatga | taaaacggaa  | ggcagaatcc  | ataagaaaaa  | caacgagtg   | 3000960 |
| aatgagtagg  | gaagcatata | aaacaaccac  | tgcactacta  | gaaagtcttg  | aacgagtagg  | 3001020 |
| ccatgatact  | ttatggacta | gttcgtcata  | agattcttta  | caataattcg  | ttatcttttt  | 3001080 |
| aaacatattc  | ttatcaattt | agcacgggaa  | gagaggctcg  | aactcccgac  | actcggtttt  | 3001140 |
| ggagaccgat  | gctctaccaa | ctgagctatt  | cccgtaaaaa  | tagttcccga  | attttgtttc  | 3001200 |
| gggaactata  | atcttatctt | aatgactttg  | agtatttagtc | aagaagttca  | gtaatctgac  | 3001260 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| cagcacctac  | tgtacgacca | ccttcacgga | tagcgaagcg  | cagacctacg  | ttcaatgcaa  | 3001320 |
| ccgggtagat  | caattctaca | gtgatagtta | cgttatcacc  | cggcattacc  | atatctgtac  | 3001380 |
| cttccggcaa  | agtgatttca | cctgtacaat | ccatagtacg  | cagatagaac  | tgaggacggt  | 3001440 |
| atttgttgtg  | gaacggagtg | tgacgaccac | cttcttcttt  | cttcaggata  | taaacctcag  | 3001500 |
| ctttgaattt  | agagtgaagt | ttaacctgac | ccgggtgaca  | cagaatcata  | ccacgtttga  | 3001560 |
| tttcgttctt  | gtcgatacca | cggagcagca | aacctacgtt  | atcaccagct  | tcaccttcat  | 3001620 |
| ccaagatctt  | acggaacatt | tcaacaccag | ttacaactga  | tttcttatct  | tcaccaagac  | 3001680 |
| ccaagatttc  | aacttcatca | ccaactttta | cgcgacctgc  | ttcgatacgt  | cctgttgcta  | 3001740 |
| cagtaccacg  | accagtgatt | gagaatacgt | cttcaaccgg  | catcaagaac  | ggttttatcaa | 3001800 |
| catcacgcgg  | aggcagagga | atccagttat | caactgcac   | catcagttcg  | atgatcttat  | 3001860 |
| cttcccattc  | ttttacacca | ttcaatgcac | ccagtgcaga  | accacggatg  | ataggagtat  | 3001920 |
| tgtcaccgtc  | gaaatcatag | aatgacagca | attcgcgcat  | ttccatctca  | accagttcca  | 3001980 |
| acatttcttc  | atcgtaacc  | atatcacact | tgttcaagaa  | tacaaccaag  | cgcggtacgt  | 3002040 |
| ttacctgacg  | agccaacagg | atgtgttcac | gagtctgagg  | catcggacca  | tcagttgcag  | 3002100 |
| caactacgat  | gatcgacca  | tccatctgag | cagcaccagt  | taccatgttc  | tttatacagt  | 3002160 |
| cggcgtgtcc  | cggacagtca | acgtgagcat | agtgcagatt  | tgcagtttca  | tactctacgt  | 3002220 |
| gagaagtatt  | aatggtaata | ccacgttcct | tttcttccgg  | agcgttatcg  | atctgatcga  | 3002280 |
| aagacttgat  | ttcgtcagct | ttagtgaaac | ctctttctgc  | caatacttta  | gtgatagcag  | 3002340 |
| cagtcaaagt  | tgtcttaccg | tggtaaacgt | gaccaatcgt  | accaatgttc  | acatgcggtt  | 3002400 |
| tgggtgcgtt  | aaatttctct | ttagccatag | ctttactatt  | tatttttgatt | aataatcagc  | 3002460 |
| ttttattttac | aaatcacgag | ctgttaccgg | gacttgaacc  | cgggacctct  | tccttaccaa  | 3002520 |
| ggaagtgtct  | taccgctgag | ctataacagc | aaagaagaaa  | aaagaagagc  | ggaagacggg  | 3002580 |
| actcaaacc   | gcgaccctca | gcttggaagg | ctaagtctct  | atcgactgag  | ctacttccgc  | 3002640 |
| aatttttagtg | ggcaaagatg | gattcgaacc | accgaaggcg  | taagccagca  | gattttacagt | 3002700 |
| ctgccccatt  | tggccactct | ggtatttgcc | caacttcttt  | caaagaacac  | cagttttacaa | 3002760 |
| cctgtgtttt  | tcttcctttt | gagcctcttg | tcggattcga  | accaacgacc  | ccgagattac  | 3002820 |
| aaatcacgtg  | ctctggccaa | ctgagctaaa | gaggcaaatt  | aacttttacag | ccgcacaatc  | 3002880 |
| tccgcgactt  | agcggctgca | aagttagata | taatttttcta | atcacaaaat  | atttctcgcg  | 3002940 |
| atttttttta  | tttaccttgc | tgtttttctt | tcgctttcag  | caattgttta  | gacagtgcac  | 3003000 |
| ccatgcacac  | atctactgat | tcttcaaagt | tatcacttac  | cttttcagcg  | taaaactctg  | 3003060 |
| tattcagcgc  | caaaacgcgt | acaccagctt | ccttattcat  | agctgtttca  | ggttttacta  | 3003120 |
| cttttaaaaga | cacctctact | ttctttatat | tatcgcaaaa  | cttctcagag  | ttctctgctt  | 3003180 |
| ttttctgaat  | aaaagcttcc | aatttttcag | atgcgccgaa  | atgaattgat  | tgaattctta  | 3003240 |
| cttccataaa  | tacctccttt | ttctttacgc | tctaggatga  | gcttgttcat  | aaactttttt  | 3003300 |
| caactcctca  | aaagtcgtat | gggtatacat | ctccgttggt  | gtcaaacttt  | catgtcctag  | 3003360 |
| cagctctttt  | acagcgctca | attccgcagt | attattcagc  | atcgagggtg  | caaaagtatg  | 3003420 |
| ccgcaacaca  | tgtgggcttt | tcttcttcaa | cgaacgact   | ctcgagagat  | aacgtttcac  | 3003480 |
| taagagatac  | accagataag | gatacatcgc | ctttccattc  | ttacgaacaa  | aaaacgcctc  | 3003540 |
| tccaccctct  | ggcaaaagat | cttttcttgc | cgaagataaa  | gcctctatat  | tttctttcag  | 3003600 |
| ctcatcaccg  | aaaggaatca | aacgttgctt | atttctcttt  | cccgtcacct  | ttatttgctt  | 3003660 |
| cgcgaacaga  | tcaacatccg | catcagtcag | acctattaat  | tcagaacgtc  | ggataccggt  | 3003720 |
| ttcatagaaa  | acttccagaa | tcagccgatc | gcgaagacct  | tcaaattccg  | catcaaacgc  | 3003780 |
| cgtttcatcc  | agtaatcgag | tcatatccgc | gtccttaata  | aaaacaggca  | aaggcttctt  | 3003840 |
| tttcttcggc  | cccgttactt | tcagcagcgg | atccacagaa  | actacaccct  | gacgcagcaa  | 3003900 |
| ataatgataa  | aaagaacgaa | gtgaacttaa | ttttcgattc  | acagaagtcg  | ccgtatagcc  | 3003960 |
| atcctccatc  | aacgagagca | cccatccacg | gattatgtca  | gcatcgaccg  | ctggaaagtc  | 3004020 |
| taaattttcg  | tccaactttt | taaaatactc | ttcaaacttt  | gagagatctg  | taccataact  | 3004080 |
| aacaatcgtt  | ttgtcagaat | agtttttctc | aaaacgaaga  | aattttcaaaa | agaatctttt  | 3004140 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| cagcataaaa  | aaacatcgcc  | ttaattattc | agcaacgaat | ttatgaaaaa  | gaattcaata  | 3004200 |
| attcaaaagt  | tttgcagaat  | tattattctt | ctacctgatg | catttttctga | acgtaaatag  | 3004260 |
| cacgttccat  | cttcagtcct  | ttcaaaacag | acggtttgct | atactgctgt  | ctgcttctca  | 3004320 |
| attcttttac  | aacacctgtt  | ttttcaaatt | ttcttttgaa | ctttttcagc  | gctttttcaa  | 3004380 |
| tgttttcgcc  | ttcttttact  | ggtactacaa | tcatgttttt | aaaattaaag  | tatgttggtta | 3004440 |
| ttaaattatt  | cgatagtcga  | attgcggcgc | aaaattacac | atactttctt  | tatttacaaa  | 3004500 |
| actttccaat  | agattttatc  | gaaaatacc  | tagaaatcgt | acctttgctt  | ttcatagaaa  | 3004560 |
| gtcttagata  | aaacatattt  | tatatgaaac | aagagataag | gaaaagaata  | acttcgctgc  | 3004620 |
| gtgtcttcat  | gcggcaacgg  | ggtatatcgg | cttttatcgt | gccgagtaca  | gaccctcatt  | 3004680 |
| cgggcgaata  | gtccccggca  | cactgggaat | cacgtaaatt | gatttcagga  | ttcacgggct  | 3004740 |
| ctgccggaac  | agctgtcatc  | acgactcagg | atggcggatt | atggaccgac  | tccagatatt  | 3004800 |
| ttctgcaagc  | agccgaccag  | ctggaagata | ccggcatcaa | gctttttaaa  | gaccgcttgc  | 3004860 |
| cggaaactcc  | atccattgca  | gaatggctgg | gaagcgtctt | gcacgctggg  | gaaaaggtag  | 3004920 |
| gcatcgacgg  | ctgggttaat  | accaccgaag | aagcagagag | tcttcgcgcg  | tcgttgtctt  | 3004980 |
| ctcaaggctc  | ggaactgggt  | tccgtaaatt | atccgttcga | aacattgtgg  | gaagaccgtc  | 3005040 |
| cgctactgcc  | gctgaatgct  | ccttttatct | tgccgacaga | atatgccggg  | gtatcatgct  | 3005100 |
| ccgacaaaact | ggcccaaact  | agggaaagcc | tttgtcggaa | ccatgccgac  | ggtatcttga  | 3005160 |
| tttctgccct  | cgacgaaata  | gcctggacct | taaacatgcg | aggaaacgat  | gtacactgca  | 3005220 |
| atccggtatt  | catcagctac  | cttttcatca | ctcagtcgga | tgcaactcta  | tatatcctgc  | 3005280 |
| cagagaaaact | tacaccgga   | gtcaccagat | acctccacca | gcagggtata  | cggacaaaaa  | 3005340 |
| gctatacaga  | catagagaag  | gacctgcaac | attatgaagg | caaatgcgtc  | cagctatcac  | 3005400 |
| cggaaacgaa  | ctatactctc  | tattgcgctg | cggcttcac  | agcacctgtc  | gttatgctcc  | 3005460 |
| cctcccctgt  | ccgactgctg  | aaggccgtca | agaatccaac | cgaatatagca | ggatttcac   | 3005520 |
| aagccatgaa  | gcgtgatggc  | gtagcaatgg | tgcgtttctt | gatgtgggtg  | aaggaagctg  | 3005580 |
| taaaaagcgg  | caaggaaacg  | gaactgtctg | tcgaccgcaa | attatacgaa  | ctgagggctg  | 3005640 |
| aacagaatct  | tttccaaggg  | atcagtttct | acaccatcgc | cggctatcag  | gctcatggag  | 3005700 |
| ccatcgtaca  | ttatgaagcg  | actcctgata | ctgatgtgac | cttgacgccc  | gaaggacttc  | 3005760 |
| ttctgctcga  | cagcgggtga  | caatatctgg | acgggactac | ggacattaca  | cgaaccatcg  | 3005820 |
| tattaggcaa  | actatccgaa  | gaacaaaaaa | cggactatac | gctgggtgctg | aaaggcttca  | 3005880 |
| ttgccttgct  | ggaggctgaa  | tttctcaag  | gtacctgcgg | cacacaactc  | gacgtacttg  | 3005940 |
| cacgacagtt  | catgtggaaa  | gcaggtatca | actacggaca | cggtagaggg  | catggtgtag  | 3006000 |
| gacatttcct  | gaatgttcac  | gaaggccctc | atcagattcg | aatgaaccat  | gtgtcgactc  | 3006060 |
| ctttgtgccc  | cggcatgacc  | attaccaacg | aaccgggaat | ctacaaatcc  | ggacgttatg  | 3006120 |
| gtatccggac  | agagaacacg  | atgctttag  | taccgtccc  | tgaaacagag  | ttcgggtgct  | 3006180 |
| tctataaaatt | cgagcctctc  | accctctgcc | cgatagacaa | agaagctatc  | cgtacagaca  | 3006240 |
| tgctgacaca  | ggaagaaaca  | gaatggctcg | acaactatca | ccggaaggta  | ttcgaggttc  | 3006300 |
| tgctgccaat  | gctgactgcc  | accgaacagg | aatggctgaa | acgtgcaacc  | tctcccctac  | 3006360 |
| aagtataacc  | taaaacaaca  | agattatatg | gcactgatta | aatctgtcag  | aggatttact  | 3006420 |
| cctcagattg  | gtgagaattg  | ttatctcgcc | gataacgcaa | caatcatagg  | cgatgtcgtc  | 3006480 |
| atgggacggg  | attgcagcgt  | atggttcaat | gccgtactgc | gcggagatgt  | aaattcaatc  | 3006540 |
| cgcacggcg   | accgcgtaaa  | cattcaggac | ggaaccgttc | tgcatacact  | ttacgagaag  | 3006600 |
| tcgaccgttg  | aaatagggaa  | tgatgtttcc | atcggacaca | acgttacgtt  | gcacggagcc  | 3006660 |
| tgctgacacg  | acaatgcact  | gattggaatg | ggctctaccc | ttctcgacca  | tgccgttggtg | 3006720 |
| ggtgaaggag  | caattgtagc  | cgccggagca | ctagtcttag | ccaatacggg  | tatcgagcct  | 3006780 |
| cacacgctct  | ggggcggtgt  | tcctgcaaaa | ttcatcaaga | aagtagatcc  | gcagcaaagt  | 3006840 |
| aaagaactga  | accagaagat  | agcaaacggc | tatctgatgt | atgcgtcctg  | gtttaaagaa  | 3006900 |
| gacgaagcgc  | aaggcgataa  | taaataatga | ctagtcctaa | ataaccgtta  | cagttatttg  | 3006960 |
| acaaaaataa  | attattttatc | acagttcagc | aaggtcagtc | ttgctgaact  | gtttgttttt  | 3007020 |



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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| gtaacttttta | attttaatca  | gcttctgatg | atgcatatac | tccggcgttt  | tatacccaca  | 3007080 |
| agagtaatga  | ggtctgatgt  | tattatactt | gtagacagca | tcccttatta  | cctgtttcat  | 3007140 |
| atctgatagc  | ggtagattaa  | gttcctcaag | caggaactcc | tgtttttagta | ttccgtttat  | 3007200 |
| tcgttctgcc  | acggcattag  | cgtacggatc | gtaagattca | gtcatgctgg  | gtatgatgtg  | 3007260 |
| atattgtccc  | agtaatttct  | gatatgcata | ggaacagtac | tgtataccac  | ggtcagagtg  | 3007320 |
| gtgtatcaat  | ggcgtgtccc  | tatacagtcg | gttgcggttt | gccatcctca  | gcgcgttcaa  | 3007380 |
| agaaccttga  | gtgtccaagg  | aatcggaaag | atcatatccc | ataatcttct  | tggaataagc  | 3007440 |
| atctgtaacc  | agagaaagat  | acatatgccg | gtttctattg | ccaatataag  | taatatacaga | 3007500 |
| aacccatatt  | tcttccgggc  | gtgtcgcttc | catactttct | acaagattct  | tgtgcttccg  | 3007560 |
| aaaccggtga  | tgcgagttgg  | ttgttacatg | atatgaacgt | acgggcttta  | taagcagacg  | 3007620 |
| gttggcacgg  | agtataatga  | acagtttgtc | cctgcctacc | ttgttctcct  | taagtggctg  | 3007680 |
| atgaagcata  | tgataaagtt  | tgccgggttc | tacacgtggc | agttccattc  | ggatatctcg  | 3007740 |
| taccatgccc  | acaacatcag  | tgcccttttg | ccggcctcgg | attatcttcc  | attgctgacg  | 3007800 |
| gtaatatatt  | tgctgtctta  | tcccagacag | tcggcagatt | ccgctgatac  | ttacggattt  | 3007860 |
| ttcttcttta  | tatttattga  | ctgttcggga | gaggagtttt | ttcgtatgtc  | gatattatat  | 3007920 |
| tccttttccg  | ctatgtctat  | catcatgtcg | aaaaactctg | ctttcatatc  | cttcagctca  | 3007980 |
| agctcctttt  | ccagacgggc  | attcttgcgt | tccaggaacc | ttactttctg  | ttgtagtctt  | 3008040 |
| aacagttttt  | gatccttact  | cttttccata | gaatggtaac | atltgtttgt  | gatatacaag  | 3008100 |
| ttaccatatt  | tttcaatcca  | acggctaata | gttgaacatc | cttgtatccc  | atattttcgt  | 3008160 |
| ttcagcgctc  | ccaaacttat  | ttttgtggtt | tcatactctt | gcactactga  | tagtttaaaag | 3008220 |
| gacataactgt | aatctttttg  | tgtgcgctta | acgtactttg | tttctgtctt  | ttccataatg  | 3008280 |
| ttaccttttt  | tgttgtaacg  | ctatttcagg | actagacata | acgattaaaa  | aaggaggaca  | 3008340 |
| aatcacgctt  | atgtcggttt  | gtcctccttt | tactttttat | tttactgcct  | catatttgat  | 3008400 |
| aaattttccc  | tacgcattaa  | acagccatcg | ggtaccgtct | atcagcgata  | cgtggtaatt  | 3008460 |
| tccatctttt  | cgggtcaacat | ccgttatacc | cacatcagcc | gctgtattct  | tccagtatga  | 3008520 |
| aacaataccc  | gaaggcaaca  | acgaaagcat | cgaatccggc | cagattttgtc | cgcttccatt  | 3008580 |
| tacgcgcaac  | cactcgtagt  | taccgttgaa | tacaaatcca | aagccattgg  | gcaatgcggc  | 3008640 |
| agacacaagc  | ggatgactgt  | aatcatgggt | ccacgcgata | gtcatctgat  | gcacctctgt  | 3008700 |
| aaaataattc  | ttcaggaaat  | cctgaaccgc | accgatttta | atgacaaaac  | ttttctcacc  | 3008760 |
| ctcataagta  | caaagcgctt  | catcaggccg | gacctgcaag | gtatagtaat  | tctttttgtc  | 3008820 |
| gcaggagatt  | gatgtgattc  | gtgcatccgg | ctcatactca | caaacctgag  | ttcttacttt  | 3008880 |
| ctgaggcaac  | aaatcgagta  | cggctctcgg | cagttccgga | aacaacattt  | ccccgtcttc  | 3008940 |
| ggctactgac  | accctgtcaa  | attctccgct | caccgacatc | cattccccct  | ccttgtcgaa  | 3009000 |
| gagaagcaga  | tatgtatcgt  | ctatccacac | ccgataagcc | ggcatggcag  | cactcagagc  | 3009060 |
| ctccggtccc  | aagataatcc  | gtgtgaccgt | tccttccgga | aaagctttcg  | atatgcagtc  | 3009120 |
| tttcaccttt  | gccggtaaat  | attcttctcc | ggtttctgca | ctgtattcat  | agcccagaca  | 3009180 |
| acgactccct  | tcatgctgga  | ataccagcct | tctaccgtca | ctcagttcgg  | cactgacacc  | 3009240 |
| ttccttgacc  | gcataaacag  | ccgatacaga | tatctcacca | aactttgctt  | ccataaagtc  | 3009300 |
| gtacatctct  | ttcagaaact  | tacgcgcaaa | aatctgcatt | cctgcatcag  | gaaaggcaac  | 3009360 |
| ctttttccac  | acccctcgtt  | gagtaaaatc | cacctccaca | ttgttcgaca  | agacgacatg  | 3009420 |
| atatcctccg  | tccccctcgc  | ttaccctgta | aatccgttca | atcattgctc  | cagagaagcg  | 3009480 |
| tcctgatata  | aacaacgata  | tatcggaagg | aacctcttgc | acagaaacag  | tctcctccat  | 3009540 |
| atcatcacca  | gaacaggaag  | taaccacagg | aagcactcca | cataaaaacga | gagtcaaata  | 3009600 |
| gcataaatag  | aacagcttct  | tcataagtcc | gcagaattaa | gtcgttaaag  | ttaagcattt  | 3009660 |
| tagacgaaag  | aaacgaactt  | ttcttggtta | aaagcagaca | aattccgaaa  | aggccttcac  | 3009720 |
| accggtgaaa  | aaagaccgca  | agaaacgacc | tgccgtttgt | acaaaacatt  | ttaatttttg  | 3009780 |
| tacaaatttc  | ccgatgtttt  | gtacaaatct | ccggaaagac | tccggcacia  | catctacata  | 3009840 |
| acctgccgat  | attttctctt  | ttacttctcc | atcttttttc | gggaacaatt  | acaacaaatg  | 3009900 |

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|            |            |            |            |            |             |         |
|------------|------------|------------|------------|------------|-------------|---------|
| caattcactg | gcaataccga | aagcctgagc | cgagttactt | acctgtagct | tctgcaagat  | 3009960 |
| attttgtctg | tgacgactaa | tggtatgtac | actgactgac | agttcatcgg | cgatctcctt  | 3010020 |
| gctcgactta | cccatcccta | tcaatgccag | aatttctttc | tcccgccttg | aaagcaaadc  | 3010080 |
| ggagcagtcg | taagtatcaa | tatccatgcg | ggttccatcg | accgaattca | cgattccggt  | 3010140 |
| tcttcggaaa | ggtatatcgg | acagattata | cagacataag | gccagacaaa | tatttcggtt  | 3010200 |
| atcctgtgct | acgacataaa | acatccgatg | caggaccagc | caatatttcc | cccagccatc  | 3010260 |
| gcgcattttg | agatattcct | ccagatagta | attgctgcgt | tcctgctctg | gaaggttctt  | 3010320 |
| cagaaaaatg | aggaaacgta | attcacgggt | atgctttttc | aacagatcat | cgggataaat  | 3010380 |
| ccggccgaaa | atgtcttctt | cccagataga | atcaataaca | tgacatgctc | cccgcaaagc  | 3010440 |
| gattcccaac | gattcaccta | ccttcccata | aaaaatatag | ctccggttgg | aaccatatac  | 3010500 |
| actcaatact | gcgattgaat | tctctacttc | ggcatacatc | gaagccacct | gcttataatg  | 3010560 |
| catcagatac | tggttcaggt | tgtcatcgcc | ggcaaaatcc | tgttcgagca | gctcattatt  | 3010620 |
| cagtttcttc | tttatattca | tagtatcaaa | ggatagcgaa | aattgggtat | ttatcagtat  | 3010680 |
| tgatgctttc | cacagggaaa | gctacttttg | caaaataata | gaaaaagttt | cacattataa  | 3010740 |
| atctataagt | ttatgaaaaa | gctcttttta | gctatttctc | cttttataag | cacacaagct  | 3010800 |
| atggcacaga | cgctggaaaa | aatgcaatgg | tttaatgaac | cggaaaactg | ggaaataaca  | 3010860 |
| gacaatacct | tgagcatgtc | tgtcactccg | cacagtgact | actggagaat | ctctcactac  | 3010920 |
| gggttcactg | tagatgatgc | tcctttttac | tacaccacct | atggagggga | attcgaagtg  | 3010980 |
| aaggtaaaaa | ttactggcga | ctacaaggtc | cgtttcgatc | aggctggtct | gatgctccgc  | 3011040 |
| atcgacaagg | aaaactacat | caagaccggt | atcgagtttg | tcgacggaaa | attcaatctg  | 3011100 |
| agtacggttg | ttactcatca | cacaagcgac | tggagtgtca | ttaccctcga | caagcctgta  | 3011160 |
| ccttacatct | ggataaaggc | agtcagacga | ctggatgccg | tagaggtatt | ctattccttc  | 3011220 |
| gacgacaaga | cttacgtgat | gatgcgaaat | gcattggctg | aagacaacac | cccagttcag  | 3011280 |
| gttggtctga | tgggagcttg | tcccgcaggt | gaaggattca | acgtaaaatt | cgaaaaacttc | 3011340 |
| aaagtaactc | atctgccaga | ccagcggaga | atggaatggc | tgaagaaaaa | tgctgaataa  | 3011400 |
| aaagaatcct | gctttgttgt | tttaagccaa | aaccaaagtt | tcatatttat | cctacaggcg  | 3011460 |
| cagggctttc | ttccaagatg | agccctacgc | cttttatcgt | tttcagctgt | accgtactgt  | 3011520 |
| cggaaagca  | cattttccgt | aaacgtgaaa | cgaatacatc | cagactacgc | gatgcaaaat  | 3011580 |
| agtcgtcatc | tgtattccac | agccgttcca | aaatagcctc | acgtttgacg | accttatttt  | 3011640 |
| tgttttcaca | caaaatacgc | agcaaagccg | cttcacgctc | ggtcagcgtc | cgttcctctc  | 3011700 |
| ctcctgtctg | tttcagcaag | gcatgcccg  | cttcaaaaat | aaaggagctg | ccgatatgga  | 3011760 |
| acttttcttc | ttcatttgcc | agtcttattc | ctctggtgag | tttcagcaaa | gcaaggatat  | 3011820 |
| gtgcgttcaa | ctcttcggca | agaaaagggt | tcttgatgta | attattcaca | cccagttcat  | 3011880 |
| agccttttac | cacatccttg | ggagaaacac | ggccggaagt | gaacagaata | ggtgtcacat  | 3011940 |
| cgtccgtttc | gcggatacgt | ctcaccattt | cgtatccatc | catcaccggc | atctcgatat  | 3012000 |
| cggcaacaat | cacatcggga | tgtgcttcct | tccatatctt | cagtccggtt | tcaccattgt  | 3012060 |
| cggccgtcac | cacctcgtaa | ccgcctatca | tatcctccag | tccgccacgt | atgatgtagc  | 3012120 |
| acagattggc | atcgtcttct | accagcaata | atcgtatcat | tgttccatta | tcattattca  | 3012180 |
| ttgttcttct | tcgggcaact | ttctttcggc | tgcattttct | tcagcgggaa | gatagattgt  | 3012240 |
| aaacttgctg | tactctcctt | caatactttc | cagcgttacc | ctgcccccat | gagcttcgac  | 3012300 |
| tacccgcaac | acataattca | gtcccagtc  | gaaacctgcc | ggacctccgt | accgacttct  | 3012360 |
| gcctgctgcc | gaggcacgtt | cgtacttctc | gaatatcttg | ctctgggtct | tcagcgggaa  | 3012420 |
| accgaagcct | gtatcgtgca | cctttatata | atcttcccc  | ggaagccttc | ccgaagaaaa  | 3012480 |
| ggttattttc | acctcctccc | ccgaataact | cacggcattg | tcaatcagat | tgctgagcgc  | 3012540 |
| ttctttcagg | aactcctcat | cggcataaac | agtgtcggcc | tgcaaatcc  | atcgataagt  | 3012600 |
| aatatgcttc | aaggcttttg | ccttatattt | ttcggcgagg | tcttcagca  | tcggacgaag  | 3012660 |
| gctacacgtt | tctttttcta | acttcaactg | gtggttttcc | agtttagaga | gggtaagtac  | 3012720 |
| cttgtttgtc | agcgagagta | aatgctctcc | ctcttctttc | aatatccgga | aataacgggc  | 3012780 |

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|            |            |            |             |             |             |         |
|------------|------------|------------|-------------|-------------|-------------|---------|
| tttcttttcc | gactgggcat | ccagctttcc | ggtttccagt  | atctgtgtac  | ccatcagaat  | 3012840 |
| ggaactcaag | ggagtcttca | tatcatgaat | catggcatac  | gaaaagtctt  | cccgcagttt  | 3012900 |
| agctatctta | tcctgacgga | caataatgcg | tatttgatat  | atgatgcaga  | ctatgaccag  | 3012960 |
| tatcataatc | agtacggtag | caagcaagag | taatgtcatc  | cgctgaaaaa  | tcaccaataa  | 3013020 |
| cggattggta | atgactcctt | gtaaaaagcg | atttccgctg  | aggctgatgg  | gaagaggcga  | 3013080 |
| ggtacgcaat | atacctttgc | catttatatc | gaatcggctg  | gaggacttga  | taaccaacc   | 3013140 |
| ggttgagtcg | acaatacacg | acgcgacagc | cgcaaaaaa   | cctatcgagt  | cgagcatgtg  | 3013200 |
| cgtataaatg | gagtccaggt | ccgtaaacga | aacatcccga  | ttaaaatctt  | tcagagcaat  | 3013260 |
| ttcctgaaac | gaaacatgca | tgtagctcat | cagccattgg  | ccgggggttag | acaggggttc  | 3013320 |
| catactcttc | tcggcatcga | agttgacgct | cattgtaacc  | gtggagtctt  | tctttgtctt  | 3013380 |
| agatacgcgc | agaaaaacct | cttgtaaggc | tgcttcggga  | aacagttcct  | cccctttcat  | 3013440 |
| ctgaatgctt | tccttggtca | gcttatatgt | gttgacaagc  | catacgtatt  | gcagctcaac  | 3013500 |
| aatagcaata | agtcacacca | cagcaatcca | acggatatgt  | tttatctcca  | taagtcgtac  | 3013560 |
| attaacgtaa | cattaacctg | cccttaacct | agaaagccgg  | tcgggctctt  | tactttcgca  | 3013620 |
| ttgtcaaaga | tatagaaaat | aacccaatgc | tatttgatat  | gaaaatctat  | tttttaatga  | 3013680 |
| gtatcttctt | gctggcagga | ggctcaggca | gcctgacggc  | acaaaccgtt  | tcgggtaagg  | 3013740 |
| ttgtcgatac | agaacagcag | ccagtagacg | gtgcaacgat  | cattttacag  | acttccgact  | 3013800 |
| ccgttttcgt | ggatgcaaca | atttcaaatg | ccgacggaaa  | ctttgtattc  | aatcatcagc  | 3013860 |
| cggagctta  | tcggctcatt | tttcagcatc | tcttatatca  | tacactagag  | aagaaaggta  | 3013920 |
| aaggaaaaga | tgaggcatc  | accgtaatgc | aggcaaaaga  | ctatgcgctg  | gatgaggttg  | 3013980 |
| ttgtacaagg | agaacgaccg | ctggtcaagg | tagaaggcag  | ccgcctgacc  | tacgatatgc  | 3014040 |
| ctcaacttac | ggccaataag | ctggtgacga | gtgtatacga  | tgctttaaaa  | caactgccgg  | 3014100 |
| gtgtcatgga | acaaaatggc | gtgttgacgc | tggcgggagc  | cggagagtgtg | agtatcattt  | 3014160 |
| taaacgggaa | accgacatct | atgacttacg | aacaactcat  | tactttatta  | aagggaatgc  | 3014220 |
| ctgcatctcg | tgcaaacag  | gcggaagtga | tgtacaatac  | tccccgcaa   | tatcacgtgc  | 3014280 |
| ggggtgctgc | aatcaatgta | atactaaaag | gttataagcc  | gggagaagga  | ggactgcaag  | 3014340 |
| gagaagtga  | gggcagttat | gtacaggcag | ataaggcggg  | aggagaagga  | ggtgtgacat  | 3014400 |
| tggcttattt | atctcccaag | atagacatag | actttatgta  | caatctcaat  | gacaactata  | 3014460 |
| accgtcaggg | acataaacta | gttactcgcc | atacatataa  | ccatgaaata  | cacaacatca  | 3014520 |
| gtcagacaac | aaatggagaa | agccgggatt | taattcatac  | attacggttg  | ggaagcaatt  | 3014580 |
| ataagttcga | cgaacacaac | cagctcgaac | tgagttatac  | ttccagcctc  | caccctgata  | 3014640 |
| aacagcaatc | ggttacttca | ttggataata | cttcgactac  | cttcaaccat  | gctccggccg  | 3014700 |
| aaggacagat | gcataacgta | gctctgaact | atacctccgg  | cttcggcctg  | acaggaggca  | 3014760 |
| tcgactatac | ctatttcagg | aataaagaaa | agcagtcttt  | ccaaagtaaa  | gaaacgaatg  | 3014820 |
| gacaagaaac | ggcattttct | agcaacgcga | ctcaatctat  | aaaccgatgg  | aagggtatatg | 3014880 |
| ccgatcaaa  | ccatacgctt | cccaatgagt | gggtgctgaa  | ttatggaact  | tcttttgctg  | 3014940 |
| atgtaaacaa | ccgtaattca | caagtgtacg | acctcgctga  | gatgagcgga  | atgaacacaa  | 3015000 |
| aaaatcaaat | tgacgaatat | acctataacc | tttatgcagg  | tttcgaaaag  | agttttggca  | 3015060 |
| atcactggaa | cctgagtgca | gctgccacca | tggaaatatta | tcagatgatg  | agctataaaa  | 3015120 |
| agtgggccgt | atacccgaa  | ttgaacttga | gttatgtact  | ttccgcatca  | catatcttcc  | 3015180 |
| agtttgagtt | cagttcggac | aagacttatc | ccgattactg  | gacactaagc  | ggatcgaccg  | 3015240 |
| gctatctcaa | caactaccag | gaaacagcag | gaaatacatc  | actcaagcct  | tataccgatt  | 3015300 |
| actctgctgc | cctgacgtac | attctgaaaa | gcaagtatat  | cttcagctc   | agctacgatt  | 3015360 |
| acattaaaga | ctacttcatg | caaagtatat | atctcgactc  | cagccggcta  | aaagctgtat  | 3015420 |
| acaattatca | gaactgggac | tactcccaa  | tatttgcttt  | tacttctgtt  | atcccattca  | 3015480 |
| agaaaggaga | acgatgggac | agtcagctga | tgctatgcct  | gtcttcactg  | catcatcggg  | 3015540 |
| caagcaacta | ctacgatgct | cctttcgacc | gcaaaatatg  | gaacatagct  | ggaagctgga  | 3015600 |
| ccaatacgct | tatcctcagc | aagcgcccca | atatcaagat  | ggaaatcagt  | gcgaccggca  | 3015660 |

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|            |             |             |            |             |             |         |
|------------|-------------|-------------|------------|-------------|-------------|---------|
| cttccaagtc | catacaaggg  | agctatacca  | tacaacctgc | cgcattcatc  | catgcagcac  | 3015720 |
| tccgttatac | ttttgcagaa  | gataaagcta  | tgattcaaat | caaaggaaat  | gattttattta | 3015780 |
| acggcagcaa | ccacctgaag  | acgaaagtcc  | gcaatggcga | tcagattctg  | gatattggata | 3015840 |
| ttgccaatta | tatgcgtaac  | tttactgtat  | ctttcagcta | taaatttgga  | gggtacaaga  | 3015900 |
| aaaaggaagt | aaaggatgta  | gatatttccc  | gtttcaagca | ctgacaagtc  | ggtcggtcct  | 3015960 |
| cctaaaaaga | aattcagttt  | accaacctca  | gccagcatga | gaactgcaat  | aaaaagagca  | 3016020 |
| gcaggcatac | cagtcactat  | ccagaccggt  | atgcctgctg | ctcctatctt  | acttattata  | 3016080 |
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| cttcggtagc | ctgtgtataa  | cgtactaccg  | gtcgtttcag | tttcccgatg  | atttcctgca  | 3016500 |
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| gatttctctc | tttaaagctt  | tcaaccaacg  | gcaactcctt | ggcctgatta  | cgtattttcca | 3016680 |
| gcactcggtc | gaaacgagta  | tctcccacaa  | ccgttgtacg | agtgacgccg  | ataccttcca  | 3016740 |
| gcagacggac | agattcttca  | ttctgcacaa  | aaagatgatc | gaaacatttc  | aatacgtttt  | 3016800 |
| tataactgct | tccgtaccaa  | cggaaaaaaa  | tctgtttcgg | tcggaagata  | gatgatacgc  | 3016860 |
| tatataccgg | aatattacga  | cgcttcagtt  | cactcaaata | attacgccag  | aattcatatt  | 3016920 |
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| agtcgagcgg | caagtagcat  | accacatccg  | cacccttata | atccttacga  | acctcgtacc  | 3017040 |
| ccgaaggaga | gaaaaacggt  | tgtagaatct  | tatattgcgg | atattgctgg  | cgaatccggt  | 3017100 |
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| taacaaaatt | ataaatcatt  | tctgcttttt  | atttgagtac | ctctactgca  | cgacgcatac  | 3017340 |
| gtctaacagt | ttcttcctta  | cctaatacag  | ccgagatata | aaacatgtga  | gggccttttt  | 3017400 |
| cttcgcctac | cagtgtcaga  | cgggaaggcat | tcatgatatt | tcccatgtgg  | taaccgtggt  | 3017460 |
| cttctatcca | cttcataacc  | acttcttcct  | gatgagccag | tgagaaatcg  | tcgagtgatt  | 3017520 |
| caagcaggtc | ggccagttcg  | gtcatacgaa  | cagctgaatc | ttcctttccaa | cgtttcttta  | 3017580 |
| cagtcttttc | atcatactct  | gtaggagcta  | cgaagaagaa | cttgcaagta  | tcccacaatt  | 3017640 |
| ctttgatgaa | gctgacacga  | cctttcatca  | aacctactac | agtcactact  | gtttccatag  | 3017700 |
| gagcttcgat | gccgtgttct  | ttcagaatag  | gcataaacia | agaagcaatt  | tcttcgtcgc  | 3017760 |
| tcttcatcag | gatataattcg | tggttaaacc  | atttaccctt | ttcataatcg  | aacttagctc  | 3017820 |
| ctgccttgct | acaacgatgc  | aggtcgaaca  | acttgatcag | ttcgtccatt  | gacatgattt  | 3017880 |
| cctgatcggt | tccaggattc  | catcccaaca  | aagccaggaa | gttgataaca  | gcttcgggca  | 3017940 |
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| acgggaatac | cgggaagccc  | agacgatcgc  | cgtcacgctt | gctcaactta  | ccgtttccat  | 3018060 |
| ccggtttcaa | caacaacggc  | aggtgggcaa  | attcaggcat | cgtatcttcc  | caaccaaacg  | 3018120 |
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| cggccgactt | gtacaaaact  | ttatcatcca  | gaatagaaga | gttgatcact  | acctctccac  | 3018300 |
| gaataatatc | gtgtacatgt  | acatcttcgt  | tcggttcgat | cttgaaacgc  | actacgtact  | 3018360 |
| gagtaccgtc | ggcaatcagt  | ttatcgacct  | cttccttcga | cattgtaagt  | gagttacgca  | 3018420 |
| tcgaattacg | agtagaagca  | tcatactgga  | agtttggaat | ttcctttctc  | ttggcctcca  | 3018480 |
| gttcttccgg | agtatcgaat  | gcgatataag  | ccttgccggt | atcaagcagt  | actttttacat | 3018540 |

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| cacccggaac | aaaacgggtg  | gaatcagtat  | cttcaatacg  | gaaaatcaaa | tctccgccgt  | 3018720 |
| gctgacgcg  | aaacagataa  | ttatacaagg  | cagtgcgcac  | accaccgata | tgcaatgcac  | 3018780 |
| ctgtcggact | cggtgcaaaa  | cgaactctta  | cttttctttc  | tgccatagtg | gtctttatct  | 3018840 |
| aaaaatacgc | cgcaaaatta  | agctaaat    | cccgtttttt  | tcttattttg | cacgcaaaat  | 3018900 |
| atcctaacac | atgaaaagtt  | tccagacaga  | aagacagttt  | tcatacaaga | aactattgta  | 3018960 |
| taaatgtgcc | attttcctgg  | cagcagttgt  | ggtgattgtg  | tattttttac | cccggaag    | 3019020 |
| cactttcaac | tatcagtttg  | acatcaacaa  | accatggaaa  | tatggtctgt | tacaagcatc  | 3019080 |
| gttcgacttc | cctatctata  | aaggagacga  | agaagtccgc  | cggaacaag  | acagcattat  | 3019140 |
| gacaaactat | cacccttact  | tcctgctctc  | ggaaagtacg  | ggagaaaaag | cgatcaatca  | 3019200 |
| gttcaaagag | gactataaca  | agaacctgcg  | ccgaattatt  | ccggaccgga | cttattccca  | 3019260 |
| ccacatagaa | cgcatactga  | agaacgtata  | tgaaaaggga  | atcatcccgg | tagaacaact  | 3019320 |
| gggaaattta | cggaaggaca  | gtatgcggag  | tatctatatt  | atcaagaaca | atacatctat  | 3019380 |
| cctgcaaagc | accggtgaaa  | tatataccac  | caaactgtgt  | tacgaagagc | tcatctattc  | 3019440 |
| ggatacactg | cattacaaca  | gaaacttatt  | gcagcgttgc  | aacttgaatg | agtatctgac  | 3019500 |
| tccgaacctt | atctatgatt  | ccgaaaaatc  | ggaagctgcc  | aaaaaagata | ttctgtcggg  | 3019560 |
| catctcatgg | gcgaagggtt  | ttgtcatgaa  | cggacaaaaa  | atcatagacc | gtggagaaat  | 3019620 |
| tattgaccaa | cggacatttg  | atatattgaa  | atcgtcccaa  | aaggaatggg | ataaaagagg  | 3019680 |
| tgaaaccatt | acggagaaac  | gtctgactct  | ggtaggacaa  | atcttatttg | tttctatcct  | 3019740 |
| gataggatgt | ttcatgactt  | atctcgcttt  | gttccgatac  | gattattatc | agaaaaaagg  | 3019800 |
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| ttcacacgct | ttcatgagtg  | tgtatatcgt  | accgtttacc  | atgctcccga | tgatcatccg  | 3019920 |
| tatttttctc | gactcacgta  | cggcatttat  | ggcacatatc  | atctccattc | tgctctgttc  | 3019980 |
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| ctaccggttg | ttgttcattc  | tggaaaagac  | cttcggcttt  | acatcgaacg | taaccttagt  | 3020280 |
| cgagctttct | aacatcaaca  | ataagctgat  | gcgggagatg  | tcggaagttg | ctccagggtac | 3020340 |
| tttccagcat | tcgctccaac  | ttgccaactt  | gacggcagcg  | gcagctaata | ggatcgatgc  | 3020400 |
| caacagtcag | ctggtacgta  | caggagccat  | gtatcatgac  | atcggaagaa | tgctgaatcc  | 3020460 |
| ggctttcttc | accgaaaatc  | agacaggggt  | caaccctcac  | gaccagttga | attacaagca  | 3020520 |
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| cctgcctcag | gtcatcaaag  | actttatccg  | tacctatcat  | ggaaagggac | tgacgaaata  | 3020640 |
| tttctacata | tcttatcaaa  | acgaacatcc  | cgggtgaagaa | gtcgataagg | aagctttccg  | 3020700 |
| ctatccgggg | cccaatccgt  | ttaccaaaga  | acaggccatt  | ctgatgatgg | cagattctgt  | 3020760 |
| agaagcagcc | tcaagaagtc  | tgaagaata   | caccgaagaa  | agcatatccg | gactggtaga  | 3020820 |
| caagataatc | gacagtcagg  | tacaagaagg  | atatttcaag  | gaatgcccg  | ttaccttcaa  | 3020880 |
| ggatatcgct | actgtaaaaa  | gtgtattcaa  | ggaaaagctg  | aaaacgatgt | accatactcg  | 3020940 |
| tatcagctat | cctgagttga  | aaaaataagt  | tatggctggg  | cagtcagact | gtcgagcaga  | 3021000 |
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| taagggtcgg | gtacataatc  | taccaccttc  | gtctggcaat  | aatcagtcac | ccggccgatt  | 3021120 |
| ttccgttctg | tttccacatc  | cgggtgccttt | tctttcaagg  | catcgacggt | gtgggtcatcc | 3021180 |
| atgcccaata | tcagggtcgaa | atcataaaaag | tcatcggtac  | ggaccggagc | tgaacggtgc  | 3021240 |
| gttatatcat | acccgcgacg  | aatggcatgc  | gcacgcattc  | ggtcgtcggc | tcgttctcct  | 3021300 |
| tcgtgatagc | tactaatacc  | agctgaatca  | acttctat    | ctttctccag | accagcctgt  | 3021360 |
| ttgatataag | tacgcataat  | ctcctcagcc  | gatgaggaac  | gacatatatt | gcctaagcag  | 3021420 |

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| gtattcataa  | tcagttcttc  | tggaaactcc | gcttcattca | ccagttccaa  | tgcgtaatcg | 3021540 |
| tacgtagcaa  | tgtcaaata   | aatatgcgca | tcgctaccca | aaataaccgg  | cacctcataa | 3021600 |
| cggcggcaca  | gtctcaatat  | ttccagatta | ttggagcggg | catccacttt  | gccccggcaa | 3021660 |
| ggcttcaagg  | aagaattggt  | tatctccagc | agcgtatgat | gttccttcgc  | cgcaagcaca | 3021720 |
| ataggttcaa  | aattcagttt  | agccgttccg | tcgcccggat | gactgatgat  | atgaatataa | 3021780 |
| ggattggaaa  | caacctgtat  | cataccatgt | gtattttctt | caggagtacc  | ttgtttataa | 3021840 |
| caaagtgaat  | gaatgcctgc  | tatacgcaa  | tcgagcatct | tcaaataaaa  | ctcatccaaa | 3021900 |
| tcaaggttac  | catcaccgtc  | aagaatatta | atctccgcac | ccaataataa  | atctatccca | 3021960 |
| tacatgtggc  | gaggcaccac  | ataaagatta | cggaaataaa | tcgggttgca  | cgtacccggt | 3022020 |
| atacttggag  | catgttctgt  | gattccaagc | aatttcagtc | ctttgccggc  | agcagcctgt | 3022080 |
| gccatttcct  | gcaaggagct  | gaatgcatga | ccgcttgcta | cggatgctgt  | atgtacatcc | 3022140 |
| agttctactt  | tcatatccat  | aaattttaca | tcggatcgac | atcataataa  | accagcaagg | 3022200 |
| aacgaaaacg  | ttcatcctct  | atgatggctc | gttgtacttg | ctggagatac  | tcacgcactt | 3022260 |
| tcgacatcga  | agcctgttgt  | tctattttca | ctactatfff | tctaataaac  | aaagtctgta | 3022320 |
| tacgtgatac  | cggcggacgg  | tctgggtcca | atacccggtc | ccccagtcgg  | tttcgcagat | 3022380 |
| accccgccat  | caggtcagcc  | gcctgttcga | gcactccctc | cttcgatgc   | ttcagataaa | 3022440 |
| cataaatcag  | tcgataaaaa  | ggtggatatt | taaacaagcg | tcgttcgtca  | atctgtgttt | 3022500 |
| gatacagacc  | gttataatcg  | tttgcaacga | cctgatgaat | cagcggagg   | tcgggagatt | 3022560 |
| tgtgtgcaa   | caccaccagt  | cctgtcttat | tctttctacc | ggcacgccc   | gccacctgag | 3022620 |
| ccatcagttg  | aaaggcccg   | tcgtacgaac | gaaaatccgg | atagttcaac  | atcgaatcag | 3022680 |
| cattcaggat  | tcccactaca  | ctgacacgat | cgaaatccag | tccctttgaa  | accatttgtg | 3022740 |
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| taatatcgtc  | ttctatcttc  | tcagtaccaa | agccacgggt | catcaactct  | actccaccac | 3022920 |
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| tccgtttctt  | tcggggccagc | tctttgatat | ctactacctc | gatatgaggt  | aactgaatct | 3023220 |
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| gttgctgagc  | catgtcgaac  | ggattcaagc | cgactgtttc | aacaggacct  | tcggacaaac | 3023820 |
| gtccgatttc  | gaaagtataa  | gtttcaaaaa | tatgtttttc | caccagccc   | ttaaaaactg | 3023880 |
| aatttggtgc  | tcccgtagca  | tccaacaag  | ctttacgaga | gacttctttg  | ggatttttct | 3023940 |
| tctcgccgcc  | ccatcctgac  | aactcaatat | acttcatcag | taaagccaat  | tgtttcggag | 3024000 |
| cacgtgccag  | tgtttcgaac  | agacgatgta | cagtttcttc | cgcctgcata  | ccttcagtca | 3024060 |
| ggcgtacccg  | cacctcaaca  | cgcggttgt  | agcttctctt | cagctcctct  | tttaccctga | 3024120 |
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| tctccaattg  | ggtaatgcat  | tgttccgaat | catcggacaa | caaatcaaga  | atgcgctgtt | 3024240 |
| ctttctcggg  | cagaggcttg  | tctgcctcaa | actcaggatt | ggataccacg  | agcgtttcgc | 3024300 |

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| caagtacttc  | tacaagatct | tttgtttcat  | aagtttccgg  | agcactctga  | tgtacgctag  | 3024480 |
| taacaattgc  | cgtataaaac | ttcttacttc  | cgaaggaac   | aacaatccgg  | caaccgcct   | 3024540 |
| tcactttatc  | ttccagatca | gccggaacag  | aataagtata  | ttgtccggca  | acgggcaaag  | 3024600 |
| gcactatgac  | atccacgtac | ttcttcatgg  | aggcaaagtt  | acaaaaaaca  | aggctatccc  | 3024660 |
| gttggaacgt  | cggacaaact | tttatagttt  | tgtaaagaaa  | ctcttaatcc  | attatcaaca  | 3024720 |
| tgaagatata  | taagataggt | ataataggtt  | gtggaggcat  | cgctaaaaaa  | atggcagcaa  | 3024780 |
| cacttggaag  | gatgaaagaa | gtgcaacgtt  | atgccgtagc  | atcccgcgat  | caggaaaaag  | 3024840 |
| cacaagcctt  | tgccaacgaa | tggggatttg  | aaaaagcata  | tggctcttac  | gaagaactgg  | 3024900 |
| caaacgaccc  | gcaggttgat | ctaactctata | ttgctacacc  | acatgccatg  | cattatgaca  | 3024960 |
| atgcccgcgt  | gtgcatcgaa | aaagggaaac  | ccgtattatg  | tgaagaggct  | ttcacagcca  | 3025020 |
| atgcccgtca  | ggcagaagaa | ctactcagct  | ttgccacaga  | aaagaaagta  | tttattacag  | 3025080 |
| aagcaatctg  | gacccgatac | atgcctcttt  | cactaaccat  | acaagacttg  | actagtccta  | 3025140 |
| aataaccgtt  | acagttattg | gacaaaaata  | aattattttat | cacagttcag  | caaggtcagt  | 3025200 |
| cttgctgaac  | tgtttgtttt | tgtaactttt  | aatttttaatc | agcttctgat  | gatgcatata  | 3025260 |
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| atccccttatt | acctgtttca | tatctgatag  | cggtagatta  | agttcctcaa  | gcaggaactc  | 3025380 |
| ctgttttagt  | attccggtta | ttcgttctgc  | cacggcatta  | gcgtacggat  | cgtaagattc  | 3025440 |
| agtcattgctg | ggtatgatgt | gatattgtcc  | cagtaatttc  | tgatatgcat  | cggaacagta  | 3025500 |
| ctgtatacca  | cggtcagagt | ggtgtatcaa  | tggcgtgtcc  | ctatacagtc  | ggttgcggtt  | 3025560 |
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| tacaagattc  | ttgtgcttcc | gaaaccggtg  | atgcgagttg  | gttgttacat  | gatatgaacg  | 3025800 |
| tacgggcttt  | ataagcagac | ggttggcagc  | gagtatatcg  | aacagtttgt  | ccctgcctac  | 3025860 |
| cttgttctcc  | ttaaagtggc | gatgaagcat  | atgataaaat  | ttgcgggttc  | ctacacgtgg  | 3025920 |
| cagttccatt  | cggatatctc | gtaccatgcc  | cacaacatca  | gtggcccttt  | gccggcctcg  | 3025980 |
| gattatcttc  | cattgctgac | ggtaatatct  | ctgcctgctt  | atcccagagc  | gtcggcagat  | 3026040 |
| tccgctgata  | cttacggatt | tttcttcttt  | atattttattg | actgttcggg  | agaggagttt  | 3026100 |
| tttcgtatgt  | cgatattata | ttccttttcc  | gctatgtcta  | tcacatgtc   | gaaaaactct  | 3026160 |
| gctttcatat  | ccttcagctc | aagctccttt  | tccagacggg  | cattcttgcg  | ttccaggaac  | 3026220 |
| cttactttct  | ggtgtagttc | taacagtttt  | tgatccttac  | tcttttccat  | agaatggtaa  | 3026280 |
| catttgtttg  | tgatatcaaa | gttaccatat  | ttttcaatcc  | aacggctaata | agttgaacat  | 3026340 |
| ccttgatcc   | catattttcg | tttcagcgct  | cccaaactta  | tttttgtggt  | ttcatactct  | 3026400 |
| tgactactg   | atagtttaaa | ggacatactg  | taatcttttt  | gtgtgcgctt  | aacgtacttt  | 3026460 |
| gtttctgtct  | tttcataat  | gttacctttt  | ttgttgtaac  | gctattttcag | gactagacat  | 3026520 |
| aggatgaaat  | aaaagaagag | gttgtaaact  | aaatgtttac  | aacctcttct  | ttttgtggac  | 3026580 |
| cagccagggc  | ttgaacctgg | gacctccaga  | ttatgagtct  | gttgctctaa  | ccaactgagc  | 3026640 |
| tacaagtcct  | aatataaggg | ggctccttaa  | atctgagtgc  | aaaagtaata  | gattagcctg  | 3026700 |
| aaacttgcaa  | catttatgga | gattttttta  | taaaaaaaac  | taagtctgta  | caggcatatc  | 3026760 |
| aatatatatt  | gtatttttgt | gctacttaat  | caattaataa  | ctaggcatta  | tgtcaciaaag | 3026820 |
| cacaaatgaa  | ccacatctga | ccggactgac  | cgatcaagag  | gtcatagcga  | gccgggagaa  | 3026880 |
| aaatggaatt  | aatctgttga | ctccccccaa  | acgtccttcc  | atctggaagc  | tatatctgga  | 3026940 |
| aaaatttcaa  | gacctgttaa | ttcgcgtagt  | gctggtagct  | gcggatttct  | ccctgattat  | 3027000 |
| ttcaatcatc  | gaaagcgaat | atgccgaaac  | aatcggtatc  | ttttttgcaa  | tcttcctcgc  | 3027060 |
| tacaggtatc  | ggattttatt | ttgaatatga  | tgctaataaa  | aaattcgacc  | tgctgaatgc  | 3027120 |
| tgtgggagaa  | gaaacccctg | taacggttat  | ccgtaacgga  | aaaatcaaag  | aaatacctcg  | 3027180 |

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|             |            |            |             |            |            |         |
|-------------|------------|------------|-------------|------------|------------|---------|
| taaagacatc  | gtagtaggcg | atattgttgt | gctgaataca  | ggagaagaag | tccctgccga | 3027240 |
| cggaacactg  | gtggaagccg | tttactgca  | agtcaacgaa  | tcaactctta | ccggagaatt | 3027300 |
| gatggtgaac  | aaaaccaccg | ataaggcaca | ttttgatgag  | gaagctactt | atccgtcgaa | 3027360 |
| tgccgttatg  | cgcggaacga | ccataaccga | cggacacggt  | atcatgctg  | tagaccgtgt | 3027420 |
| aggcgatgcg  | acagaaatcg | gtaagggtgc | acggcagtc   | accgaacaaa | gtcaggaaca | 3027480 |
| gacgccgctg  | aatatccagc | ttaccaaact | ggcaaacttg  | attggtaagg | cagggtttac | 3027540 |
| aattgccgca  | ctgactttta | tcgtttttac | cagtaaagat  | ttatatagtt | ttatcacttc | 3027600 |
| agaaaaatttc | attggcatta | acgattggca | ttcatggctg  | gagatagcac | gtatcgtatt | 3027660 |
| gaagtacttc  | atgatggctg | tcaccttaat | cgttgtagca  | gtacctgaag | gactgccaat | 3027720 |
| gagcgtaacc  | ctcagcctcg | ccctgaacat | gagacgcatg  | ctgaaaacca | acaacctggt | 3027780 |
| tcgaaagatg  | cacgcctgcg | aaacaatggg | tgccatcaca  | gttatctgta | ccgataaaac | 3027840 |
| aggaacactt  | actcagaacc | tgatgcaggt | atacgaagct  | caggtagatg | aaagccagcc | 3027900 |
| cgatctggta  | gcagaaggta | tagctgctaa | ctcgaactga  | ttccttgaag | aaaaggctga | 3027960 |
| aggcgaaaag  | ccttcaggag | taggaaaccc | gacagaaatc  | gcccttttgc | tctggttgaa | 3028020 |
| cagcaaagga  | aaggattaca | tgaaactacg | cgaagaagcc  | aaagtagtca | accagttgac | 3028080 |
| cttctcaact  | gaacgcaaat | acatggctac | attagtcgat  | tcaccgattc | agaagaaacg | 3028140 |
| gatactttac  | attaagggag | ctcccgaat  | cgtcatgagc  | aaatgtaatc | tggaagaggc | 3028200 |
| tcagatcgat  | aaatataacg | aacaattact | tgcttatcag  | aataaagcca | tgcgtagact | 3028260 |
| gggtatagcc  | tacaagggtg | tcccagaaaa | cgcttcgcag  | gattgtgctg | agttagtcgg | 3028320 |
| cgaagggtga  | atgactttct | tgggtatctt | tgcatcagct  | gacccgattc | gtccggatgt | 3028380 |
| accgaatgcc  | gtaaagaaat | gtcagtcggc | tgcatcggga  | atcaagattg | taacaggcga | 3028440 |
| tactccggga  | acagctacgg | agattgctcg | tcagatcggga | ctttggactc | cggagataac | 3028500 |
| agaacgtaac  | cgcatcacag | gggtagaatt | tgacgattg   | agtacgaag  | aagcactcga | 3028560 |
| ccgtgtactc  | gacctgaaag | taatgagccg | tgctcgccc   | atggacaaac | agcgtctagt | 3028620 |
| gcaattgtta  | cagcaaaaag | gagctgtcgt | agccgttaca  | ggtgatggaa | caaacgacgc | 3028680 |
| acctgccctg  | aaccacgcac | aagttggctt | gtcgtatggg  | accgggactt | ctgtagctaa | 3028740 |
| agaagctagc  | gatattacct | tggttgatga | ttcattcaat  | agcattgcaa | cagctgtcat | 3028800 |
| gtggggacgt  | tcattgtata | agaatataca | gcgctttatc  | gtattccagc | tgaccatcaa | 3028860 |
| tgtagtggct  | ctgctgagtg | tcttggttag | tgctttcttc  | ggaacagaat | taccacttac | 3028920 |
| cgttactcag  | atgctttggg | tgaatctgat | catggataca  | tttgctgcaa | tggtctttgc | 3028980 |
| ttcgattgca  | ccaagcatgg | atgtaatgaa | tgagaaaccg  | cgtcgccgca | ccgatttcac | 3029040 |
| cattacaccg  | gtcatgcgca | acacaatttt | cggagtgggc  | ttaggcttcc | tcacatcttt | 3029100 |
| aatgggattg  | ctggtttact | ttaagaatct | ttcaggcggt  | atggatacac | atcatcttac | 3029160 |
| tgtgttcttc  | accatatttg | tgatgcttca | gttctggaac  | ctgttcaatg | ctagtgtttt | 3029220 |
| cggtaccaac  | cattcattct | ttaaagatgc | aggacacgca  | ttaggcattg | tgggtgttgc | 3029280 |
| actgattatt  | ctttagggac | aatcatcat  | cgtaagcttt  | ggcggcaaag | tattccgtac | 3029340 |
| cgaacctctt  | ccattgagtg | aatggttata | catcatagga  | ggaacttcat | tcgtctttgt | 3029400 |
| gattggtgaa  | atatggagag | gcatcaaacg | cttgaagagc  | aaataattca | atgccgtaaa | 3029460 |
| cattgggtat  | gacatgaatg | aacaaataaa | aaatatcatc  | ttcgactggg | gaggcgtact | 3029520 |
| gatagacctg  | aatctggaag | ggtgtatcag | cgccttcgaa  | caggcgagg  | cagtcaatgt | 3029580 |
| gcgtgacctg  | ctgacaggta | ctaattgagc | gggcttcttc  | cgcgattatg | agtgcgggaa | 3029640 |
| aataagcacg  | cccgaatttc | gtgaggctat | acgtaaacad  | atcaataaac | cgcttacgga | 3029700 |
| tgaggaaata  | gaccgcatgt | ggaatatgga | gctgcttacc  | attcctgagg | aaaaactcct | 3029760 |
| gttgctcgct  | gaactgagca | aacattaccg | gctattttta  | ttgagtaata | cgaacgaact | 3029820 |
| tcactgggaa  | tatgggtaca | agaatgcatt | ctgccgtaac  | ggtaaagact | atacaatgta | 3029880 |
| ctttgagcgt  | attttcctgt | cgtatcgcat | gcacctgtca  | aaacccgatc | ccgctatttt | 3029940 |
| ccaaagagtt  | ttacaggaag | ccggtctcca | accagcagaa  | acattgttca | tagacgatgc | 3030000 |
| agagacaaaat | tgtctggcag | cagcctcaac | aggcatgcag  | gctgctcact | acataccggg | 3030060 |



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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| aacagatctc  | ggtgaattat  | ttaaataaat  | tcctacatga  | agattataac | agacgagatt  | 3030120 |
| aagcaaatac  | tttcaccttg  | cgtggcaacc  | atcggttgct  | tcgacggact | acaccgtggc  | 3030180 |
| catcgtttcc  | ttatcgaaca  | ggtttgaga   | gaagcccgcc  | aaaggaactt | ccatagcgcc  | 3030240 |
| ctgataacct  | ttcccgtgca  | tccacgtcag  | gtcatgcaaa  | gtaattaccg | ccctcaatgg  | 3030300 |
| cttacttgtc  | tgccacaaaa  | aacaactctt  | atccagcaaa  | cggaagcaga | ttattgcatc  | 3030360 |
| atgcttccat  | ttaccaaaga  | attgtccttg  | ctctctgcac  | gccaattcat | gcaactgctt  | 3030420 |
| cgtgaacggt  | ttaacgtccg  | tgtgctggtc  | atcggctacg  | accatcgctt | cggtcataac  | 3030480 |
| cgcagcgaag  | gattcgacga  | ttattgccaa  | tatggaaagg  | aactggatat | ggaagtagtt  | 3030540 |
| cgtgcacaag  | cattggtgga  | agaaggagta  | tccatcgact  | cgtctgtcat | acgtaaagct  | 3030600 |
| ttaaagggaag | gagacataca  | gcatgccaat  | cattatctgg  | gctatcgcta | ttatctggat  | 3030660 |
| ggaacagttg  | tcgacgggta  | taaagtaggt  | cgtaagctgg  | gatttccaac | agccaatctc  | 3030720 |
| ctccccctct  | gttccgacaa  | actgattccc  | aaagaagggtg | tatatgctgt | atatgccgac  | 3030780 |
| atcgacggga  | cacagtatgc  | cggatgttta  | aacatcggaac | atcgcccaac | cgttgacaat  | 3030840 |
| ggctccgact  | taagtatcga  | agtacatatt  | cttaacttct  | ctggagatat | ttataaccgt  | 3030900 |
| cacatgcgga  | tagaattttat | tgaattttatc | cgccaagaac  | aaaagtttga | cagtctggaa  | 3030960 |
| caactgattg  | cccaattgaa  | tgccgatcgc  | gaaacaatat  | ctcgctgttt | attaaaaagt  | 3031020 |
| taaggaataa  | aacattcgag  | ttctgtttaag | acaaaaaaat  | ccccgacatc | ttttattcaa  | 3031080 |
| agaaatcggg  | gattacaaaa  | aactatgata  | acagattaca  | attccttaat | gctgatagct  | 3031140 |
| acaccaccgc  | tcggagcaag  | acgctgtttc  | aacttcgttt  | tgctggtcac | tttctttgtc  | 3031200 |
| gaaatcacat  | attctttggg  | atttgtacgc  | cagtcggctg  | tttttccgtc | agcataaata  | 3031260 |
| gttgcttgat  | atttctttcc  | agccggaagg  | aaactcaaat  | cgataacagt | ttcccgaacta | 3031320 |
| ttctcatcgg  | taattccacc  | cacataccat  | tcgttctttc  | cttttgcttt | acgagcaatc  | 3031380 |
| gtgatgtaat  | caccgggttc  | cgcctccaga  | atataggtat  | tgtcccagtc | caactgtaca  | 3031440 |
| tccttaataa  | actgaaaagc  | atccggatat  | ttttcataat  | tctgatataa | atcggctgcc  | 3031500 |
| atctgaagcg  | gactatacat  | cgttacatac  | aatgcaagct  | gtttttacca | ggtagtacct  | 3031560 |
| aactgagcct  | tgtagaacc   | ataaacagaa  | agatcacctt  | caaaaattcc | cggagtataa  | 3031620 |
| tccatcggac  | caccatcag   | acgggtaaac  | ggcaagattg  | tctggtgatc | aggacgaatg  | 3031680 |
| ccattgaacg  | attcaaaactc | cgtaccacgc  | gctgattcct  | gagcaatcca | gttgggatac  | 3031740 |
| gtacgataca  | taccgtagg   | acgtacggct  | tcatgtgaat  | caaccataat | atgatacttc  | 3031800 |
| gcagccgtct  | cagctaccgg  | attgtaatgg  | ttcaccatcc  | actgtccgtc | gtgatgttca  | 3031860 |
| ctacgtggga  | tgatggggcc  | tacgtaacca  | gtctttaccg  | catcgtagcc | attttctttc  | 3031920 |
| ataaaacgga  | acgcatcatg  | catctgacgt  | tcataatcgg  | ccaccgacga | agttgtttca  | 3031980 |
| tggtgcataa  | taatttttac  | tcctttcgat  | gcggcataac  | gttgacgttc | ctttacatcg  | 3032040 |
| aagtccggat  | aagctttagt  | gaaactgtat  | ataaattcct  | tgcatgagc  | ataattgtct  | 3032100 |
| ttccaccctt  | cattccatcc  | ttccaccagc  | acggcatcaa  | aaccattttt | cgctgcaaag  | 3032160 |
| tcaatatact  | cctttacatg  | ggccgtattg  | gcacatgat   | gaccattcgg | tttcagttgg  | 3032220 |
| gtatagtcat  | ttttaccgat  | tacgatgtct  | tgctatcgg   | tataagccca | ggtagagcct  | 3032280 |
| ccgcccgtaa  | agtattccca  | ccatacaccc  | acgtattttg  | tcggcttaat | ccaggaagta  | 3032340 |
| tcttccagtt  | tgcaagggtc  | attcagattt  | actatcaagt  | tcgaggccaa | gatatacagt  | 3032400 |
| gcatcgtcgc  | ttactacaat  | cgtacgccac  | ggactggtac  | tgccggtctg | gatatacctt  | 3032460 |
| ttcgccccgt  | ttttatcagg  | agtcagggtc  | gaactcatca  | aaaaagtctt | tgcatccaga  | 3032520 |
| ttcagatgca  | tagcaggata  | attaaccaa   | gccgcctcat  | ggatgttgat | ataaagtccg  | 3032580 |
| tcatccgact  | tcagcatcaa  | cggagtctgt  | acagctagat  | taggcgaagg | tgacttgcaa  | 3032640 |
| gccagggcct  | catcgcgcg   | cttgtctatc  | agctgcggca  | cttccgacag | tttggaagtc  | 3032700 |
| gttatctgaa  | actcattggt  | atcatagtca  | gctggaatcc  | aaaatgcctt | atgatcgctt  | 3032760 |
| gccagctgaa  | actccgtcac  | ttcctcatta  | atagtaaaat  | gccgtaattc | tttctgtacc  | 3032820 |
| ggaaattcat  | aacggaatcc  | caacccatca  | tcgaacaaac  | gaaaacgaat | attcagcaac  | 3032880 |
| caccccgtac  | cttcttgctc  | caaggctaca  | aatagttcct  | tatgattatc | ccgaatgaca  | 3032940 |

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| ctgttctgcc  | cccaaacagg | attccaggta | gtatcggatg | ctgtttcctt  | tgtttctatg | 3033000 |
| atacggaagt  | tcttactgaa | atcgaacgac | ggacgtatct | ggaagcccat  | cttactttcc | 3033060 |
| cggataacat  | ctttcccttt | atatttcaac | gaataaaccg | gagtcttatc  | agccgacaag | 3033120 |
| tgaaaatcca  | tgattaaatt | tccattgggt | gaagtcaatg | tctgggcaaa  | agagaatccc | 3033180 |
| acgacaaaca  | aactcatcat | tacagagaga | attagttttt | tcataatacc  | tttattgatt | 3033240 |
| aacaaaataa  | atacttttgt | aaatataaca | attatccgca | aatatacact  | tattcccctt | 3033300 |
| ttgaaaactt  | ctttatgcct | tcaagaaggc | tttctaaaag | tattttcaat  | ataaatcaga | 3033360 |
| aaatatattat | tgtttttcga | taaatatttc | ctgattttct | tttgtactct  | aaaaataata | 3033420 |
| tctacatttg  | catatcgaaa | aacgataaat | atttatcgaa | aacaaacaca  | gataaaataa | 3033480 |
| ttaagaacca  | caaacacgat | gcaattatga | aaaagacatt | actaaaaaaaa | gcagctatgg | 3033540 |
| caagcctctt  | caccctgatg | acactaacag | tcacaaaggc | aaacgcaaaa  | gaaactttca | 3033600 |
| tttatggaga  | aacagacaac | gggttgattg | tttctaccct | gaatgaagac  | ggcaaaacac | 3033660 |
| ttactccaaa  | atggaaatac | gagtaccggt | acgacgaaca | aagacgactg  | accgagaaga | 3033720 |
| aagcatatcg  | atggaatttg | cgacaacaga | tgtggacacc | cgcctatctg  | ctcactatta | 3033780 |
| tgtcgaatga  | ctcgatatgt | atcatggatt | atgccgaatg | ggacaaaactt | ttttgtaact | 3033840 |
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| attatagccg  | ttcatctgcc | tgcgaaataa | gtgaaaataa | caaataatta  | aaattcaatt | 3033960 |
| attatgggac  | gcaccatcaa | attattgcta | tactattttg | cctaccaact  | ggcattcatg | 3034020 |
| ggagttttcc  | tgtagcgata | tatgatcttc | catcatacca | cagaattacc  | tcaaccacc  | 3034080 |
| gactctactt  | acataaccct | cattctgctg | gcacaggttc | tatctacagc  | cgcggtaggt | 3034140 |
| attcatctga  | tagtgggaaa | atatgtaccg | ctcgaccgaa | aaacttgggc  | gtattacaac | 3034200 |
| tccggtgaagg | tcctgattgc | cgctatccta | ttaatcgtag | gtatgggggt  | gtggagcaat | 3034260 |
| tacctgaacg  | aactcgccga | cttgcccaat | aacatgcagg | aaactttcgc  | catgatgatg | 3034320 |
| cagcatccac  | tggaatttgt | ggcaatcacg | attatggccc | ctattgtaga  | agagctattg | 3034380 |
| ttccggggag  | ccatccaggg | acacctgctg | cgcaaattga | aaaagccgct  | ctgggccatc | 3034440 |
| gttgatatcat | cactgatatt | cggtatcgta | catggaaact | gggtacaagc  | tccttttgct | 3034500 |
| ttcgtagtag  | gactggccct | aggctggatc | tattatcata | caggtagtct  | gctccccggc | 3034560 |
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| ccgaatgcta  | caatggtttc | cacctacggc | cccgaaggag | ctgcactcat  | ggcggttgcg | 3034680 |
| ggagcgatac  | tcactttcgt | atgcatcaag | tacatccaaa | gactgcttcc  | acagcctgca | 3034740 |
| acatggagag  | aagaacaacc | cacaagtaca | atcgaataat | accccgaatt  | tatgaaacac | 3034800 |
| atcagcatat  | taggtatatt | ggccattttt | gccatagcac | tgaatatctt  | ttttgccata | 3034860 |
| ggcagtaatc  | tcaaagattt | caagcaaggc | tttgaagatg | gacaaaaggc  | tggctctact | 3034920 |
| tacggcacac  | aggcagattc | acacgtattc | agggcagaag | taagagttac  | tcctatctcc | 3034980 |
| agtccaagcg  | atagtctgaa | tttgcaatta | ccggttgaaa | cagtaaaagt  | gccgtatcat | 3035040 |
| gtttcaacaa  | tcacctgtct | gatcaaagag | actccaacca | tgtaaatcac  | cataatatcc | 3035100 |
| gcagctttgg  | caacctatcg | attagcgact | tatggtatct | actgcctgat  | acgtgtactt | 3035160 |
| atacgtatca  | cccgacaaga | tgtattctcc | cgacgtaata | tctggtggct  | ccgctggata | 3035220 |
| gcttacggcc  | agttagcagc | catttcactc | tcgtacttgt | taaactggag  | catcgagcag | 3035280 |
| gcagtccttg  | cacaagtatc | cctgccgggt | tatcaggtga | taggtgtcac  | cccgatcccc | 3035340 |
| ctgcaatggg  | atttagtcat | cctgatcgta | ttacttacgg | aaatctttgc  | caaggccgta | 3035400 |
| aagattaagg  | aagagaacga | cctaaccatt | taactacata | tcgcctatga  | aaccgaaaag | 3035460 |
| caattattca  | cgcccgatgg | cagccattta | cattattata | agttttcttg  | ccacactcat | 3035520 |
| cgtattagaa  | ttgatttgct | tcctcacctt | ttatccactt | ttggagaaca  | ggtttctgct | 3035580 |
| tatatttgca  | agcctaatat | ggctttatgc | cggagctttt | gcttattata  | aaataaccga | 3035640 |
| ccgttatacc  | aaatgggtga | agagactaaa | caacaaataa | aacgtatgcc  | gattatagta | 3035700 |
| aaccttgatg  | tgatgatggc | aaaacgaaag | atttacttgg | gagaacttgc  | cgaaagaatc | 3035760 |
| gaccttacc   | ccgctaattc | ttccatcctg | aaaacaggaa | aagccaaagc  | agtccgattt | 3035820 |

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|             |             |            |            |            |            |         |
|-------------|-------------|------------|------------|------------|------------|---------|
| tctaccctgg  | aggcaatctg  | taaagcactc | gattgccagc | cgggagatat | attggaatac | 3035880 |
| aggccggaag  | agtaaagctc  | ttccggtaaa | aggctgtcaa | atagcaaaga | ataaacaact | 3035940 |
| cttatagccg  | ataatccatt  | aattgtccgt | atctttgcag | ccgaattaga | tatttgaaat | 3036000 |
| aaatgaagac  | atttgaagaa  | ctcggcgttt | ccgcagaaat | acgccaggca | atcgaggaaa | 3036060 |
| tgggttacga  | aaatcccatg  | cctgtacaag | aagaagttat | accgtatctg | ttaggaaacc | 3036120 |
| gcaacgacgt  | agtggctctg  | gcacaaaccg | gaaccggaag | aacagccgca | tttggctctg | 3036180 |
| cgctgataca  | aaaaattgat  | gtaaagcatc | gtataccaca | agcactggta | ctttgtccta | 3036240 |
| cacgagagct  | ctgcttacag  | atagcaggcg | atttgaccga | ttactctaaa | tacattaccg | 3036300 |
| attttaaagat | tcttcccgtg  | tacggaggct | cttctattga | aagccagata | cgcagtctga | 3036360 |
| aacaaggagt  | acatattatt  | gttgctactc | cgggacgttt | gatagacttg | atggagcgca | 3036420 |
| aggtagcgca  | tctggaagaa  | atagcgagcg | tagtaatgga | tgaagcggat | gaaatgctga | 3036480 |
| acatgggatt  | taccgacagc  | atcaacgcca | ttctggaaca | agttcccga  | gaccggaaca | 3036540 |
| ctttgatggt  | ctcggctacc  | atgagtcggg | aaatagcccg | catcgccaaa | acgtatctgc | 3036600 |
| atgatgccaa  | ggaaattact  | atcggaacaa | aaaacgaagg | aagcaaaaac | gtacatcaca | 3036660 |
| tcgcttacat  | cgtacatgca  | aaagataaat | acttggtctt | gaagcgagtt | gtagattatt | 3036720 |
| atccacaaat  | ttacgggtatc | atcttctgcc | gtaccgcgaa | ggaaactcag | gagatagccg | 3036780 |
| acaagctgat  | tcaggacgga  | tacaatgccg | attccttaca | tggcgaactg | agtcaggcac | 3036840 |
| agcgtgacct  | ggtgatgcag  | aagttccgcc | agcgtcacct | tcagctgctg | gtagctaccg | 3036900 |
| atgtggcagc  | acgtggactg  | gacgtaaacc | atctgactca | tgtcatcaat | tacggccttc | 3036960 |
| ccgatgatac  | ggaaagctat  | acacaccgaa | gcggccgtac | cggacgtgcc | ggaaagactg | 3037020 |
| gtattttccat | tgccatcatc  | aacctgaggg | aaaaaggcaa | gatgcgtgag | atagagcgta | 3037080 |
| tcacacaaca  | gaaatttacc  | atcagtacac | tgcccagcgg | aaaggaaatc | tgccaacagc | 3037140 |
| agctcatcaa  | agtaatcgat  | gacatcgaaa | aggtaaaagt | caacgaagag | gaaatcgaag | 3037200 |
| cattcctgcc  | gggcatttac  | cgtaagctgg | aatggctgag | caaggaagac | cttatcaagc | 3037260 |
| gagtgggtgc  | gatggaattc  | aaccgcttcc | tggagtatta | taaaaatgcg | ccggaaatag | 3037320 |
| aacagcccaa  | agcaagcgaa  | aagagcagcg | agcccaaaga | gcggaagac  | cgcggaagcg | 3037380 |
| accgtgaaaa  | agtggtagcg  | aaagccgaaa | aaggctacgc | ccgactgttc | ctgaacttag | 3037440 |
| gaaagacaga  | tggtttctat  | gccaatcaga | tcattgaact | gattaaccgg | aacctgaaga | 3037500 |
| aagaacatat  | ccagataggc  | cgtattgacc | tgatgcagaa | tttctccttt | ttcgaggtag | 3037560 |
| cagagaacca  | ggctctgatg  | gtgttgaaag | cgctgaacaa | ggtaacattg | aacaaaggcc | 3037620 |
| gtaaggtgat  | tgtagaaatg  | gccggagaaa | atacgggcaa | aagcgacaag | agcggaagaa | 3037680 |
| aacgtggcaa  | ggaaaacgtg  | aaggaagaaa | aatcggccaa | gagaaaagaa | acaaaagccg | 3037740 |
| ataagaaaaa  | ggataagccg  | agccgtgaag | agcgaggcta | tacagccgca | cgtggtccta | 3037800 |
| agaagaaaaga | cgactggaaa  | cagttcttcc | agaacgacag | ccgccccctg | cgtggtgaag | 3037860 |
| agccagattt  | tgcaagaaga  | ggctgggcca | aacgaagcaa | gcgcaaaaag | taatatccgt | 3037920 |
| tactgattgc  | cttttatata  | ccagaaatta | catgaatcat | cttttccgtt | gaccatgtaa | 3037980 |
| tttctggttt  | cttttttaag  | tccgtacgaa | aaaaatacta | ttccactacc | agacgaagct | 3038040 |
| tgctgcacc   | ggtacgcgcc  | cgcagccatt | ccatcatctt | ctccctttcc | tgcttcgacg | 3038100 |
| gctgtttgtt  | gcagtcgaca  | aatgcaaagg | taaccgtatc | catgcggata | ctatctacat | 3038160 |
| tcaactgcaa  | gctcttggat  | acagatatcg | tttttacata | agggaaaaga | accttaattc | 3038220 |
| cctgccccat  | ccgttcattc  | atcagattcg | atccggtaaa | atcgggcaag | atacggttca | 3038280 |
| aggaatccag  | tgtcgctgtg  | tgcaagcaa  | gttgtttttc | actgttcttg | taaaagtctt | 3038340 |
| ccattacca   | cgacttgata  | ttgcttatat | ccatggagcc | agctccgttg | acaccctgaa | 3038400 |
| agaccgacaa  | ctttgtatcg  | ttcaacttat | actctgcaag | tttatgacgt | gccgcctgta | 3038460 |
| actggtcatc  | cgatacttcc  | ttgcctatca | agaccacttt | tatctcccgt | ttgtcgaatg | 3038520 |
| aaatctccc   | actgagaacc  | tgtgtatcgg | ggaattgcaa | ttcggacgta | atgaaactgt | 3038580 |
| tggccgaaga  | ctgataaatg  | gtttcacgaa | caatgttgta | agtcaggtaa | acggccgggc | 3038640 |
| acatggtagc  | aatcgcaatg  | ccaatgatat | acttacgcac | cagcttttcg | cgaaccttat | 3038700 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| cgacaaactg  | cttgcgttgg | aaatgcatca  | ccgcacgcc   | gatgtaagta  | gccaaactga  | 3038760 |
| taaataaccga | attaataaaa | taaagataaa  | aggctcccag  | gaaatagagc  | agattgcccg  | 3038820 |
| tagccagtc   | gaatccggct | gtacaaaggg  | gcggcatcaa  | ggctgtagcg  | atagccactc  | 3038880 |
| cgggtatcac  | gttacctttt | tctttcgttg  | ccagtgccac  | aataccagcc  | agaccaccca  | 3038940 |
| ccagagcgat  | gaacacgtca | taaatagtag  | gcgatgtacg  | cgccagcaat  | tccgactgaa  | 3039000 |
| cttcgtcgag  | gggagtaaac | gcaaaatata  | ttgtagcagt  | aattacactg  | aataaggtag  | 3039060 |
| caaccagata  | actcttcaat | gaacgtttca  | tcagttcaaa  | gtcattcagc  | cccacggcaa  | 3039120 |
| gtcccacacc  | cataatagga | cccacagag   | gagaaatcaa  | catcgcaccg  | ataatgacag  | 3039180 |
| cggtagaatt  | tacattcaat | cccaacgaag  | ctatgaacgt  | cgcaaagata  | agaatccaca  | 3039240 |
| gattggtacc  | tttaaactcc | accccgttac  | ggatagactc  | tacggttacc  | tgttcatctt  | 3039300 |
| ccttgctccg  | gttcaagtcc | agatattcat  | taaagaatth  | cttgacaata  | aatthttttgt | 3039360 |
| ctctttccat  | accattaaaa | gaaagggttac | tacttaacaa  | aacgattcac  | aaacggaatc  | 3039420 |
| gctttcaaa   | gtaaatcttt | tttcagaata  | taagctacga  | aaaccaacaa  | taatagcgta  | 3039480 |
| cggaaatgcca | gtctccacac | tacatgctga  | atggctacta  | cctgcgacag  | tataaataaa  | 3039540 |
| acagcagcca  | gaatcaggta | aacgcccac   | tgcttcaacg  | gataataaac  | cggatacttc  | 3039600 |
| ttttgtccga  | tgaataaaga | caagacagta  | atcacaccat  | agccggcaac  | cgacgcccac  | 3039660 |
| gccgaagcca  | catacccgtg | tggttggtacc | agccacacgt  | tcaatgccag  | aatcactgca  | 3039720 |
| cagcctatca  | gcgaaaaata | agcaccacac  | tgctgttctg  | cggtcagctt  | ataccagaaa  | 3039780 |
| gacagggttaa | agtaaatgcc | cttgaaaatt  | tctgtctcca  | tgacgatggc  | taccacactc  | 3039840 |
| agtccttccc  | agtaatcgcg | cgccaccatg  | taacgcagaa  | tatccatata  | gcacatcaca  | 3039900 |
| gccagaaaagg | ccaacaacga | aaagatgaaa  | aaatacttca  | tggttgccga  | atacatctta  | 3039960 |
| cgattatcgc  | cctccttggt | cttgccaaag  | acaaacggtt  | cgtaagcgta  | gcggaaagcc  | 3040020 |
| tgagtaaaca  | ttgccataat | catggcaacc  | ttgctcgttg  | cactatagat  | acccaactgc  | 3040080 |
| accagtccct  | cctgacggtc | ctcaaacaaa  | aaaggataaa  | tcatcttgct  | gatgggtctgg | 3040140 |
| ttcaatatata | ccaccaatcc | gaaaatcaga  | atcgggaaag  | aatacgaat   | catctgcttc  | 3040200 |
| atcagcggac  | ggtctatacg | ataagagaag  | cctctcagtt  | cgggaatgaa  | gaagaacatc  | 3040260 |
| tgaccaccg   | acatgatcag | attggctacg  | aaaatatagc  | ctaccagata  | ctccggacga  | 3040320 |
| tagaaccatg  | aaaccagctg | atgtgcatgc  | acatccagcc  | acggacacag  | cagcaggaaa  | 3040380 |
| aacagggttca | gacagatatt | tcctacgatg  | ttgaacagct  | tgatggatgc  | aaactttatc  | 3040440 |
| ggacgcttct  | tgtagcgag  | gtaagcaaac  | ggaatgcact  | gaaacgaatc  | gagcgctaca  | 3040500 |
| accagcacca  | tcatggcaat | gtaatcagga  | tgatcgggat  | actccagcaa  | agcggagata  | 3040560 |
| ggatgcagaa  | aaatcataca | aagcaccaca  | aagagcaacg  | acagccctcc  | tacgaatatc  | 3040620 |
| aatgaattgg  | catatacctt | ttccggctgt  | tcgcccagct  | tggtggcgaa  | acggaaaaag  | 3040680 |
| cctgtttcca  | taccgaacgt | cagaagcacc  | agaataagtg  | ccgtataggc  | atacacattc  | 3040740 |
| gaaaccactc  | catatccacc | tgctgatgca  | ggaatcactg  | ccgtataaag  | tgccaccagc  | 3040800 |
| agataattca  | ggaaacgccc | tacaatgcta  | cttaaccctg  | aaattgcccgt | atctttttgt  | 3040860 |
| aacgatttca  | gtccagccat | aatttgtaaa  | aaaataaaaag | tgtgtgccgc  | agttatggca  | 3040920 |
| cacaccataa  | ttagtcatca | aaaagtgttt  | taacgttggt  | aaatctatth  | cttcccaaat  | 3040980 |
| gtttataagc  | cagttccgta | acctcccgtc  | cgcgtggggg  | acgcttcagg  | aaaccttctt  | 3041040 |
| tgataaggaa  | cggctcatac | acttctctca  | aggtcccggg  | atcctcacc   | agcgcgtag   | 3041100 |
| cgatagtagt  | cagtcccacc | ggccgcctt   | tgaacttatc  | gataatggta  | cacagtatct  | 3041160 |
| tgttgtctat  | ctcatccagc | ccgtaacggt  | caatattcag  | tgcttcgagg  | gcataatcg   | 3041220 |
| ctatctccac  | atcgatgcgt | ccggaacctt  | ttacctgagc  | aaaatcgctg  | acccgacgca  | 3041280 |
| acaaggcatt  | ggcaatacgg | ggggttccac  | ggctgcgcga  | agcaatctct  | cccgcgctt   | 3041340 |
| ccacatcgca  | cggaaatacc | aagataccgg  | cagaacgcag  | gataatgcgc  | gacaaaaccg  | 3041400 |
| tatcgtcgta  | atactccaga | tggagattga  | taccgaaacg  | cgcacgaagc  | ggagccgtca  | 3041460 |
| gcagtccgct  | tcgggtagta | gctcccacca  | gcgtaaacgg  | attcaggtcg  | agctggatgc  | 3041520 |
| tgcgtgccga  | cggacctttg | tctatcataa  | tgtcaatccg  | gtaatcctcc  | atggccgaat  | 3041580 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| acaaatactc  | ttccaccacc | gggctcaaac | gatgtatttc  | atcgataaac  | aagacatcat  | 3041640 |
| tcggttctag  | actggtcagc | actccggcaa | ggtctcccgg  | cttatcgagt  | accggtccgg  | 3041700 |
| aagtcacttt  | gaatcccact | cccagctcgt | tggctataat  | attgctcagc  | gtcgtttttc  | 3041760 |
| ccagtcccgg  | aggctccgtc | agcagaacat | gatccagtg   | ctcagcacgg  | aggcgtgctg  | 3041820 |
| ccttgacaaa  | gatgctgaga | ttgtcgacca | ccttgcctg   | accactgaag  | tcgccaaact  | 3041880 |
| gtaacggacg  | aagggcattt | tcaaaatccc | tctccttccc  | tgttggttta  | taatcacgta  | 3041940 |
| tatcaaattg  | ttcttccata | atgatgcaaa | agtacaaata  | aatcgtgtga  | agaacgatat  | 3042000 |
| aaaaaacttt  | atctttgcag | gaacaacaac | taacttttta  | cctcagacct  | atgaacacct  | 3042060 |
| atacaacca   | tcatcttggt | ttcttctcgc | ctaccatac   | ctcggcaaaa  | atagcacgag  | 3042120 |
| ctatcggcga  | aggatcgggt | atgggacgaa | gaatcgaaac  | cgacttgact  | ctcgatgaaa  | 3042180 |
| gcgatactcc  | tatcgaaata | aatgactcgc | tgacgggtcat | tgccgcaccg  | gtatacggag  | 3042240 |
| ggcgggtagc  | ccctacagcc | ctacaacgca | tcaagcgctt  | gaaagggaa   | aattcaccag  | 3042300 |
| ccatcgtcgt  | gggtgtgtat | ggcaaccg   | attatgaaga  | tgctctgctg  | gagcttcgtg  | 3042360 |
| atactgccgt  | atcattagga | ttcactcccc | tggcagcagg  | agcctttatc  | ggagagcaca  | 3042420 |
| gttacagtac  | agccgaaatg | cccgtagcag | ccggccgccc  | agacgacaaa  | gacttgcaaa  | 3042480 |
| ttgccagcca  | gtttggtaaa | gactgtctga | aaaagctgga  | agaagccggt  | gccagcatcg  | 3042540 |
| gagagtgtga  | gacgacaagc | ccttcccagc | aaacggaaca  | tacgcaacaa  | agtatcagtg  | 3042600 |
| ctgaactatc  | cagccgtatc | agttccttct | ttgtaaaagg  | gaatttcccc  | tataagggtcg | 3042660 |
| ttccagcttc  | ccagccgtcg | gctccggttt | gtaatgagca  | ttgttttgct  | tgtggaaaat  | 3042720 |
| gcgtggaagt  | atgtccgacc | catgccatcc | gtatcagcga  | cgacgggttc  | cacattgaaa  | 3042780 |
| cagacattac  | acggtgcac  | cgtgttgctg | cctgtgtaaa  | agaatgccc   | aacgccgcac  | 3042840 |
| ggacctatta  | tagcccgttc | actgccatcc | tgcacgagaa  | attcagtgca  | cgccgtgaac  | 3042900 |
| ccgaactttt  | cttataaaa  | aacaaaaaaa | gaagcggatg  | ccatcttaag  | agagatttat  | 3042960 |
| aaaagacggt  | ggcatccgct | ctaagatcct | cttgcctaac  | ctcacggcca  | agtcagctga  | 3043020 |
| cacctctcag  | tatgacttac | tgcaagatgc | agccagaaga  | gaataagaaa  | gggaaaatta  | 3043080 |
| ttcaattata  | tgtgtgtgtc | tatttataca | acatattgcc  | atttgaaata  | ctactattct  | 3043140 |
| ttagctcaac  | agtcttaaag | ttatgctttc | atattgctaa  | taacaatcat  | aaatttgaat  | 3043200 |
| gcaaaaaatag | gcaaaaaatc | gaaaacacaa | aacaaattat  | aagaaagtat  | agaaaaatac  | 3043260 |
| taaatataca  | aatatcacat | aaaagagaat | ttaaacaaca  | aatatcacac  | atatcaataa  | 3043320 |
| aaatagctat  | cattttgata | taaaatagat | aatattttaa  | gaaaacgac   | gaacagagtg  | 3043380 |
| caaagaaaat  | cattttacaa | acgggaagtt | atatcatttt  | tattttttaca | taaaagatta  | 3043440 |
| aaatactatt  | aaacactaaa | aaaacagatc | aaatttccta  | tcctctatga  | tatacaaaaa  | 3043500 |
| acgttaaacy  | agtcgatatg | caatatttat | aagggaagat  | tccatatgta  | ttaataaagg  | 3043560 |
| atttatgttt  | ttatacttac | ttttgccaga | aacaaatggc  | agaaactttt  | taccatgaat  | 3043620 |
| aaagaaaagc  | gaatactggt | aggcatgagt | ggaggaatag  | acagttccgc  | tacctgcatc  | 3043680 |
| atgctgcaag  | agcagggcta | cgaagtagta | ggtgtaacca  | tgagaacctg  | ggacattcct  | 3043740 |
| tcccatttct  | ctactcccgg | acaagaacag | cccgcagga   | tactggaagc  | tcaggcactg  | 3043800 |
| gcagaacgat  | taggtataga | gcacatgta  | gccgatgtcc  | gcaaagaatt  | taaagatgta  | 3043860 |
| attgtccggt  | atttcatcga | cgaatatatg | agagggcgta  | ctccgaatcc  | ctgcgtcatg  | 3043920 |
| tgtaatccgc  | tggtcaagga | acgcatactt | tgcaaatggg  | ccgaccggac  | cggatgtgca  | 3043980 |
| cagattgcca  | ctggccatta | ttgccgactg | gaagaccgga  | acggacaccg  | ttatatcggt  | 3044040 |
| accggcgatg  | acgccacaaa | agaccagtca | tactttcttt  | ggaaactgcc  | gcaggaaata  | 3044100 |
| ttaaagcgga  | tggtattccc | gttgggagga | atgaccaagg  | cagaagtgcg  | tgattatctt  | 3044160 |
| gccagcaaa   | gctttgaggc | aaaagcccgt | ggaggggaaa  | gtatggaaat  | ctgcttcatc  | 3044220 |
| gacaaagact  | accgggaggt | cctgagagaa | cattgcccgg  | acatcgacca  | gcgtatcggg  | 3044280 |
| ccgggatggt  | ttgtcgacag | caaagggtta | aaactaggac  | agcacaagag  | atttgcctat  | 3044340 |
| tataccatcg  | ggcaacggaa | aggactggaa | atcgccctcg  | gacatccggc  | gtacgtactc  | 3044400 |
| aagatcaatc  | cagccaaaaa | caccgtcatg | ctgggcgacg  | cagaacaact  | gaaagctgaa  | 3044460 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| tacatgctgg  | tagaagacat | caacgtaata | gacatgaaag  | agctattgga  | atgtccgaac  | 3044520 |
| ttatctgtac  | gtatccgcta | ccgcagccgc | cccatccctt  | gtcgcattgc  | actgctcgac  | 3044580 |
| gacacacacc  | tattggtgaa | gttcgaagcg | gaagcatcgg  | ctatcactcc  | gggacagtcc  | 3044640 |
| gccgtattct  | acgacggtgg | aagagtattg | ggtggaggat  | ttatcgccct  | tcagcaagct  | 3044700 |
| atcaaaaaat  | tagccgccga | gaataaagaa | aaatttttagc | cgtttttagcc | cttcaccccc  | 3044760 |
| ttcacaatac  | ggcaacaaca | aggctaccgt | cggaaggaga  | atcccttcat  | ttatcacaag  | 3044820 |
| cgtgaaggat  | gtggagggtg | aaacatgtga | catcataaaa  | aaatatcggg  | agattcagta  | 3044880 |
| aaaaacctcc  | cgatattttt | ttagaatttg | tacaaaagaa  | aaagtttttt  | gtacaaaaac  | 3044940 |
| aaatcctttt  | tctacgtcaa | cgatacgaat | cggcaaactc  | tttcgaaaca  | gagttgctta  | 3045000 |
| cacttttgca  | gacatccgca | ctgaaatcca | ttccacagcg  | aataatcgca  | tcccagtcgt  | 3045060 |
| tttcgctcaa  | ctctgccaa  | tcagcccgac | gaacacggta  | tttcaacagt  | ccgtacacga  | 3045120 |
| ctccggcatt  | aaaattatcg | ccggcaccta | tcgtactgac  | tgctttcagt  | ggagtaaccg  | 3045180 |
| gataattctt  | gcatacattt | ttcgtacgca | agcgcacatc  | tccacctgca  | tcggtgcaaa  | 3045240 |
| taaagttcgg  | acaataaaat | gcaacatggt | tctgataaac  | cttatcagca  | tccgtctggc  | 3045300 |
| ggaacatatt  | ctggaaatcc | tcggtcgcgc | ctctcagaat  | atccgtatac  | tcaaagttct  | 3045360 |
| caatgatggg  | aggcatcagc | ttgatcgctt | cattgacatg  | cgtactgcgg  | aagttcacat  | 3045420 |
| cgtaataaat  | aatgggtccc | gcctcatgtg | ccttgctcag  | caactccttt  | accttgctgc  | 3045480 |
| gcaacacagg  | tgtaatggca | aaatacgaac | caatcatgat  | gatatcgtca  | gccgacacgt  | 3045540 |
| cgggcatatt  | cacatccagt | ctctgacggg | gataatcttt  | atagaagata  | tattcggcat  | 3045600 |
| cattgttttc  | attcagaaaa | gccagcgata | caggcgattt  | tccttcgggg  | aatacattta  | 3045660 |
| cattcgccgt  | atctactcca | ttgttgcgca | tgtagccaa   | aatcatctct  | cctacacggt  | 3045720 |
| cgtttcccg   | ttcactgata | aaagtaacat | tctgccccat  | tcttcccagc  | gagatcatgg  | 3045780 |
| cattatacac  | cgaaccaccc | ggcacagcag | cttcgggttg  | tccgtcgcgg  | aaaagaatgt  | 3045840 |
| caagaatcgt  | ttctccaata | ccgataacct | ttctcataaa  | tcactcctta  | tatattattt  | 3045900 |
| gctcaatgcc  | cgggagcggt | caccagata  | gcccccatga  | tggcgtttac  | tatattcttc  | 3045960 |
| gatggtaaat  | ccggtctgct | tcattggttt | taccaccaga  | atatcgccga  | taacgggtcat | 3046020 |
| tacggtagta  | gaagtcgtag | gagtcatacc | cagcggacaa  | acctcgctcc  | gatgtccggt  | 3046080 |
| aggcagacag  | atatccgccg | ccttggcaag | cgggctgtcc  | ggattcccgg  | tgatgacaat  | 3046140 |
| ctttttcaac  | gacggattca | gacggcgcgc | cagttcagtc  | agctctacaa  | tctcacgcgt  | 3046200 |
| ctttccagag  | ttggaaatca | gaagcagcag | atcattctcc  | tgcaaaatac  | ctaagtcgcc  | 3046260 |
| gtgttggtg   | tcactcggat | gaagaaatac | ggaaggaata  | cccgtagagc  | agaaagtagt  | 3046320 |
| agcaatatct  | atagcaatct | gtcctgcttt | tcccatccc   | ctgggttacga | gcttaccttt  | 3046380 |
| cttgcaatgc  | acttgttcta | caatcagtgc | caccgccttt  | tcgtaagcat  | ccgttacagg  | 3046440 |
| aatgttcaat  | acagcctgcg | cctcgcgctg | taacagttcg  | tgaatagatg  | aaatcatatg  | 3046500 |
| taagatatatt | aatgttttaa | taattaagaa | ttcagtaatt  | gtgtcagctc  | gtcgaatgta  | 3046560 |
| tttgccacgg  | caaaatagtt | cttcaacgga | cgatgcgcga  | aatgctgtgt  | ctccagccct  | 3046620 |
| gaaaggaaat  | cgagaattcc | gttcagaac  | ccattcacat  | tatagaaaat  | cactttcttc  | 3046680 |
| tcgtgatagc  | ctatcgtggc | agaagccatg | acgtgaaaaa  | tttcatccag  | tgtacctacc  | 3046740 |
| cctccaggca  | aggctaccgc | cacatctgcc | tcctgcaaca  | taatatcttt  | ccggtcgctc  | 3046800 |
| aagttgactg  | cccggaacgt | tacatcaagc | aaatcgctta  | ccgcacctct  | ctcttccagc  | 3046860 |
| ttggtaggaa  | ctactcccat | aatcatggca | ccattctcct  | tagccgcacg  | ggcaaccgct  | 3046920 |
| tccatcagtc  | cggtattcga | acctccgtat | atcagccatt  | tgctgtcttg  | tcccagccag  | 3046980 |
| gtacccagtt  | cggcagcctt | ttcagcgtaa | accgcatcaa  | tgtgatcgga  | cgcagaacag  | 3047040 |
| aatatcgcaa  | ttttattcat | aatgtattac | tttaagccac  | acagccagat  | tggcacaatc  | 3047100 |
| ttactcgatg  | actgtgcaac | cggcagtggt | agaatcaata  | ttcttgcaaa  | tatccgtatt  | 3047160 |
| tttttcagtt  | actacaataa | gtattattgt | atttttgcac  | ccaaaatcaa  | ttcaaagaag  | 3047220 |
| aaaacttatg  | ccatacaata | cttttatcct | acccaacgga  | ctgcgtatca  | ttcatacccc  | 3047280 |
| aagcatgacc  | aacgtgactt | attgtggttt | tgccgtcgat  | gccggtacgc  | gcgacgaact  | 3047340 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ccccgatgag  | caggggtatgg | cacatTTTTgt | agaacacctt  | atattttaaag | gtacccgcaa  | 3047400 |
| gcgacgggca  | tggcacatct  | tgaaccgcat  | ggaaaatgtg  | ggtggcgacc  | tgaatgccta  | 3047460 |
| tactaataag  | gaggaaaccg  | tgatatacag  | cgcttttctg  | aaagagcatt  | ttgcccgcg   | 3047520 |
| cgtagagcta  | ttgaccgaca  | ttgttttcca  | cagcactttc  | cccgagcacg  | aaatagccaa  | 3047580 |
| ggaagtagaa  | gtcatcatcg  | acgagataca  | aagttacgaa  | gacagtccgg  | cagaactgat  | 3047640 |
| attcgacgat  | tttgaggaac  | ttatcttccc  | cgaacatcca  | ttaggccgca  | acatttttagg | 3047700 |
| gaaaccggaa  | cagcttcgcc  | gtttcggaag  | tcaggatgcc  | ctccgcttta  | ctggcagata  | 3047760 |
| ctaccgacct  | gccaacatgg  | ttttcttcgt  | acaaagcgac  | atcgatttca  | aacgtattgt  | 3047820 |
| ccgcacagta  | gaaaaagcca  | tggcagaaat  | tccgttttct  | gcagtagaag  | gttaccaacg  | 3047880 |
| gcaagcccct  | ctgccctatc  | agccccaaca  | gcttacactg  | cacaaagata  | cccacagggc  | 3047940 |
| ccacgtcatg  | atcggcgggc  | gcggatacaa  | tgcatacgat  | gaacgccgaa  | caggtctcta  | 3048000 |
| ccttcttaat  | aatatactgg  | gaggccccgg  | catgaacagc  | cggctgaatg  | tatcgcttcg  | 3048060 |
| cgaaaaacgc  | ggtctggtat  | ataccgtaga  | atcgaacttg  | acggcttata  | ccgataccgg  | 3048120 |
| tactttttgt  | atttatttcg  | gctgcgatca  | ggaagatgcc  | gactactgcg  | ccgagctggt  | 3048180 |
| acataaagag  | ctgagaaagc  | tacgcgacca  | tgccctgact  | tcttcacagc  | ttcatgctgc  | 3048240 |
| caaaaaacaa  | atcatcggac  | aatcgggtgt  | agcaagcgac  | aacttcgaga  | acaatgcgct  | 3048300 |
| cgacatggcc  | aaatgctttc  | tccattacaa  | acgttacgaa  | gaaaaagaag  | aagtgtttca  | 3048360 |
| gcgcatcgaa  | tcactgacag  | ctacggaact  | tttgaataa   | gcaaacgaaa  | tgttttccga  | 3048420 |
| aaattacctg  | tctacactaa  | tatacaata   | aaacaaacat  | gtaaaaattt  | gtctatttat  | 3048480 |
| caatttaact  | tacatttttt  | gacaaatcaa  | acatatttga  | caaataaaaa  | tttttgcgat  | 3048540 |
| tcatacatat  | ttcttaaatt  | taccccataa  | ttaatgttaa  | cagattttat  | ttgtctgtaa  | 3048600 |
| agtatatatt  | ggaggacaac  | gtattttatat | tagagattac  | ttcggggata  | tgctgcatat  | 3048660 |
| tgacggcaat  | attcctacat  | tactctgcta  | tccccaaggg  | cagcaataag  | aaaaactatc  | 3048720 |
| aaaaaggata  | taatttagta  | aaattagcct  | ctcttatatt  | aggaatagcc  | gctttgacct  | 3048780 |
| ttgcaataac  | aggaggtcca  | acacagatat  | atggcaaaaag | taatttcatc  | cacctaattc  | 3048840 |
| tgccagtaga  | aacattgcta  | atattttggg  | tatttatata  | tccaattttac | gaaaaagaaa  | 3048900 |
| aactaaaaaa  | cttcctcaag  | catcaagtct  | tttacacatc  | attactcttt  | tcagccaatg  | 3048960 |
| ctatctacat  | attttagacc  | catggagggc  | ccggcgagtg  | gttttactat  | atattagtat  | 3049020 |
| cttggttacgt | aatacaattt  | gtcttttata  | caattattta  | tatacacatc  | accaaaattt  | 3049080 |
| ggctaagagg  | gaaaatctgg  | gaaacaggca  | acttaaagaa  | atatcctctc  | cgtacatggg  | 3049140 |
| cgtcgggttt  | catcatatgt  | ataatgggaa  | tcatagcaga  | aattttttcca | aaccctattt  | 3049200 |
| acctgcagat  | attcacctta  | tgctacacca  | tattctttat  | ttcattaggc  | atacagtatc  | 3049260 |
| ataattatag  | cataatatct  | ctaaatgagc  | aagttaccaa  | agaatccggg  | atatcccctg  | 3049320 |
| caaacaagg   | agaacagcct  | catcctgaag  | aaaaacgaca  | tgacagaaac  | aacgatatca  | 3049380 |
| tcagagaaaa  | actcagggca  | tggaacaaa   | acaaaggata  | tatgaaattg  | ggaattacca  | 3049440 |
| ttcaagacct  | aagtcgtgaa  | ataggtataa  | accgtacata  | tttgtcaaat  | tacataaacg  | 3049500 |
| aaacctatca  | gacaaacttt  | aacggatgga  | taaacgactt  | acgcatagaa  | gaggcgaaac  | 3049560 |
| agaaaaatcat | gcaatcccct  | gaaattaacc  | taagtgaactt | ggcagaagcc  | gtaggatttg  | 3049620 |
| ccgatcaggc  | acacttcagt  | aagcaattta  | aacaaaaaga  | aggtatcccc  | ccttctatct  | 3049680 |
| ggaagaaaga  | gcatcgccct  | ccaaaggaaa  | agatataaat  | tttacacttt  | tgtcaaaaaa  | 3049740 |
| tacacaatta  | tatacaata   | gacaagcagt  | agcgctgttt  | ttagggttag  | atttgcaaaa  | 3049800 |
| caaataaaaa  | agcgaaaaga  | ataataaaga  | acattatcaa  | ttatcattca  | tttaattttta | 3049860 |
| aaagtatgaa  | gaaaaaatc   | tatggagccc  | tcgtattagg  | aagcgtgctt  | cttgcagggg  | 3049920 |
| gaatggtatc  | ttgctctgat  | tacgatgatg  | acattgatag  | cttgaacaac  | cgtgttgacg  | 3049980 |
| ctgtagaaca  | gactgtaaag  | gaacttcaag  | ataaaatcaa  | tgcaggagct  | gtaatcacia  | 3050040 |
| gtgtcgaccc  | gactgaaaat  | ggggtaaaag  | taacattgag  | caacggcgaa  | tcatttgaat  | 3050100 |
| tgcaaaatgg  | agctccaggt  | gcagctgcta  | ctattgaaat  | tggaagcaac  | ggtaactggt  | 3050160 |
| ttatcaatgg  | cgtagacact  | ggcaaacctat | ctaagggtga  | caaaggagat  | caaggtgacc  | 3050220 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| cgggaaaaga  | tggaacatca | gctacaggta  | aatactacaa  | accaggagaa  | aatggatact  | 3050280 |
| ggattgaagt  | aactgtaggt | acagacggta  | aagaaactga  | aacagaaaca  | actatcagct  | 3050340 |
| ggacaccaga  | aggaacaatg | acagctgcat  | gggactctga  | aaacgggaaa  | ttgatggtaa  | 3050400 |
| gcaacgttaa  | aggatataat | ggtatcttaa  | ctatcaattt  | aacgtctgaa  | ttaaaatctt  | 3050460 |
| tagtattcgt  | acctgacttc | tactatgaag  | gaatcgaagc  | tatggaagct  | agaactttca  | 3050520 |
| actacacaga  | aaaaacagtt | caaaaagttg  | aagctaacaa  | ggattattca  | acagatgcac  | 3050580 |
| ctatagaaaa  | agatggcggt | gcaatgagtc  | caggagttgt  | ggccgaatac  | cacatgaatc  | 3050640 |
| cgtcttccgc  | taattggaaa | gatattaaat  | cactgagtta  | ccttactgct  | gataagaact  | 3050700 |
| atactagagc  | aaatggaaca | gtcagtgcaa  | atgtttttga  | ttgggaagga  | aaagatggta  | 3050760 |
| ttttaacggg  | tcattctcaa | ttaacagatg  | gcactatcaa  | agatataagc  | aagggccaag  | 3050820 |
| ttacagtttt  | agcattacaa | gccaattatt  | ctggaagcga  | gaaagataca  | atcatcactt  | 3050880 |
| ctgactatgc  | cgagtgaaa  | gctacagact  | ataatatcgt  | agcattagct  | cattcttcag  | 3050940 |
| taaatggtgc  | tactgaacac | acagaacact  | tatatacaac  | agctgaagaa  | gctattaaga  | 3051000 |
| atgctgcaag  | ccatgaaatt | gtatataatc  | atacaggttt  | ggatgtagct  | acattggttc  | 3051060 |
| agaccatta   | taccactcca | acagaaaaag  | atgttgaaatg | ggataaaaaac | gctactgtag  | 3051120 |
| gagaagtaga  | gaaatatggc | tttaaatata  | gctttgaact  | tgtaggttac  | catgtagggtg | 3051180 |
| acaacaacac  | ttcagaaaag | gctcatgctg  | tcattgcaagg | ttcattgtta  | aagccatgta  | 3051240 |
| tgctgttaa   | cggacagcaa | ccgacatggg  | atgctgctac  | gcaaaacaaa  | gcagaaaaag  | 3051300 |
| atcgtgaacc  | attgggtcgt | gttatcttga  | ctgatacaat  | cagcaataaa  | atagctgctg  | 3051360 |
| taggttactt  | aaaatttaaa | attgttgaaa  | aagcaactcc  | tgtacagagt  | gaagttatct  | 3051420 |
| tgacacctag  | ctttgacttt | aaagataatt  | acactgtaga  | ttgttcagat  | aaagcaatga  | 3051480 |
| ctctgaagat  | cgaatggcat | gactttgaag  | aagatatcct  | tgctcctctg  | cttgaaaaac  | 3051540 |
| aaggattttc  | taaagcagat | ttccacgata  | acttcaaatt  | ggaggggtgg  | gaaactaatg  | 3051600 |
| caactcaatt  | tgacggaata | gaagctacat  | ctcaaccaac  | aactaagaaa  | ggtatcgtag  | 3051660 |
| cacagactac  | aacagataac | ggtgatgaag  | aaactcaggt  | tatcacttgg  | acattgaaga  | 3051720 |
| ataatgaagc  | ttatcagttg | tttaagaata  | acgcgtctat  | ttcagtaaat  | atccggtaca  | 3051780 |
| gcaaagaagt  | aacagctggg | gtatatcagt  | atgtctacat  | cacattgact  | tgggaacctg  | 3051840 |
| aacatcgtaa  | tgtacaacct | tcaggaacta  | taaataatac  | tgataagatt  | aagaattatt  | 3051900 |
| ggtatgctta  | taacgcagca | actcccggac  | aaggagtata  | cgatgaaatt  | catgctaacg  | 3051960 |
| ttgaaactgt  | aggtgagaaa | tatactcaac  | cagacggaaa  | tgagacggag  | gcagaggata  | 3052020 |
| acttcaaatt  | cgatatctta | aatacatttg  | aaggtaacaa  | tgttacagtt  | tcagttaatg  | 3052080 |
| atgccgagac  | ttacaccgca | ttcacagatg  | ctttattaga  | gaaaacattt  | acatttgtag  | 3052140 |
| atccacaaga  | tagtaaaatg | acaccggtaa  | agggtaaact  | tggtacaatg  | tatgacatca  | 3052200 |
| cagttagtag  | agatggtaag | acattgaatg  | caaatgtagt  | aggcaatcct  | cttgtaatac  | 3052260 |
| aaccagtagt  | tggtcttaat | ggctcagttc  | tggaatatca  | aggaaaagat  | gataatgcaa  | 3052320 |
| actattcttt  | tgctagagat | attttaaatg  | cagctgacca  | cgcacaattt  | acagcggact  | 3052380 |
| cagagggcaa  | gaagacattt | actgcacaaa  | tccaaatcaa  | tgcaaaaaat  | tgtgattatg  | 3052440 |
| taccattcga  | ccttagcaac | aatacattct  | ttgctaagtt  | cttacgtccg  | attacaatca  | 3052500 |
| gtgatacaca  | tgaacaaaac | ttttagtagc  | ctacaacagg  | tggtgccaca  | gcggatttga  | 3052560 |
| aactgtcatt  | cactgatttg | cgtgatcata  | actttgatga  | tgcaactgct  | accaaagggtc | 3052620 |
| agaattatta  | tgcatattat | gatgttgaat  | caatcgaaca  | gaacggcgat  | attctaactg  | 3052680 |
| acttgaacgg  | agaagatggg | gtatttgata  | gaaagttaag  | tgatgtaaca  | ggaaatgtga  | 3052740 |
| aattttacatt | taaagctccg | acagaagccc  | aaattcaaaa  | tgctcagaac  | cactactttg  | 3052800 |
| gtacattgac  | atacttgaat | aatgggtacaa | cagtaggttaa | attcaaaaatt | aaagttccat  | 3052860 |
| ttgatgttac  | atacgatttg | ggtacaatcc  | gcgtatgggt  | aatatgtaat  | atttctcaga  | 3052920 |
| ctgaagctaa  | ctaagcataa | gcctagattt  | ctataaacaa  | taaaagtaag  | gggctcaaag  | 3052980 |
| ccccttactt  | tttatatcaa | aaagacaaaa  | aatgaaaaaa  | ttaaatatca  | ttgcaatagc  | 3053040 |
| aatttgtcta  | ttaagttttt | tttcatgtca  | atcagctgat  | aaagaaaagc  | aaaaagattc  | 3053100 |



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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| aaacactact  | gaattaaaca  | gttttgtaag | tggtactcgta | aaagaagata  | caatagcagt  | 3053160 |
| agaaaaatta  | gtaaattccct | atatgaccta | cgcacaaaac  | caacaatatg  | ctgaagctgc  | 3053220 |
| agcaatgtta  | tataagccag  | atacggcaga | tatatggaat  | gaacctgtgc  | ctttaaataa  | 3053280 |
| tgatgaaatg  | gaaacggtaa  | aaactgtact | taaaagtttc  | ccagttcaca  | gttacaaaaat | 3053340 |
| aacagaaata  | aaattcaaca  | ctgcagtaga | taatgaagta  | agatgctcct  | tcgttatgaa  | 3053400 |
| cgaatcatcg  | aataaacga   | gcagttggac | attcagactc  | atgaattatt  | taggaggctg  | 3053460 |
| gcgactttgt  | ctcatgaaat  | gacccttata | ttatagcgat  | aatgtaaatc  | ccccttgcaa  | 3053520 |
| attatactaa  | aataagtcaa  | tgatttaaca | ttttaaatat  | ctacacttat  | gcatttgaat  | 3053580 |
| aatttttttaa | cagtattagt  | aattgggctt | gcaccagtta  | ctgcttactc  | acaaacgaca  | 3053640 |
| caatctgcaa  | cagaaggaaa  | aacagaattt | gttcctcact  | ggtttatgca  | agtacaagcc  | 3053700 |
| ggtgccgcac  | acacccgtgg  | tgaagctaaa | tttgagagatt | tgattttctcc | agcagctgct  | 3053760 |
| atctacggtg  | gttatcagtt  | tacaccgctt | tggttgactac | gtgctggaat  | aagtggctgg  | 3053820 |
| caggctaaaag | ggggatgggc  | tgccgacaat | cagattttaca | agtacaatta  | cttgcaagga  | 3053880 |
| aatgtagatg  | ctacattgga  | tttgagcaat | ttgttctgcc  | gctataatcc  | tgatcgtttc  | 3053940 |
| ttcaatgcat  | acttggtcgc  | aggtgtcggc | ctgaatggag  | cgttcaacaa  | cgatgaagct  | 3054000 |
| gttgcgtag   | ccaacaaagg  | ctatgaactg | cgttacttat  | ggaaggataa  | taagatcagt  | 3054060 |
| ccggtaggtta | gattcggatt  | aggtactaac | ctgcgactga  | cttctcatct  | cttcttcaat  | 3054120 |
| attgaggttaa | atgccaatgt  | gctatcggat | aagtttaatt  | cgaagaaggc  | tggaatgca   | 3054180 |
| gactggcagt  | ttaacgctct  | ggccggattt | actattaagt  | tcggaagac   | ttcgcgtaaa  | 3054240 |
| acagagcctg  | tatactatga  | cccgactccg | caaccggcac  | ctcctgtaaa  | ggaagaaccc  | 3054300 |
| aaaccggtac  | aggaaccggc  | tccagtaaaa | caggaaaagg  | tcagcatgac  | agaaaatgtc  | 3054360 |
| ttctttgcta  | tcaactcgtc  | taagatacgt | acatcagaag  | aacagaagat  | tgaaaagctg  | 3054420 |
| gcagaattca  | tgaagaatca  | tgccgactgc | aaggttacga  | tctgtgggta  | tgcaagacaag | 3054480 |
| caaacaggta  | atgcaaaaat  | caacgaacgc | ctttctaagg  | aacgtgcaga  | agctgttgct  | 3054540 |
| gctatgctga  | aagaaaaagg  | catcgacagt | cagcgcatcg  | taatagatca  | taaagggtgat | 3054600 |
| acggtacagc  | catttagtac  | aatggaggaa | aaccgtgtaa  | gtatctgtat  | tgctgaataa  | 3054660 |
| acagaaccct  | ttaattcttc  | ataacacgaa | aaggagtgtc  | gctctccctt  | ccccctggga  | 3054720 |
| gatgatgaca  | ctccttttta  | ttttttatcg | aacaggctaa  | agtttgtcta  | tctcatcttt  | 3054780 |
| ggatagtccg  | gttacctgag  | aaatgatttc | atgatccaat  | cccgccagct  | tcatgctccg  | 3054840 |
| agcattggct  | atgttctggt  | ccatacggcc | tttagctata  | ccttccgcca  | tacctttagc  | 3054900 |
| catacctttc  | tggtcggctg  | tcactattgt | attctgccag  | tcacgataca  | ccttgaggct  | 3054960 |
| ttcttcgtag  | gcctcactac  | gctcctttgt | gaatttggtg  | atctcggcag  | cctcgaacag  | 3055020 |
| acgggtaaaa  | attcggtcct  | gaagggcagc | aggacgtgcc  | atcagacggg  | aaagatttcg  | 3055080 |
| aaggacgaaa  | agccacttgt  | cgaacatcgt | cacaagctcg  | tcctccgact  | tggtgaactt  | 3055140 |
| gggcatttcc  | agatagatga  | acgtgagctt | gtcgtaaaac  | acctgcttgg  | tgcatatc    | 3055200 |
| catcagctgg  | acctcatggt  | ggaagtaatt | gtcgtcttcc  | gagtcgaact  | tgaaattcag  | 3055260 |
| aataaccgatt | acataaacgg  | ctttcaagcg | atagtccac   | tcccctttct  | caccctgctc  | 3055320 |
| gcggatggga  | aatgtggcgt  | aataaaggct | acggtccttg  | aagaactgct  | gctcgccacg  | 3055380 |
| ctgcatctct  | atcagaatct  | tctcgccgcg | ttcggttctca | cagtaaacat  | cgaagacggc  | 3055440 |
| acgccggtct  | gcctccgaag  | tgccagatg  | ttccgtattc  | aggtaagtca  | ggtcgaggat  | 3055500 |
| cacttccttg  | ccgctcagca  | ggctgttgat | aaaacttatc  | aaaagttcct  | tggtcatctc  | 3055560 |
| cgtaccgaaa  | agcatcttaa  | aaccgaaatc | ggtatacggg  | ttgatgtatc  | ggtctctaaa  | 3055620 |
| tattctgttt  | gacataaact  | tatcggttga | tctgacacaa  | aagaatcaaa  | aaaaaaacat  | 3055680 |
| ttttccaaat  | gtaactgtcc  | ttttcagttg | tgaagaatcc  | ataacaaacc  | aaagagatga  | 3055740 |
| tctatttgca  | ttgcaacaaa  | gacacagcca | attgtttttc  | ccgaaaaaat  | tagtaccttt  | 3055800 |
| gcccagagaaa | gtatctaata  | acaaacgcac | taagctatac  | acatgaaaat  | agaagataaa  | 3055860 |
| ctgactgcct  | ccgtcatcaa  | cggggtaaaa | gaattgtacg  | gtgcagaagt  | tcctgcaaaa  | 3055920 |
| atggtgcagc  | tacagaagac  | taaaaaagag | tttgaaggtc  | atcttacgct  | cgttgtcttt  | 3055980 |

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|             |             |             |             |            |             |         |
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| ccttttctga  | aaatgtcgaa  | aaaaggtccg  | gaacagactg  | cacaggaaat | cggcgaatac  | 3056040 |
| ctgaaacagc  | acgaaccggc  | tattgccagc  | tataatgtaa  | tcaaaggggt | cttgaacctg  | 3056100 |
| actatcgcat  | cggatgtatg  | ggtagaactg  | ctgaaccgta  | ttcacgctga | tgcacaatgg  | 3056160 |
| ggtatacaaa  | aggctgcgga  | agatgcgccg  | ctggtaatga  | tagaatattc | ttctcctaac  | 3056220 |
| acaaataaac  | cgctccacct  | gggacatgtc  | cgcaataact  | tgctgggtaa | tgcgcttgcc  | 3056280 |
| aacattatgg  | ctgccaacgg  | aaacaagggt  | gtaaagacaa  | acattgtaaa | cgaccgtggt  | 3056340 |
| attcatatct  | gcaaattccat | gctggcgtgg  | ctgaaatatg  | gtaacggcga | aactcccga   | 3056400 |
| tcatctggca  | agaaagggtga | ccacctgata  | ggtgattatt  | atgtagcttt | cgacaagcat  | 3056460 |
| tataaggctg  | aagtagctga  | actgatggaa  | aaaggctctga | gcaaggagga | agctgaagct  | 3056520 |
| cagtcaccgc  | tgatgcagga  | agcacgtgag  | atgctccgta  | aatgggaagc | aaacgatccg  | 3056580 |
| gagggtccgtg | cgttgtggaa  | gaagatgaac  | gactgggttt  | atgcaggatt | cgatgaaacc  | 3056640 |
| tacaagatga  | tgggtgtcag  | cttcgataag  | atatactacg  | aatcggaaac | ttatctggaa  | 3056700 |
| ggtaagaaaa  | aggtagctga  | aggactggaa  | aagggtactt  | tctaccgcaa | ggaagatggt  | 3056760 |
| tctgtatggg  | ctgatctgac  | tccggaaggt  | ttggatcata  | agctgttgct | gctggtgcgac | 3056820 |
| ggtacttctg  | tctacatgac  | tcaggatatc  | ggtactgcca  | agctccgctt | ccaggatttc  | 3056880 |
| ccgatcaaca  | agatgattta  | tgtagtagga  | aacgaacaga  | attatcactt | ccaggtagctt | 3056940 |
| tctattctgc  | tcgacaagct  | gggattcgaa  | tggggcaagg  | atctggttca | cttctcttac  | 3057000 |
| ggtatggtag  | aactgccgga  | aggtaagatg  | aagagccgtg  | aaggtagcgt | tgctgatgct  | 3057060 |
| gacgacttga  | tggaggctat  | gatagaaaca  | gctaaggaaa  | ccagcagtga | actgggcaag  | 3057120 |
| ctggatggcc  | tgactcagga  | agaagcaaac  | gatatcgcac  | gtattgttgg | tctgggtgca  | 3057180 |
| ttgaaatact  | tcattctgaa  | agtggatgcc  | cgcaagaaca  | tgacattcaa | tccgaaagaa  | 3057240 |
| tctatcgatt  | tcaacggaaa  | tacagggtccg | tttatccagt  | acacgtacgc | acgtatccag  | 3057300 |
| tcaatcttgc  | gtaaagcagc  | cgaagcaggt  | atcaccattc  | cggccgttat | tcctaccggt  | 3057360 |
| gtggaactga  | gcaccaaaga  | agaaggactg  | attcagatgc  | ttgccgactt | tacaaatgta  | 3057420 |
| gtgcgtcagg  | ctggcagtgga | ttacaatccg  | tctattctcg  | ccaactatgc | ttacgagctg  | 3057480 |
| gtgaaagaat  | acaaccagtt  | ctaccacgat  | ttcagcatcc  | tgcgcaaga  | aaatgaggcg  | 3057540 |
| ttgaagatat  | tccgccttgc  | attgagccag  | aatgttggaa  | aagtcgttaa | actggctatg  | 3057600 |
| ggactgctgg  | gtattgaagt  | tcctgaacgt  | atgtaatcag  | aaaacggaac | aatcaatcat  | 3057660 |
| atagtttttc  | attcaccacg  | ggttatacag  | accgctgcac  | gttaatacgt | gaaactctgc  | 3057720 |
| gtaacctgtg  | gtgatttggg  | ttataacata  | ttctcactaa  | aaatctatgg | caaagcagca  | 3057780 |
| aaaattttat  | gtagtatgga  | aaggcgtgga  | accggggata  | tattcttcgt | ggactgactg  | 3057840 |
| ccagttgcag  | attaaaaact  | acaaaggagc  | aatatataag  | tctttctcta | cccgtgaaga  | 3057900 |
| agcagagcat  | gcttttgcca  | ctccggcgca  | tcattacctg  | aaaggaagcc | gttcacaagc  | 3057960 |
| aagtgaaccg  | gcagagaaaa  | aaatccctga  | aaacttcgac  | ttgaactgtc | ttgccgtaga  | 3058020 |
| cgcggcttgc  | agcgggaatc  | cgggaccgat  | ggaatacaga  | ggggtatatc | tgctgaccgg  | 3058080 |
| acaggaaata  | tttcacttcg  | gaccgatgta  | tggtacaaat  | aatatcggag | agtttcttgc  | 3058140 |
| catcgtagac  | ggactggcac  | tgatgaaaca  | gaaaggatgc  | aatatgccta | tctattccga  | 3058200 |
| cagccgtaat  | gcactgaact  | gggttaaaca  | gaagaaatgc  | aagacgaagc | tcgagcgtac  | 3058260 |
| ggagaaaaaca | gaaaaattat  | tccagctcat  | agaacgggca  | gagaagtggg | tgcatgagaa  | 3058320 |
| ccaatatacg  | actcccctgc  | tcaaattgga  | aacagatagc  | tggggagagg | tcccggcaga  | 3058380 |
| ctttggcagg  | aagtaatttc  | tgcctcatca  | aacggcctgt  | ctgcgcctca | gataatgcgc  | 3058440 |
| ataccgggga  | taatttcttc  | tcaggtatct  | taatgccttt  | cgccatagtt | tctggctgag  | 3058500 |
| caggaaaaagt | aaaaagatag  | tacctactat  | acacacagca  | ccaaacagct | ccttcagact  | 3058560 |
| cgttaaaagt  | gtctgatggg  | ttacttctgc  | gtaaagctgc  | tgaatggaaa | cattgggcat  | 3058620 |
| ccattctttg  | accagatcaa  | cctgacggct  | cagcaaaccg  | atattatctt | gctgcatgta  | 3058680 |
| tttcaaccaa  | cgattcaaga  | tggctgtacc  | gagaggagta  | gcaatactgg | tacggataaa  | 3058740 |
| actcagcaca  | cacagtcctt  | gaaaaaaatg  | tttgaacgga  | acagtcttgg | ctacataaat  | 3058800 |
| cgctcagcgaa | atatacagaa  | tgccatgtcc  | cagtcctttt  | aggaaattag | gtatataaaa  | 3058860 |

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|             |            |            |            |            |            |         |
|-------------|------------|------------|------------|------------|------------|---------|
| actttcgata  | ttcaaattag | gatcgatcaa | gaaatacatg | tagtactgat | agaccacaat | 3058920 |
| cagcatgaaa  | cctacggtaa | tcaacagttt | atataccttt | cgcagaataa | cctgacggta | 3058980 |
| gaaaacaact  | ccagcacctg | ccagtatacc | gataaagacg | caccagttaa | tggacacggc | 3059040 |
| attcaaggca  | tcatatttca | agacagtccg | cataaacatt | tcctgcaaaa | cggatgaggt | 3059100 |
| cgtaagaaac  | aggcacaaca | tcagaaaaag | gaaaagaata | gtcgggaaat | gacgatactt | 3059160 |
| gaaaacgtga  | ggatcgatat | aaggatgacg | acaggtagtc | atacgattga | tattaatcat | 3059220 |
| tacagctatc  | actgccacta | cgatacaact | acgaatcaac | ggactatcca | gccagtcgta | 3059280 |
| atatttctccg | tagatacaaa | caaacacaat | ggagaacaat | acaactcccc | acagaatacc | 3059340 |
| tcctatccag  | tcaataccgt | acaggggcat | cttttttgca | atacgaaacg | gtctggtaag | 3059400 |
| aaagaatata  | cagaaccata | ccactgcaag | cagaccaata | accagccagt | gcatgtactg | 3059460 |
| ccagttcgcc  | cagtcgctga | tatgtgtagc | tactaatcct | gaaagctgaa | tgctttcgag | 3059520 |
| tacgatgata  | tagatgacag | gataaaagac | cgagaaattt | ccggaaggag | taacactcag | 3059580 |
| acgaatgttc  | gaaaagcatt | caaagggttc | ccacatacgg | aagaatccgg | aaacaaaaca | 3059640 |
| tgtgacaacc  | agtacaaaga | tgtttccggg | atgcatcggt | atcagattgc | aacaaataag | 3059700 |
| taccggacat  | actgtaagaa | agatacgacg | ggtggtgaaa | cggaacttca | gacggaacag | 3059760 |
| gatagggaaa  | ataagcgtca | tacctatgaa | ggaggcatat | cctgccatca | tcacatcttc | 3059820 |
| cttgaggcat  | cctaattgcg | tcgacatctg | tacggaagtg | ggaagaaata | ctcccccggt | 3059880 |
| gaactgaaag  | atcaatgcaa | aaaacatgga | aagaagtacg | cacaacgggg | tcggaaggta | 3059940 |
| ttctttaaaa  | tacaagattc | ttggacgctg | ctctgctgcc | atatctacgt | ttctcttact | 3060000 |
| gtagttttac  | gtaacattct | acgttcattc | cggcacgcag | acggttcaga | ttctctttac | 3060060 |
| tggtgttttc  | ggtaaattcg | atgcggaccg | gtattcgctg | ttctaccttg | acaaagtttc | 3060120 |
| cggccgaatt  | atcctgaggt | atcaatgaat | agaatgagcc | tgtagcatcc | gatatagata | 3060180 |
| cgatacgtcc  | ttcgtaaagt | actcctggaa | tggcatccac | attcatttca | acacgctggc | 3060240 |
| cttgtctcat  | atctgtggtc | tgtgtttcct | tatagttggc | tatcacccat | ttctctgtac | 3060300 |
| catctaccag  | cgtaaccagt | gtctgtcctg | actgaaccaa | ctcgccttcg | tgaatattct | 3060360 |
| tacgaccggt  | cacgccgtcg | gctgtagcac | aaattactgt | atacgacaag | ttcagcttgg | 3060420 |
| ccagattcaa  | ggcggcttct | gccagcttga | tatccgattc | attctgctcc | agacgctgtg | 3060480 |
| tctgtcctcg  | ttttaccagc | tccgacgatt | ctttctggcg | aaccagctgt | tcatatttgg | 3060540 |
| ctttcgttgc  | agcataatcg | gtctttacac | gatcgaactg | ctggggagtt | acagcctctt | 3060600 |
| ctttcatcag  | ttcggcataa | cgcttgtaat | cggtttctgc | attctgaagg | cgtaacgcgt | 3060660 |
| gctcttcgat  | agctgcctcg | gtaacgtaga | tattgctctg | tgtcgtattg | atagtgggat | 3060720 |
| gcatggcact  | ttttcctgcc | agtgcattct | ggtagtcagc | ctcagcctga | gccaccttca | 3060780 |
| acagatactc  | tgtgttttct | attaccacca | gggtatctcc | tttcttcaca | gactgatatt | 3060840 |
| cctcaaaaata | gattttcttg | atgaagccct | gtacacgggt | attaatcgga | ctcaaagtgt | 3060900 |
| gcttgatctg  | tgcattatcc | gtatattcta | catcgcccag | atgaatgaat | tttccacata | 3060960 |
| cccagctgat  | gcctcccgcc | agtaccaatg | caataaaaaa | attcgggata | gctcttcttt | 3061020 |
| tatttttttat | cataacgtct | tcctttattt | attatagctt | tatcagagat | ttccagttag | 3061080 |
| ttttttcaat  | aaataatact | gatacaagat | acctatctgg | tagtttgcca | actgcaattc | 3061140 |
| catatccaac  | tgcgtattgc | tggcatccag | catgtcggta | atcagtgcca | gtccgttcac | 3061200 |
| ataccgttga  | cgcacaatat | tgaagttctc | atgtgccaac | tgtacgctct | ttttctgcgt | 3061260 |
| acgcaaacgt  | atgtatgcct | cattcagatt | gacataggcc | gcatgaatgt | tattttctgc | 3061320 |
| ttcttcttcc  | gccagactgc | gtgcctgctc | catttttctg | gttgccagtt | gtgcctgctt | 3061380 |
| cagcttcttt  | ttactcttaa | acaaagcatc | gatattatac | gaaatgccta | caccggcata | 3061440 |
| ccagtaggtg  | aagttgttgt | tcaatggagg | aacctcgacc | agaataggac | cggtaaaatc | 3061500 |
| gtttgccgca  | accagactga | ttttcggcct | tctctcgga  | cgaatcagct | ccagcttatt | 3061560 |
| cttttcttgg  | ctaattctta | catctgccag | cttgagcgac | ggggatagag | gtatctcctg | 3061620 |
| catccattcg  | gcttcttccc | tatgtctaac | attgattttc | agcaattcgg | ttgtatcggg | 3061680 |
| gagaatcagc  | acaccaggct | caagaccgat | agctgttgcc | aacttatggc | tcagcacatc | 3061740 |

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|             |             |            |             |            |             |         |
|-------------|-------------|------------|-------------|------------|-------------|---------|
| aatcttatcc  | ttgacggaag  | tcaacgaaag | ctccagactc  | tgaagctgaa | gttcgtaacg  | 3061800 |
| agtaatatcg  | cttttcaaag  | ctgttccctg | acgataagat  | gccctcatat | cctttaccag  | 3061860 |
| caaacgagtc  | tgtgaaatat  | tgctttcata | cacacgtttc  | tgattgttca | gctggaaaag  | 3061920 |
| atccagataa  | tatcccgtca  | gaagaaaacg | gatatacctga | cgatttcctg | catattccag  | 3061980 |
| ctctgcctgc  | cgctgctgta  | acttgctccg | ctctatccca  | ttcgttattg | ctcctccggc  | 3062040 |
| ataaaccacc  | tgacttgcct  | ttacgacaaa | agaattgccg  | aaatgaggca | tatcagcatg  | 3062100 |
| aaccgcattg  | gaaaaatttc  | tatcggtcat | cactccgtcg  | cctatgtact | taaaatccat  | 3062160 |
| ctgcgcctga  | atggatggca  | agcgatcggt | gcaagctacc  | tttactgcct | gttctgcttc  | 3062220 |
| agatatggcc  | agatcataca  | accgaatgct | cttggtgtgc  | tgatcggcca | gctgaaacat  | 3062280 |
| ttcatcgact  | gtcaacgaac  | gagtcctggg | tgacacactc  | cccaataaac | ctaaaaaaac  | 3062340 |
| aacactaact  | aataataactt | tttttatcat | acacttggtt  | agcctttatg | taattgatac  | 3062400 |
| cagacaacta  | aattctcatt  | cctgtatctg | gtgcctgcaa  | agaaatcact | atctccctgc  | 3062460 |
| atccttcagg  | ttctcttcga  | accagctgac | tactttttct  | ataacaggac | gttggtacca  | 3062520 |
| ataaaggcca  | ccatgtcctg  | caccctctac | cacaataata  | ttacttttat | tccctttctt  | 3062580 |
| taccagctca  | ttatacagct  | gttacttttg | caccggcgat  | accagctggg | cgttcgatcc  | 3062640 |
| atgcataatg  | agaaaaggag  | gcataccctc | tttcacatgt  | cccatcggac | tagcctccat  | 3062700 |
| tgctttctgc  | ggatcactca  | atatactctt | tcctgcaaaa  | tcggcaaagg | ccgggtccata | 3062760 |
| tagcagcaag  | gcctctgtta  | cggctggtga | agcatgtatg  | tcttgatatc | ccttggaata  | 3062820 |
| accttcaccg  | atattcatca  | gattgctgat | accataaatg  | gtaacagcag | cctgtacgtc  | 3062880 |
| agaggactgg  | tcaagattat  | ctccctgatc | aaattgtttt  | tcaccattgg | tcgttcccat  | 3062940 |
| catctgagcg  | acataccctc  | cggcagaatc | gccaaagcact | ccgatacggg | atgcacatgc  | 3063000 |
| acctagtccc  | ccggcatgtg  | cacgcaaaaa | acgtacagca  | gcctttgcgt | ccacgaccaa  | 3063060 |
| tgccggatac  | ttgtccggta  | caacgcgata | ttcggcagca  | gcaactacaa | aaccagcctt  | 3063120 |
| tgccagtgcc  | atacgcatct  | caaaaatatc | ttcgtgggca  | gccgaagtaa | atcctccgcc  | 3063180 |
| cgggtagaaa  | acaaccgcag  | gcttcagctc | cttggtacgt  | ggaatcagca | atgtcatttt  | 3063240 |
| caacgcacga  | ttggcgcgca  | gcgaagggtg | ctgagaatat  | actacccac  | tgataacatc  | 3063300 |
| aatctgacct  | tccgtaattt  | ttactttcaa | gacttccttg  | ccttcagcct | gagaagcatc  | 3063360 |
| gtttgtcaca  | ggagaggctg  | ccaatgaaat | gccatacta   | caagcgatga | gcatacaaac  | 3063420 |
| aaatctgatc  | atataatccag | ctttcatatt | attgtttcaa  | ataaattata | tccgagtttt  | 3063480 |
| cataaaaatag | atacatgtgt  | aaaatagata | catgtgtgaag | atagaacatg | tgtaagggtcg | 3063540 |
| cacaaaaagt  | tggatgagag  | tgcttttccg | gtgtaatgcc  | gataatttat | aatcatattt  | 3063600 |
| attttgtcat  | gcaaaagtaa  | gcttttat   | ttgtctccgaa | tttacacatt | acgcaacaat  | 3063660 |
| attaccaata  | tacgccaaaa  | gcgaaccatg | aatacagagc  | aacaagaata | tatatcactg  | 3063720 |
| ataaaccgtt  | cggcaccaga  | cgacattctt | atcaagaaaa  | ccggatggga | agaaatcaac  | 3063780 |
| ttgcagggac  | atgtcacaa   | gaaattccag | attattttaca | ccctgtccgg | tacactccac  | 3063840 |
| gtagaaaccg  | aaggagctaa  | ttatttcgta | ccgaaaagc   | atatcgcatg | gattcccga   | 3063900 |
| aatgccagcc  | ataagttgtc  | cagcaacagc | cggcagggtt  | cgcttatcat | cttctatgta  | 3063960 |
| actctgaacg  | tgacacccga  | tgacagcaaa | agccgttttt  | cgatatacag | caccaacgct  | 3064020 |
| atcatcgcg   | aaaatatgaa  | atttatcgct | tcaaaaggga  | aactgataac | ccaaaaagaa  | 3064080 |
| cagcccgatc  | tatacaactt  | cacgctgagc | ttctttaatc  | tgcttcaca  | aatgtcgccc  | 3064140 |
| ggggccgatg  | tactgtgtaa  | aacacttggt | atccccaacg  | actcccga   | acatcccata  | 3064200 |
| ctggactaca  | ttgtggaaca  | catccacgaa | gagctgaaca  | tggaacagat | tgcatcacia  | 3064260 |
| tacaatctgt  | ccgtacgcaa  | tctgagccgg | ttgtttcata  | cctcagggtc | tcatcttcagc | 3064320 |
| agctacgtga  | atcacctgcg  | aattacacgg | gccatcgaac  | tgctgaccga | cggagaatat  | 3064380 |
| acggtacagg  | aaatcgcccta | taaggtagga | tttaatactc  | ccaacaactt | caacagagta  | 3064440 |
| ttcaagcaga  | ttacaggcaa  | gtcgcccaaa | gcatacatta  | cgggagtctg | aaaagcaaat  | 3064500 |
| ataacaaaaa  | gccagagtac  | aaacaccaag | atggcttagc  | cgacaagcca | aaaatatgta  | 3064560 |
| tctttgcctt  | attaaactta  | agaatatatg | aaaaaaagaa  | tcgcctatct | ggtattgttc  | 3064620 |

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|             |            |             |            |            |             |         |
|-------------|------------|-------------|------------|------------|-------------|---------|
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| gctcccggaa  | gagcagttcc | gtttgttggc  | tacctgcagg | tcatgctgca | cggaataagc  | 3064740 |
| ctcgatgccg  | caaccacagg | ttacctgaca  | gcccttccat | ggctcacgat | actcatcagc  | 3064800 |
| atctggttta  | agaaatttcc | gttacggagc  | atactgaccg | gatactatac | cgtaatctgc  | 3064860 |
| ctgctagtat  | cactcatctt | tgtagggtgac | atgtgccttt | acccgttctg | gaacttcaag  | 3064920 |
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| ttcaatttct  | tcgatgaaat | gcatcgggaag | gaattattcg | ataacttata | ccctaccgga  | 3065340 |
| ggaaaaaata  | ccatagaact | gctcaacacc  | aaacgtccga | atatcctgat | tatcctgatg  | 3065400 |
| gaaggtttct  | gagccactat | ggtagaatca  | ttgggaggtg | taaaagggtg | cagcccgaac  | 3065460 |
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| accgacagag  | gtacagtctg | cacatttagc  | ggctatcaga | gctttccaga | cctttcggta  | 3065580 |
| atgaagatac  | cagccaagag | ccgaactttg  | ccttccatcg | ccggaact   | ggtaaaagaa  | 3065640 |
| ggctatcgta  | ccgacttcct | atatggaggt  | gacattaatt | tcaccaacat | gaagagttat  | 3065700 |
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| cagaacgcgt  | ggggagtga  | cgatgatatt  | accttcgatc | acctctacca | aatgctgaaa  | 3065820 |
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| gaagtccct   | atcaccgcct | gaaggaaaag  | cagcccaatg | cttttgcat  | tacagaccat  | 3065940 |
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| tggaattttg  | gaggaggctg | tgcctttgcc  | gacagtaccg | gaattacact | catggacctt  | 3066300 |
| aacgtggacc  | aaccggtact | ggaaacgcct  | tcaccaacg  | agaaccgtat | tttacgaggt  | 3066360 |
| aaagccattc  | tgcaaagttc | ttacgatgac  | ctgggtacaa | gataataagt | catagagaaa  | 3066420 |
| tcatctttat  | acagcaacaa | aaaactcatc  | gccggacccc | tgataacaat | atggtctgac  | 3066480 |
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| ttcatatcct  | tcgtgaatc  | ccaacttctg  | caagtattcg | gctgcctcag | ggcttctcat  | 3066660 |
| aaagcgtgcc  | ggagtacca  | gacaacaact  | gccgataccc | atagaccaag | cagaaatcat  | 3066720 |
| catgttctca  | gctagcagtc | cgcagtcaaa  | aggagaactt | tctgattgtg | tatcacgacc  | 3066780 |
| gataaacacc  | accgtaggcg | cattgcggaa  | catattctta | aaagtccgat | cttcggcaac  | 3066840 |
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| tacacgtact  | tcccatgcct | gacgattcat  | agcattagga | gcattgatac | cgcactccac  | 3066960 |
| aatggtctgc  | atcttttccc | gttccactgc  | ttgcggctta | tactgacgga | tgctgcggcg  | 3067020 |
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| tagatttttt  | tccgctatta | caagactttt  | ccctcaagaa | aatcagcaac | aaccatcaga  | 3067320 |
| cgcgaaacaa  | aaaaataaga | ggataactct  | tcgagtaccc | tcttacgctg | attatcttgt  | 3067380 |
| aacgttaagt  | tctgattaca | atttcggacc  | agcagcaacc | aaagctttac | cagcttcggt  | 3067440 |
| acctgtgaac  | ttagcgaagt | tcttgatgaa  | gcgagcagcc | aagtctttag | ctttttcttc  | 3067500 |

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| agaaccatcc | aggatagcgt  | cgatgatacc | acgagtatca  | cggatagaaa  | tacgtttgcc  | 3067680 |
| agttccgttc | caaccagtgt  | taaccaagta | agccttagca  | ccagtcattt  | tcatcttctt  | 3067740 |
| aaccagttct | tctgcatatt  | tagttgggtg | caatgacaag  | aatgcagcac  | cgaagcaagc  | 3067800 |
| agagaatgtc | ggagtcgggt  | cagtataacc | acgttctgta  | ccagccaact  | tagcagtaaa  | 3067860 |
| tcctgacagg | aagtagtact  | gagcctgttc | ttcgttcaag  | atagatactg  | gaggcaatac  | 3067920 |
| accgaatgca | tcagcagaca  | agaagataac | ttgttttgcg  | tgaggacctt  | tagaaaaccgg | 3067980 |
| tttaacgatg | ttgttgatgt  | ggtagatagg | ataagaaaca  | cagtggtttt  | ctgttacgct  | 3068040 |
| cttatcagcg | aagtcaatct  | taccgttagc | atctacagta  | acgtttttcca | gcaaagcgct  | 3068100 |
| acgtttaata | gcgttgtaga  | tatccgggtc | agattccctta | tccaagttga  | taaccttagc  | 3068160 |
| gtagcaacca | ccttcgtagt  | tgaatacacc | ttcgttatcc  | catccgtgtt  | cgatcatcacc | 3068220 |
| gatcaacaga | cgtttcgggt  | cagtagacaa | agttgtctta  | cctgtaccag  | acagaccgaa  | 3068280 |
| gaagatagct | gagctcttgc  | cttccttgtc | tgtgttagca  | gaacagtgca  | tagaagcgat  | 3068340 |
| accacgcaac | gggttgaagt  | agttcatcat | agagaacata  | cctttcttca  | tttcaccacc  | 3068400 |
| gtaccaagtg | ttcaggataa  | cctgttcctt | agtagtcaag  | ttgaatacaa  | cagctgtttc  | 3068460 |
| tgagttcaga | cccagttctt  | tgtagttttc | aacttttagct | ttagaagcgt  | tgtaaacaac  | 3068520 |
| gaagtcaggt | tcgaatgatt  | ccaattcttc | tttagaagga  | cggatgaaca  | tgtagtttac  | 3068580 |
| gaagtgaagg | tgccatgcaa  | cttccatgat | gaaacgaact  | ttcagacgag  | tagcttcggt  | 3068640 |
| agcaccgcag | taaccatcaa  | ctacatacag | tttcttggtt  | gacaattctt  | ttgaagccaa  | 3068700 |
| agctttcaaa | gcgttccaag  | tttctgtagt | aacaggtttg  | ttatcggttt  | tgtattcttc  | 3068760 |
| tgaagtccac | catacagtgt  | tttacttgt  | agcgtctttt  | accaagaatt  | tatcttttagg | 3068820 |
| agaacgacca | gtgtagatac  | cagtcattac | gtttactgca  | cccagttcag  | ttacctgacc  | 3068880 |
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| agacacaacc | cgtttacacc  | tgatataatt | cacgaattat  | ccgtatattt  | gcggcataaa  | 3069600 |
| catgtaacaa | tcaaaaaaga  | gaaacaatct | atgaaaattg  | tagaactgaa  | ccggaataat  | 3069660 |
| agtattctaa | accagtatct  | ggcagagatt | cgcgatgtaa  | atatacaagg  | tgacagcctg  | 3069720 |
| cgtttccgcc | gtaacattga  | gcgtatcgga | gaaatcatgg  | catatgaaat  | cagccgtgac  | 3069780 |
| cttccttatc | aaccattgga  | aatacagacg | cccttagcca  | tggcaaccga  | aaatgttcct  | 3069840 |
| gtcatacagc | ctgtcattgc  | tactatcctg | cgtgccggac  | tgccgctgca  | ccggggattc  | 3069900 |
| atcaattatt | tcgaccacgc  | tgagaatgct | tttgtttcgg  | cttaccgcaa  | atacatagat  | 3069960 |
| gccgacaatt | ttgatattca  | tatagagtac | attgcttctc  | cacgtctgga  | cggaaagaca  | 3070020 |
| ctgatttctg | tagacccgat  | gctggctaca | ggcggttcaa  | tggagcttgc  | ctacaaagca  | 3070080 |
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| ttgtgttacg | gagaaaaaga  | atagaccgtt | ttggaacaga  | cccgttctcg  | tttcgaaaac  | 3070320 |
| tcacgagcaa | atctgaatta  | ttttttgtac | aaaaactaaa  | atcttttgta  | caaaaaaaat  | 3070380 |

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| aaaaagataa | ggccgtttct | cttcttttctt | gcagagaaac | ggcctatatt  | ttaaagagat  | 3070440 |
| ttcatcttgc | attcacgacg | ttcaatagtc  | tatgttagtg | caagcatatc  | tctgtctgtt  | 3070500 |
| aacggattat | tttatctccc | aagtatcatt  | ggtagctagc | agttcggcaa  | aattatgata  | 3070560 |
| tttcttcttt | gctgagactt | cttctatctg  | tgcttcgaca | gccgcatcgt  | aggctcgagc  | 3070620 |
| ttctacatca | cgaatcactc | ccaaggctat  | cgggaaatca | ggaccttcca  | tcagagccag  | 3070680 |
| cttcagctga | agagtatggg | cttcacagtg  | agcatcgtgt | accagaatat  | ctttttccgt  | 3070740 |
| aataccgttt | tcgccaatt  | tgacaacctt  | cagtcggaaa | ccttcctgca  | tcaatccaaa  | 3070800 |
| ttccttattc | ggaccgaaca | gcacggtctt  | accgtgctcc | agataaatgg  | cattacgctc  | 3070860 |
| acggtcttcc | ttcttcgcta | cagcgttgtg  | ggttcgctcg | ttgaaaatca  | cacagttctg  | 3070920 |
| aaggacttct | actaccgatg | tccctttatg  | gcgggcagcg | gctttcaaaa  | cgtaacaga   | 3070980 |
| agggcctccg | tcgactgcc  | cacaacgggc  | gaagaaacgt | ccgcgagcgc  | caaagcaca   | 3071040 |
| ttcagccgga | cggaacgggt | cttctaccgt  | accgatggc  | gatgacttgc  | tgacaaagcc  | 3071100 |
| acgtgctgaa | gtcggagaat | attgtccctt  | ggtcagtcgg | taaatacggg  | tattcaataa  | 3071160 |
| aatgatgtta | atatccacat | tacggcgaat  | ggcatgaatg | aaatggttac  | caccaatggc  | 3071220 |
| cagtcctgtc | ccatcacctg | aaatctgcca  | gatggtaaga | gcgggattca  | ccactttggc  | 3071280 |
| acctgtagca | atggctgcgg | cacgtccgtg  | aatggatg   | atgccatagg  | tattcatata  | 3071340 |
| gtaaggcaaa | cgcgacgaac | aaccgattcc  | tgaataacg  | gctatttcgt  | gagggtgtac  | 3071400 |
| tcccagttcg | gccaatgcct | tatgaaagga  | attcagaaat | gcatggctgc  | cgcatcccgg  | 3071460 |
| acaccagcgt | ggctgaccag | ccttgtaatc  | tgctgctgta | tattttgttt  | cgctcattgt  | 3071520 |
| ttattcctcc | attaatttag | tgaatgcttc  | aaccagttcc | tgtacgacaa  | aaggctgtcc  | 3071580 |
| ctttacctga | ttgaactgat | gcaggtggat  | accttcaact | ttcatgcgca  | agtaacctgc  | 3071640 |
| caactgtccc | atattttgtt | cggctactac  | aatcttctta | tagcgacgga  | gtacatcttc  | 3071700 |
| tgtattctta | ggcaaaggat | tgatgaattt  | gaaatgagcc | agtgcagcct  | tctttccacg  | 3071760 |
| tttattcagt | tcatccatag | ccgaatgcag  | atggccgtat | gttccgcaa   | agcctacaat  | 3071820 |
| cagcaagtcc | gcacccggat | tgccttcaat  | cttcagttct | ggagtagaat  | cggcaatctt  | 3071880 |
| cgccactttc | tcggcacgca | gatgagtc    | cagattatga | ttttccggct  | cagtagaaat  | 3071940 |
| agctcctgtt | tcgttgctct | tttccaatcc  | accgatacgg | tgcataaagc  | cttccatacc  | 3072000 |
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| caccaacggc | agttctgtaa | tcaccgcaa   | gttcattggt | tcactcttca  | ggcagatacc  | 3072420 |
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| cagatcgcg  | tttgtaaaag | aatcagtatc  | gataataata | accgactgag  | gtttgcaaaa  | 3073080 |
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| cggagtatat | acttttccgg | aaccaatgtg  | tacctgaaat | cctgatactc  | cgggtcaatgt | 3073200 |
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| cgagaagcga  | acaactacat | catccagctc | cttgactatc | atctctctg   | ccataatatg  | 3073380 |
| ctattttaaag | tttacaatt  | cactagtcgc | aaaattggcg | aacttccttt  | aaaaatcaaa  | 3073440 |
| ataaaactgc  | atattttca  | tttgtaaagg | tatacctcaa | gtttttcaaa  | caataatagt  | 3073500 |
| agaatattct  | gaaaaaacag | taaatttgca | atccctgccc | ttgtagttca  | acggatagaa  | 3073560 |
| tagaagtctt  | ctaaactttt | gattcgggtt | cgattcccga | cgagggtact  | ttcacaaaaa  | 3073620 |
| aaaggccatg  | tcaaaagaca | cagcctcttt | ccgaaaaaca | aattagagtt  | ttattctgct  | 3073680 |
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| ccctgacctt  | ctgccgtaat | acggttttct | tttatcttgt | acttggttcat | caagatcggt  | 3073800 |
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| gaagcatatc  | ccttaatcac | tacagtgtcg | gcaggattgt | tcttcatgta  | ggtagcaata  | 3073920 |
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| accgattcca  | atgacttgga | atgagtgttc | tgaaccaccg | tttcaacctt  | tgcaggagca  | 3074040 |
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| accccgatgt  | accaattgtc | aaaaaacttg | ttacctacgt | atgcatcctg  | tgcattactt  | 3074760 |
| gctacagcaa  | cagcagcaaa | tgccattgcy | aagagaaatt | tttttctcat  | acttttttaa  | 3074820 |
| tcttaaaata  | gttagttagt | tgtttttggt | tcttactggt | catatataaa  | acaaatctac  | 3074880 |
| ttggactttg  | ttcataaacc | agattcacat | gaaaaaataa | gaactgttcc  | caacatatag  | 3074940 |
| aaaaatcaaa  | tttaaagtat | gaaatcggcc | aataaagtcc | ttaccctgag  | aagaaaaaag  | 3075000 |
| agtactaaaa  | aacccttgcc | atcgtttgat | gacaggggct | atttttttca  | aaaaatatatt | 3075060 |
| tatagaaggt  | atggattaag | cttctgctcc | ttctgtatct | ttcattttat  | gtcccattgt  | 3075120 |
| cagataagca  | accggagctg | caacgaacaa | tgaagacaga | gtaccgataa  | caacaccag   | 3075180 |
| aatcattgcy  | aaggcaaacg | tgccgatact | gtcaccaccc | aggataatga  | tactcaacaa  | 3075240 |
| tacgatcaat  | gtacttaatg | aagtattgat | agtacgagcc | aaggttgtat  | tcagtgaatc  | 3075300 |
| gttgaacaat  | tttgcacggt | cacgcttcg  | atacaagtgg | aagaactcac  | gtacacgggtc | 3075360 |
| gaagataacc  | accttatcgt | tgattgagta | accaatagct | gtcaagatgg  | caccgataaa  | 3075420 |
| cgtctggtcg  | atctccaatg | agaatggtaa | aataccatac | cagagagaat  | acataccgat  | 3075480 |
| aatcaatacy  | gtatcgacaa | ccagcgcaac | tgtagcacc  | acactgtagg  | caatgttgcy  | 3075540 |
| gaaacgaatc  | aatatataca | gaccgattgc | gatcaaagcc | aaaacaactg  | accaaatagc  | 3075600 |
| tgaagtcttg  | atatcatcgg | cgatactcgg | acctactttc | tgtgaactga  | tgattgaacc  | 3075660 |
| acctacacgg  | ttatcgcggt | cgataaagat | ttcaagagta | gttcctttac  | ccagcaggtt  | 3075720 |
| accttccttc  | aaggcattgt | acaagaactc | ttcgatttcg | gcacgatttg  | taggagaatc  | 3075780 |
| ttcttcgata  | cggtagtgtg | ttgttacacg | aatagtctta | ccatctgtac  | ccaatgcyat  | 3075840 |
| agcctgtacg  | tttgcacgc  | ctaccttcg  | ctgaagcaga | tcacgcacgg  | tttccggctg  | 3075900 |
| taccggctgt  | tcgaactgta | ccacaaagtt | acgtccacca | gtgaagtcaa  | tactctgtgc  | 3075960 |
| cagaccacga  | acgaagaacg | aaatgatata | gataacgatt | acagcgcccc  | agatcatgaa  | 3076020 |
| agaacgtttg  | gtaacacca  | taaagttata | atgtacattc | tgcatcaggt  | tcttcgaaat  | 3076080 |
| gctggtagta  | aaggtcaagt | tcaaccactt | gtccttattc | atatagtgtt  | cgtaaaccag  | 3076140 |



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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| acgagtcaag  | aatacagcag  | taaagaacga | gcagaggata  | ccgataatca  | atgtagtggc  | 3076200 |
| aaaaccacga  | ataggacctg  | taccgaagtt | aaacaagata  | atacctgtga  | tgatagatgt  | 3076260 |
| caagttagag  | tcgaagatag  | cagagaatgc | attcgagtaa  | ccttcagaca  | acgcctgctt  | 3076320 |
| ggttccccta  | ccagctctca  | gctcttcctt | tgtacgttca  | taaatcaata  | cgttcgcatac | 3076380 |
| caccgccata  | cctaatagaca | ataccatacc | ggcaatacca  | gacatgggtca | atgcagcctg  | 3076440 |
| gaaggaagat  | agaataccca  | acgtaaagaa | gaagttaacg  | aacaaggcgc  | agttggcaat  | 3076500 |
| catacccga   | atgaatccat  | acatcacgca | catgtaaatc  | atcaggacaa  | ccagtgcac   | 3076560 |
| gataaatgaa  | acaataccct  | ggttgataga | ttcctgacct  | agtgcaggac  | ctacgatatac | 3076620 |
| ttcctgaacg  | atacgtgccg  | gtgccggcat | cttaccagat  | ttcaacacgt  | tagccaagtc  | 3076680 |
| tttagtctgt  | tccggagtaa  | agctaccaga | aatttcagac  | tgtccgcccg  | tgattttact  | 3076740 |
| atttacacgc  | ggagcactat  | atacatatcc | atccaatgca  | atggcaatag  | acttaccgat  | 3076800 |
| attctgtttt  | gtcagagtag  | cccaacgacg | agcaccttct  | gtattcatcg  | acatgtttac  | 3076860 |
| acaaggcttg  | ttgtattggg  | cgtaagaatc | tcttgcatca  | gttactacat  | caccttccag  | 3076920 |
| cggagcacgt  | ccgttacgtt  | ctgtagactt | gatagcatat  | aattcgaaga  | tacgtccgct  | 3076980 |
| cttgtcgaag  | tcagcagcag  | acacacccca | catcagtttc  | aaatcgcgag  | gcatctgctt  | 3077040 |
| ctgtattttcc | ggcatacgtat | agatacgatt | tacttcagca  | gtatcattac  | gatcagcgta  | 3077100 |
| tgcaactact  | gcacctaccc  | cattctgatt | caactgaaga  | atagaaagca  | acgggtgttc  | 3077160 |
| tttctttgcc  | tgttccatat  | tggctgtagt | tgcagctgtt  | tcacctttca  | aagccgcagc  | 3077220 |
| caaactatct  | tttgctgaaa  | cagcaggctg | atcaaccgca  | acagtatcag  | tcttgacaga  | 3077280 |
| atctgttgga  | gtagtactta  | gcaactcacg | ggcacggcta  | tcagcagaag  | ccaatgcagg  | 3077340 |
| aacgattttct | ttcgcttcga  | aagtttccca | gaattcgagg  | ttcgcagaac  | cttgcaacaa  | 3077400 |
| ttttctcaca  | cgttctgggt  | ccttaatacc | cggcaatttc  | accatgatac  | gttccatctt  | 3077460 |
| accttccagt  | gtctggatat  | taggctgagc | cacaccaaag  | cggtcgatac  | gtgtacgcaa  | 3077520 |
| tacgttatata | gaattgtcta  | ccgcagcctt | tacttcttcg  | cgcaatacag  | cttctacctc  | 3077580 |
| tgcactctgtg | ctacgtgtag  | ttacctgtgc | ttttaattgc  | tgagttgcga  | ataactctgc  | 3077640 |
| cagactacct  | tccggagcca  | gcttcttata | ttcacgaacg  | aaaattgtaa  | tgaagtcatac | 3077700 |
| ctgactgggt  | acttgttggt  | tggcagcctc | agacaaagcc  | ttgttgaaatg | cctcatctgt  | 3077760 |
| cttgttgta   | gccaaagcct  | tcacaacatc | tggcactgaa  | acttccaaaa  | taacgttcat  | 3077820 |
| accgcctttc  | agatcaagtc  | ccaatccgat | ttccatctca  | cgacactgtt  | tcagcgtata  | 3077880 |
| actgcccac   | catacctttt  | cattctgtac | tgaatcaagg  | tagtgagttt  | cccctttcgg  | 3077940 |
| atcctctgcc  | gcctttttca  | tatgatagcg | ggttacaaaa  | gagaacgaaa  | gatagaacac  | 3078000 |
| acatacaagg  | gtcagcaata  | tcgaaaaaac | ctttacgaat  | cctttgtttt  | gcatgttact  | 3078060 |
| ttaatttata  | tatttacttt  | ttaattaata | tacgtttatt  | caagggtgca  | aatatagttt  | 3078120 |
| ttttttcatt  | cacaaagga   | aaggtttcta | aatattttaag | ttttaaaagcg | taaaaaacaa  | 3078180 |
| ctattttgtg  | catttatatc  | gactgagaaa | tctgattttac | cgctgttttac | caaactacta  | 3078240 |
| aaaggactat  | ttttacaaga  | attctttact | ttacaacaaa  | tacacaaaaa  | aatccggaag  | 3078300 |
| gttaacttcc  | agattttctt  | tattgttttt | tctccaacaa  | acaccatact  | ggatagtggg  | 3078360 |
| cggaggcctt  | aatagaacgg  | tccacctgac | atttcaaaat  | gcggaagcca  | tcgctggcaa  | 3078420 |
| aaatatgggtc | aatacgaaaa  | tagaaatgat | tctcattgta  | tgtaaatccg  | ggaccggagg  | 3078480 |
| ctgcttttgc  | atatacatca  | ttcaatccct | gaccaatgac  | tcggtgagca  | tacgatatag  | 3078540 |
| gagagtcatt  | aaaatcaccg  | cataccagca | tgtaacgagt  | acggttatct  | aaaatagcat  | 3078600 |
| aagcaaccga  | atcggcttga  | ggagcacgta | tagcaactgc  | ttctgccaat  | ttatgtagta  | 3078660 |
| aataccggcc  | accatttttc  | acattttctt | cacgcggaga  | attcaagata  | tcattataaa  | 3078720 |
| cgactttatc  | atgtgcatcg  | agcttattcg | actcaagatg  | attattaata  | aggactaaag  | 3078780 |
| tatcttttacc | taatttttaa  | cgatataata | cacttccgtt  | atattggctc  | gaataatcca  | 3078840 |
| agcacgtctc  | cgataaaaata | ggataacggg | aataacatgc  | taatccactt  | cctcccttaa  | 3078900 |
| cgcgtatcat  | cttatgatata | ggataaacat | ccaatgcctg  | atccacttct  | ttctgtttca  | 3078960 |
| ctttcccgc   | cggcgtaaac  | tcttgagac  | aaataatatc  | cgcataccta  | ttccgcaaat  | 3079020 |

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|            |            |            |             |             |            |         |
|------------|------------|------------|-------------|-------------|------------|---------|
| aattgagtac | aggattgcct | tgctccctgt | cataatctct  | catcgagca   | atatcctgcg | 3079080 |
| tattgtaagt | cagcagtttg | atgacttctc | caccgtccgg  | ttccttttca  | gtaccagcg  | 3079140 |
| gacaatacgt | ccagatacta | ctccatccgg | caataaacac  | cagaagaggg  | aaaaaagcat | 3079200 |
| acttccacct | gatgcaaagc | caaattaaaa | gaaaaataa   | attgcctaaa  | aacaggaacg | 3079260 |
| gaaaaaacia | accagcacat | gccacaacg  | gatgactgac  | cggtgaaata  | tacggactat | 3079320 |
| aggcacttat | cagaaagcct | atggcaacca | atacgttcaa  | ggtgaccaat  | acccaccgaa | 3079380 |
| tcaaacatcc | aatccttttc | ataataatth | tattttttaca | ttatcaaaaa  | aacagttcag | 3079440 |
| gggaaaaaga | gcattacttc | ttgcttgcat | caaacaggct  | cttttttttcg | gcatctgtca | 3079500 |
| aactgccgta | acccgatttg | cgaagtttat | ccaaaatacg  | gtctattttct | tccgtacgtt | 3079560 |
| ctttctttct | ggcattgaag | tcatagtctt | tctgcttatc  | gctgtaatgt  | accttcattt | 3079620 |
| tcggtttgcy | aggagaaggc | ctccagccgc | ccgcaaagaa  | atcgagtaca  | ttattaatcc | 3079680 |
| atttggtagc | atcatgccct | ttttgcaatc | ctgccgcaa   | ccaccagcca  | gccaaagcac | 3079740 |
| cgcccaagt  | tgcaatatgt | ccgccggcgt | ttcctgaagt  | catgaacagt  | aaatccaaca | 3079800 |
| gcaacataaa | gatagcaaca | tgcttcagtt | tcactgtacc  | aatgaacatc  | agctgaatag | 3079860 |
| gataattagg | ctcacgtact | cccacagcta | tcacaatggc  | aagtacagag  | gccgaagctc | 3079920 |
| ccaacaaata | agaagaataa | accgcatcgg | caaaatacgg  | gaacagatta  | tatgccacca | 3079980 |
| tgtatgccag | tccgccgaca | attcctccta | acacatatag  | tccgcgcagg  | tgttttgccg | 3080040 |
| aaaagaattg | caagaataaa | cgtccaaacc | aatacagcca  | cagcatatta  | aacaaaatat | 3080100 |
| gcaatacacc | ggcgtgcata | aacatatagg | taaacaagga  | ccagggctgc  | cggagaaacc | 3080160 |
| gctcccacca | agcaggaaat | tccaggtaat | tgccccataa  | tccgacaggc  | tgattaaaca | 3080220 |
| aagtcaatgc | tatgtttacc | agcgtcacaa | ccaaaaagac  | tcctatatth  | atatacagca | 3080280 |
| actgggtgac | aatatctccc | cttctgaagc | cttctttcaa  | attagtaata  | aatctgctgt | 3080340 |
| ccgccgccat | ttttcttctt | ccagtaaata | atcagtatca  | aacaaaaaag  | cataccgccc | 3080400 |
| aagtgagcaa | aatgagcaac | accgtcactt | ccggccagtc  | ccagtaccaa  | ttctagcacc | 3080460 |
| gcgtacccta | taacaaaata | ctttgccttg | ataggcatcg  | gcagggggaa  | gataaacatc | 3080520 |
| tgactattgg | gaaagagcat | accgaaagcc | agcaaaatgg  | catatacagc  | tcccgaagct | 3080580 |
| ccaactgtat | tcagacgggt | cagaaattca | ctcatcggt   | tgacacccat  | accagtatca | 3080640 |
| acaccgtcgt | aatgtgacca | actgaccaga | tactccgtat  | attgtacagc  | ctcctgtatc | 3080700 |
| agtccggcac | ctattccgca | caagatataa | tacaataaga  | aacgttttcg  | accccaaact | 3080760 |
| tgttcaagca | cccggccaaa | catccacaca | gcaaacatgt  | taaaaaagat  | atgctggaaa | 3080820 |
| ttggcatgca | taaacatata | cgtaataagc | tgcgccggat  | taaaatcgga  | cgcaaggaaa | 3080880 |
| aaatgcaatc | ccaacaaatt | ctccacatcg | atgccatagc  | gtcgtgctac  | aattgtgccg | 3080940 |
| aagaagcaca | acacattaat | aatcaacaga | ttttttgtta  | ctgtaggaa   | ggtattcata | 3081000 |
| tatatattat | tttattcatg | ttttacaata | ctatcgcgaa  | gaaccagcaa  | actctcaggt | 3081060 |
| cccatattaa | ataacaaatc | cacaatactg | aggttgggca  | aaaagttatt  | tttctggtcg | 3081120 |
| aacacctgat | aataaggttt | aggcaagaat | tccggatcgc  | actccgtata  | caattttctt | 3081180 |
| ggatgaagcc | gttcgcggaa | atcatcctgc | ccttctgaag  | ccaccatata  | atcccctgta | 3081240 |
| gatactaaat | gcggatgaag | atctatctgc | tcacaaaccc  | agttgcataa  | ttccagattg | 3081300 |
| aaatcgaaca | aaaattcgta | tttctgtct  | aaaaagcaat  | gaaactcatc  | ggcataataa | 3081360 |
| tcgaagaaa  | gactctgttt | gtaagcagcc | acaaaagcat  | tccaatgcac  | atgccgcaa  | 3081420 |
| ttgccatggt | cggagatacg | cacgtccttc | atcaagcatt  | tcaagtcctc  | actcttttct | 3081480 |
| gtcggaatgg | tgagcgacag | ggctccgccc | gacgaagcta  | tcacgcagcg  | gttgcggtaa | 3081540 |
| gtctgcttca | tataatgggt | gaaccgttct | acatatagcg  | tatcgatatc  | aaacaacttt | 3081600 |
| gtataatatt | ctactggcgc | aagatacgcc | gaaccaagta  | tcacttcttt  | cttcatgcta | 3081660 |
| ctgtatgcgt | tgaaaaaaac | gtcctttata | aggagtatac  | cagatacgcc  | atgccttacc | 3081720 |
| gatgacatga | tcttcgggca | cgaacccaaa | caaccgtgaa  | tcgcacagat  | taacagggtc | 3081780 |
| attcgatgcc | atccaataat | aatccttgct | gaacgtaaac  | gaactgacag  | gctttccttc | 3081840 |
| taccataag  | gtatcgcccc | gcacgccagc | ctgcttccct  | tcgtgcgaaa  | caatggtatt | 3081900 |

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|------------|-------------|------------|-------------|-------------|-------------|---------|
| gcacagcaaa | acaacattcc  | acggataaac | cttcaccgat  | tccccctttac | gaggaacgac  | 3081960 |
| ataaggatgc | acctcctgag  | aaagcttgct | gttcagtga   | acaaaatcga  | tccgctgacc  | 3082020 |
| ggctttctga | gacaccagat  | aaaactcata | atgactgaaa  | ctgcggatat  | agcccccgctc | 3082080 |
| ttccgtatat | cctatcagtg  | gattttcctt | caggcctacc  | gcatccaaaa  | tcacacgcat  | 3082140 |
| caagtcttct | ttcgatgctg  | gatatacata | caaagcttta  | ctatcgggac  | tcagcacttc  | 3082200 |
| atcgccgctg | tctatcattt  | cccggttcag | catgagtgtg  | tcgcccggcg  | tgccgataca  | 3082260 |
| gcggctgata | aagaccctcc  | gccattcaag | ccgtttattc  | cgctgcgtag  | cccccggtac  | 3082320 |
| gttgaagagt | acaatgtcac  | ccttctctac | ctcacaactc  | ccgatacggg  | gataacccag  | 3082380 |
| aaatgacgga | aaaggcatac  | gcaaaccata | actccacttg  | ttcaccagca  | ctccttcgcc  | 3082440 |
| ctgataaagc | gtattttcca  | ttcccagacg | aggaataaag  | caagaagtaa  | caagaaaagt  | 3082500 |
| cttaaccagc | cacacggcaa  | caacgacaag | cgccgccagc  | ttcagtccta  | ttttccagtt  | 3082560 |
| gttatccacc | aataatctga  | agtcgtataa | ctcattactt  | tatagaatcg  | acaaacttaa  | 3082620 |
| acaagcgggt | ccagcgaatc  | ttaccatcga | accaccctct  | gtcctgatcg  | agcgacagcc  | 3082680 |
| agataaagat | gggtttacct  | acgatatggg | cttcgggaac  | aaatcccca   | aaacgtgaat  | 3082740 |
| cggcagaatt | atggcgggta  | tcgcccacga | tccaataata  | atccatcttg  | aagggtatact | 3082800 |
| tcgtcgtttc | ctgcccgttg  | atatagattt | taccatcctt  | cacttccagc  | gagtttcctt  | 3082860 |
| catagtctct | gataggacgc  | tcgtacatag | gcagggttatc | tagtgtcaag  | tcaattgttg  | 3082920 |
| cgcttttctt | tggaatccag  | atttgtccat | aattgtcgac  | tgtccaaccc  | gtcagcttgt  | 3082980 |
| ttaccggata | caatcctccc  | gcacgtcat  | cgggtgtatt  | ttcgaatgat  | accaccaaat  | 3083040 |
| ccttccgagc | cagcaaagca  | gctttagctt | tctccgtcag  | cggcatgtta  | tacaccgatt  | 3083100 |
| cttcagtata | atacatcgac  | aagtcctcct | gactgatacc  | cagttcgtga  | cacaaatcat  | 3083160 |
| cggggagcat | tcccttgggc  | ttcacgaaat | aacggtactg  | tacattatca  | ggttccttgt  | 3083220 |
| tggtttttcc | atccagatag  | ataatacggg | tctttatctg  | caacgtttgt  | ccaggcaatc  | 3083280 |
| cgacacagcg | ctttacataa  | ttctcacgac | ggtcgaccgg  | acgtgtaata  | atctttaccgt | 3083340 |
| aggctctgcy | gttctcatcg  | atatacttgc | gtcccgcctg  | ataatagaaa  | tcgtacacct  | 3083400 |
| gacgtgctg  | ctccagtgtc  | agacgcgaca | tatctaccgg  | ctgcgaaagc  | tgctgtccag  | 3083460 |
| cctgataact | caagcgatac  | aagtcctcag | caggaaacggc | tgctgctacg  | ctgtcgccgg  | 3083520 |
| cagggaaatt | gaacaccaca  | atgtcattca | attcgacctt  | tcccagacca  | ccaacacgct  | 3083580 |
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| gcgtgagcgy | catgtgaagc  | ggagtctgcy | gaatacgtgc  | tccgtaactc  | atcttgctga  | 3083700 |
| caaacaagta | gtcgccctacc | agtaacgatt | tttcgagtga  | agacgacggg  | ataacgtagt  | 3083760 |
| tctggaagaa | ataaagattg  | acaaaatata | cggctaccag  | tgcaaagaca  | attgcatcca  | 3083820 |
| cccagctcat | gacagtcaag  | acggtcttat | ttttcgattt  | cttcaccaa   | gtccatggaa  | 3083880 |
| ttttctttga | aataaagca   | tcgaagataa | aaggaaaccac | aatcagtccc  | agccagctct  | 3083940 |
| gcaaccagat | cagaaaaatc  | aggtacagca | ccagtacgat  | gccaaacttt  | atccactgct  | 3084000 |
| tacgtgaggc | ctgtatcata  | acttaaaact | gaaataaata  | gttcataact  | aaaaatcctt  | 3084060 |
| cgtgggtttg | cgtatattcg  | gcagccagca | ctgcacccaa  | agcaaataccc | ttacggttct  | 3084120 |
| ttgcatcgtg | agtgatgata  | atcgaaatcg | cttccgactc  | ataacgaatg  | gtatggatac  | 3084180 |
| ccggaacctc | tccttcacga  | atagcgctga | taggcagttc  | gtcggcagca  | cattcggttg  | 3084240 |
| ttccgcttac | tgtaccatcc  | ggagccgtga | gtgtacccat  | taccacttg   | ttctttctgt  | 3084300 |
| ctaagtctc  | cagaataact  | tcggccagtg | ttatagctgt  | tccactcgga  | gcatccagtt  | 3084360 |
| tgtgaatatg | gtgtgtttcg  | accatcgaca | catcgtaatt  | ggggaagtta  | ttcataatct  | 3084420 |
| ttgccaggta | ttgtttgacc  | gccgagaaaa | tggccacacc  | cagactgaaa  | ttagacgacc  | 3084480 |
| agaaaagggg | ctttccttct  | tctgtacaca | aacggcgcat  | ttcctcacca  | tgctcattca  | 3084540 |
| tccagccggg | actgcccgat  | accactttca | taccattctt  | gaaagcttcc  | agacagtttc  | 3084600 |
| cataagctac | cgaaggagct  | gtaaattcaa | ttgctacatc  | agccgaacga  | aaagcttctg  | 3084660 |
| aagcaaaatc | ctgacgggtg  | tttatatcaa | taatacttac  | aatctcgtgt  | tcgcgggcaa  | 3084720 |
| ttgcaatctt | ttcgattttc  | ttaccatctt | taccatatcc  | tattaatgct  | atcttcataa  | 3084780 |

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|             |             |            |            |             |             |         |
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| atctcaaatt  | attttaggca  | caaagataac | gtttttcgtt | attaatcatt  | acatttagcg  | 3084840 |
| aacattttaca | cctcattaac  | atggaagaac | tcttgacta  | tgtgtggaaa  | cacaagcttt  | 3084900 |
| tcgactgaa   | acctttgcag  | actaccgacg | gacaaccgat | tgaaatcatt  | gacccgggac  | 3084960 |
| tggcaaacat  | gcatgccgga  | ccggattttt | tcaatgcaaa | aatcaagata  | aacgatgtaa  | 3085020 |
| cctgggtggg  | aaacattgaa  | atacaccagc | aggcttccga | ctggtttcgc  | cacaatcatc  | 3085080 |
| accttgatcc  | ggcatacgac  | tcggttatcc | tgcacgtggc | ttcggacatt  | gacgctactc  | 3085140 |
| ccacgcgaag  | taatggagag  | gtgattccac | aaatggaact | gcactaccg   | ccttatttgc  | 3085200 |
| tgaaaaatta  | tgaagagctg  | atccgtgccg | atcgctatcc | ggcctgtttc  | cgcattatcc  | 3085260 |
| cccaacttcc  | gtccttccctg | ttgcatagct | ggctgtccac | tcttcagggtg | gaacgtttcg  | 3085320 |
| agcacaaaaac | gcaacacata  | gaaaagctct | tgcaggaata | caatcacgac  | tgggaaaaatg | 3085380 |
| tgtttttcat  | tacgctggca  | cgcaatttcg | gatttggagt | aaacagcgat  | tccttcgaag  | 3085440 |
| tatgggcaaa  | gaatattccg  | ctggcagcgg | tcaacaaaca | ccgcgataat  | ctgtttcaga  | 3085500 |
| tagaggcttt  | tttcttcggg  | caagcaggac | ttttgcaaga | gttaccgggt  | gatgcgtata  | 3085560 |
| cggaaaacat  | gatcaaggaa  | tacaattatc | tgaggcagaa | attcgggtctg | caaccttctt  | 3085620 |
| ccgactgccg  | ctggcgctg   | cctcgctgc  | gtccgggcaa | ccttcgcgat  | attcgtattg  | 3085680 |
| cgcagcttgc  | ctgcctgtac  | caccgttcgc | aaggcttgtt | ttcgcaattg  | atggaaacgg  | 3085740 |
| aatcgctgaa  | agagctgcgc  | aatctcctga | aagggggaac | ttcggaatac  | tggctgacac  | 3085800 |
| actatacggt  | tggactccc   | tctccttcac | atcccaaaac | catcagccag  | aactcaaccg  | 3085860 |
| atttgcttat  | catcaatacg  | gtaataccat | ttctctatgc | ctatggcaaa  | cacaagtcga  | 3085920 |
| acgatgcttt  | gtgcctgcgt  | gccactcaac | tgctggagga | attgaagccg  | gaaaacaatt  | 3085980 |
| atatcatccg  | catgtggaaa  | gaatgtggac | tggaggcctt | acatgcaggc  | gacagtcagg  | 3086040 |
| cacttatcca  | gtcaaaaag   | aattactgtg | acctgaagaa | atgcttgtac  | tgccgcatcg  | 3086100 |
| gatatgagta  | tttcaagaaa  | aaagaaatat | aatatttcga | agtagtaact  | aatttttaac  | 3086160 |
| tgtatctact  | tttatctgaa  | tagaaggaat | ataaatagtt | tgaacagaag  | gaacagtaat  | 3086220 |
| agttcctcta  | tcgatattag  | taacttctgc | ttttacatca | ttcacataaa  | ttttatccaa  | 3086280 |
| cggataatat  | agcttatagg  | ttggtaaaga | agttatccat | tcggtcttta  | tattcaccgg  | 3086340 |
| ttctgaaaat  | atatcttcac  | atactaaatc | aaaagaaaat | gaagcagtac  | gatcatctcc  | 3086400 |
| atcaccaata  | acatcagtac  | tattcacact | aaaataataa | tgcccatctt  | ccatgtagcc  | 3086460 |
| ccactttaag  | tcaaaaataat | cacactctac | atattttgaa | gtttcaggat  | tcagccattt  | 3086520 |
| gagttccatt  | ttatcagcaa  | gtgtctccat | gtcatccatg | ttatcaataa  | atggattttcc | 3086580 |
| attttcatct  | accagctcga  | aataaaattc | gtaaacgcta | aactcaacat  | ttttaacatt  | 3086640 |
| tttatcacaa  | ccacttatca  | aaataaataa | taacaggact | actgaactta  | aaataaactt  | 3086700 |
| tttcataagc  | taattagatt  | caatagttcg | ttaaaaatta | gccagccta   | agcggctctg  | 3086760 |
| gcagtaaata  | aaatgagttc  | tttgaaaagt | ttgtcaatta | attgcgtgtt  | tggttcaatc  | 3086820 |
| ccagacacgc  | aaataaatcg  | ttcaagcatg | taagcattgt | gtatgactga  | cttgcgatgat | 3086880 |
| gatatggaat  | attttattcc  | catcttctta | caggcagcct | tggcgagggt  | tatcgctgca  | 3086940 |
| agtgatgcat  | taaagtggaa  | tgccagtttc | ctgaagtctg | tagactgaca  | gtttgctatt  | 3087000 |
| ccggcatggt  | gcttggcatc  | ccgaaagcag | aattcgaggt | ggaaacgtgt  | tctgtaaaag  | 3087060 |
| tccaggacat  | cctgtgcgtt  | ctgtatttcg | tttgtagaga | aatacagctg  | ccatttgtcc  | 3087120 |
| gttcttccat  | ccatggggta  | ccatacagcc | aggctcacia | agcgtttgag  | tgctttggag  | 3087180 |
| tatgctttca  | gtccgtaaag  | tttacccttg | ttcactttgt | actcggtaca  | tcttgtgatg  | 3087240 |
| tccagatttt  | caaagtcaat  | tttctcgtca | tgtaattttg | gacgtccgcg  | ttttcctgtc  | 3087300 |
| ctatttttcta | aggtgggata  | aaacaatacg | gcatcattcc | tgaacggct   | tattacgtgg  | 3087360 |
| aaaccgttat  | cgtacaatgg  | tttgatgaaa | gttgcccttg | aaaagaacgc  | atcacacacg  | 3087420 |
| actgtgccag  | aaatacgttt  | cagctgttcc | tgtatgctga | taaggtaaga  | gctgtaccag  | 3087480 |
| tcaacaagat  | tcttctcaca  | gctttccagc | gttgcggtgt | cagggtgtctg | tacagagccc  | 3087540 |
| aaagtcatat  | attcatgggt  | gtcaacgtct | ataactccaa | taccggttat  | ttccagtcca  | 3087600 |
| cgtttgtatt  | caccggcaca  | accggaccag | aaatagccaa | tccacggcgt  | tttgctgcct  | 3087660 |

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| ctgatgatgg  | cttcattgaa  | ggaaaaccag  | tcaaagccgt | cgttctcaaa | attgttgcgg  | 3087780 |
| tatgtctgtt  | ccgagaaaca  | tccataccgt  | cccatttgta | ggaaattgat | gcggtcaggt  | 3087840 |
| atagccatga  | ataatttcat  | tgcattccatg | aatactttct | gaaaagattt | gcttatattt  | 3087900 |
| acagctgatt  | cgagagcggt  | tctgcactcg  | gatttgtatt | gcataaggag | tgattcttta  | 3087960 |
| gtcataatta  | aaagtgggtga | agtacttcta  | atttactaaa | aatcagtga  | ttatgaaata  | 3088020 |
| ctttttctgt  | tgattttcag  | ctgttttagca | tatctttttc | atcccttttc | ttactccttg  | 3088080 |
| acgatttatt  | cttgacagta  | tttcaatgat  | ctcttgaata | taattttgaa | ccggattatg  | 3088140 |
| ccgattctat  | gtttaatttt  | aatttatcgg  | taaaaattta | ccgaagtatt | gtagattaat  | 3088200 |
| aagaaggat   | tataattaat  | tggtgcaa    | catctgggaa | tatttctgga | gaataaaaacc | 3088260 |
| aaccattttt  | tggtgtacct  | tcattagccc  | atccccaatt | ataatgttga | gaggcaatta  | 3088320 |
| tagcaggact  | aggattccct  | cccgtatgat  | atcttctttc | taataataag | 3088380     |         |
| acccgttgct  | tcctctcaaa  | tattccaccg  | taaaatgttt | ttaagagcat | ctttgaaaga  | 3088440 |
| atcgcaatat  | gctatatatt  | attacattta  | caaagtataa | aaaaaaaaaa | ggttatccaa  | 3088500 |
| atattttata  | aggatttatc  | aacacgttat  | gatttctttt | tcgattacga | tgaaaacagg  | 3088560 |
| tccttgccct  | tcaaacgtag  | tttacggaac  | tttgacaaag | aactggagga | agcataaaat  | 3088620 |
| ttatttttat  | atctatgaag  | atacaaaaaa  | tatttgtaca | tagcccaata | tttactagg   | 3088680 |
| tatgtaccaa  | tatttttatg  | aatttattgt  | tgaaggcact | ttttctgtac | cctcaattaa  | 3088740 |
| tttgattttc  | tttttagaaa  | aggtatgtat  | accatcaatt | cccagccaga | caaacggttg  | 3088800 |
| tttacaaaag  | ggaataaatc  | gaatttccgg  | gttattcccc | gcttatattg | tatggcaatt  | 3088860 |
| tccatacaac  | caaagtcata  | acccaaacgt  | gcaaacactg | gtacattcac | aaaatcttta  | 3088920 |
| tcataaaaaat | aataagcaga  | ttctactcct  | acagataaat | tcaatccttt | atacaataa   | 3088980 |
| tatcccacac  | ttccggagag  | agagaccgac  | aacaaattgc | aaactcctgt | atttcccgc   | 3089040 |
| taagttatgt  | gctcgtccgg  | agagagatag  | cttaatccat | acttataacg | atgatatccg  | 3089100 |
| gctattatcg  | caagatcgaa  | aaaccatcgg  | gaatcaatcg | gcttcaaccg | ccaacgataa  | 3089160 |
| ccgaaaccta  | aagagaatct  | ggaatcaaaa  | taagtcttcc | cggtatcaaa | aggaggtaac  | 3089220 |
| ccggctgagg  | gaggaacat   | atcataactt  | accatattct | ttcctccata | aattgtcagg  | 3089280 |
| cctgaggacc  | gacctgtctg  | tccgtaagta  | accagccatc | cactaagcaa | taataaaaaga | 3089340 |
| atagtcaaac  | gctttatcat  | acaatcaatt  | cttgtgttta | atcaattact | tctaacttat  | 3089400 |
| tcttccacac  | tatccatcca  | ttccgtttgt  | atcatccggc | aaccacctac | cagtcctagt  | 3089460 |
| ccatttggtta | cattggtata  | ggtagggcgt  | acaggagcca | attccgattc | tcccaattta  | 3089520 |
| ttgtttactt  | gttcattcat  | cgacttcaga  | taatgataga | actcttccga | caaactatac  | 3089580 |
| agacaaacct  | tatattgttt  | cctgtttgta  | taaacttcat | cctgaataga | ggtttcataa  | 3089640 |
| tcggatatat  | aagtcttggt  | cagccgaagt  | gtgtagtctt | ttccttgaat | cttctcatcg  | 3089700 |
| ctccaaaat   | acaactgtc   | ataatacgt   | tagtcgccta | taagaatttc | atccaaaccg  | 3089760 |
| gctgaaacct  | tcaggagcgg  | ttcatcgtcc  | caatccatat | atgcagtata | ttctttgtca  | 3089820 |
| taatacaccc  | gtgattctcc  | attcctccaa  | tacttcgctc | tttctttcac | cgttacggca  | 3089880 |
| taatagtfta  | ctgtactagc  | ctcatcggt   | aagtttatct | gaaactgaag | cgtaccagga  | 3089940 |
| tcggatggct  | ttcgttccat  | atgaacagaa  | ttcaacggaa | acggagcggg | aattgtcgt   | 3090000 |
| acagacgaaa  | cggtttccag  | accttctgca  | gaagccgtca | gccggatag  | atcgcccttc  | 3090060 |
| tcgtatgtct  | gcaccgtata  | ataacttttg  | gcgggaacac | ccggtaaagc | tttgtccgtc  | 3090120 |
| cacaacagac  | cgacaggtat  | accgtttact  | tccagccgga | catccgtccc | tgccaaaccg  | 3090180 |
| gaaacgattt  | cccccttgcc  | tgtgactgga  | agacttcgtg | aaagacgtac | cacggttgta  | 3090240 |
| tctccactcc  | cgggataact  | gtatacaact  | aacttaggga | ttccttccgc | ctcatccaga  | 3090300 |
| tcgaaatgat  | atacgcaaga  | tgtaaacagt  | aaggatacc  | caagtatgat | catgaaagaa  | 3090360 |
| atatatttta  | ccatcatcct  | tattagaatt  | ttaaagtata | actgaaagaa | ggaattacag  | 3090420 |
| gaaacaatcc  | tatcgccctg  | cctctgaaac  | taccatcggc | ctgccgttct | acttgagtat  | 3090480 |
| agaaagcatt  | catccggcaa  | taggcattgt  | aaatactgat | attccagata | cgttcgaaac  | 3090540 |

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|             |            |            |             |            |            |         |
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| taatatgtt   | cggcttttc  | tagccccagc | ttcctgccc   | atcagacggc | tggaagggtt | 3090660 |
| caggcagaga  | aggattttct | acatactgca | taggcacagt  | agcccgatcg | ccactacgga | 3090720 |
| aagtccatgc  | tgcgtacgca | tcgatacgg  | tattaaactt  | atgacggaac | atcaggttca | 3090780 |
| gcttatgacg  | gttgtcaaac | ttgctggcat | accagtcggg  | gtaaaaatct | tcgaatttct | 3090840 |
| gcttactcca  | cgacagcgta | taactggcct | gaaagacatt  | ctttgctga  | cggtacgcca | 3090900 |
| gtgaggcttc  | caagccatac | gattttcctt | tgcctaccct  | caccatttc  | tcccaattat | 3090960 |
| cggcaggaag  | tgtcaggcta | ccaccgggat | catattccag  | catccggctg | gtggtacgga | 3091020 |
| aatagccttc  | tatgtccatg | ctcaaattcc | atggaagctt  | catataaatg | cctcccgcga | 3091080 |
| cctgacgtga  | acgcatcgga | cgtatgcgac | tggtagaagg  | aaccagcag  | tcggtaggaa | 3091140 |
| gattcaagta  | agagttcgaa | agctgatggg | caaactgact  | catttcagta | taagaagcct | 3091200 |
| tcaaggtagc  | ccaatcgaaa | agccggtaac | cgaccgacaa  | tctcggttcc | aaggaatgat | 3091260 |
| aagtcgctcc  | cgtaaccgga | tacaagacat | agtgtagacc  | cgcatttacc | cgcagctttt | 3091320 |
| cggtcagctg  | catatcatct | tccacataaa | aagagatttc  | actccccga  | taacgacctt | 3091380 |
| cacccgccga  | cgacaaggta | tcggcaatcc | ctgccgtttc  | tcttatatcc | tgcgaagcga | 3091440 |
| tacgtgcgg   | atgatacaaa | tgaacaaat  | agttgtctacc | cagacgaata | tgatgactcg | 3091500 |
| cagccggacg  | ataactgaac | tccatccgg  | aaccacatc   | atcaatcgtc | gaataattgc | 3091560 |
| ttctttgcat  | ccgttccatc | gacaccctct | tgtcttggtc  | ataatagctt | tcatccgaca | 3091620 |
| ggaaactata  | ctttgccaga | ttacgggcat | acaccagtga  | tacattgccc | gacagtttag | 3091680 |
| gcgtaagctg  | accgttccag | ttcagcccta | ccgacaagtt  | gccccaacgg | atatggaatg | 3091740 |
| tattctcatc  | ccgttctctg | tacttctgga | acatatatcc  | ttccggaaac | tggtgcagca | 3091800 |
| ctctcgactt  | gaacagatcg | cgggctgaat | atacgctgag  | cgacaacttg | ttccgatcgg | 3091860 |
| aaaaccgatg  | cgtaatttta | gcattgatat | cgtggaaagc  | ataacgggtc | ttaatatttt | 3091920 |
| tatctgaaaa  | acttcgattc | gctatccaca | aggcaggtgt  | ggtcagcaga | tccatccagc | 3091980 |
| tccttcgcat  | acaaaaacta | aacgaagtct | tatctttgat  | gacaggtcct | tcaaactgga | 3092040 |
| acctgccatc  | cagcagtcgg | atggaaaaag | tgccatgata  | ttctttcatg | tccccctcct | 3092100 |
| tggtacgaac  | atcgatgacc | gacgccgttc | ttcctccata  | acgcgccgga | aaaccactct | 3092160 |
| tataaaaagtc | tacattcttc | accacgtccg | tattgaatgc  | cgaaaacaat | ccgccagat  | 3092220 |
| gattgacctg  | atacaacgga | gtaccgtcca | gcaaaaacat  | attctcatca | ttccgcccgc | 3092280 |
| catgtacata  | cagcccggaa | agcaattccg | tgccggaaga  | aacaccgggc | aagttctgaa | 3092340 |
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| ccacacctgc  | cagtgcagtt | gtgctttcct | tcagataaat  | agttccaaaa | tagtcagact | 3092520 |
| gcaaatcgag  | ttcctttacc | acctcttcat | agccgatata  | agaaacacga | agcacatgct | 3092580 |
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| tagtcttgtc  | atacaccgtc | acattaatca | gtgattcacc  | attatcctga | cagacataac | 3092700 |
| ccgaaaagg   | atacttggtc | tgcctgaaca | gcagcacata  | ttcatccttg | atttcccact | 3092760 |
| tgataccagt  | cccgcacaaa | acaatattca | gatttctccg  | cagtgtcttg | tcgggcaacg | 3092820 |
| gtctgcccgc  | aggcttcaca | tcagctaaag | cagaatcgta  | tacaaaactt | acatgatata | 3092880 |
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| attggcagtc  | aaccgtttat | ccgtattgtc | agctgtcaga  | cggacattgt | aatatctgga | 3093120 |
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| ctgtactccc  | tgcgtaagta | cttgagggtt | ccgttgctct  | ttgacaacct | gcgccctcat | 3093240 |
| tccacgtgtc  | agaattaccg | catccgggtg | tcctacagcc  | gtatactgaa | cttttccctc | 3093300 |
| ctcaacatgt  | acaaatgccg | tatcattccg | gctttcatcc  | agcaggaagc | aagttcctaa | 3093360 |
| aacctttact  | tccgacaatc | tgccacttgc | cgtaaaccgt  | cgggcagcat | gatgacgaac | 3093420 |

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| acaatagcgg  | atggaagaat  | gaggatagag | cattacggca | gaactatccg  | gcaacaggca | 3093540 |
| atcgaccgga  | tgctcgtatg  | ccgtaatctc | cgtccatttc | gcatcagtaa  | acaagtatat | 3093600 |
| ctttatgaca  | aacaccaaaa  | gtacggcagc | agcaatcccc | gcaaaagcca  | tcacatacga | 3093660 |
| acgagagcct  | gacttgcttt  | cgagtatagc | atgtttgtgc | ttaaaagtct  | gcaatgcctt | 3093720 |
| ctgtgtatca  | agtttattta  | cacggtaatg | cttcagcacg | aaccggagac  | atTTTTcttc | 3093780 |
| taaatctttc  | atacttcttc  | gattttaagt | ttcatagata | agactgtaca  | aatgctgaaa | 3093840 |
| ttcactattg  | ccaacaggct  | aattttagcc | gaaaaagaaa | gtatatactt  | tatatgctcc | 3093900 |
| ctcacgtatc  | agtcgaagtg  | ctttctgtat | atggttatca | accgtatgaa  | cggagatatg | 3093960 |
| aaacttgtcg  | gctatgtcct  | tatacttcat | gccatcccgt | ttgttcagca  | gaaacacttc | 3094020 |
| cctgcaacgg  | tcgggcaatg  | aatcgatggc | agtccagata | cgtgcctcca  | taaccgtacg | 3094080 |
| ctcttccacc  | tcttcttcgg  | gtaatctgtc | ttccagatcg | gacggggaaa  | gagtcgtatc | 3094140 |
| gaacatgctg  | ttttgtttca  | gccagtcaag | gctgcggttt | ctgaccatcg  | tatagaggta | 3094200 |
| cgacctgaca  | ttagctatct  | ccccgccttc | ctgttccgtt | ttttccaca   | gaacagaaaa | 3094260 |
| gcactcttgt  | accacatctt  | ccgctgcac  | tatatcgtga | acatagtgtg  | tggcatacaa | 3094320 |
| gcataaaggt  | cggtaatggt  | atctgaacaa | cgtatcaaag | tccatattac  | ttacttttat | 3094380 |
| ttctgatatt  | atgaaattcg  | gttttctgta | atgactcaca | aacgcaggca  | agtcactacg | 3094440 |
| atacatttgc  | caaaagaagt  | taatttatca | ggaatacctc | gaataacaag  | aaagaaagat | 3094500 |
| gaggaaagcag | aaaagtttca  | ggcagtgacg | gaaaagtcct | ctgcgcacgt  | tcaaaaacga | 3094560 |
| gccggcacat  | tcctcccgtt  | ctttgtacaa | aaactttttt | gttttgtaca  | aaaaataaaa | 3094620 |
| aaagacgagg  | acgttttcat  | cacttctgc  | cgacgcttcc | ttcaaatacag | cgcagtgcct | 3094680 |
| ctgctaccgc  | cctgagataa  | gcacccagac | gattgctttt | cagaatcgct  | ttacgagggt | 3094740 |
| tcttctccat  | gtcggggagc  | agatattccc | acatggtttt | cagtttggcg  | agcaattgtg | 3094800 |
| cctctcctcc  | ctcaatcgtc  | cggctgtaat | gttcgtacat | caaccggtgc  | atttcggcta | 3094860 |
| cctgtcgata  | caacgtagcc  | ttatccggag | cttttccctc | gcgaatggaa  | cgggcaagcg | 3094920 |
| acgggtcggc  | aagcaggcct  | ctgcccagca | taacgccttt | caatcgcgga  | taggcttcca | 3094980 |
| tcagctcctg  | aacagcctcc  | agtgtacaca | aatcgccatt | gtagactaac  | ggcagttcgc | 3095040 |
| aggcttcgta  | aaatgccttg  | aacgccgtat | gattcacttc | tcccttgtac  | tgctgtttcc | 3095100 |
| cgatacgcg   | atgaagagtt  | acctgaacca | cacacgagcg | gttcaacagc  | ggaaatacct | 3095160 |
| gcctccattc  | atcggcatcc  | tgccagccaa | gccgcactct | gacggagaaa  | cggatttccg | 3095220 |
| gcaactgccg  | catttcctcc  | agtaatgcgg | agactttttc | ggggtaaggc  | aatatgcccg | 3095280 |
| atccctttcc  | acgattggct  | atcagcgga  | aggacatcc  | catattgaca  | tctattttcc | 3095340 |
| gataaccttg  | cgaggtgagg  | aaaccggcaa | gccggttcag | ttcttccggc  | tccgaagcaa | 3095400 |
| ccagttgagg  | tatcaggtga  | cttacggtgt | tttgtccggg | catcacttcc  | cgcttgtcct | 3095460 |
| tgttacggac  | ttctcccttt  | tccagacgaa | taaaaggagt | atagtaagca  | tctacgccct | 3095520 |
| cgaacgtctg  | ttcgtgcgca  | ttacgccagg | cagcctccgt | aaatccttgc  | aacggtgccg | 3095580 |
| catatatattg | cggatatattc | tgttccatac | agccgcaaat | atacggatta  | ttcgttatct | 3095640 |
| ttgtagaata  | cattaaaaaa  | tcaccccat  | ggataaatat | atztatgaac  | tgaaaatgaa | 3095700 |
| ggtgcgcgac  | tatgaatgcg  | acctgaagg  | tatcgtaaac | aatgcgaatt  | accagcatta | 3095760 |
| catcgaacat  | acccgacacg  | agtttcttac | ttcgacaggc | atcagtttcg  | cgcggttgca | 3095820 |
| cgaggaaggg  | atagatccag  | tcgtagcacg | cctgacaatg | gcgttttaaa  | cgcctctgaa | 3095880 |
| aagtgggtgac | gagtttgttt  | cgaagttgta | tctgaagaaa | gaaggaataa  | aatatgtcct | 3095940 |
| ctatcaggat  | atattccgat  | tgcccgacat | gaagattgtc | attaaatcga  | cagtggaaac | 3096000 |
| ggtgtgtgtc  | atcaacgggc  | gactgggcag | cagcgaactt | tttgatacga  | cctttgctcc | 3096060 |
| ttatcttgcc  | gaatgaaaga  | ccgtgaatta | ctctgccgtc | tggcactgac  | tcagcttccg | 3096120 |
| ggaataggaa  | tcgtaggagc  | tcataacttg | ttacaggctg | taaacggaca  | ggctgccttg | 3096180 |
| ctcttcgacc  | atgcccaaga  | gctggaagat | attgttccgg | ggatttctcc  | caagattgtc | 3096240 |
| catgccttcg  | atgcgccgga  | agtactgcgc | cgttgtgaag | cagaactctt  | gttcgcagag | 3096300 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| aagaaccata  | tagcctgcct  | taccagcgac  | gacgaggctt  | atccttccc  | ccttcgtgaa  | 3096360 |
| tgtgacgatg  | ccccattagt  | tctgttctat  | cggggaacca  | gtgatttgaa | ccagcggcat  | 3096420 |
| atcatcagca  | tggtggggac  | ccgcaatgca  | accgattacg  | gcaaagatat | atgcatgcga  | 3096480 |
| tttatcagtg  | agctgaaaga  | attattgccc  | gacgtattaa  | tcgtaagcgg | actggcctat  | 3096540 |
| ggtatcgata  | tccatgtctca | tcgggctgcc  | ctgcagtatc  | agatggaaac | aataggcggt  | 3096600 |
| ctggctcatg  | ggctagacag  | aatttatccg  | tcgggtacacc | gacgtacggc | tgccgagatg  | 3096660 |
| acacaatgtg  | gagggttgct  | gaccgaattt  | atgagcggaa  | ccaatcccga | ccggcagaat  | 3096720 |
| tttgtcaaac  | gaaaccgtat  | cgtagcgggt  | atcagtgatg  | caacgattgt | ggttgaatcg  | 3096780 |
| gcaaacaaaag | gaggctcgct  | gattacggcg  | gaaatcgcag  | aaagttatca | tcgtgactgt  | 3096840 |
| tttgctttcc  | cgggccgcat  | tcatgataca  | tattcggcgg  | gatgcaacga | actgatacgc  | 3096900 |
| tccaatcgtg  | ccatactgct  | tcaaagtgc   | gaggaattgg  | taaaagccat | gaattgggac  | 3096960 |
| agtgaagcac  | aagctcctgt  | tgccatacaa  | cgtcagttat  | tccctgagct | ggacgaaaac  | 3097020 |
| gaagagaaaa  | tagtgacttt  | gctccaaaag  | taccctgacg  | gaattcaa   | taattcgctc  | 3097080 |
| gtcgtagaaa  | gcaatattgc  | catcaaccgt  | atgacaagca  | tcctgttcga | actggaaatg  | 3097140 |
| aaaggcatta  | tccgtacact  | tgccggagga  | gtatataagc  | tgatataata | tccaacttac  | 3097200 |
| aatcttcggg  | ataaggttga  | ccaaagggca  | aaaaaatggg  | agaacgcttt | ctcccaacct  | 3097260 |
| tgtaaacctt  | aaatctaata  | ctatgaaaaa  | aatcacatg   | caaagtacc  | aatttgcaac  | 3097320 |
| atatcacgca  | agagtaagaa  | acattattac  | aaaatgttta  | aaactatttt | acatttaaaa  | 3097380 |
| gcgtttgcgt  | acacattcta  | acagtttggt  | tattataaaa  | aagaaaaaat | ccctgccgaa  | 3097440 |
| ttttacttcg  | acagggat    | tttatcaaat  | aaaagcttta  | cagcaaagca | ttaatctttc  | 3097500 |
| agtttagcct  | tgataaagtc  | acggttcaaa  | cgagcaatat  | tgctgataga | aacgcacttc  | 3097560 |
| ggacattcag  | cttcacaagc  | acgtgtgtta  | gtacagttac  | cgaagcccag | ttcatccatc  | 3097620 |
| ttagacaaca  | tagcttttgc  | acggcgcaaa  | gcttctggtt  | taccttgagg | caacaagttc  | 3097680 |
| aactggctaa  | ctttagctga  | aacgaacagc  | atagctgaac  | cattcttaca | agctgctaca  | 3097740 |
| caagcaccac  | aaccgataca  | agttgcagca  | tccatagctt  | cgtcagcaac | cggtttcgga  | 3097800 |
| atcaggatag  | cgtttgcatc  | ctgaggagca  | ccagtacgta  | cgctgatgaa | accacctgcc  | 3097860 |
| tgcataatct  | tatcgtaagc  | agaacggtct  | accatcaagt  | ccttgataac | cgggaaaccg  | 3097920 |
| gcagaacgcc  | acggttcaac  | agtaattaca  | tcgccatctt  | tgaaacgacg | catgtagatc  | 3097980 |
| tggaaggtg   | tagcaccttt  | tgtaggtcca  | tgaggatgtc  | cgttgatata | caaagaacac  | 3098040 |
| ataccgcaga  | taccttcacg  | acagtcatgg  | tcgaatacga  | tcggttcttt | gccttcttca  | 3098100 |
| atcaactgtt  | cgttcaagat  | atccaacatt  | tccaggaatg  | aagtatcgcc | cgggatattc  | 3098160 |
| ttcatctgga  | atgtatcgaa  | atgacctttt  | tcttttaggtc | cgttctgacg | ccaaactttc  | 3098220 |
| agcgtaaatg  | atatattttt  | atccatttta  | cttagattct  | ttaattgttt | aacttcaccg  | 3098280 |
| attagctctt  | atagttacga  | gtctgaactt  | taattgcttc  | gtataccagc | ggttctttgt  | 3098340 |
| acaataaccgg | agccttgctc  | tcgcttccct  | gatattccca  | gcaagcaaca | tagaagtagt  | 3098400 |
| tttcatcatc  | acgttttagct | tcaccttctt  | cagtctgata  | ttcttcacgg | aagtgaccac  | 3098460 |
| cgcaagattc  | gttacggttc  | aaagcatcgt  | atgcaatcag  | ttcacccatt | gtgatgaagt  | 3098520 |
| cgttcagacg  | gatagcttta  | tccaattcaa  | tgttcatgcc  | ttccttagaa | cccgggataa  | 3098580 |
| acaattcggg  | ttcgaattcc  | ttacggattt  | ctttcagttt  | agccagacct | gtcttcaagc  | 3098640 |
| cttctgctgt  | acgtcccatt  | ccgacatatt  | cccacattac  | gcggcccaat | tccttggtgga | 3098700 |
| tagagtctac  | agacttctta  | cccttgatgt  | tcatcaggtg  | atcgatctta | gcctgaacag  | 3098760 |
| ctttttctgc  | ttcagcaaat  | tccggcagat  | cggtagagaa  | gcgaggaaca | gtaattctggt | 3098820 |
| cagccaagta  | gttctggata  | gtgtaaggca  | atacgaagta  | accgtcagcc | aatccctgca  | 3098880 |
| tcaacgcaga  | agcaccacga  | cggtttagcac | cgtggtcaga  | gaagttacat | tcaccgatag  | 3098940 |
| caaacagacc  | cttgatagta  | gtctgaagtt  | cgtagtcaac  | ccagatacca | cccattgtat  | 3099000 |
| agtggatagc  | cggatagatc  | atcatcggat  | tataatat    | aacaccattg | atttcttttc  | 3099060 |
| ctacttcacc  | cggatttacg  | tcggtgattt  | cttcgtacat  | atcgaacaag | ttaccatagc  | 3099120 |
| gctgacgaac  | aacatccagg  | cccagacgtt  | cgatacat    | agagaagtcg | aggtatacag  | 3099180 |



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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| ccaaaccagt  | attgtttaca  | ccgtaaccgt | ggctcgcaacg | ttccttagca  | gcacgtgaag  | 3099240 |
| caacgtcacg  | cggaaccaag  | ttaccaaatg | ccggataacg  | acgttccaag  | tagtagtcac  | 3099300 |
| gatcttcttc  | cggaatatct  | gtcggtttca | tcttaccagc  | ctgcaaagct  | tttgcattct  | 3099360 |
| ccagtttctt  | cggaacccag  | atagcaccat | cgttacgcaa  | agattcagac  | atcaaagtca  | 3099420 |
| gttttagactg | cttgtcaccg  | tgtaccggaa | tacaagtcgg  | gtgaatctgt  | acataagccg  | 3099480 |
| gattagcgaa  | gaaggcacct  | ttacggtagc | aagacattgc  | agctgtacag  | ttacaagcca  | 3099540 |
| ttgcgttagt  | agacaagaag  | taagtgttac | cgtaaccacc  | agtagcaata  | actactgcat  | 3099600 |
| gagcagcaaa  | gcgttccagc  | ttaccagtta | ccaggttctt  | ggcaatgata  | ccacgtgcac  | 3099660 |
| gtccatctac  | aattacgata  | tcttccattt | cgtaacgagt  | gtacagtttt  | actgtacctg  | 3099720 |
| cacctacctg  | acgggtcaat  | gcagagtatg | caccacagcag | caactgctga  | ccagtctgac  | 3099780 |
| cttttagcata | gaatgtacga  | gaaacctgag | caccaccgaa  | agaacgggta  | gccaatgtac  | 3099840 |
| ctccgtattc  | acgagcaaaa  | ggaacaccct | gagcaacaca  | ctgggtcgata | atgttatttg  | 3099900 |
| aaacttcagc  | cagacgataa  | acgtttgctt | cacgagcacg  | gtagtcacca  | ccctttacag  | 3099960 |
| tatcatagaa  | cagacgataa  | acagagtcac | cgctattctg  | gtaattttta  | gcagcattga  | 3100020 |
| taccaccctg  | tgcagcaata  | gagtgtgcac | gacgtggaga  | gtcctgaata  | cagaaattga  | 3100080 |
| atacgcgga   | tcccatttca  | ccaagagaag | cagcagcaga  | tgctcccgcc  | aaacctgtac  | 3100140 |
| ctaccacaat  | gatgtccaga  | cgacgtttgt | tagccgggtt  | taccaatttc  | tgggtgagcct | 3100200 |
| tataattagt  | ccattttctca | gctattgggc | cttcaggaat  | tttagaatca  | agtatcttag  | 3100260 |
| tcataatgtt  | ttttcagttt  | aaatcagtta | cacttaaatt  | agcaagcacc  | acaccccatc  | 3100320 |
| atgttcttca  | ggaagaatac  | aatagctacc | agcataaagc  | ccagaacgat  | gatagtagaa  | 3100380 |
| tagatgttag  | agatgcattt  | ccagcggtta | atccaaatcg  | tattgttcca  | gccagagtc   | 3100440 |
| tgcattgcac  | tccagaaacc  | gtgagtcaag | tggaaaccaca | aagcaatcag  | ccaaatgata  | 3100500 |
| tacaacacga  | agaacaacgg  | attagagaaa | gtctgcatga  | tatagccata  | accgtcgggt  | 3100560 |
| gcatgaagac  | cacctatcat  | tgggttaccg | atgatttcag  | cgaactgcat  | tttgtaccag  | 3100620 |
| aagttcataa  | agtgaagagc  | cagaccagg  | ataacgatga  | taccagtag   | caacatgttc  | 3100680 |
| tgagaagccc  | attccacatt  | tttcgggcga | gcattttacag | catagcggtc  | actaccgcga  | 3100740 |
| gctgcacggt  | tctgcattgt  | caaccagaaa | gcgtagataa  | tgtgaattac  | aaacaaggca  | 3100800 |
| gccaatccca  | cagttgcaac  | cagtgcatat | cagttagcac  | ccaggaattc  | acaaaccatg  | 3100860 |
| ttgtaagctt  | cgcccagaaa  | caaagcaaca | cagttcatcg  | ccatgtgaaa  | tgtcagaaac  | 3100920 |
| aggacaaggg  | cgataccagt  | tacactcatc | accactttcc  | ttccaataga  | tgaattactt  | 3100980 |
| aaccacataa  | atgattgaat  | ttaaattatt | taattgttag  | aactaaaatt  | tcttaccaca  | 3101040 |
| tacactaaaa  | tacgatacaa  | aattagaagt | tttccctaga  | taatacaagg  | attacggaaa  | 3101100 |
| taattcttta  | atatattcat  | cgtaaacagt | gctaagaagg  | aatttttctt  | attcttttgc  | 3101160 |
| ggacatacga  | cccacatgaa  | aggacagaat | atgaaaataa  | agaatgccct  | ttcaaagcag  | 3101220 |
| aaacttgctt  | tccataaagg  | taacttctta | ctttcacaca  | caaacgtctg  | acaaataaaa  | 3101280 |
| acgatcaaa   | ccgcttcagc  | atcatcttag | attgctgaaa  | cggctttgcc  | atgttatctg  | 3101340 |
| ttgaccataa  | aggtatcagc  | ttatttccgt | tcagggaaat  | tcatacccg   | cttttcta    | 3101400 |
| aattccacag  | cttaagtac   | actattgttc | atgcagttca  | ttacttggaa  | atattcactc  | 3101460 |
| atatcccaca  | aatcacgggc  | tatcaatgcc | ttcatctgag  | cctttatcaa  | cggaagagct  | 3101520 |
| gtctgatact  | gcttctcatc  | atattttgct | ccaagctgct  | caccaagagt  | tcttaattct  | 3101580 |
| tccagcatgg  | caggagttac  | atcaaaatct | ttattgaaat  | gacggaaatc  | tttgtattct  | 3101640 |
| ttcaaccatt  | cctcgcgatg  | cgtatctacc | agtttcaaat  | tcattctgtat | aatagctcct  | 3101700 |
| ttatcgcgta  | aagccagata  | ataatctgta | tacatcgtag  | tatctactgg  | gacgaaatag  | 3101760 |
| tcgggcataa  | tgcttccgcc  | tccataaacg | gtacgtccta  | gctttaaggt  | tttatacttc  | 3101820 |
| agggaatcag  | ggaagtggat  | actgtcagca | ctcaacattt  | cacctcgatt  | gtaacgatct  | 3101880 |
| atcagatcct  | tattatactg  | ttctatgctt | tcgtatggct  | tctgaatgca  | acgtccggaa  | 3101940 |
| ggggtataat  | aacgtgttac  | cgtcagacga | atcatcgaac  | cgtcgggtaa  | atcaatagga  | 3102000 |
| cgctgaacca  | gtcctttacc  | aaagctacgg | cgaccgacta  | caatagcacg  | atcccagctt  | 3102060 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgcaaagcac | ctgtaacaat  | ctcacttgca  | gaagcagaaa  | attcgtcaac  | caatacaatc  | 3102120 |
| aggcggccat | ccagaaaatc  | gccatttcct  | tcagcatcaa  | actctgcacg  | cggatttcga  | 3102180 |
| cgccctctg  | tgtatacaat  | cagctctttc  | ttgcccaaga  | actgattagc  | taattcaata  | 3102240 |
| gctgcattca | gataacctcc  | accgtttccc  | tgtaaactga  | gaatcagatc  | acgcattcct  | 3102300 |
| tctttctgca | accgatgaag  | tgcatcggca  | aactcttttc  | ccgtggtagc  | ggcaaaacga  | 3102360 |
| tttacacgaa | tataaccgat  | cttgcggtcg  | accatatacg  | cagcatccag  | actatataca  | 3102420 |
| ggaatcttat | ctcgtttaat  | cgtaaacgga  | agcaattcct  | taactccccg  | gcgcattacc  | 3102480 |
| tttaccgtta | cttcgggtacc | acgctttcca  | cgcaaacggc  | gcatcacgtc  | ttctgtactc  | 3102540 |
| atcttcactc | cggctattac  | cgtatcgttc  | acttctataa  | tacggtcgcc  | cgccagtata  | 3102600 |
| cctacctttt | cgggaaggccc | tcctgacact  | ggctggataa  | caaacagcgt  | atcggtagcc  | 3102660 |
| atattaaact | ggatacctat  | gccgtcga    | tttccctgta  | acgggttcgtt | cagttctttc  | 3102720 |
| acttcctcca | gatcgggaata | agtagaatga  | gggtccagct  | gattcagcat  | acttacaata  | 3102780 |
| gccgtttcta | ccagtttggt  | ttcatccacc  | ttgtctacat  | ataagtttga  | gatggcaaat  | 3102840 |
| tcggccaact | gaagcttgcg  | tgaaggagaa  | ttgagcaatt  | tattttgtgc  | actcaccgag  | 3102900 |
| ccaagcaaca | tcagtgtaca  | caaacatatt  | aagtaaagtc  | gttggtttcat | aaaatttgta  | 3102960 |
| ttcatcataa | attaatatcc  | agtcctttgg  | gcaggaacgg  | tgtcacatct  | ctaccatact  | 3103020 |
| gcaataattc | acgtacaatg  | gtagaactga  | tagctgtcag  | ttccggttcg  | gtaaaaagca  | 3103080 |
| gaattgtttc | gatgccggca  | agtttccggt  | taatatcggc  | aatgggtttcc | tcgtattcaa  | 3103140 |
| aatcgtgtac | ggtacgtata  | cctctaataa  | tgaatttcgc  | atctcttttc  | tgtgcaaaat  | 3103200 |
| ctacagtcag | attatcgtat  | gcttccacct  | gaatacgcg   | ttcattagca  | tagagttttt  | 3103260 |
| ttatcatttc | aacacgtttc  | tccgttgga   | accaagtctt  | tttattgtcg  | ttgataccaa  | 3103320 |
| taccgataat | tatttcatcc  | ataaagggtca | gcgcacgttc  | cactaccgaa  | aagtgtccaa  | 3103380 |
| ttgtaaaagg | atcgaatgtc  | cctggaaata  | ttgctctttt  | cattttaagcc | acaatcataa  | 3103440 |
| atcgagaatc | tatcgctttt  | ttcagctcag  | taaatcctct  | tctattacca  | aattattaat  | 3103500 |
| aatgaagttc | tggcgctcca  | ttgtattctt  | tcccatatag  | aactccagca  | gttctttcac  | 3103560 |
| agcatcgggt | ttacgcaatg  | aaacttgctc  | cagacgcata  | tccttgccga  | tgaaattacg  | 3103620 |
| gaattcgtct | ggtgatattt  | ctcctaattc  | tttgaatcgg  | gttattttccg | gattcgggtgc | 3103680 |
| aagcttctcg | atagccgcaa  | ttctttcctc  | gtcagtatag  | caataaatcg  | tttcgtatac  | 3103740 |
| tcctttttta | cgattgcgaa  | cacggaaaag  | cgggtgtctgt | aatatataga  | catgtccttt  | 3103800 |
| ttttatcaaa | tcggggaaga  | attgcaagaa  | gaaagtgatc  | atcaacaaac  | gaatgtgcat  | 3103860 |
| accgtccaca | tcggcatcgg  | tagctacaat  | tactttatta  | tagcgcaatc  | cgtccaaacc  | 3103920 |
| gtcctctata | ttcaaggcag  | cctgcaacaa  | attaaattct  | tcgttttcgt  | ataccacttt  | 3103980 |
| cttggtcagg | ccgaacgaat  | tcaaaggctt  | accacgcaaa  | ctgaataccg  | cctgcgtatt  | 3104040 |
| tacatcgcg  | ctcttggtaa  | tgaaccact   | tgcggaatct  | ccctctgtga  | taaagattga  | 3104100 |
| actttccaga | cgtggatcgt  | tctctcctc   | ctttttcgtc  | cctttcagat  | cattcagggtg | 3104160 |
| aatacggcaa | tcacgcaatt  | ttcggttatg  | cagatttgcc  | tttttcgcac  | gttcacgtgc  | 3104220 |
| tatctttgtc | acgcctgcta  | tagccttgcg  | ctctttttcc  | gactcctgaa  | tcttctggag  | 3104280 |
| caaaacatcg | gctacgtcgg  | gatgcttatg  | caaataattg  | tctacatttt  | cttttacgaa  | 3104340 |
| gtcaccaaca | aacttattca  | cgctaatacc  | cgacagtgga  | taaggattgc  | cgtcggaatc  | 3104400 |
| tttttctgga | gccatcgta   | acgaaccgag  | cttaatcttg  | gtctgacttt  | cgaaagttgg  | 3104460 |
| ctctatcaca | ttaatcgcaa  | tggcagcgac  | cagaccgttt  | cgaatatcct  | gaaactccat  | 3104520 |
| gtttttacca | taaaattcct  | tgatggtagc  | tgcaatatgc  | tctttaaaag  | cactttgatg  | 3104580 |
| ggtacctccc | tgagtgggtat | gctgaccatt  | gacaaatgaa  | taatattctt  | ccccatactg  | 3104640 |
| cggactatga | gtaaaggcaa  | tctctatatc  | tccacctttt  | aaatgaacaa  | taggatacag  | 3104700 |
| tcccggcgaa | gtcatattat  | cgttcaacaa  | gtcttccaga  | ccattacgac  | taacaatacg  | 3104760 |
| gtggccgtta | taataaatcg  | acaaccctgt  | attcaagtag  | gtataattac  | gtaacatggt  | 3104820 |
| ttcgatatat | tccggccgga  | aatgataatt  | taagaataag  | gtattatctg  | gttcaaagaa  | 3104880 |
| aatataagta | ccgttctcct  | cgtctgtagc  | cttcgtcgta  | tcactgatta  | attctccttt  | 3104940 |

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| caatgcattg | acagctttgg | cacctactcc  | attcaagccg  | acacttttct | tgaaggcttt  | 3105060 |
| tgtatcgat  | ttaccacctg | tattcagcat  | ggaaacagca  | tctaccaaac | ttcccaatgg  | 3105120 |
| aataccacgc | ccataatcac | gtacggaaac  | acgcaaattg  | tcttcacact | gtatttcaat  | 3105180 |
| acgctttccc | gctcccatct | taaactcgtc  | gatgcagtta  | tctaccacct | ctttaagtaa  | 3105240 |
| cacgtagata | ccatcttctg | cctgagaacc  | gtcaccctaa  | cgcccaatat | acatacccgg  | 3105300 |
| acgggtacga | acatgctcca | tatcacttaa  | atgacggata  | ttctcttcag | tatacgaaac  | 3105360 |
| gggattcggt | atttggtcat | tgtattcttc  | ttccataggc  | taacgtaaac | gatagactag  | 3105420 |
| ttttctttct | tgttatctgt | aatcaatagt  | tttttataag  | cacgacggcg | tttgtgctga  | 3105480 |
| accgcttcaa | aagctcccca | ctgtgcctgt  | acttttttat  | tcaattccag | ttctggatta  | 3105540 |
| ctttcaccat | acttgaatcc | catctgctgg  | taaattggaa  | ccagatcata | gaacagcaaa  | 3105600 |
| gcattaactc | ctttgctctg | atattcaggt  | tttacaccaa  | ccagcaacag | gtcgagcact  | 3105660 |
| ttaggcttct | tgataaacia | tgctttcagc  | aaatggaacc  | atccgaaagg | tagcatcttg  | 3105720 |
| cctttggctt | tttgcaaagc | ttccgaaaga  | gacggcatag  | agatacccac | agccactaaa  | 3105780 |
| ttgcccgcct | catcttctac | caacgaaacc  | atacgcaaat  | caatcaaagg | aagatacatc  | 3105840 |
| ttaatgtatt | gattaatttg | tccctgcgtc  | atttgtgagt  | agccgtacaa | aggagcatat  | 3105900 |
| gcctcattta | tcagatcaaa | aatcttctgt  | ccgtaatttt  | ggcttttgat | ctcgctccgc  | 3105960 |
| ttcagcttct | ttattttcaa | tttatatttt  | tcaagaataa  | tctccgaaat | acgaacgaac  | 3106020 |
| ttatcaggta | gtttatcggg | tacagtcaac  | ttaaattcaa  | cccaatcagc | ctctttctca  | 3106080 |
| aaccccagtc | gttccatgtg | ctgcggataa  | taaggataat  | tataaatggg | tgacatagta  | 3106140 |
| cctaactgat | caaaaccttc | aatcaacata  | ccttctgcat  | ccatatcagt | aaagccaagc  | 3106200 |
| ggaccgacaa | tagcctccat | tccgcgttct  | tttcccact   | cttctacagc | attgagcaac  | 3106260 |
| gcttcagaga | cttccggttt | atcaagaaaa  | tcaatccatc  | cgaacgaac  | ttcttttttc  | 3106320 |
| ttccaagttt | cattcgcacg | atgattgata  | atagcagcga  | ctcttcctac | gacctcattt  | 3106380 |
| ccctcataag | ccagaaaata | atcagcttca  | caaaactcga  | atgctgcatt | ttttttcggg  | 3106440 |
| ctgaaagtat | tcagcatatc | atcgtacaaa  | tcgggtacgg  | aataaggatt | attcttgat   | 3106500 |
| aattcgtaat | tgaagcgaat | aaatgtctgc  | aactcctttt  | tggagcttac | tttcttaatg  | 3106560 |
| ataatagcca | tctgttcgtt | atagtatgaa  | atttcagggg  | gtaaagatac | aattttttat  | 3106620 |
| ccgaagagtc | attcactttc | aacgtttttg  | atgcatattc  | ttacagcatt | gtcccattct  | 3106680 |
| ttaccttatt | tccaaataga | atcggtcctt  | aattgtatcc  | tgacatgtca | cttttttcta  | 3106740 |
| tcaaaagcat | gtggaaacat | tactcaaaaa  | tgagtaaaaa  | atctacaatc | tttatcaaga  | 3106800 |
| gcatcatggg | aatagaatac | aatatatcac  | tacaaatcaa  | aagattatat | atttaattcta | 3106860 |
| tatataaaat | aaaattggcg | taattattgc  | taaataaatt  | acaacaaaaa | gaataattat  | 3106920 |
| gagaatgaaa | caaaagttaa | aactgttttt  | cacatttgcc  | ttattttgta | tagttactca  | 3106980 |
| acagctattt | gcgcaaaaac | gagccatctc  | tggagtcgtt  | acttccgcag | atgaaaaaga  | 3107040 |
| ggcattaata | ggagtttcta | tttcaataaa  | aggtaatgaa  | aatgttggtg | ccataaccga  | 3107100 |
| tgtaaaccga | aaatacacct | tacaggtaga  | acctgaccag  | acattgatcg | tatcttatat  | 3107160 |
| tggtatgaaa | accatggaag | tacatgttcc  | gcgcaaaaat  | tcggtattga | atattgtcat  | 3107220 |
| ggaaccagaa | tcgatgaatc | tagatgaagt  | tggttgtaact | ggttatggta | actttaccaa  | 3107280 |
| atcttctttc | accggatcag | ctaatacact  | aaaggcagat  | atgctgaaag | atatccccgt  | 3107340 |
| catgagtgtg | gaacaaaagc | tgcaagggtat | gacaaccggt  | gtcaacatta | caagcagttc  | 3107400 |
| tggtcagcca | ggtgccaatc | aaaatattcg  | tattcgagga  | atgggttcat | tcaatgcctc  | 3107460 |
| tcaggaaccg | ttgttcgtta | tcgatggagt  | tccggttact  | tctggaagcc | ttagtgcggg  | 3107520 |
| agggtcggat | gctgcttata | tgaacaactc  | gaagaccaat  | atcatgagta | cactgaatcc  | 3107580 |
| ttccgatatc | gaaaatatta | cagtcataaa  | ggatgcagca  | gccgcttctc | tttatggttc  | 3107640 |
| gagagctgcc | aatggagtca | ttcttatcac  | gactaaaaaa  | ggtagtgccg | gaaaggctca  | 3107700 |
| agtaaccttg | aatgtttcag | gtggtttctc  | gaatgcagca  | gtcgacttcc | gtccaactct  | 3107760 |
| aaacggcgac | caacgcaggg | aattgttata  | tgaaggcttg  | gttaattacg | ctatcgatca  | 3107820 |

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| ctctatggga  | tataccgact  | ggcgtaagga | actcttacgt | acagctactc  | aacaagatta  | 3107940 |
| tgaagcctct  | gtttcgggtg  | gtaacgaacg | ttccacttat | tatgcctcat  | taggatataa  | 3108000 |
| taaacaagaa  | ggtctggcca  | aaaactccag | cctcgaccgc | tattccgctc  | gtctgaacct  | 3108060 |
| gacacaaaaa  | gtcggaaaat  | atggagaggt | aggtgccaac | atgatgttca  | cacaaatgaa  | 3108120 |
| tcaggaaatg  | aatgaagagc  | gaggctctgc | tatcaatccg | ttccttttgcg | tggctatgac  | 3108180 |
| catgaatccc  | tcgatgactg  | tacgcgatga | agaaggaaac | tacatcgggtg | catacgaagg  | 3108240 |
| cagcacacta  | aatccattac  | gtgatatcat | gaccgactat | aaccgggtac  | gcatgactcg  | 3108300 |
| tatgttctct  | accggatatg  | caagcataga | acctctgaaa | ggcttaaagc  | tgaaagaaac  | 3108360 |
| aatcagttat  | gactatacta  | tccagaaaga | ttcccgatat | tataatccgc  | ttagttcggc  | 3108420 |
| aggacctaaa  | agtggtagtg  | atgcacagac | cgcaaaagga | tttatagaat  | atggtaagtt  | 3108480 |
| catttcatct  | acctcgataa  | attatgtgcg | taccttttgc | tataaacatc  | atgttgatgt  | 3108540 |
| actggctgcc  | tacgaaatag  | aaaactacca | gaccgacaaa | gcctcgggta  | tgaagtcgaa  | 3108600 |
| actgccttca  | gatatattga  | ctgagccaga | taatgcagcc | gtactgaaca  | gcttcatttc  | 3108660 |
| ttctactcaa  | gactaccgca  | tgatttctta | tttgtcacgt | ctgaactatg  | attacgatga  | 3108720 |
| ccgttactat  | ctggccggca  | gcttccgacg | cgatggtagt | tcacgccttt  | ctcccgacaa  | 3108780 |
| ccgatggggg  | aacttctggt  | ctgtttcggg | tatgtggaac | attagcaacg  | aagcattcat  | 3108840 |
| gaaaccagtt  | aaaaagggtc  | tgaacgacct | gaaaattcgt | gcttcgtatg  | gcgtcaacgg  | 3108900 |
| aaaccagccc  | aattctcttt  | acggatatat | gggattatat | agctacgggc  | agaactacat  | 3108960 |
| gggagcatcc  | ggctcatatg  | agtcacaca  | acctaataca | aacttaggat  | gggaaaagaa  | 3109020 |
| ttacaacttg  | aatatcggat  | tggattttgc | ttttatcaac | cgtatttttcg | taagtctgga  | 3109080 |
| atattataac  | cgtgatacta  | aggacctgct | ttataatctt | ccgatttagtg | caacgactgg  | 3109140 |
| ttttaccagt  | tacttggcta  | atgtaggaca | acttaacaac | aaagggtgtag | aattcgaact  | 3109200 |
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| taatagaaat  | aagattgttt  | cgctaaacgg | tcaacttgac | cagacaattg  | aagggacctg  | 3109320 |
| gtatatcat   | aaagtgggac  | taccctatta | tacattttat | gtaaaagagt  | ttgccggagt  | 3109380 |
| taattctcag  | aacggtaaag  | ccgaatacta | taaaaatacg | gtcaatgaag  | atggaaccat  | 3109440 |
| cgaccgtagc  | ctgacaacca  | accctaata  | agcggaaagc | attccataca  | agtcgggtcaa | 3109500 |
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| aaccaactca  | tcacgttaca  | ttcatagtac | tgaccattta | agactaaaaa  | atgtgactct  | 3109800 |
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| attaacattc  | taaaatcatt  | aacgctgtat | catataatat | gaagaaaata  | tatattttacc | 3110040 |
| tattgacaat  | ggtttcagtg  | atgggaactt | cgtgttcaga | agactgggtg  | aatctgaacc  | 3110100 |
| cttccacatc  | tgtcacaacc  | gaccaggctt | ttaccacttt | ggaagatgcc  | aaggttgcac  | 3110160 |
| tgaatggtgt  | ttaccgagaa  | acgtcacagc | atagttatta | tggagataat  | tactggtatt  | 3110220 |
| acggtgattg  | ccgcgccatg  | gatgtacaag | caagagaaaa | caaagcatcc  | ggcaaactg   | 3110280 |
| tcacgcctta  | ttatacatat  | aatgtgctgg | caaccgataa | cctgaatata  | acgcttccat  | 3110340 |
| ggaatcgctc  | ttatctgggt  | atccgacagg | caaacaacct | tattcaaaaa  | atagaacaag  | 3110400 |
| gagctgtaca  | aagcagcgac  | accaaagagc | tgaaccgtat | aaaggcagaa  | gccttagtct  | 3110460 |
| tacgaggact  | ggctttattc  | aatctgacct | gattgttcgg | catgccttac  | atgaatgata  | 3110520 |
| acggtgcttc  | cttaggagtc  | cctatcgaac | tgaaccgga  | agaacctgcc  | catcagccga  | 3110580 |
| aacgaaatc   | agtggccgaa  | tgttatgagc | aggttggtgc | agatattacc  | acagccttgc  | 3110640 |
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| tcatcaacaa  | caacggagga  | ttgtatcaac  | tctatacacg  | tgatgaatat  | cctactatat  | 3110820 |
| ggggtaaaaga | ttttcagtcg  | gaagcactct  | ttgaactcta  | tatcagtaca  | accgaacctt  | 3110880 |
| cggaaatgggg | cggcgggtacc | ggtggtgaag  | gagccccgat  | ggtttacgct  | aacgaagaaa  | 3110940 |
| aaggagtcga  | ctggaacaat  | cttattctta  | cagaagaatt  | cttaaatctc  | ttggatgaag  | 3111000 |
| atccgaacga  | tgtccgtcac  | tgcattacac  | agttatcatt  | gattgaaaat  | aatgaaggctc | 3111060 |
| tgcccgaaagc | agctcgcaac  | caaaagggtt  | tcctcggcaa  | gttccccgga  | aagagcggcg  | 3111120 |
| acccgaaaga  | taataatatc  | agtgtcatcc  | gattgtcggg  | agtatatctg  | aatgcagccg  | 3111180 |
| aagcaggtgt  | aaaatttagga | ggtgaatact  | tggaaccggc  | aagaggcttc  | ctgaatcaga  | 3111240 |
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| gcaacaagca  | accgattgtc  | cgtaaggggtg | gatggcattt  | aagtacactg  | agtacattga  | 3111420 |
| acgcggaaac  | gattcaaccc  | aacgatcccc  | gcattgtctt  | ccctattcca  | caatctgaaa  | 3111480 |
| tagatgccaa  | ccctaactg   | gaacaaaatc  | cacaataaga  | ctttacatta  | ttatcataaa  | 3111540 |
| ccttaaaaaa  | atccgtttca  | ggaaacttta  | gttatcttga  | agcggatttt  | ttattgtttt  | 3111600 |
| actcaaaaaga | gcataaacca  | aaaagggaaa  | tatcagatat  | ttttctat    | cgaacgtaaa  | 3111660 |
| cacgcacaag  | atttcacaaa  | caaaaagata  | gataaaacag  | tattataata  | caaaataaat  | 3111720 |
| agcataaaac  | caatacaaca  | agcgaaaagg  | cgattttaaag | cctaaataaa  | cgacaaatag  | 3111780 |
| agaaaaaggc  | aaactattca  | taattcacga  | aaaagtatca  | aagctgagct  | cctccccgat  | 3111840 |
| tttttcaaat  | ctcagagggt  | tacttcacc   | agtttggttg  | caaggaaaga  | atcataccga  | 3111900 |
| taacctgctc  | atagtttttc  | tgaccagaag  | gaatctgatt  | acttttcaag  | taccagttat  | 3111960 |
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| tatcatataa  | ttgtttttatt | atctccggac  | ggattgtatc  | aagccagctc  | ttaaactctg  | 3112080 |
| tttactaag   | caaccacga   | gtattgacta  | ctacataagg  | cagcaatcca  | aagtagccgc  | 3112140 |
| tatatcgat   | acccgcatca  | gtagaatgaa  | tacaaacttg  | gtaagcccag  | aaattggctt  | 3112200 |
| ccgcttcact  | gtcactcct   | aacaaatggg  | caagctcgtg  | cgcataagta  | aaaggaagtt  | 3112260 |
| gaacggggag  | cagttcatga  | ttcacatgcg  | attcatcgaa  | aaacgggtcc  | atatatccta  | 3112320 |
| aaacaccaac  | ccctgaatac  | aacacattac  | agaaagaacg  | tttcggatgt  | tgaaaatctt  | 3112380 |
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| tccataacaa  | aatttcact   | tcagtaacag  | ctatccacct  | ccatcttcta  | tttctacgcc  | 3112680 |
| tggaataaaa  | cggataaacc  | agcaaacata  | caagcgttac  | tatcaccaa   | acttcacaaa  | 3112740 |
| gggaaaatgg  | gaaccaggaa  | gcaatccgag  | ataagcagga  | ggaaattacc  | ggataaatag  | 3112800 |
| aacgagcgta  | aaattcacct  | gtaccggata  | caaaccgaaa  | cagaaatata  | ctcatcaaaa  | 3112860 |
| gtaaaacgag  | tattatccaa  | cgaatatatt  | tccactgaag  | ttttttcata  | agaacaaaagt | 3112920 |
| tatcattttc  | tgaattaatt  | ctttactttt  | gtccggtaaa  | gattattaat  | acttcaaaca  | 3112980 |
| gacttcacat  | ggtttttaaat | tatatttgga  | ttgctttttt  | cctgaccgca  | tttattgttg  | 3113040 |
| cagtcgtacg  | cctcttggtt  | ttaggagata  | cggaagtctt  | tccagccatt  | atcaattcta  | 3113100 |
| cgttcgattc  | atcgaaaacg  | gcctttgaga  | tttctttggg  | acttaccggc  | gtattgtcac  | 3113160 |
| tctggatggg  | tattatgcgt  | atcggagaac  | agggaggagt  | tatcggatta  | ttctcacgcc  | 3113220 |
| tgtaagtcc   | gctatttacc  | aaattgtttc  | ctgagattcc  | caagggacat  | ccagtgacag  | 3113280 |
| gaagtatttt  | catgaacctt  | gccgccaata  | tgtagggct   | cgacaatgct  | gccaccctt   | 3113340 |
| tggggctgaa  | agccatggaa  | ggattacaag  | agctgaacc   | aaagaaagac  | acggcaagta  | 3113400 |
| atccgatgat  | catgtttctg  | gtattaaata  | cttcagggt   | caccctgatt  | cctatcagca  | 3113460 |
| tcatggtata  | tcgtgcccaa  | ctgggagctg  | cccagcctac  | ggatgtattc  | gttccgattc  | 3113520 |
| tattggcaac  | gtttttctcc  | acacttgccg  | gtatcattgc  | tgtaaagctg  | taccaacgta  | 3113580 |

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| gaatcatcta | tttcttcagt | acattgtcgc | gccagcaaat | cgatatctat  | tctactacga  | 3113700 |
| cagccaatgt | atctctgttc | gtcattatca | tcggatttat | cgtagctggc  | atgcgaaaga  | 3113760 |
| aaatcaatgt | atacgatgcc | ttcgtagaag | gagccaaaga | aggctttact  | acagctgtac  | 3113820 |
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| gctgttgccg | aaacttatgg | aaagaaggta | ggtgaaatag | cctatatattt | ttgctcagat  | 3114360 |
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| attcatggca | ttcttcatct | ctgcggaata | aatgataaag | gtccgggaga  | aagagaaatc  | 3114600 |
| atggaagcag | ccgaaaataa | agcactcgat | ttactaaaga | acttccaata  | agctcacggc  | 3114660 |
| atctatcctt | tcaggaaaag | gatcatttgt | cttctctgtc | ttcaggagcc  | ttaaagtttc  | 3114720 |
| cgccgtcgtt | tctttcaatt | catggagatg | tttttctaaa | ccatcgccac  | aaattaaaag  | 3114780 |
| ggacgacggc | ggatttcatt | ttattctttc | aaaaacagct | accctcttat  | tccttccccc  | 3114840 |
| tccggctata | actcttttta | cgaactgaat | ctaagctaag | ccactaattt  | ttcgtatttt  | 3114900 |
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| gccggacacg | ccggctgtga | agccgccgca | gcagcagcca | atctcggatc  | gaaaacatgt  | 3115020 |
| ctgataacaa | tggatatgaa | caagatcgga | caaatgagct | gtaaccctgc  | tgtaggaggt  | 3115080 |
| atcgccaaag | gtcaaatcgt | cagagaaatc | gatgcactgg | gaggatatat  | ggggttggta  | 3115140 |
| accgaccgta | ccgccattca | gttccgtatg | ctgaaccgct | ctaaaggacc  | ggccatgtgg  | 3115200 |
| agccccctg  | cacagtgcga | ccgtggcaaa | tttatctggg | catggcgatg  | agtactggaa  | 3115260 |
| aatattccta | accttcatat | ctggcaggat | accgtagaag | aattactcgt  | tgagaacggt  | 3115320 |
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| acagcaggta | ccttcttaaa | cggactgatg | catatcggct | acaaaatgct  | tgccggaggt  | 3115440 |
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| ctgatggaaa | cgcaggatgg | agaaaacgac | tttcaccgct | tttcgtttat  | cagcgaacct  | 3115620 |
| agacaactga | agcaattgca | gtgctggaca | tgttatacca | acgaagaagt  | acatgaggta  | 3115680 |
| ttacgcagcg | gactggcaga | ctctccctt  | ttcaacgggc | agattcaaag  | tatcgggtccc | 3115740 |
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| ctattcctcg | agccggaggg | agaaacaacc | agagagcttt | atctgaatgg  | attctcttca  | 3115860 |
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| accggatacg | aagaagcagg | aggacaagga | atcattgcag | gcatcaatgc  | tcacatcaac  | 3116100 |
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| gatgacctgg | taacaaaagg | agtagacgag | ccttatagaa | tgttcacgct  | tcgtgccgaa  | 3116220 |
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| ttgggactgg | caagcaagga | acgttacgac | agactttgcc | agaagcgtga  | agaaatacaa  | 3116340 |
| cggttggttg | aatttgcaaa | gacttactca | atcaaggctg | ataagataaa  | cgacgcgctg  | 3116400 |
| gaagaactcg | ggactgcccc | actcacccat | ggctgcaagt | taatagagtt  | acttagccgc  | 3116460 |

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| ggttacattg  | atcgagaacg  | aatgatagca  | gacaagatac | atcgtctgga  | agctatccgc  | 3116640 |
| atcaaaggga  | aattcgacta  | tgccagtctg  | aattcacttt | caacggaagc  | ccgcaaaaag  | 3116700 |
| ctgataaaga  | tagatcccga  | aacattggcg  | caagccagcc | gaataccggg  | catatcacct  | 3116760 |
| agcgacatca  | atgtcttact  | agtcctgtta  | ggacgataag | caagcgtgtt  | tcacgtgaaa  | 3116820 |
| caactagttt  | aagaaacgaa  | tataaattac  | tggatatgaa | taaagaaaca  | ttaaagaaaa  | 3116880 |
| accttcgtga  | aatacccgat  | ttcccaatac  | caggaattct | gttttacgat  | gtcactaccc  | 3116940 |
| tgtttaaaaa  | tcccagagtgt | ctgcaaggca  | tgatagacga | gctctatgag  | atgtacaagg  | 3117000 |
| acagagaaaat | taccaaagta  | gtcggaatcg  | agtcgagagg | ctttatctta  | ggaggagcac  | 3117060 |
| tggctgctcg  | cttggggagcc | ggttttatca  | tggcaaggaa | gccgggcaaa  | ctgcccgcag  | 3117120 |
| aagttgtgga  | agaaacctac  | gccaaagaat  | atggaactga | cacaatacaa  | atccataaag  | 3117180 |
| atgcgatcaa  | tgaaaacgac  | gtagtctctg  | tacacgatga | cttgctggca  | accggaggaa  | 3117240 |
| caatggcagc  | tacttaccgc  | ctagtaaaaa  | gatgcggagc | caaacaggca  | ttcgtaaact  | 3117300 |
| ttgtaattga  | gctggggagca | ttaaacggaa  | gaaaagcatt | tgccgacgat  | gtagaagtaa  | 3117360 |
| caacgctatt  | gcagctttta  | gaaatactct  | tttaccggtt | gggtagaatc  | acaaaacaga  | 3117420 |
| atccggtaca  | tacgaaaagc  | gtctaccgga  | ttctttattt | tataacctct  | attcataagc  | 3117480 |
| attgctaata  | tggaagaact  | gagcacaac   | gaatatctcc | gaggaattgt  | attaaacctg  | 3117540 |
| ccaagcagtc  | cgggtattta  | tcaataacctg | aacaaagaag | gtgtgattat  | ctatgtaggc  | 3117600 |
| aaagcaaaga  | atctgaaacg  | acgtgtatac  | tcctatTTTT | cgaagagca   | ccaatcagcc  | 3117660 |
| aagactcgtg  | tgctcgtcag  | caagattgca  | gacatccgat | acattgtcgt  | caatacagaa  | 3117720 |
| gaagatgccc  | tgctgctgga  | aaataatctt  | atcaagaaat | acaagcctcg  | ctataatgtg  | 3117780 |
| ttgctgaaaag | acgacaagag  | ttacccttcc  | atctgcgtaa | gcaacgaata  | ttttccacgg  | 3117840 |
| gtattcaaga  | caaggcagat  | cattcgaaac  | ggttcaactt | actatggtcc  | ctacagccac  | 3117900 |
| attccttcca  | tgcaagccgt  | actcgacctg  | ataaagaaac | tctaccctct  | tcgtacctgt  | 3117960 |
| catctggccc  | ttacttccga  | aaacatccgg  | caagggaagt | ttaatgtttg  | tctggaatat  | 3118020 |
| catatcaaaa  | actgcaaagg  | cccctgtatc  | ggcatgcagt | ctcacgatga  | atacatggag  | 3118080 |
| aatatcgctc  | aagtaaaaaga | gattctcaaa  | ggaaatacgc | aagctatcag  | cgatgccttg  | 3118140 |
| atgaaagaaa  | tgatgacatt  | ggctgaagat  | atgaaattcg | aagaagcgca  | aaagataaag  | 3118200 |
| gagaaatacy  | agctgataga  | gaattaccgt  | tcaaagagcg | aggttgtcag  | ctctgtcctt  | 3118260 |
| cataacatcg  | atgtattttc  | aatcgaaatg  | gacgacaaca | cagcctacat  | taattatctt  | 3118320 |
| catattacca  | acggttgcac  | caatcaggcc  | ttcacgttcg | agtataagaa  | gcggctgaac  | 3118380 |
| gagaccaaag  | aagaattgct  | tcagctggga  | ataatcgaaa | tgcgcgaacg  | gtacaaaagt  | 3118440 |
| tgttcacgcg  | aaatcatcgt  | accgtttgaa  | ctggatatgg | aactgaataa  | tgccaccttt  | 3118500 |
| acaattcctc  | agcgtggtga  | taaaaagcac  | ctgctggaac | tgtccctact  | caacgtaaaa  | 3118560 |
| caatataaaag | tagaccgtct  | gaaacaagcg  | gagaagctga | atccagaaca  | gcggagtgtg  | 3118620 |
| cgactattga  | aagagattca  | agagcagttg  | caaatggata | aaatgcccg   | ccatatcgaa  | 3118680 |
| tgcttcgata  | actccaatat  | acaaggatcg  | gatgccgttg | cagcctgcgt  | agttttcaag  | 3118740 |
| aaggcacgcc  | ctagcaaaaa  | ggattaccgg  | aaatacaata | taaagacgg   | tgctcgacca  | 3118800 |
| gacgattatg  | cctccatgca  | agaggtggta  | cgccgtcgct | atacacgtat  | cctggaagag  | 3118860 |
| cacggagaat  | tgcccgaact  | gacctaacc   | gatggtggta | aaggacaaat  | ggaagtcgta  | 3118920 |
| cgccagggtta | tcgaggacga  | actgaaactg  | catattccga | ttgccggtct  | tgccaaaaaac | 3118980 |
| agtaaacacc  | gtacatcaga  | agttcttttc  | ggctttccac | ccatgacgat  | tggtataaag  | 3119040 |
| cagggcactc  | ccctgttcca  | tcttctggag  | aacatacaag | atgaggtaca  | ccgttttgcc  | 3119100 |
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| aaagggattg  | gtgaaaagcg  | taagacagca  | ctactgaaag | aattcaaaaag | tgtagctcga  | 3119220 |
| atcaagaaaag | cgacactcga  | agaactggcg  | gcagtagtag | gcgaaagtgc  | agcacaagc   | 3119280 |
| ataaaaagaat | cgctctaagt  | ttcttttctg  | ataaattatc | tttctgttcc  | ccgactgaaa  | 3119340 |

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| aaagagcctc  | ctgccgatgg | gctacagata | aagaaacatg | ccattggaat  | caagtctggt | 3119460 |
| tagaaataga  | aaagctctgc | aaaaagataa | gccaaatctt | tccgcagagc  | cattgccact | 3119520 |
| attatcaata  | ccactcattt | catcacccaa | actcctctaa | ttccgatacc  | acaaagatac | 3119580 |
| aattaatttc  | ggctagactt | ttgtcattct | ttcaatttta | ttctattatt  | gtactgaata | 3119640 |
| tttcctatct  | ttgtagaaag | tatataccac | atgagagtag | taattcaacg  | tgtaagccat | 3119700 |
| gcatccgtta  | ccataaacgg | gacatgcaag | tccgccataa | aagaaggctt  | tctggttctg | 3119760 |
| gtaggtatag  | aggaagcaga | caaccaggag | gatgccgact | ggctatgtaa  | gaaaatcatc | 3119820 |
| ggattgagag  | ttttcgacga | tgaaaacgga | gtaatgaaca | aatccatcct  | cgatactgga | 3119880 |
| ggagatatat  | tagtcgtaag | tcagtttacc | ctgatggctt | caaccaaaaa  | gggcaatcgt | 3119940 |
| ccttcgtata  | ttcgtgccgc | ccgccatgaa | acagccattc | cattatacga  | atatttctgc | 3120000 |
| aatgagctga  | gcatcggctt | aggaaaacaa | gtaggcaccg | gagaatttgg  | agccgatatg | 3120060 |
| aaagtagaac  | tattgaacaa | cggccccgta | accatctgca | tgataccaa   | aaacaaagaa | 3120120 |
| taatattgaca | ctggaagaag | cacaaaaaac | ggtagacaac | tgattaaga   | catacggcgt | 3120180 |
| gcgttacttc  | agcgagctga | ccaatatggc | agtactgaca | gaagaagtag  | gagaactggc | 3120240 |
| acgtgtcatg  | tcacgcaaat | atggtgacca | gtcattttaa | ccaggagaaa  | aggataatct | 3120300 |
| cgacgacgag  | atggccgatg | tattatgggt | actgatttgc | ctggccaatc  | agacgggtgt | 3120360 |
| agatctaacy  | gaagcattcc | ggaaaaatct | ggaaaagaaa | accagccgag  | ataaggaaag | 3120420 |
| acataaaaac  | aatcccaaat | tataaacatt | atgaagtata | atcacgatca  | cgaatgtgga | 3120480 |
| tgtggcaacg  | aacatcatca | ccacagccac | gaatgtaact | gcgagaacga  | acatcatcac | 3120540 |
| gaccacgaat  | gtgaatgcaa | ctgcgacgat | gacgcttgcg | actgcggatg  | tgaagaagag | 3120600 |
| gataaagaac  | acctgcatca | gccaagcaaa | tacgatgaag | cattgagcaa  | gtacaacacc | 3120660 |
| aatctgaaaag | atgaagaagt | agctgctcaa | actgcccata | tcacgagaaa  | atacgtaaag | 3120720 |
| gaaaacgata  | cgccggaagt | taagaaattc | cttcttcatt | gcatcgacct  | gactacactg | 3120780 |
| aaatgtacag  | acagcgagcc | cagcgtcatg | cagttcacac | agcatgtcaa  | tgacttcgta | 3120840 |
| gatgcctatc  | ccgaacttga | taatgtagca | gccatttgcg | tatatcccaa  | catggccgaa | 3120900 |
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| ccttcttcac  | aaacgttcat | cgaagtaaa  | gttgctgaaa | cagcgatggc  | aattcatgct | 3121020 |
| ggagctgatg  | aaatagacat | tgtaatctt  | gtaggaaaat | tcttgagcgg  | tgattacgaa | 3121080 |
| ggtatgtgcy  | acgaagtaga | agagctgaag | gaagtatgcy | gagacaagca  | cttgaaagta | 3121140 |
| attctggaaa  | ccggtgcact | gggtagtgcc | tcaaacatca | agaaagcctc  | tatcctgtca | 3121200 |
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| cccgaggcag  | catacgttat | gtgccatgcc | atcaaggagt | acttccttga  | aaccggccgt | 3121320 |
| aaagtaggtt  | ttaagcccgc | tggaggcatt | aacaccgtgc | atgacgcact  | ggtatactat | 3121380 |
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| acaagccgcc  | tcgccaacct | gctgttgtcg | gatatcatag | gcaaagaaaac | caagtttttc | 3121500 |
| taattttaa   | tggtgttttt | acccttcacg | tccttcaccg | ggcggaggga  | tttaataaaa | 3121560 |
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| ccagctgacg  | aacgtttcat | aatcaaactg | ccagctttca | ccgtaagcca  | atttatgaat | 3121800 |
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| gctggtttct  | gtaggacgat | atgccccctt | atagtacgta | caagcacctt  | cataaactcc | 3121920 |
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| atcgcttgta  | tagtctacat | tccttcccca | tccgtaacga | ttacgaaaat  | ctatatattt | 3122040 |
| agaaatttca  | ctcgaaggaa | ttgtcccttt | gctctcataa | taatattcat  | cttccaattt | 3122100 |
| agcgaatcca  | tgtcctccag | cttcgtggtg | aagcacactt | gccaaatctt  | catcactcgt | 3122160 |
| tcctatcggg  | aaatatgcaa | tgccatatcc | cctgccataa | tctccctgat  | aagctgaact | 3122220 |



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| ctcattcatc  | agcggatcgg  | tcattcccgg  | acaagtagcc  | gcatactgca  | tgcacttggt  | 3122340 |
| gtcatctcct  | cctacgtgag  | tccctccact  | aaaatagccg  | gaaaataaccg | tactacctcc  | 3122400 |
| gtctacgtat  | ccttcatttt  | tggaaacagc  | cgtcacataa  | tacacgttaa  | acaagttccg  | 3122460 |
| gaaggaaagta | taaggctctt  | caactgaagaa | agcatcggct  | gctgtccgca  | taacctcttc  | 3122520 |
| ataggtaccg  | tcggcaatct  | gcctgtcggg  | gaaagcatct  | cccatcaaaa  | ccacgttgat  | 3122580 |
| gccgtttcct  | tctgaagctt  | gctgtaaggt  | atataccttt  | ccgtcctccg  | aaaaatcgga  | 3122640 |
| agattcgtac  | ggcaaattct  | cctcaccag   | gattcctttc  | aggaaatcag  | gaagcaaact  | 3122700 |
| tcttgatggt  | acactgctat  | ggaatatcag  | cttgcccgtt  | tcacgaaaag  | ccatgattgt  | 3122760 |
| agggaaaaccg | ctatatgaaa  | tacctccagg  | attggacatc  | agcgtaggcc  | attccatatt  | 3122820 |
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| ggccttgcta  | aagctacacc  | atgaggcca   | aatataatac  | aacgtcactt  | tatgagaggc  | 3123000 |
| aacgatggaa  | ctggaattta  | ttgtatttcc  | tctataatca  | gttgcggtaa  | aatcgggcat  | 3123060 |
| atacaagtta  | aatgtatcga  | aattaaatcc  | gcccggtgag  | ttttgttcga  | tacaaaccca  | 3123120 |
| gccactcttc  | tgccaccagg  | aagaggatgt  | aacaacctgc  | ggcagatcgc  | ctgacagcat  | 3123180 |
| attccctcca  | aagtccatat  | attccagttc  | tgtcaagttt  | ccaagggttt  | cgggtacagt  | 3123240 |
| acctgtcaac  | tgattatcat  | ccaagtagca  | ataggccaat  | tgcttcatat  | tccccaattc  | 3123300 |
| aggtggtata  | ctaccggtca  | attgattccg  | gtataaatat  | aaaccccgaa  | gtcttgctcag | 3123360 |
| cttaccaata  | gaagcgggga  | tttctccggt  | caactgatta  | tagggcacat  | tcaatatcca  | 3123420 |
| tagcgcttca  | agatttccaa  | tctcatccgg  | tatggttctt  | gtcagattgt  | ttgaagacaa  | 3123480 |
| attaattgaa  | cttaccttac  | cattattgtc  | catagaaata  | ccataccatt  | ccgacaaatc  | 3123540 |
| agcatccgta  | caccagttcg  | tattattcgt  | ccatgcatca  | ccgtttgtag  | catcgtacaa  | 3123600 |
| tgcaatcaga  | gcatctctct  | ctgtcatttc  | atcctgtttc  | agcagattgt  | cgggtatcaac | 3123660 |
| agccaagaaa  | ctgggttatca | cagaacgtcc  | tacggtaatg  | ctacgctctg  | tggccttggt  | 3123720 |
| aagcgctccg  | tgctgaccgt  | ttacatatcc  | agtaatctta  | aatgtcatac  | cgttactgaa  | 3123780 |
| tacctgagga  | ggaactacaa  | aataaaatga  | ggtagcctgc  | gaaggagata  | aggttctggt  | 3123840 |
| gcctcgaagt  | acgatttcac  | tggcactctc  | ctgccctcct  | ccagaaacac  | ggaattcagg  | 3123900 |
| cgcacgagg   | gctatatcta  | ccgaaccca   | gccagcaaca  | gcttccccgt  | tattaccgga  | 3123960 |
| caatgaaaga  | gatgacacct  | gcatgtttcc  | tttcaagttc  | aggcgtagca  | gtccgcaaat  | 3124020 |
| ctgtaaaaag  | tggaaagagt  | ttgtagtact  | ctgagccacc  | atcggacata  | taccggaagc  | 3124080 |
| aaagctatcg  | aaaccgaacg  | gctgttcttc  | cgacagacgg  | aacgaaacgc  | tcgtaccaga  | 3124140 |
| tactacagca  | tcagccgcat  | acggataaaa  | ggcataaaat  | gtattacctc  | tgataggctt  | 3124200 |
| gtcgctttca  | aactgtgcct  | cgctgcctga  | gatttcagtc  | aggctcgtac  | gggcaaccga  | 3124260 |
| atcggatgta  | ttgctgaaaa  | taccgatggc  | atctcccgtg  | ttccatacca  | cagaattacc  | 3124320 |
| agaaaagagaa | gtacgactct  | ttacaattgc  | cgatgtcgtg  | gcacgaaccg  | atttcaaact  | 3124380 |
| attatcctga  | ctgccggaag  | gtaccagttc  | atcttgctga  | caccctacaa  | gcaacaacaa  | 3124440 |
| aaatatgcct  | aaaaaaagag  | ttatatgctt  | cataattttac | tgtgtttttc  | aagattatta  | 3124500 |
| ccagtcttct  | tcattctcta  | taaagtcttc  | tatgctgccg  | cctgctgaag  | gagtttcttc  | 3124560 |
| ttttttaccg  | tcttgagtaa  | tctcaataac  | acgaacaagc  | tcctcagccc  | gaaccgtcac  | 3124620 |
| acttcccttt  | cgctgggaag  | tagaagtatt  | ggctgcaaca  | acgatgatat  | ttccctctat  | 3124680 |
| attgatccag  | cccgtatcgc  | tgctgggtcaa | tgtatactgg  | gtattactgt  | ttacagtgaa  | 3124740 |
| ggcgaatctg  | cctccttcgg  | atgctgcgga  | aatgctcgaa  | ggagataactt | ccagatacac  | 3124800 |
| agcctcacc   | tcttgaatca  | cacgtaccgt  | acggaccaga  | ctaccgtctt  | ccgaggtgac  | 3124860 |
| cgtgatggtt  | ccctcacgcg  | atgtggtcga  | ttcgttgga   | cttaccgtaa  | aggctcgatt  | 3124920 |
| cttccattca  | cccacgccag  | ccatgtcact  | gctcagccag  | gaagcactgc  | tcgacaagcg  | 3124980 |
| gtaacgggta  | ttggtttcaa  | ctgacaaagt  | caatgtctga  | ctgttgctcg  | tcagagagaa  | 3125040 |
| agaagacgga  | cttacgttca  | agatcagttc  | ttccctgccc  | tcttgaacga  | cccgtaccgt  | 3125100 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
| acggaccaga  | ctaccgtctt  | ccgaggtaac  | cgtgatgggt | gcctcacgcg  | gtgtagtcga  | 3125160 |
| ttcgttggca  | cttaccgtaa  | aggtcggatt  | cttccattca | cccacgccgg  | tcatgtcact  | 3125220 |
| gctcaaccag  | gaagcactac  | tcgacaagcg  | gtaacgggta | ttggtttcaa  | ctgacaaaagt | 3125280 |
| caatgtctga  | ctgttgctcg  | tcagagagaa  | agaagacgga | ctcacgttca  | agatcagttc  | 3125340 |
| ttccctgccc  | tcttgaacca  | cacgtatcgt  | acggaccaga | ctaccgtctt  | ccgaagtaac  | 3125400 |
| tgtgatgggt  | gcctcacgcg  | atgtggtcga  | ttcattgggt | aatattgtaa  | acacaacctc  | 3125460 |
| ttcttccgca  | gccccgaca   | acgtccgagt  | catccagtct | actcctgcac  | tcacctgata  | 3125520 |
| aggtacattt  | cctttcacca  | taaaacgaac  | cgtaccacct | tctgcctgaa  | tatcgaaata  | 3125580 |
| atcctgcgaa  | acaatcagat  | aaggagcttc  | ttcctttcct | ttttgcaata  | ccttcaccat  | 3125640 |
| acgttcaacc  | ccattgcctg  | tcacgataat  | atagccttca | cgcatacaccg | attcgggtatt | 3125700 |
| ctcttccaca  | ctaaaatata  | aagttgactg  | ttccagtccc | ctgcctgcta  | cttgcttcag  | 3125760 |
| ccaactgaca  | tctgtcttta  | ccgtataact  | gatattggca | ctgacctcga  | tggaaaagggt | 3125820 |
| tccccccaca  | gcctcacaga  | tgataggatc  | tgaagaaacc | agaatctcat  | cgacggcata  | 3125880 |
| ctgacggatg  | gtaagcgtat  | ccgatacagc  | ttccgtttca | tcaatgaaaa  | taaaacgtgc  | 3125940 |
| ctcacgcata  | tcgtatgtat  | cattgggctg  | tacctcgaaa | tgcagcgtat  | gggtagaaac  | 3126000 |
| tgtctctgaa  | gccgggttcac | tcacccatgt  | atactctgct | tcgggcttac  | agatatacga  | 3126060 |
| aacattcgac  | tgtaaactgta | cgtctaccgt  | accacctccg | gcaccaactt  | caatcaagtc  | 3126120 |
| atctgaaaga  | agcaataacct | ccttttcctt  | accttcctga | taaatatgta  | ccgtttctcg  | 3126180 |
| cagttctccg  | ctactgatta  | cgatacttcc  | acttcgtttg | tcgtaaccgt  | cgttagccaa  | 3126240 |
| tatacgaaaa  | gccagcaccg  | atttttccag  | actccgtgta | gagatttgct  | caatccatgt  | 3126300 |
| atccgaggtt  | tctacttcaa  | aggcgacatt  | tgcttccact | tccacttcta  | tctccgactc  | 3126360 |
| accggcagga  | agctgatagc  | tttgctgcga  | aacaatcaat | gcatactttct | gcttttgtga  | 3126420 |
| aacgacaatc  | gtttccctat  | tgtcgccaca  | ctccaggaaa | acggaagcac  | tacgttcgctc | 3126480 |
| cgtaccttcg  | ttagctgcta  | ccgaaatggc  | aaccgatgcc | tctccctgtt  | ttccggaaac  | 3126540 |
| tggagaaact  | gtaaccatc   | ccgtagcacg  | cacgttgcc  | attgtagccg  | tccagtcggc  | 3126600 |
| cgtagccgta  | aaatgtactg  | taaccgttcc  | accagaagca | tccagtaatg  | gattcgtatc  | 3126660 |
| agttccttcg  | gctagcgtaa  | tcttggttcc  | aggagtttca | ggttcatcgg  | gtatcgctgc  | 3126720 |
| tttctcttct  | ccagtacaag  | ccgacaatac  | caacaagagt | acaaacagag  | ctttctgcat  | 3126780 |
| catttgcata  | ttactccaac  | ggaaagaatc  | gttcatagat | ttaagatat   | aaaaatgtga  | 3126840 |
| aaactttttc  | agtaaaaaaca | agatagccta  | tcgtcgctta | aattatacat  | tttttatcaa  | 3126900 |
| acatacaaagt | tttttatcac  | attttcttta  | catataataa | aaatagtata  | cattaattat  | 3126960 |
| aaagtactaa  | tagatatatt  | tcattttata  | taaaagaaat | acaagaaacg  | aaaggcaggc  | 3127020 |
| taaagagagg  | aagaagtatt  | agcaagaaaa  | ttgacacatt | atctcagcta  | tttaccaaag  | 3127080 |
| acatgtagaa  | gagataatgt  | aacagaaaa   | tatcttcaag | taaaatattg  | gtgaaaatat  | 3127140 |
| caggatattt  | tttccaagtt  | atatacagaa  | atgcctgaaa | acatctcgac  | attttccgaa  | 3127200 |
| aatttgtaca  | aattccaaaa  | tcttttgtac  | aaaaaatatc | cctttaccca  | tagtgtcttt  | 3127260 |
| actgaaaaga  | caacacataa  | gtaaaaggat  | atctctatgt | ggtcacctct  | ctcttttgaa  | 3127320 |
| atctatatata | caaaaaggaa  | cggaggtgtt  | atatttttcg | ctcaatcaca  | taatcaatat  | 3127380 |
| aagcagtaag  | tgccgcacgg  | atagcttcat  | cagccgattc | aggaagcaaa  | gccagcgcct  | 3127440 |
| tattgcggta  | gtcgtacatc  | accttttccg  | catagacgat | acctccctcc  | tgctttacat  | 3127500 |
| aatctacaaa  | accagcaatt  | tcttcttttcg | acgcactaag | cgaacggatg  | cgtaacgcca  | 3127560 |
| attcttttct  | tgcttcacgc  | gcacaggcat  | tcagtacatg | cagtgccgga  | agcgtcagct  | 3127620 |
| tacctcccat  | catatcattt  | ccggtaggct  | tgcccagctc | ctcattgtcg  | aagtaatcga  | 3127680 |
| agatatcatc  | ctttatctga  | aaggcaatgc  | caatcatctc | acaaaaaaga  | gctgcctttt  | 3127740 |
| ttatttcatc  | ttgtggagca  | tttaccgaga  | tgccaccact | ttctgcactt  | gccgtaaaca  | 3127800 |
| gtgctgccgt  | ctttttgcgg  | ataacgtcga  | aataaatctc | ttctgaaaaa  | tcgtgattgc  | 3127860 |
| tgatgttcac  | caactgaata  | atctcccctt  | ccgataagtt | ctgtcccaag  | cgggccacaa  | 3127920 |
| gctccaccag  | atcaatatgt  | ttggtatagc  | aagcatgacg | cagactgggt  | gccagcatat  | 3127980 |

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|              |             |             |            |             |             |         |
|--------------|-------------|-------------|------------|-------------|-------------|---------|
| agtcgcctac   | cagtacagat  | accttggtat  | cataaagtgc | atttaccgat  | gattgtcccc  | 3128040 |
| gccgcttggt   | actttcatcc  | accacatcat  | cgtgtaccag | actggcagta  | tgaagcagct  | 3128100 |
| ccagtgacaa   | tgcagcatgt  | aagggtggaat | cgtttaccac | gccataaagt  | tttgccataa  | 3128160 |
| gcaagaccaa   | aatgggacgc  | atcatttttc  | cattcctctg | tttgatatag  | cctaaaactt  | 3128220 |
| cattcaataa   | cggagtggaa  | ctgtgcagtg  | aggcgtcgaa | aagagcctta  | aattcgctta  | 3128280 |
| attccttttc   | tacgggttgc  | ttgattactt  | ctaacttatt | catggagatt  | tatttgggta  | 3128340 |
| caaaagtaat   | aataaaacag  | cgaatacggg  | atTTTTTgt  | acttttacat  | agaaaactta  | 3128400 |
| ataattttac   | acgaatggag  | aaactatttc  | tactcgatgc | gtatgcactc  | atctaccgtg  | 3128460 |
| catactatgc   | ttttatcaaa  | aatccgcgta  | tcaactccaa | aggtttcaat  | acatccgcta  | 3128520 |
| ttatgggatt   | cgtcaatact  | ctggaagatg  | tcctgagaaa | agagaaccct  | acccatatcg  | 3128580 |
| gtattgcctt   | cgatcctgcc  | ggaccgacgt  | tcgccacaga | agctttcgag  | cagtataaag  | 3128640 |
| cacagcgca    | agaaactccc  | gaagtatttc  | gcctctctgt | tcctattatt  | aaagatatta  | 3128700 |
| tccgtgctta   | ccgtattcct  | attctcgagg  | tacaaggtta | cgaggctgat  | gatgtcatcg  | 3128760 |
| gaacacttgc   | aaccgaagcc  | ggaaaacagg  | gtattaccac | gtatatgatg  | acacccgata  | 3128820 |
| aggactatgg   | tcagctgggtg | tcggaaaatg  | tatttatgta | ccgacccaaa  | tatggcgaca  | 3128880 |
| aggagttcga   | agtaatgggt  | gtaaaagaaa  | tcaaggccaa | attcgatatc  | gaatcacctt  | 3128940 |
| tgcagggttat  | cgatatgctg  | ggactcatgg  | gtgatacggc | cgacaacatt  | ccgggatgtc  | 3129000 |
| cgggagtagg   | cgaaaaaaca  | gccccaaaat  | taatcgccca | atttggaagc  | atcgaaaact  | 3129060 |
| tgcttgccaa   | taccgaccag  | ctgaaggggg  | ctattaaaac | aaaggtggag  | aacaatcgcg  | 3129120 |
| aacagattac   | tttctccaaa  | ttcctggcta  | ccattaaaac | ggatgtccca  | atctcactcg  | 3129180 |
| acatggaagc   | gctgaaacgt  | gaacagcccg  | acgaagagga | actccgcaaa  | atTTTTgagg  | 3129240 |
| aattggaatt   | tcgtaccttg  | ttggaccgta  | ttctcaaaac | ggaaaagaaa  | acagcggctc  | 3129300 |
| cggcagcctc   | ttctcaaagc  | gatctctttg  | gattttttac | ggacgagaat  | gcaggcgaac  | 3129360 |
| aaaaaaaaattc | aaatctcacg  | cggttagaag  | atctgaattt | tgactatcaa  | cttattgatt  | 3129420 |
| cagaggataa   | aatagacgaa  | ttattacaaa  | atatcgttac | aaaagatttt  | ttcagtctag  | 3129480 |
| atacggaaac   | tacgggaacc  | gatccgataa  | ccgccgaatt | ggtaggaatg  | agcttcagtt  | 3129540 |
| ttaccgaaaa   | tcaggcattt  | tatgttcctg  | ttccggcaaa | ccgtgaagaa  | gctttgaaaa  | 3129600 |
| ttgttaataa   | atttaaatac  | gttctcgaaa  | acgaaaaaac | gctgaagatc  | ggacaaaata  | 3129660 |
| taaaatacga   | tatgctggta  | ttgggcaact  | acggtgttga | agtccgcggt  | ccgatgttcg  | 3129720 |
| ataccatgat   | tgcacattat  | gtactccagc  | ccgaactgca | tcattggtatg | gattatcttg  | 3129780 |
| ctgaagtcta   | tttaaaatat  | gaaaccataa  | aaattgagga | actgataggc  | cctaaaggca  | 3129840 |
| aaaaccagaa   | aaacatgcgc  | gacctccctc  | cttcttcggt | ctacaagtat  | gcgtgtgagg  | 3129900 |
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| tcgacgaatt   | attccgaagt  | atcgaaatgc  | cactggtgcc | ggtccttgcc  | tatatggaac  | 3130020 |
| gcaatggagt   | acgtatcgac  | acggaagcac  | tgaagaaac  | ttcccgacat  | tttacggcac  | 3130080 |
| gcatgcaaca   | actggaagaa  | gaagttcatc  | agcttgccgg | catggagttc  | aatatcgctt  | 3130140 |
| ctcccaaaaca  | ggtcggcgaa  | gtgttggttcg | accgtctgaa | aataacagac  | aaggcgaaga  | 3130200 |
| aaacaaaaac   | cggacagtat  | gttacttccg  | aagaagttct | ggaaagcctg  | cgcggaacac  | 3130260 |
| atgagattgt   | aggggaagata | ttggaacatc  | ggggactgaa | gaagttactg  | ggtacgtata  | 3130320 |
| tcgatgccct   | tcctttattg  | attaatccca  | aaaccgggca | catacatact  | tcattcaatc  | 3130380 |
| agactgttac   | cgccacaggt  | cgactcagtt  | ccagcaatcc | gaacctgcag  | aacatccccg  | 3130440 |
| ttcgcaatga   | agacggaaag  | gaaatccgac  | gggcatttat | tcccgatgaa  | ggatgtgagt  | 3130500 |
| tcttctctgc   | cgactattct  | caaatcgaa   | ttcgtattat | ggcacacctg  | agtggagacc  | 3130560 |
| ctcacatgat   | agaagccttc  | cagaaaggac  | aggatattca | cgcagccact  | gctgcaaaaa  | 3130620 |
| tatataagga   | gccgctggaa  | agtgtcacgc  | gtgaacagag | aagcaaggca  | aagactgcca  | 3130680 |
| actttggtat   | tatatatggt  | atatcggtat  | tcggactggc | agaacgattg  | aacattgaac  | 3130740 |
| ggaaagaagc   | caaggaactg  | atagacggct  | atttcgaaaa | ttaccgcat   | gtaaaagaat  | 3130800 |
| acatggataa   | aagtatccgg  | ctggcacaag  | aaaaaggtta | cattgaaaca  | atctttaaac  | 3130860 |

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|             |            |            |            |             |             |         |
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| gcaatgccat  | caacgcaccg | atacaaggaa | gtgcggccga | tattatcaag  | gtggcaatga  | 3130980 |
| tccgtatcta  | caaacggttc | atggaagaag | gcattcgctc | caaaatgatt  | cttcagggtac | 3131040 |
| acgatgaatt  | gaacttcagc | gtcgtgcccc | aagaaaaaga | aaaagtgcaa  | caaattgtga  | 3131100 |
| tatctgaaat  | ggaagctgct | tacaaaatga | aagcaccttt | gcgagcagac  | tgcggttggg  | 3131160 |
| gtaaaaattg  | gttggaagca | cattgacacg | gttaaattgt | taacaaatct  | ttaaatgcta  | 3131220 |
| acaaattgct  | aaaatattca | ttttttctta | tcgaaaagtt | agcagcatca  | aaagggtttta | 3131280 |
| ctaactttgc  | agtgtaatga | aaaacaaaaa | gatagtaaca | ccttaaaaatt | taaagatatg  | 3131340 |
| aaaaagatga  | atttactcaa | gagtttattt | gtaacagtat | ttgtttttgc  | cgctaacctt  | 3131400 |
| acagtttttg  | ctaacagtcc | ggaaactgaa | ctgatataca | atactgaaga  | aatagatgga  | 3131460 |
| gtaaagatgt  | ctgaaaccgt | ctacaaaatg | aatgaaggta | ttctgacaaa  | ttttgaaaaa  | 3131520 |
| tataactata  | agtacaacga | ccagaaacaa | gttggtgaaa | acatactgca  | aaagtgggac  | 3131580 |
| gcaagtaagg  | gagaatggcg | taacaacatg | tgtatcaaat | atcaatacaa  | tgaagggagc  | 3131640 |
| actactatcc  | aatactataa | atggaatgaa | tcaaagaaag | attatatctt  | tgttccgcag  | 3131700 |
| atgacagtaa  | caatgaatat | gtaaaaactg | catacaaaaa | aaacaatatt  | ttcataaact  | 3131760 |
| ctctaacttt  | aagaggcacc | tcgtgagaag | cgctcttttt | ttgtttatct  | tccagctata  | 3131820 |
| tctgttttta  | gcctatatta | taacaatttg | ttactaaaat | ttcgttccat  | tctgtttcaa  | 3131880 |
| aggaacaaca  | actaatcttt | ccttaactac | gatacatttc | tgaaaatatc  | cattgtttta  | 3131940 |
| gcaaaagaca  | aaaagaatga | ctaactttgc | aggctgaaaa | agactgataa  | ttaataagga  | 3132000 |
| aataatataa  | gcttatggca | ttacaatgtg | gtatcgctcg | tttgccctaac | gtaggaaaat  | 3132060 |
| cgaccctttt  | taactgttta | tcgaacgcaa | aggctcaggc | agccaacttc  | cctttctgta  | 3132120 |
| caatagaacc  | gaatgtaggc | gtcatcactg | taccagacga | acgcctgaac  | aaactggcag  | 3132180 |
| aactggttat  | tcctgaccgt | atcgtaccga | ctacagtaga | aattgtagat  | attgccggat  | 3132240 |
| tggtaaaaag  | tgcaagtaaa | ggtgaaggcc | tcggcaacaa | gtttcttgca  | aacatccgtg  | 3132300 |
| aaacagatgc  | tattcttcat | gttttacgct | gtttcgatga | cgacaatgta  | acacacgtag  | 3132360 |
| acggtagtgt  | aaatcctgtc | cgcgataaag | aaattatcga | tacagaactt  | cagctcaagg  | 3132420 |
| acctcgaaac  | aatagagagc | cgtatccaga | aagttcagaa | acaggctcag  | acgggaggcg  | 3132480 |
| acaaagtagc  | aaaacaaact | tacgaagtat | tggttcgcta | ccgcgacgca  | ctgttgcaag  | 3132540 |
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| tattcctgct  | gacttccaaa | ccggtaatgt | atgtctgcaa | tgtcgacgaa  | gccagtgtctg | 3132660 |
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| tcctgattgt  | agctgctaag | acagaagccg | atatcgccga | actggaaaca  | tacgaagacc  | 3132780 |
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| tcgaaaaaag  | ctttatccgt | gcagaagtca | tcaagtacga | cgactttatc  | aaatacggct  | 3133020 |
| cggaagctgc  | cgtacgtgaa | gcgggtaaac | tgaacgtaga | aggtaaagat  | tatgtcgtag  | 3133080 |
| aagacggaga  | tatcatgcat | ttccgcttca | acgtataata | catcatacaa  | catttcctata | 3133140 |
| aatcgggtcac | cgctgtgtgt | ccgatttatt | tttttaacc  | taaaaacat   | aaaccatgaa  | 3133200 |
| ctatctgatt  | ataggtaccg | gcggtgtggg | aggaagtatc | gccggatttc  | ttgcaactgg  | 3133260 |
| agaaaaagaa  | gtgacatgta | tcgcacgggg | aaagcatctc | gaaagtatcc  | gcaaacacgg  | 3133320 |
| acttcacctg  | aaatccgacc | tgaaggggga | acattacttg | aaagtaaacg  | cttgtacggc  | 3133380 |
| agaagaatat  | caggggaaag | ccgatgtcat | ctttgtctgt | gtcaagggat  | attccatcga  | 3133440 |
| ctcggtaaaa  | gaggtgatag | aacgtgccgc | tgctcctcat | acactgggtca | tcctataact  | 3133500 |
| aaacgtttat  | ggtacggggc | cacgtatcgg | acgcctcact | cctgggggtta | ccgtactcga  | 3133560 |
| cggctgtatc  | tatatcgtag | gctttgtatc | cggagaggga | gaaatcacc   | agatgggtag  | 3133620 |
| tatcttccgt  | ctggttttcg | gagcacggcc | ggaacaaggt | gttgcccggg  | aacgcattga  | 3133680 |
| agctattgcc  | gaagatatca | gaagttgcgg | catcaaagtc | gatgtttccg  | acgatattaa  | 3133740 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| tcgcgatact  | ttcatcaaat  | gggcatttat  | ctcggccatg  | gcatgtaccg | gtgcttacca  | 3133800 |
| cgacgtcccc  | atgggggaag  | tacagcacga  | aggcgaagtt  | cgtgatacgt | ttatcggatt  | 3133860 |
| atccaacgaa  | agtgcgcgca  | tcggacggaa  | aatgggcatt  | gcttatccgg | aagatcctgt  | 3133920 |
| agcctacaac  | ctgaaagtca  | tcgacaaact  | cgatccgcac  | agcacagcct | cgatgcagaa  | 3133980 |
| agatcttgcc  | cgcggacatg  | aatcggaaat  | acaaggatat  | ttgttcgata | tgattgactt  | 3134040 |
| gggagaacga  | ttaggcattg  | atatgccaac  | ctaccgaaaa  | gtggctctga | aattcaaagg  | 3134100 |
| aaaatgatga  | tctatacgca  | acaggaagct  | ggaacatgcc  | tggtgcactg | accgtcagcc  | 3134160 |
| atgcgtttgt  | cgacggagca  | catatctcgc  | ttttcttcga  | gaaaatagaa | caatacctca  | 3134220 |
| aagaaatcgg  | ccagtaacct  | acattcataa  | aacaaacagg  | accacagcaa | ttccatagcc  | 3134280 |
| tagagccgaa  | gacccattct  | tcgacagact  | tctcagcttg  | ctgcggtcct | gtttatcaat  | 3134340 |
| tccagcttat  | ttccgattca  | ggtaatcgca  | taattttctgc | gttgcccgtg | cccggtgact  | 3134400 |
| gattttattc  | ttttcttcat  | ttcccatttc  | ggcaaagtgt  | tcggtatata | cttcggggac  | 3134460 |
| gaacaccgga  | tcgtagccaa  | agcccgaaca  | accgcgtttt  | ttttcgatta | tttcgccttt  | 3134520 |
| taccatgcct  | tcgaagagat  | gttcgcgttc  | tcctctgatc  | aggcaaatag | ccgtacgaaa  | 3134580 |
| ttgcgcctta  | cggttggact  | tgcttccag   | ttctgccaac  | agctttttca | tgttggcttc  | 3134640 |
| cgagtcgtgt  | ccttctcctc  | cggcataacg  | tgccgaatac  | accccgagg  | cgcctcccaa  | 3134700 |
| agcctcaacc  | tccaggccgg  | tatcatcagc  | gaaacagtcc  | aagccataat | ttttgtaaat  | 3134760 |
| atattctgct  | ttcaatgctg  | cattcccctc  | cagtgtatct  | gccgtttccg | gaatgtcagc  | 3134820 |
| ctcgcaatga  | atatctttca  | aactcagtac  | ttcgacctta  | tctcctaaga | tgccacgtat  | 3134880 |
| ctcgtccaac  | ttatgagcat  | tggtcgtagc  | aaaaaccaat  | ttctttttca | taatcaatat  | 3134940 |
| tatactatca  | ttttccgcac  | aaagatacat  | atactcaggc  | aaccagccgc | tacttcatgc  | 3135000 |
| cacctatttt  | ctgtgtacct  | ccggcaaggc  | aagcctctct  | cctgtctata | taaaaaagcc  | 3135060 |
| cggcttcctt  | accggaaacc  | ggacccttag  | tgtgtagcct  | atattaattc | aaaataattt  | 3135120 |
| cgtctacaaa  | taaataaacc  | gtcttgcctt  | ttcctccatg  | ccatgccgga | atactctttt  | 3135180 |
| ccgacagcgc  | ttttactttg  | acataacgtg  | cctttaccgg  | agtgaagtc  | agtgtatgct  | 3135240 |
| catatacctg  | attcggatct  | gtttccttca  | taaccggata  | agtttccgaa | gccacctgct  | 3135300 |
| tgaaggctctg | gttgcctacc  | gatacttcta  | ccgaaatacc  | tctggcatcg | aatatccagt  | 3135360 |
| cacctttctc  | tacacaagta  | tataaggctca | tcgaactgat  | ctctgttgcc | tccttcaagt  | 3135420 |
| cgataacagc  | ttccatgtca  | tttccataga  | aagcaatcca  | gcgaccggtc | ttatagttac  | 3135480 |
| gattaccctg  | cataccgtct  | accagagtaa  | tggcgccgtt  | atattcatac | gccttggttaa | 3135540 |
| tcggctgttaa | catgggtgatt | ggttttgctg  | tcgacttaca  | gaaagaaatg | ctgtcgcgatg | 3135600 |
| taatgcgtga  | agtaccttcc  | ggacgtatag  | cagccatacg  | caacacacaa | gtcttgtcaa  | 3135660 |
| tggacaaacc  | gttttcatac  | ttcaacgaag  | cagttgtcgg  | ttccgtaccg | tcgagtgtat  | 3135720 |
| aatacacagg  | tgcatcgtca  | atggtatagc  | catttacatc  | cagctttcct | gtttcctgat  | 3135780 |
| taggctcaat  | cttcacattt  | acgtcgaaaa  | tatgcgttgc  | atagttccat | cccttcaact  | 3135840 |
| gataaatctt  | tgtcaggcgg  | gccgtacgct  | tcaggaagcc  | tgcataatct | ttcttcttgt  | 3135900 |
| cgggagtact  | ccactgcgtt  | tcacaaagag  | cagccatacg  | cggtaacgtc | atatactgta  | 3135960 |
| cctgagcgaa  | agtcggcata  | tattccgtcc  | acacattagc  | ctgtacacc  | gtaatgtatt  | 3136020 |
| tttgttcttc  | cggagtcaac  | tcagccggca  | tcggctcata  | gctgtatata | cgggtccatcg | 3136080 |
| ggagatatcc  | tccgatagcc  | agcggctcgt  | tttcgggtatc | ttttgcctga | taataatcga  | 3136140 |
| agtacaaata  | ggtattcgga  | gtcatgatca  | cgttgtgttt  | ctggcgtgca | gcttcgatac  | 3136200 |
| ctcctgcttc  | acctctccac  | gacataacgg  | tagcattcgg  | agccagtcgc | ccttccagta  | 3136260 |
| tttcatccca  | gccaaataatg | ttacgtccgt  | gctcattcag  | gaacttttct | gcctctccga  | 3136320 |
| tgacatagct  | ttgcaagtac  | tcttctttcg  | aatgcttgct  | gtcactctta | atgccagtg   | 3136380 |
| ccttgattct  | tgctgacat   | ttcggacaag  | tcttccactt  | gtctttcggg | cattcgtcac  | 3136440 |
| cgcctacatg  | aatataattt  | gacgggaaga  | tatcgataat  | ttcactcagc | acatccttga  | 3136500 |
| tgaactgaat  | cgtctggtcg  | tttctgcac   | aaagcacatt  | atcggaacg  | ccccacatcg  | 3136560 |
| tccagacttt  | atacggacca  | ccggtacatc  | ccaactccgg  | ataagcagcc | agcgcagcct  | 3136620 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| gcatgtgtcc  | cggaaggtca | atttcaggaa | taacggtaat  | ataacgttct  | gccgcataag  | 3136680 |
| caacgatttc  | cttcgcttgt | tcctgtgtat | agaaaccgcc  | ataaggctta  | ccgtcatatt  | 3136740 |
| cacccgaatt  | acgtccgatt | accgtttcgt | cacgtttcga  | accgatttcc  | gtcagcttcg  | 3136800 |
| gatatcttct  | gatttcaata | cgccatccct | ggcttctcga  | aagatgccag  | tggaacgggt  | 3136860 |
| tgatgttatg  | caaggcaagc | atgtctatgt | aggttttgat  | ttcgtccaca  | gtaaaccatgt | 3136920 |
| gacgaccac   | gtcgagcatc | ataccacgat | agctgaaacg  | cggactgtcg  | ttgatttcca  | 3136980 |
| cggcaggcaa  | ttcaatcgct | ccacctcctt | cgtgtacaga  | aaccgactta  | cgcaacgtct  | 3137040 |
| gaatgccata  | gaatactcca | gcctcagaag | gagcagcaat  | caccactttc  | ttgccatcta  | 3137100 |
| cagtcatacy  | gtatgcctcc | ggcgaattag | cttccagtc   | cagtttccagt | acgattccgc  | 3137160 |
| tttcttcatc  | tccttcctgt | accttcagg  | caatgccgg   | ctgctccttg  | atgaacgaag  | 3137220 |
| ccagaaactc  | ggcgttcttc | ttcatctttt | cattaccggc  | cgtgtaataa  | atcgtttctc  | 3137280 |
| cgctcttcag  | caggaagccg | ttttgttgag | gagttgtcat  | ctccaaaggc  | atcggcacia  | 3137340 |
| tctgataatc  | agcgacagcc | gtcggttgtt | ccgtacaaga  | ggtcgccaat  | ataccggcaa  | 3137400 |
| atgccagccc  | caagcagttc | aattttgaga | agggtttcat  | aaaagttaaa  | tataaagggt  | 3137460 |
| agtattcaat  | ttattcatgt | tcaatagagc | agatatcacc  | caactgacgt  | atgttcaccg  | 3137520 |
| tgagatcttc  | cagcgcacat | ccgtcgcccg | aagttacaag  | tatctttcgg  | gaaacaccag  | 3137580 |
| gcaacagggtc | gaaaaaatta | tccgaaaaac | gtactccctg  | aaccgggtatc | tcgataaaca  | 3137640 |
| catcacgagc  | cagctggtcc | gacttcaatg | tcagttcata  | agcaccgttt  | ttctttttca  | 3137700 |
| ttttgcagct  | gatctttgcc | tgaggcaagt | gctgagattt  | gggaagtgcc  | ggataataaa  | 3137760 |
| cttcatccga  | aagaatctct | cggccatgcc | ggctcttcaa  | ggtcattgtg  | ataaacgaag  | 3137820 |
| tagtcgtatc  | gcatgcggca | aaagcctgat | tccagtcctc  | ttcgtaaaaa  | acgacggaag  | 3137880 |
| aattaaccgg  | cagcttacc  | tctacctgat | gccggcgag   | caccttccct  | ttgaagttca  | 3137940 |
| tcagttccat  | ctgcaacacg | acatcttttg | tcttcaacac  | atccgacata  | acatagtatc  | 3138000 |
| tcagtttatc  | tccctcacgg | atagcatcta | ccagcacggg  | ggcaaattgcc | cggcgactct  | 3138060 |
| ggtaatgcaa  | ggccttccag | ttaccgaagt | aatcgatagc  | cgaccacgaa  | accactggcc  | 3138120 |
| agctgtcatt  | gagctgccag | attagactgc | ccatgcaata  | cggacgattc  | cgacgatgcg  | 3138180 |
| cttccattcc  | ttgacgcatt | ccgtgtcctt | gcagcaccaa  | tcccagatac  | actaggccct  | 3138240 |
| caaatttttc  | aggaaccgga | taatacagtc | ccatggctct  | cttaatcagg  | aaattgccaa  | 3138300 |
| ttgaactctt  | ctgatgcgag | ttcatcaccg | gcgattccat  | gtcatagtct  | tccggcgtag  | 3138360 |
| caaaggaatg  | tatggttttc | atttcaggga | acgactggaa  | gccgaattcg  | ctcatgaaac  | 3138420 |
| gggggatttc  | cgatccaga  | ctctcgaaag | gtttctgtcc  | gtaccatgtt  | ccccagttat  | 3138480 |
| ggctgtcccc  | tctcttccag | ctctccggcc | tgccccaatt  | ggcttcgtaa  | ggagaactct  | 3138540 |
| ccagataaaa  | cctgccggga | tccagctctt | tcactttttc  | cggcaacagc  | ttacggaaca  | 3138600 |
| atatatcata  | tccgtctgcc | agttgctgat | agatttcagg  | accgtatttc  | cgcttccatc  | 3138660 |
| cccaatatatt | catacctca  | ccgacttcat | tgttgccaca  | ccacattgcc  | agcgaagcat  | 3138720 |
| gattgcgcag  | acgcttgatg | ttgtaaacca | cttcttccga  | tacctgtttc  | agaaaagcag  | 3138780 |
| ggatcatgcg  | ataaggggta | caggcaaaca | taaagtccctg | ccacaccagt  | atcccccgct  | 3138840 |
| tgtctgcctc  | ctcatacaag | gcatcgtctt | catacactcc  | tccgccccag  | acacgtatca  | 3138900 |
| tattcatgtt  | tgacgcctgt | acatcctcca | gcaggcggac  | ataccgttca  | cgggtgacac  | 3138960 |
| gtggcaacaa  | ggcatccgag | ggtatcagat | tggttccctt  | ggcgaacatc  | ggaataccgt  | 3139020 |
| tcacctcaaa  | atagaagctc | atgccagac  | tatctctctc  | gtttacgaca  | cgtatcgagc  | 3139080 |
| gaagtccaat  | ccgatgttgc | tggttgga   | ccgtttctcc  | atccatgcag  | accgaagcac  | 3139140 |
| ggaaatcata  | caaggcagcc | tctccccatc | cattgggcat  | ccataaatgc  | ggagattcaa  | 3139200 |
| tggtcagagg  | aagcgatacc | gtattcagcc | ccggttgcaa  | gcggaaccgtt | tggtccacgc  | 3139260 |
| tccggctctc  | ctcctgtccg | taagcatagg | tcacctttac  | ctgtgcctcc  | cgtatttcgt  | 3139320 |
| tgccgagatt  | acgtatttcc | agccggttgt | ctacttccgc  | ccggtcagaa  | gttaccgact  | 3139380 |
| gctggcagac  | aaaataatct | tctatttccg | cctgattggc  | aaattccaga  | caaaccgggtc | 3139440 |
| gccagatacc  | acatgtcacc | atccggattc | cccagtccca  | gccgtatgaa  | taaggcgcct  | 3139500 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| tacgggtgaa  | gatacttacc | cgttcggccc  | gatgttcatt  | ggcagccgga  | taaataaagc  | 3139560 |
| cgtttgtttc  | ccactgaggc | atggcttccc  | gaatcggcga  | acggaagcgg  | atgagcagct  | 3139620 |
| tgttctcccc  | gctcctcaaa | acatgtttca  | ccggtaccgc  | atagccgaca  | aacatattgt  | 3139680 |
| tggccttcag  | tatgcatact | ccgttcagcg  | aaacatcggc  | atacgtgtca  | agtccgtcaa  | 3139740 |
| aaaccagaaa  | aatttcttga | tgtgcaagtt  | gctcttccga  | gagcatgaaa  | gacgtccgat  | 3139800 |
| acaaccagtc  | ttcatcttcc | accatttgta  | tctctttttc  | attcattccg  | taaaaaggat  | 3139860 |
| caggtagttt  | accagagacc | atcaaatcct  | gatggacagt  | accgggcaca  | gtggcaggca  | 3139920 |
| accattcatc  | acttccatac | tttgaaaact  | gccagttgga  | gtgaagtgtc  | agactatcgg  | 3139980 |
| caagtgcggt  | attaccaaac | gaaaaaagac  | ttgtccataa  | taccgccaga  | atgattttcc  | 3140040 |
| acataatttt  | cacattacag | atttaagaac  | cataccacta  | gatttcgctc  | ccctcactct  | 3140100 |
| catctttcaa  | gagcttcttc | ttccttatga  | aaaaagccga  | gaaagagctt  | caaaaaagca  | 3140160 |
| ggacaaaagg  | atttcaggcg | aaatttcttc  | atgatacaaa  | ataaagcaag  | tttttccgat  | 3140220 |
| aaaacaaata  | aaatcaatcg | gaaaaacttg  | ctttattttca | tcaaacgcc   | tagggcttgt  | 3140280 |
| ttaaatcttt  | cagcctatcg | ccgaaattta  | ttttactttc  | agcttatcaa  | atccttcgcc  | 3140340 |
| gtatactccc  | accacattgc | tttgggaaac  | aaaagcatcc  | ggatcgatat  | cttttaccag  | 3140400 |
| acggaaaata  | tcaagcgact | cacctttctt  | tgccagcacc  | acaataacct  | tgatgtcttg  | 3140460 |
| cttgctatac  | cagccctgtc | catcgagcaa  | cgttacccca  | cggctctatct | gggtagaaat  | 3140520 |
| accttctgct  | atctgctcat | atttccgtga  | aaagatcagg  | aactggaccg  | actgacggga  | 3140580 |
| actgttgatc  | acatagtcaa | tgacgaaact  | catgataaac  | agcacacaga  | aaccgaataa  | 3140640 |
| cacgcgcttc  | cagtcgtgaa | agatgaagta  | acacgacgaa  | atgatcacga  | tatcacagta  | 3140700 |
| catcatcatg  | cgtcccaagg | taacgtcctt  | gtatttggtg  | ataatccatg  | cgataatatc  | 3140760 |
| cgttcctccc  | gtactaccgt | tgttgagaa   | tacgataccg  | attccgaagc  | caagcagtc   | 3140820 |
| ggcaccgatg  | acacaggcca | tgaactcctg  | ccccgggtccc | aaaagctgag  | gaagattttcc | 3140880 |
| gtcactgttc  | ctgaacaata | cctgaaacca  | ccacagcagg  | aaagtcagca  | taaagatggc  | 3140940 |
| atagatggtc  | ttcacactga | atttcgggtcc | cagaatcttc  | aaggcaaadc  | ccaggaaaac  | 3141000 |
| cgcattgatc  | acaaagtaag | aaatctgaat  | ctctatccc   | gtagcataat  | aaataatagc  | 3141060 |
| ggcaatacca  | cttactccac | cgggtgttat  | ctggtaaggc  | aacagaaaag  | caacccatcc  | 3141120 |
| cagcgcataa  | cataccagtc | cgaaagtaat  | ggcaaggtag  | tctttcgact  | ccctgcctat  | 3141180 |
| ttttctcttt  | agaatcgctt | ccatacgtgt  | gcgattaaag  | tacgatgttt  | acaatcttct  | 3141240 |
| tcggcacgat  | gatgactttc | ttcgggtgtc  | tgccttcaat  | ccatttctgc  | gactgttcat  | 3141300 |
| cgctcataac  | ggctgcctga | atgggttctg  | tgtctgcatc  | ggcaggggaat | tccatcgtaa  | 3141360 |
| agcgagcttt  | tccgttgaaa | gagattgtat  | atttcacact  | gtcttccttc  | aggtattctt  | 3141420 |
| cgttgaatac  | cggccattgt | gcgtcaciaa  | ccgatgtcgt  | gttaccat    | gcttcccaca  | 3141480 |
| attcttctgc  | cagatgtgga | gcaaacggag  | caatcagtag  | taccagatca  | ctcatcacgg  | 3141540 |
| ccttggttacg | gcatttcagt | gaagtcagtt  | cgtttacaca  | aatcatgaag  | gcactgatag  | 3141600 |
| atgtattgta  | agagaaggtc | tcaatatcgc  | ctgtcacctt  | cttgatcagc  | ttatgaatag  | 3141660 |
| acttcagttc  | ttccttagtc | ggctctcctg  | ctgccggcat  | gaaattgccc  | tgacgggtcgt | 3141720 |
| agaacaagtt  | ccagagcttc | ttcaggaaac  | ggtgaacacc  | gtcaataaccg | tttgtatccc  | 3141780 |
| acggccttaga | ctgctctacc | ggtccgagga  | acatttcgta  | catacgcagc  | gtatcggcac  | 3141840 |
| catatttctc  | gacaatcatg | tccggattca  | ctacgttgta  | catcgattta  | ctcatctttt  | 3141900 |
| cgactgccca  | gccgcagatg | tacttgccat  | cttcacagaat | aaactctgcg  | ttattgtatt  | 3141960 |
| caggacgcca  | gttcttgaag | gcttctacat  | ccagcacatc  | gttcgataca  | atgttcacgt  | 3142020 |
| cgacatgcag  | cggagtcacg | tcatactgat  | ctttcaaacc  | cagtgaacaa  | aagggtattgg | 3142080 |
| tatccttgat  | acggtaaaca | aagttgcttc  | ggccctgaat  | cataccctgg  | ttcaccagtt  | 3142140 |
| tctggaacgg  | ctcttcttgc | atgcttacac  | ccaggctcgaa | caggaaacttg | ttccagaaac  | 3142200 |
| gagaataaat  | caagtgtccg | gtagcatgtt  | ccgtaccacc  | cacgtacaag  | tcaacattct  | 3142260 |
| gccagtaacg  | gtcagctttt | tcagaaacca  | atgcctgatc  | gttgtgcgga  | tccatgtaac  | 3142320 |
| gcaagtagta  | agccgatgaa | ccggcaaact  | ccggcatggt  | attcagttcc  | agcgggaaaa  | 3142380 |

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|             |            |            |            |             |             |         |
|-------------|------------|------------|------------|-------------|-------------|---------|
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| athtagtagc  | atgtcccaat | ggaggttcac | cggtttctgt | aggcaggaat  | ttatctactt  | 3142500 |
| caggaagttc  | cagcggcaac | ttgctttcgt | ctatcatgta | aggcatgcca  | tccttgtagt  | 3142560 |
| aaaccgggaa  | cggctcacc  | cagtaacgct | gacgggagaa | aatcgcgtca  | cgcagacggt  | 3142620 |
| agttcacttt  | gacacgacc  | aaatgatgtt | cttttacata | tttcttggtg  | gcagcgatag  | 3142680 |
| cttccttaat  | agtcagtcg  | ttcaggttca | aatcgcagta | aggagtaact  | cctgccttcg  | 3142740 |
| gtgaattaca  | tacgataccc | tcctttgcgt | cgaactttc  | ttccgataca  | tcacaacctt  | 3142800 |
| ctaccagcgg  | aatgatcggc | aggttgaagt | gttttgcaaa | cgcgtagtca  | cgactgtcat  | 3142860 |
| gagccggaac  | ggccatgata | gcacctgtac | cgtaaccagc | cagtacatag  | tcgctgatcc  | 3142920 |
| ataccggaac  | agcctctcct | gtaaacggat | tgacagcgta | cgaaccacta  | aacacgcctg  | 3142980 |
| ttacacgacg  | gtcggcgata | cgttcacggt | cggtagcttt | cttggtacga  | tccagataag  | 3143040 |
| cttccacttc  | tgctttctga | ccttcgggtg | tcagcagcgg | aacaagctca  | ctttcaggag  | 3143100 |
| ccagcaccat  | aaatgttacc | ccaaacatag | tatcggcacg | ggttgtaaag  | atggtaaatt  | 3143160 |
| ccagatcgct  | gtcttttacc | ttgaaacgaa | cttccgtacc | ttccgaacgg  | ccgatccagt  | 3143220 |
| tacgctgtgt  | ttccttcaat | gaatcgggtc | agtccaccgt | ttccagtcca  | tcaagcagac  | 3143280 |
| gctgagcata  | agccgaaaca | cgcagacacc | actggcgcgt | cttcttctga  | accaccggat  | 3143340 |
| atcctccacg  | ttcggataca | ccgtctacca | cttcatcggt | tgccagtacg  | gtaccaaat   | 3143400 |
| gcggacacca  | gttcaccatt | gtttcaccca | gataagcgat | acggtagtct  | atcagcactt  | 3143460 |
| cctgctgttc  | tttttcgttc | ttggctttcc | attcttcagc | cgtaaagctc  | agttcttcag  | 3143520 |
| tgcaagctac  | atccaagcct | tccgttcctt | tttcttcaaa | atgcttgatc  | agttcgcgtg  | 3143580 |
| taggttcagc  | ctttccgcat | gcgttacaat | aatagctggt | gaacatcttc  | tggaaagccc  | 3143640 |
| actgagtcca  | atggtaatat | cccggatcac | aagtacgcac | ctcgcgggtc  | cagtcgaacg  | 3143700 |
| agaaaccaat  | cttgtccaac | tgctgacggg | agcggttgat | gttggtttacg | gtagtgatag  | 3143760 |
| ccggatgctg  | gccggtctga | atggcatatt | gttcggcagg | cagaccgtaa  | gcatcgtatc  | 3143820 |
| ccatcggatt  | caatacatta | tagccctgca | agcgtttgta | acgagcataa  | atatcgtctg  | 3143880 |
| caatatatcc  | aagcggatgt | cctacatgca | gtcccgtcc  | agacggataa  | gggaacatgt  | 3143940 |
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| cccacctctg  | ctgccatttt | ttctcgattt | ctctgaaatt | atattccata  | gtggcgttat  | 3144060 |
| atattttgatt | tttttacgat | ttccgcaata | tcgtgcaaag | atagtaagtc  | ttcgggaata  | 3144120 |
| aacccgattt  | ttccgccaac | aaatatcaat | caatcgggtt | tctcgcagcc  | tattacctct  | 3144180 |
| tgcttcttgt  | taaatgtcac | tacaaatact | atcttctccg | tcagagaatg  | caaaaaattt  | 3144240 |
| catgaaaaca  | tcgtcctatt | ttcaacgtag | ttcacatatt | ataaacaggc  | ggtgaataac  | 3144300 |
| tattaaaaga  | ttagttaata | atctatttat | caaaaagaaa | tcaaaagtat  | ttaatcaaaa  | 3144360 |
| aaacaggaga  | ttattaacag | gactttcaac | aagtatatca | atatataaaa  | cagatacttc  | 3144420 |
| cactcttttc  | acatacttat | gaaacaattt | atccgatagt | ccgccacac   | ctatgaaaac  | 3144480 |
| ctactggtat  | aagcttccaa | gtttttgtac | aaaaataaat | ttcttttgta  | caaaaaataa  | 3144540 |
| aaaaatatgc  | agacaaatct | atccatattc | gaagagggtt | caagcaacct  | ttgcagatac  | 3144600 |
| ttaaattaca  | taacgtctca | aaaagaaaat | tcccctctgt | acttctatcc  | atagaacata  | 3144660 |
| cagaggggaa  | tctatatcca | ctatctacca | gcctttaact | tgcaaaatcc  | gccagtttag  | 3144720 |
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| tgtggcaagt  | ctgccctttg | gtagaaatct | tcaggtaatc | ccacaacaac  | tgcttgtagt  | 3144840 |
| ccggatgctg  | acaattttcg | atgacagcct | gtgcacgctc | catcgggctc  | ttccctctca  | 3144900 |
| ggtcagcaat  | accctgttcg | gtaataatca | cattcaccga | gtgctcgctg  | tgatccagggt | 3144960 |
| gcgataccat  | cggcacgatg | gaactgatac | atcctccttt | ggccgtcgac  | ggacaagaga  | 3145020 |
| agatcgaaat  | ataagcgctg | cgcgtaaagt | cgcccgaacc | gccaataacc  | ttcatcatct  | 3145080 |
| tcgtaccaca  | gatatgcgta | gagtttcat  | ttccgtaaat | atccgcttcg  | atagccgtgt  | 3145140 |
| tcacggaat   | gacaccgatg | cggcgaacta | cctccggaca | gttggtatatt | tccgacggac  | 3145200 |
| ggagtaccag  | cttgtggcgg | aagaaatcca | tattatcgta | aatatcttgc  | agacagtcgt  | 3145260 |



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| ccagcgcaact | gagcactgca  | ttggcaatgt  | ttcctacgcc | cgactgcaac  | ggcaggaagg | 3145440 |
| tagacggaat  | aatcccgcg   | cgcatgtccg  | cagccaggaa | atcggcaacg  | ttctgaccga | 3145500 |
| tcttatcgg   | tacaggggtcc | ggatcgtgga  | aaccacgtgc | ttcatccgga  | agatttacct | 3145560 |
| ccaccactcc  | gacaatcttt  | gctggatcta  | cctgaatata | aggcaaccgg  | atgcggtcgc | 3145620 |
| tcggacgtac  | gatcgggaatc | ggacgacgat  | acggcggacg | ttccatttcg  | tacaagtcac | 3145680 |
| gcaactccgat | cagtctcttg  | ctgtgagcag  | cgttcagctc | tacaatcacg  | cggtcggcca | 3145740 |
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| tcagttcaca  | agcttcgata  | attgccgtag  | tcacgtgtcc | cagaaaccgg  | gaacgcagac | 3145860 |
| gctgcgctac  | ttgcgacaaa  | tgtatatcag  | tataattaat | ctctccggca  | ttcacagcct | 3145920 |
| tacggaaatc  | aacattcggt  | gtatatgggtg | cacgaaaatg | aatagcatga  | gcacgagcca | 3145980 |
| gcaccccgctc | gcaagaatct  | cccgtagaag  | ctcccgtaat | gattcctacc  | tgaactgtt  | 3146040 |
| ctccccgggc  | gtgtttctct  | tctgcctgct  | tggcaagctc | tgccgtaacg  | gctttcggac | 3146100 |
| ttcctgccgg  | tgtaaaccgg  | ctcagggcga  | ttatctctcc | atcttttatc  | aggctggcag | 3146160 |
| cttcggctgc  | ggtcataatg  | ttataattca  | tgggtattag | tgtttttata  | attgttagta | 3146220 |
| ttaaactttc  | attactttcg  | gtttctagta  | tttacggtta | aaaatttcgg  | aataaataaa | 3146280 |
| ggcacgccgc  | gcctcttccg  | gtgttctcag  | ccgatatatc | ctgcccgacg  | tacttggcgg | 3146340 |
| agccgcatgc  | tgtacatccc  | tttcttgccg  | tttcccggat | gttttccgg   | tccttctctc | 3146400 |
| cgctccttct  | ctccttctat  | ttttctcttt  | tacagcacga | tgagctacat  | gctcttcttt | 3146460 |
| cacgaaagac  | tcagcatctt  | ccgcttccac  | acgcaccgg  | gctctccccg  | ccgttctccc | 3146520 |
| gcgggaagta  | cgatttcggt  | tcttttcttt  | tttgatataa | ttccgatacg  | cagtcagggc | 3146580 |
| aacagccact  | accacaacca  | gtatgcttac  | cacgtcgtcc | atcgtctgtc  | caaattgtta | 3146640 |
| ggagttgccc  | aaagatacta  | ataaatatca  | catattcatg | gaatttaggg  | aagaaactca | 3146700 |
| tatatattgca | aatgaattta  | ttaaataata  | acataacatt | atgacaaaag  | aagctacggg | 3146760 |
| agcggacttt  | aaatccgcaa  | ccgaactgga  | aacaaaaaaa | ctattttattg | agacttacgg | 3146820 |
| ttgtcagatg  | aatgtggccg  | acagcgaggt  | tatcgctct  | atcatgcaga  | tggcaggata | 3146880 |
| tactccctgc  | gatagcctgg  | acgaagccga  | tgccgtat   | atgaacacct  | gttccatccg | 3146940 |
| cgacaacgcc  | gaacaaaaaa  | ttctgaaccg  | tctggagt   | ttccattcgc  | tgaagaaaaa | 3147000 |
| gcgcaagcat  | ctcatcgtag  | gtgtactggg  | atgtatggcc | gaacgtgtaa  | aaaacgactt | 3147060 |
| gatcgaaaac  | catcacgttg  | acctggtagc  | gggacctgat | tcttatctta  | cgctgcccga | 3147120 |
| tctgatcagt  | gccgtcgagg  | caggagagaa  | ggccatcaac | gtagaacttt  | ctactacaga | 3147180 |
| gacttaccgc  | gatgtcattc  | cttcacgtat  | ctgtggaac  | cacatctccg  | gctttgtatc | 3147240 |
| tatcatgcgc  | ggatgcaaca  | atttctgcca  | ctactgcac  | gtaccttata  | cacgcggacg | 3147300 |
| tgaagaagc   | cgcgacgtgg  | aaagtatcct  | gaacgaggtc | cgcgacttgc  | agcgcaaagg | 3147360 |
| ttacaaggaa  | gtgaccttgc  | tgggacagaa  | cgtaaactct | taccgtttcg  | agcgggaagg | 3147420 |
| agaggtggta  | acattcccga  | tgctgctgcg  | catcgtggcc | gaagccgtac  | ccgatatgcg | 3147480 |
| cgtacgcttc  | acgacttcgc  | atcctaagga  | catgagcgac | gaaaccttac  | atgtcattgc | 3147540 |
| cgacgtgccc  | aacgtatgca  | agcacatcca  | cctgccggta | cagagcgga   | gttcacgtat | 3147600 |
| tctgaaactg  | atgaaccgca  | aatatacacg  | cgaatggtac | ctggaaagg   | tagaggccat | 3147660 |
| ccgccgtatc  | atccccgact  | gcggactgag  | cacggatatt | ttctccggct  | tccactccga | 3147720 |
| aacggaagaa  | gaccaccaga  | tgagcctctc  | gctgatgcgc | gaatgtgctt  | acgactcggc | 3147780 |
| cttcatgttc  | aagtattccg  | agcgtccggg  | aacatacgct | tccaagcatc  | taccgcagca | 3147840 |
| cgtccccgaa  | gaagtcaaga  | tacgccgcct  | gaatgagctg | atcgaattgc  | agaatcaatt | 3147900 |
| gtctgccgag  | agcaatgccc  | gcgacgtagg  | caaaaccttc | gaggtagctg  | ttgagggagt | 3147960 |
| atccaagcgc  | tcaaaagaac  | agctgttcgg  | acgtacagaa | caaaataaag  | tcgtggtatt | 3148020 |
| cgaccgtggc  | acgcaccgta  | tcggcgattt  | cgtacgtgta | cgcatcaccg  | aatccagctc | 3148080 |
| tgctacgctg  | aaaggcggtg  | aagttagtga  | ctaattccaa | aaacaataac  | gaaatacata | 3148140 |

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|-------------|------------|------------|-------------|-------------|------------|---------|
| aaatcaaatt  | cgaaaagtaa | caatgaaaag | agaatcacg   | ctcagttggc  | tgctcatggc | 3148200 |
| actaatctgc  | ttgcccattg | tcgctcagat | gcaagatccg  | gtacggttca  | agaccgaatg | 3148260 |
| gaaaactctt  | tcggctaatt | aagctgaaat | tatctttact  | ggtacgatgg  | accagggttg | 3148320 |
| gcattgtatat | tctaccgacc | tgcaagaagg | aggtcctact  | tctgcaactt  | tcaacatcga | 3148380 |
| taaaatagaa  | ggtgccgaac | tggttggtaa | attgactcct  | atagggaagg  | aaatcaaaca | 3148440 |
| gatggatcct  | atctttgaaa | tggaagtga  | attcttcgaa  | agtacggcca  | aattctctca | 3148500 |
| gaaagttaaa  | ctgaccggcg | gcaattacct | gattaccggg  | tacctggaat  | atggcgcttg | 3148560 |
| caacgatcag  | aactgtctgc | cacctaccag | cgtagatttt  | tcttataaag  | gaacagttgc | 3148620 |
| cgcaactgct  | tctgctacac | cggctcctgc | taaggggtga  | gaagaagttg  | ccgccagcga | 3148680 |
| acctgccgaa  | acagcagatt | ctacggcagt | agcaacagct  | cctcagacat  | tgaaggaagc | 3148740 |
| aaccgattac  | tggaaccg   | ttatcaagga | actttccagc  | tacggagaca  | acgaagaaca | 3148800 |
| gcagtcacat  | tcctggattt | atatcttctt | cgccggaatg  | gtaggaggta  | tacttgcttt | 3148860 |
| gttcactcct  | tgtgtatggc | ccatcatccc | gatgacgggc  | agcttcttcc  | tgaacgtac  | 3148920 |
| caaggacaag  | aagaaaggca | ttcgcgacgc | atggacctac  | ggagcttcta  | tcgtagtcac | 3148980 |
| ctacgtggca  | ttaggacttg | ccattacgtt | gattttcggg  | gccagtgcac  | tgaacgcttt | 3149040 |
| gtcaaccaat  | gcaatcttca | acatcttctt | cttctctgat  | ctgggtgtct  | tcgccgcttc | 3149100 |
| tttcttcgga  | gcgttcgaaa | tcacctgcc  | gtctaagtgg  | agcaacgctg  | tcgacagcaa | 3149160 |
| ggcagaagca  | accaccgggc | tgctcagcat | cttctctcat  | gcattttacct | tgctactggg | 3149220 |
| atctttctct  | gtacaggtc  | ctatcatcgg | attcctgctg  | gtagaagttt  | ccaccacagg | 3149280 |
| tagcgtgggt  | gcaccggcta | tcggaatggt | gggcttcgcc  | attgccttgg  | ctctgccggt | 3149340 |
| caccctcttc  | gcatgttcc  | cgtcatgggt | gaaatccatg  | ccgaaatcgg  | gtgggtggat | 3149400 |
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| cgtattgctt  | gacaacgaag | gtatgccgct | gaaccaatca  | tattcttacg  | acgaagacat | 3150120 |
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| ttttacaaat  | caatatgac  | ccatgattta | tttcttatac  | tcttaaagaa  | ccttaacgaa | 3150300 |
| acgccctcca  | taccgattt  | atttgttatt | ttgcagcaaa  | ttagggaata  | aagtgaatat | 3150360 |
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| ctatatctcg  | catacggata | cgcgtaaggg | gctggcaaac  | cgcctgtacc  | attatgtgcg | 3150600 |
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| atggaaaggtt | tcggccattg | agaagagtcc | gcaggcccgg  | gcgttcgcac  | gggagcattt | 3150780 |
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| ggtgacgttg  | tggcacgtga | tggagcattt | gcaggatata  | aacggtacgt  | ggcagcggct | 3150900 |
| ttccgaaatc  | ttgagggata | agggaatatt | ggtcatcgca  | gtgccgaacc  | cagcttcatt | 3150960 |
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| gcatccgatg | ccgtttgacg | cattttatgt  | ttcgaatgctt | tcggaaaagt  | accggggaag  | 3151140 |
| ccatatgtct | ttcctgaaag | ggatgctcac  | gggaacagag  | gcgtgggttg  | cctcgctggt  | 3151200 |
| aaagaaggaa | cgaagtagtt | ccatgattta  | tgttttcaga  | aaaaaataag  | gctatgggca  | 3151260 |
| gaaaatcggg | atctttcttt | gatatgcagt  | tcgttacatc  | gagcatcagt  | acgatgctgg  | 3151320 |
| tggtgctcct | gctgggaata | gtggtattct  | tcgtgatggc  | tgctaacaac  | ctgtcgggat  | 3151380 |
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| ttctgaattt | ccaaaaacaa | ctaaacaagg  | agccttatgt  | gaagcagact  | acatatatct  | 3151500 |
| cgaaggctca | ggcgctgaag | gagcagacag  | aggcaatggg  | tacggaccca  | gcagagttta  | 3151560 |
| tcggacataa | cccgtttaca | gcgtctatcg  | aaattaaact  | gaatgcggat  | tatgctaatt  | 3151620 |
| cagacagtat | ctcgtggata | aaggatgaaa  | ttcagtcgaa  | caagcaggtg  | attgaaatca  | 3151680 |
| gttatccgca | ggatctgctg | gatgcagtga  | atagtaacat  | tcggaaaatc  | agcatcgttc  | 3151740 |
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| ggctgcatgc | ttttgctgac | ggcgggtgctg | ctggcggttt  | cgtattatgc  | gaagccgcgg  | 3152820 |
| cagaaggagc | gtatcagcat | gaaggatgcg  | tttatcatcg  | gagtggcgca  | ggcgtgtgcg  | 3152880 |
| gtgatgccgg | gactttcgcg | ctcgggtagt  | acgattgcta  | cgggactgat  | tctgggaaac  | 3152940 |
| aagaaggaaa | cgctggcgca | gttctcggtt  | ctgatggtga  | ttccgcctat  | cctgggagaa  | 3153000 |
| gcgctgctgg | acgggatgaa | aatcatgaag  | gatgcttcgg  | ctgcgggtgc  | caatgtgagc  | 3153060 |
| acggcatcgc | tggtcgtagg | gttcctagcg  | gctttcatct  | cgggatgtat  | cgcttgtaag  | 3153120 |
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| agagggagaa | gtgttatact | ttgacaagcc  | gctgcgatgg  | acttcgttcg  | cgcttgtaaa  | 3153300 |
| caaggtgaga | tatcatatca | gccgcaaact  | gggagtgaag  | aagattaagg  | tgggacacgc  | 3153360 |
| gggaacactc | gacccgctgg | ctaccggggt  | gatgattatt  | tgtacgggaa  | aggcgacgaa  | 3153420 |
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| gccggctttc | tcggcctgca | aggtggacgg  | gaaacgggcg  | tacgacctgg  | cccgaagggg  | 3153660 |
| aaacgaggtg | gaactgaagc | cgaaaacgct  | ggtgattgac  | gagattgaac  | tgctggaatg  | 3153720 |
| tgacttgccg | gtgataaaga | tccgggtggt  | gtgcagcaag  | ggtacgtata  | tccgtgcgct  | 3153780 |
| ggcacgcgac | atcggggagg | cgctgaacag  | tggggcgcac  | ctgatcgggc  | tgatgagaac  | 3153840 |
| ccgggtgggc | gacgtgaagc | tggaggactg  | tatgcagggtg | gatgacttcg  | aggcgtggct  | 3153900 |

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|            |            |             |             |            |             |         |
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| tgaatcgcg  | ctgatggtg  | ttcacaaggc  | taccggacag  | atagaacatg | tgatattcaa  | 3154080 |
| ggatatcttg | aactactttg | atgacaagga  | cgtattttatc | tttaatgata | ctaaggtttt  | 3154140 |
| tcctgcacgt | ttatatggta | ataaagaaaa  | gaccggagca  | cgcatcgagg | tgttcctgct  | 3154200 |
| gcgtgagctg | aacgaggagc | tgcgccctgtg | ggatgtattg  | gtggatccgg | ctcgtaagat  | 3154260 |
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| taatacgact | tcacgcggac | gtacgcttcg  | tttcttgtag  | gacggaccgc | acgatgaatt  | 3154380 |
| caagaaggcg | ctgtatgcgc | tgggtgaacc  | accgttgcc   | ccgtttatcc | atcgtccggc  | 3154440 |
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| ggttccggct | gcgggactgc | acttcagccg  | tgagctgatg  | aagcgtatgg | agattaaggg  | 3154560 |
| tatcgagttc | tcgtttatca | ccatgcactg  | tggaactggg  | ggattccggg | atattgatgt  | 3154620 |
| agaggacttg | acgaaacata | aaatggactc  | ggaacagatg  | ttcgtggaag | cggaggcttg  | 3154680 |
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| gaccaacaag | tttatcttcc | cgccttatga  | gttctcgctg  | gcggatgcaa | tggtcagcaa  | 3154860 |
| cttccacatg | ccgctgtcta | ccatgctgat  | gctggtttgc  | tcgtacggtg | gctatgagct  | 3154920 |
| gattatggat | gcgtacaaca | ttgccctgaa  | ggaaggatac  | cgcttcggta | cctacgggga  | 3154980 |
| tgcatggtg  | attctggata | aataagcgta  | ccgtcatggc  | gaaggtttat | ttgggcctgg  | 3155040 |
| gtacgaacat | ggcgacaag  | gaaatgaatt  | tacgtactgc  | cgttcaatgg | ataaatgaca  | 3155100 |
| ggatagggga | ggtgacttcc | ctatcttctt  | tttatgaaac  | ggctccgtgg | gggtttgttt  | 3155160 |
| cggacaacag | tttctgaat  | ggggcgggtg  | gcgtggaac   | agagctgatg | ccgctggagg  | 3155220 |
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| cgctggccga | aatagcgggg | gaagtgggtac | atccagtacg  | caaacagacc | atcggggaat  | 3155460 |
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| gacaggtggt | actggcagga | gaagtgaaaa  | cgaaagcgta  | tatcgacctc | cagcgtgtgg  | 3155880 |
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| cggacgagga | gatgctggcc | aagatccgca  | aggacgtgat  | cgaaatcttg | atgcctcgtg  | 3156360 |
| tgatctcgga | aattcataat | ccggacgttc  | tgaagttggt  | caacgaccag | atcaaataatc | 3156420 |
| atgtgaaccc | gacgggtaag | ttcgtaatcg  | gcggaccgca  | cggagatacg | ggtctgacgg  | 3156480 |
| gacgtaagat | tatcgtggat | acatacgggtg | gtgccgggtgc | tcacgggtgg | ggcgcggttct | 3156540 |
| cgggcaagga | tcctagcaag | gtggaccgta  | gcgcagcata  | tcgggctcgt | cacattgcca  | 3156600 |
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|            |             |             |            |             |            |         |
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| gacgtgaacc | gaaggtggta  | accaaact    | ttgaatcggc | atacgaaggc  | aacaaggatg | 3156900 |
| tagaggtaga | actcttcacc  | tgggaaaagc  | tggactatgt | ggacaagggtg | aaagaggctt | 3156960 |
| tcggattgaa | ataacgaatg  | atttaacgga  | aataacagaa | gatggggaat  | attccagcag | 3157020 |
| gtgtattcct | catttttttg  | tctttacttt  | cagatggaac | aatgaacgat  | atcaagaatg | 3157080 |
| tatgtgtata | cagtgcctcg  | agcactaaga  | tagaccagtc | ttactttgat  | gcgccaaca  | 3157140 |
| gactggggga | ggttcttgcc  | gaacggggta  | ttaacctgat | caacggggcg  | ggatgcctgg | 3157200 |
| gactgatgcg | tgcggtcagc  | gatgcggctc  | tgcgggcg   | aggcacgggtg | acgggggtaa | 3157260 |
| ttcctcattt | tatggtggaa  | cagggatggc  | atcacaaggg | actgacccgg  | ctgattgaaa | 3157320 |
| cggaaaccat | gcacgaacgg  | aaacagctca  | tggcgaatat | gtcggacgga  | atcatcgctc | 3157380 |
| tgccgggggg | atgcggcacg  | ctggaggagt  | tactggagat | tattacctgg  | aagcagctgg | 3157440 |
| gactgtatct | gaagccgatc  | gtgattctga  | acatcaacga | tttctatcgc  | ccgctactgg | 3157500 |
| agatgctgga | gcaagctatc  | gaacagaatt  | tcatgcgtcg | ggagcatggg  | gcgatctggc | 3157560 |
| acgtggcccg | gactcccgaa  | gaggccgtaa  | atttattgta | tgatacgccc  | gtatggagca | 3157620 |
| aagaaattcg | taaatttgcc  | gcaatatgag  | caacgtttgc | cgaataggga  | taaaatatat | 3157680 |
| ggctgaaaag | atggacgagc  | agcaacagca  | gctcgaccat | gccttggtta  | tgagcataca | 3157740 |
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| ggctgtgaca | agcatcgctc  | tggtttgctt  | tattttgttc | tcgtatgcgc  | tgaagcatgg | 3157860 |
| taagaagtat | gtggtgcagc  | ggatcaagtc  | gctcttcag  | tataaggaa   | ggacgagctt | 3157920 |
| gtttgatgag | gcttctgcct  | cgagcaaccg  | ctataccttt | acccttacgc  | tgatcacgac | 3157980 |
| tacgtggcg  | ggactgtata  | tctacgaata  | tatctccgaa | acaaatccga  | tactgataaa | 3158040 |
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| ggttttactc | attattttatt | ttaatcttgg  | gattcaaacc | agtaagacat  | taatcatatt | 3158280 |
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| atatgaaaaa  | cttattatcg | gacgaccgga | tgaaggcgta  | tgctgtctgc  | ctggatcatgt | 3162360 |
| ttctcttttc  | ttcactgtat | ctcttctatc | tgggatacaa  | actttatcaa  | tacggacatt  | 3162420 |
| aaaacgagggt | catcatggaa | tcaagacgct | attttcgtac  | catcgtactt  | tctgacattc  | 3162480 |
| atctgggtac  | ttcgcatctg | aaggtggaac | aggtatgcaa  | ctttctcagt  | acaaccgact  | 3162540 |

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|             |             |            |             |            |             |         |
|-------------|-------------|------------|-------------|------------|-------------|---------|
| gtgaccggct  | gattttgaac  | ggggatatca | tagacggatg  | gagcttgacg | aaattcggct  | 3162600 |
| ccggaataatg | gaagcctcag  | cacactcgct | tcttcaaaat  | cattatgaag | atgatggaga  | 3162660 |
| actgcggcac  | agaggtgatt  | tatataaggg | gaaatcacga  | tgattttatc | gataacctgg  | 3162720 |
| ctccgctgaa  | gtttgcgaca  | ctgagtatcg | tgaaggagta  | tatgctggaa | agcaacggca  | 3162780 |
| agcattatatt | cgtaacgcac  | ggggatgtgt | tcgacaaggt  | gactacgcag | atgaaatggc  | 3162840 |
| tcgccaaact  | gggggatatc  | ggttatacgc | tgctgctctg  | gctgaacagt | cagtacaacc  | 3162900 |
| gctggcgcat  | caagcagggc  | aagccttact | attcgctttc  | tcaggagatc | aagcagaaaag | 3162960 |
| tgaaatcggc  | tgtttcgtat  | atctccgact | tcgaaaaggt  | gctggctgag | ttcgcccgcga | 3163020 |
| aacggcagtg  | cgacggagtg  | atatgcggac | atatccatca  | tccggagaac | aagatgatag  | 3163080 |
| ggggaatcca  | ttacttgaac  | tctggtgact | gggtggaaac  | gctctcggca | ctgacggagg  | 3163140 |
| atgagaacgg  | aaactggaac  | attctgtatt | atactcctga  | tatggcggac | gaaaacggag  | 3163200 |
| aaatggaaga  | taacaatagg  | gtattaacac | ttattcctgc  | tgcatcatga | aagtttttatt | 3163260 |
| tattgtgcaa  | ggagagggca  | gaggtcatct | gactcaggct  | atcgccatgg | aaaggttgct  | 3163320 |
| gaccagacac  | gggtatcacg  | taacggaggt | actggtggga  | aagagtttgt | cgaaacgggtt | 3163380 |
| gccgggggttc | tttaccgcta  | acatacaggc | tcccatcaaa  | cagttctcca | gtccgaatttt | 3163440 |
| tctgccgaca  | cgctcgaaca  | aacgtgccaa | cattccctac  | agtctgctgt | ataacttgct  | 3163500 |
| gaagctgccg  | gaatatgccg  | aaagcatgcg | ttttatccga  | cagcgtatca | aggaaaagtca | 3163560 |
| ggcggatatac | gtcatcaact  | tttatgagct | gctgacgggg  | cttacgtatt | tcttcttccg  | 3163620 |
| tccggctgtg  | ccgctgggtg  | gcatcggaca | tcaataacctg | ttcctgcata | acgattttcca | 3163680 |
| attgcccga   | tccatcaaca  | agggggaatt | gtttctgctg  | aatctgttca | gccggatgac  | 3163740 |
| ttcgtgggg   | gcatcgaaac  | gcctggctct | gtcgttccgc  | tcgatgaacc | cggacaagaa  | 3163800 |
| gcaaaaagata | tttgccgttc  | caccgttgct | gcgacaggat  | attttctatc | aggaggtttc  | 3163860 |
| tcagcataaac | tatatccacg  | gctacatggt | caactcggga  | tttgagaaaa | atgtatacga  | 3163920 |
| atggcatcag  | aagtgtccgg  | atgtaccgct | ccgcttcttc  | tgggaccgat | gggacgagga  | 3163980 |
| gcctgtaaag  | cggatagatg  | acacgctgtc | gttctatcag  | ctggacgata | cgctcttccct | 3164040 |
| gcggcagatg  | gcgggatgca  | aggcgtatgc | cagtacggcc  | ggatttgaat | cgatctgcga  | 3164100 |
| ggcgtatgat  | ttcagaaaagc | ctatcctgat | ggtaccggct  | cacatcgagc | aggaaatgcaa | 3164160 |
| tgcttacgat  | gccatgcaga  | acggagcggg | aatagtggac  | gagaacttca | atctggaacg  | 3164220 |
| gctgctggat  | tttacaataaa | catatcagcc | gaacgctaaa  | tttacctact | gggtgcaatc  | 3164280 |
| ggccgaaagt  | atcattctga  | atgaactgga | aagcctcgtt  | ccaacccatt | ttgaagaaca  | 3164340 |
| aatgtacatg  | gtagaagaat  | ttatataaaa | agacaaaaaa  | atcttttctt | ttgtcataca  | 3164400 |
| cttgtaacat  | ttatgtattt  | cctttacaaa | aaatatgttt  | ttgtatggca | cagaagaaaaa | 3164460 |
| aagaacttcc  | ttatttggaa  | agagatatca | gttgatgta   | ctttaaccgc | cgtattttgc  | 3164520 |
| aggaagcggc  | gcgtccgcat  | gtacccttac | tggagcggat  | gtcattcctg | ggaattttact | 3164580 |
| cgaacaacct  | ggatgagttt  | ttccgggtcc | gcatagctac  | acagaaccgt | atcgccgaat  | 3164640 |
| gctcggataa  | atcgacagct  | aaagaaagcg | atcatgccaa  | aaaactgatc | aagcaaatca  | 3164700 |
| gcaagctgaa  | cacggaatat  | accaaggat  | tcgagcagac  | tatccaccag | actaccgagg  | 3164760 |
| acttgaagaa  | agaaaatatc  | ttcctcattt | cggataacga  | ggtttctccc | gaacagctgg  | 3164820 |
| agtttatccg  | ttcgtattat  | caggagaagc | tgagcggttc  | gattattcct | atctggtttt  | 3164880 |
| ctgccatccg  | gtatttcgac  | ttcgagaacg | atgagaacat  | ttacctggct | gtaaaggcca  | 3164940 |
| gccgacagca  | gggaagcaaa  | cagattgccg | actatgcgtt  | tctggaattg | ccggtcaaca  | 3165000 |
| tctgcggacg  | ctttatccgc  | ctgccggaca | acgaagaaaa  | gagttacctg | atttacctgg  | 3165060 |
| atgatgtgat  | ccgctgctgc  | ctgccactgg | tgttcgaggg  | actgggcttc | acggatttttc | 3165120 |
| aggcgtatgc  | cttcaagttt  | acccgcgacg | cggaaatgga  | aatagacaat | gacttgcgta  | 3165180 |
| cgggtacttt  | gcagaaaatc  | tcgaagggtg | tgaagagccg  | tcgccgtgga | gaaccgctgc  | 3165240 |
| gtgtgattta  | tgactcgtgc  | atgccgaaag | atatgctgag  | acgggtactg | aagaagatgg  | 3165300 |
| atctggatgc  | cctggatacg  | gtgatagcca | gcggacgcta  | ccagaaccac | aaggattttca | 3165360 |
| tgaaattccc  | cgattgcgga  | cgaagcaacc | tgaagtatcc  | gcaatggccg | tcgattctga  | 3165420 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| agaaagaact  | ggacggcgaa | gacagcctgc | tggaagaagat | tcagaagaaa  | gaccgggttta | 3165480 |
| tccatgtacc  | tttccataac | tttgattcgt | ttatcagggg  | acttcaagaa  | gctgctgtaa  | 3165540 |
| acaagcaggt  | acagagcatc | aagattacgc | tgtaccgact  | ggcgaaggaa  | tcgaaggtgg  | 3165600 |
| tcaaggcact  | gatggcggcc | gcacgcaacg | ggaaaaaggt  | tacgggtggc  | attgagctgc  | 3165660 |
| tggcccgggt  | tgatgaggct | tcgaacatca | actggtcgaa  | gaagatgcag  | gatgcgggag  | 3165720 |
| taaacgtaat  | ctttggcgtg | gaaggcttga | aggtacattc  | taaaattacg  | cacatcaaga  | 3165780 |
| tgaaaaaggg  | accggatatt | gcctgcatca | gtacgggtaa  | cttcacgaa   | gggaatgcac  | 3165840 |
| gtatgtatac  | cgactgtatg | ctgatgacgg | cggctccgcg  | tatcgtgaag  | gatgtacatc  | 3165900 |
| aggatttcga  | ctttatcgag | cgtccgtaca | gtccgggtgaa | attcaaggaa  | ctgcttgttt  | 3165960 |
| cgccgaacga  | gatgagaaac | aagttcgtca | acctgatcaa  | taatgaaatc  | aagaacaaga  | 3166020 |
| aggccggaaa  | agatgcctac | atcaagataa | agatcaatca  | tatcaccgac  | ccgctgatgg  | 3166080 |
| tgaacaagct  | gtatgaggct | tcgcaggcag | gggtagacat  | ccaactggtg  | gtacgaggca  | 3166140 |
| actgttccct  | cattaccggc | atagagggcg | taagcgacca  | tatccacatc  | aacggtatca  | 3166200 |
| tcgaccgtta  | tctggagcat | tcacgtatct | ttatctttgc  | tgcgggaggc  | gaagagaagg  | 3166260 |
| tgttcacggt  | ctcggccgac | tggatgccgc | gcaacctgaa  | caaccgtata  | gaagtcatta  | 3166320 |
| ctccgggtata | cgacccggcc | atcaaggaag | aaatgaaact  | gattgtggaa  | tatgggttca  | 3166380 |
| aggataccct  | gcagggacgt | atcgtagacg | gaagcggcca  | gaacctcttc  | aaggaaacag  | 3166440 |
| aaggagagaa  | gcctttccgc | tcgcaggaag | cattatacta  | tcactacata  | gaagaaaata  | 3166500 |
| tataatatga  | acgaaagcga | aactcgaaaa | acaaactatg  | ctgccatcga  | catcggatcg  | 3166560 |
| aatgcagtac  | gtttactgat | aaaggaaatt | gaggagaagc  | aaggcgaaac  | tcattttctct | 3166620 |
| aagggtactga | tgctacgtgt | cccgtccggt | ctgggattcg  | acgtgttcaa  | catcggaaaa  | 3166680 |
| atttcggaaa  | agaaagaaaa | gaacatgatt | cgtctgatga  | agtctttccg  | ttatctgatg  | 3166740 |
| aaaatctatg  | atgtgaaaca | ttgccgtgcc | tgtgcgacat  | cggcgatgcg  | cgacgctaag  | 3166800 |
| aatggcctgg  | aaatcatcaa | gcaaatcgaa | aagaaaacag  | atgtgcacat  | cgatatcatc  | 3166860 |
| gacggacagg  | aggaggccaa | gattatctac | aacaatcacg  | tggagcacat  | ggaagaccag  | 3166920 |
| aagggttaact | acatgtatgt | cgacgtggga | ggtggcagca  | cggaaatcaa  | cttggtgtcg  | 3166980 |
| caagggcaac  | tgggtgtcag | ccgttcgtac | aacatcggtg  | cgggtgcgtat | cttgaacaat  | 3167040 |
| gcggtaaagg  | acagtgaatg | ggaacgcctg | aaaacggatc  | tggctgagct  | ggccaaatcg  | 3167100 |
| tatccgggaa  | cgaatatcat | cggttcggga | ggtaacatca  | acaagctgta  | ccgccttggtg | 3167160 |
| gaaaaagaaga | acaaaaagaa | aatgacaatg | ctcgttttcta | cgttgcagga  | actgcatacc  | 3167220 |
| cgactgaaag  | cgctctcggt | agaagaacgt | atggaacagt  | tcggcctgaa  | gcctgaccgt  | 3167280 |
| gccgacgtaa  | ttgttccggc | aggtgatatc | ttcctcacca  | tcgccgaaat  | tatcggagct  | 3167340 |
| acgtacattc  | atgtaccggt | tatcggtttg | tccgacggta  | tcacgcagca  | gctgtatatg  | 3167400 |
| cagaataaaa  | acaactgatg | ccgcaaggca | ttccatcata  | aaaaaatgtg  | gcactgaatt  | 3167460 |
| tcgtttcgggt | gccacattct | tttttggttg | aacaattgat  | ttattttattg | tcaatctctt  | 3167520 |
| tcagcaattc  | atcgacagct | gccttcaact | gcgtatcttc  | acctttcaca  | atggtttcag  | 3167580 |
| gagcattcag  | cacgtagata | tcaggatcga | gctgagtatt  | ctccaggtaa  | ctgccgtcgg  | 3167640 |
| gcaaacgata  | accactaca  | ggaataccga | ataccagtgt  | cgggtcttgc  | attcttacc   | 3167700 |
| agttcacact  | ggtcatgggt | cccggtagac | gagcacctac  | cagcttgccc  | aggttacaat  | 3167760 |
| gcttgatatac | ccacggcgta | ccgtgtgcat | tcgagtagtt  | cgcttcacac  | tgcaacatga  | 3167820 |
| tggaaggctt  | gttccagcga | cggcttggca | tatcgcatgc  | ttcacgtccg  | cgaatcacct  | 3167880 |
| gtgtaaagta  | tttctttccg | ctgaacaata | cttctatatc  | ttcgtgcaga  | cggccacctc  | 3167940 |
| cgttgaaacg  | ggtatcgatg | acgatacctt | cgcagttatt  | gtattttacc  | aagatatcgg  | 3168000 |
| aatagatgggt | acggaagctt | tcgtcgtcca | tcgcttcgat  | atgcacatat  | cccagacggc  | 3168060 |
| cgttcgacca  | tttcgctaca | tcggcagcac | gctgttttac  | ccagcgctgg  | tacaacaaat  | 3168120 |
| aactaaacgt  | tcctccgctg | accggacgta | ccacttcgtc  | ccagtgttcc  | ttggtctgcg  | 3168180 |
| gatcgtacag  | cgataccagt | actttcttgc | ctgtcttggc  | gttcagcagc  | gcagcataat  | 3168240 |
| cttcacacgc  | cttgatcgct | tcgccgtcga | tcttttcaat  | aatagttccg  | actttgacac  | 3168300 |



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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| gggtagtctt | acggtcgaac  | ggacctttct  | ctaccacctc  | ggcaatacgc  | aagccgtcgc  | 3168360 |
| ccgtataatc | ccagtcgtac  | aatacgccca  | gctcggcagt  | cgactctgtt  | ttcagatccg  | 3168420 |
| gatagaaacg | tccgccggta  | tgagaaacat  | tcagttcacc  | cagcagttca  | ctcagcatct  | 3168480 |
| cggcataatc | gtagttattg  | ttgatatgcg  | gcaggaactt  | ccggtaagta  | gcagtcattg  | 3168540 |
| catcccagtc | tactccgtgc  | atcttttcat  | tatagaaacg  | agccttttcc  | tcacgggtaca | 3168600 |
| tattatcgaa | catgtattca  | cgttcttcgg  | aaggcaacag  | tttcatgctg  | gcagtataag  | 3168660 |
| tgatcggctt | caggctttcc  | gacgaagcat  | ccattttctg  | catggtacct  | ccgcccagaa  | 3168720 |
| taaagaagtt | cttaccctct  | ttatccattt  | ccatattcgc  | ccattttgca  | tccatcttat  | 3168780 |
| gcaacagctt | ggtgtcgtgt  | ttgcggagat  | ccatcttcca  | caaatcgtat  | ccaccttcga  | 3168840 |
| aagccgacag | gtaatacagt  | ttctcaccgt  | ctttcgagat  | aatggccgaa  | gctaagtcag  | 3168900 |
| aagaattcgg | agtcagacgg  | atgatacggg  | cttcgattcc  | ttccgtttct  | accacaatat  | 3168960 |
| ccttcacctt | cttttcgtcc  | ttggcatcct  | tatcgctccg  | ttttttgtct  | ttcttggaag  | 3169020 |
| ccttatcatc | tttcttagca  | gctttttcct  | gctccttttc  | cagttccttc  | tgcaattcgt  | 3169080 |
| aatcctcctt | gctcaggcgg  | aacttatcgt  | atgcatacctg | attgaggaaa  | gcaatcatca  | 3169140 |
| catcgttcag | cgaaccccat  | gaagcatgat  | tacgcatacc  | gtaacgctcg  | gtaatgaaca  | 3169200 |
| agatggcatt | tccatccatc  | accagcgcg   | gagagtcact  | gatataacca  | ctgttcgtca  | 3169260 |
| ggttaataat | ctgtcccttt  | ccgtcggcac  | tgaccaaacc  | tatatccgaa  | tacggatcgt  | 3169320 |
| gcttgttgcc | gataaacaca  | agcgtaaacc  | acttgccgtc  | gggcgaccag  | gagtaatcaa  | 3169380 |
| atcctcccg  | gcgcgtatac  | caggtagaac  | catccgttac  | ctgacgaatc  | tgcttggtag  | 3169440 |
| ccagattgac | caccatcaga  | cggttgcggg  | cttcgatgaa  | agccacttcc  | tttccatcgg  | 3169500 |
| gagaaaactg | cggataatca  | cgttccaacg  | ttttagaagg  | taccaatggg  | tcctcttcta  | 3169560 |
| tcagagtagc | attcgggaag  | ttcagggtctt | ccttcgggct  | gatttttgga  | atatacaaat  | 3169620 |
| cgcgcttgcc | ccctctctca  | ctagaataaa  | ccagagaacg  | gttgctcggca | ccaaatgaaa  | 3169680 |
| tgccccgttc | tgcttcagga  | gtatgtgtaa  | tctgtttggg  | tgttccatac  | tctacagaag  | 3169740 |
| tcacgaacac | ttctccacgt  | acgataaagg  | caacctgctt  | gccatcggga  | gaaacgacag  | 3169800 |
| cctccgaagc | tcctcgtgta  | aaggtatagg  | aaacagggag  | ttcctcatca  | tcgcgtacca  | 3169860 |
| gcgagatagc | tactttctgt  | ggcttaccac  | caaccgactg  | cgtataaatc  | tcgccatcgt  | 3169920 |
| aggtataaca | gagcgtaccg  | tcggctccca  | tcgaaaggaa  | tctgaccgga  | ttcgtcttga  | 3169980 |
| atgacgtaac | cggctgtaca  | ttcttcggat  | catcgatcgg  | aaaagaatag  | acattgaatg  | 3170040 |
| agccaccggt | gcgttcgctc  | aggaagtaaa  | cctgcttgcc  | gtcgggggctt | acgatcgggt  | 3170100 |
| tacgggtctt | gcccgggtctg | gccgtcagat  | tggtatgttt  | tcccgtcttt  | acatcgtatc  | 3170160 |
| tccatacatc | gcgggtaatg  | gacgaagtgt  | gatgcttacg  | ccactcgttt  | tccaccctt   | 3170220 |
| tctgatcctg | atacaggaag  | aaatcaccgg  | acggagcata  | gctgatcatc  | tcagccggcg  | 3170280 |
| ttcctaacat | ctgctgtgta  | cgtccgccgt  | ctaccggtag  | cttataaacc  | tcggtcattg  | 3170340 |
| ccaatttagg | gaaaagtgcg  | ctcgaagctg  | gatcctgaat  | ggaagcagag  | aaaacaacat  | 3170400 |
| atttcccatc | aggagtaaag  | gctgaaggaa  | tttccgaagc  | agagtgaagta | gtcagacgct  | 3170460 |
| tggccgcacc | tccttcggga  | ggcattacaa  | ataaatcgaa  | attaccaaaag | cgatcgtctg  | 3170520 |
| caaaagcaat | ctgcttaccg  | tcgggcgacc  | ataccggatt  | cgattcatac  | gactcctgag  | 3170580 |
| tagtcagccg | tacagcttcc  | cctcccgaag  | tcttcacttt  | ataaatatcc  | cccttgtaac  | 3170640 |
| aaaaggcaat | ctctttacca  | tcgggagaaa  | tagtcacatc  | acgcaaccag  | agcgggtgtca | 3170700 |
| ccgcaaaggc | tgagaaagaa  | cttgctccca  | aagcaagcgt  | tactaacaat  | ttcttcatga  | 3170760 |
| atctatat   | ttggtttccg  | caaagatagc  | gattaaagca  | tgaagagaaa  | aaaaagtga   | 3170820 |
| aaattat    | gattatattg  | acgaaaacat  | ttatctttgc  | aacgttttcc  | gaggaaaaca  | 3170880 |
| aataaag    | ggactatggt  | gtaatggcag  | cacaacagg   | tttggttctg  | tttgtccaag  | 3170940 |
| ttcgaat    | ggtagtccaa  | cggaaactct  | acagaaaagc  | cctgaaagat  | aactctttcg  | 3171000 |
| gggcttttt  | tatgataaaa  | actaaagggt  | aaacattcca  | atcggaatat  | atacccttct  | 3171060 |
| ataaaaaat  | cacaatcaat  | tttattatta  | tttcttttca  | aacaatagtt  | cgttaaaaat  | 3171120 |
| tagcccagcc | taagcggctc  | tggcagtaaa  | taaaatgagt  | tctttgaaaa  | gtttgtcaat  | 3171180 |

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|            |             |            |             |             |             |         |
|------------|-------------|------------|-------------|-------------|-------------|---------|
| taattgcgtg | tttggttcaa  | tcccagacac | gcaaataaat  | cgttcaagca  | tgtaagcatt  | 3171240 |
| gtgtatgact | gacttgcatt  | atgatatgga | atattttatt  | cccatcttct  | tacaggcagc  | 3171300 |
| cttggcgagg | tttatcgctg  | caagtgatgc | attaaagtgg  | aatgccagtt  | tcctgaagtc  | 3171360 |
| tgtagactga | cagtttgcta  | ttccggcatg | ttgcttggca  | tcccgaagc   | agaattcgag  | 3171420 |
| ttggaaacgt | gttctgtaaa  | agtccaggac | atcctgtgcg  | ttctgtattt  | cgttttaga   | 3171480 |
| gaaatacagc | tgccatttgt  | ccgttcttcc | atccatgggg  | taccatacag  | ccaggctcac  | 3171540 |
| aaagcgtttg | agtgccttgg  | agtatgcttt | cagtcgtaaa  | agtttaccct  | tgttcacttt  | 3171600 |
| gtactcggta | catcttgtga  | tgtccagatt | ttcaaagtca  | atcttctcgt  | catgtaattt  | 3171660 |
| tggaacgtcc | cgttttcctg  | tcctattttc | taaggtggga  | taaaacaata  | cggcatcatt  | 3171720 |
| cctgaaacgg | cttattacgt  | ggaaaccgtt | atcgtacaat  | ggtttgatga  | aagttgcctt  | 3171780 |
| tgaaaagaac | gcatacacaca | cgactgtgcc | agaaatacgt  | ttcagctgtt  | cctgtatgct  | 3171840 |
| gataaggtaa | gagctgtacc  | agtcaacaag | attcttctca  | cagctttcca  | gcgttgcgtt  | 3171900 |
| gtcagggtgc | tgtacagagc  | ccaaagtcac | acattcatgg  | ttgtcaacgt  | ctataactcc  | 3171960 |
| aataaccggt | atttccagtc  | cacgtttgta | ttcaccggca  | caaccggacc  | agaaatagcc  | 3172020 |
| aatccacggc | gttttgcgtc  | ctgattttgg | aatgaaagac  | ggatcaacgg  | ctatgcctt   | 3172080 |
| gcgaccacct | ttaaggtgtt  | ccctgatgat | ggcttcattg  | aaggaaaacc  | agtcaaagcc  | 3172140 |
| gtcgttctca | aaattgttgc  | ggtatgtctg | ttccgagaaa  | catccatacc  | gtcccatttg  | 3172200 |
| taggaaattg | atgcggtcag  | gtatagccat | gaataatttc  | attgcatcca  | tgaatacttt  | 3172260 |
| ctgaaaagat | ttgcttatat  | ttacagctga | ttcgagagcg  | tttctgact   | cggattggta  | 3172320 |
| ttgcataagg | agtgattctt  | tagtcataat | taaaagtggg  | gaagtacttc  | taatttacta  | 3172380 |
| aaaatcagtg | aattatgaaa  | tactttttct | gttgattttc  | agctgtttag  | catatctttt  | 3172440 |
| tcatcccttt | tcttactcct  | tgacgattta | ttcttgacag  | tatttcaatg  | atctcttgaa  | 3172500 |
| tataattttg | aaccggatta  | tgccgattct | atgttttaatt | ttaatttatc  | ggtaaaaaatt | 3172560 |
| taccgaagta | ttgttcaaaa  | gaacttacat | tcaatcagaa  | taattcttga  | ggaagctttc  | 3172620 |
| catccacaaa | tttataatct  | acaccaaca  | aatgcataac  | ataaggagct  | atgtctatct  | 3172680 |
| gtttcatagt | ctgcaactct  | tttcttttat | ctggaacatt  | acagccatat  | accatgaaac  | 3172740 |
| aggtcggatc | aatccctgag  | aaataacat  | gagaaccacc  | tttctttaca  | agaacatcgg  | 3172800 |
| cgcccgtacg | gtttgtagag  | acactgattc | cagcaatcgg  | ctctaattgct | aaagccactt  | 3172860 |
| taggatctcc | ccccatagct  | gtcaattctt | cttgagatac  | aaccgaaaac  | aaacgacgtg  | 3172920 |
| tttcgacggg | aagattttgt  | ataatgcgtt | caaccttttg  | aagagtttct  | ttatcattag  | 3172980 |
| agtcacgaag | gtataaaaac  | atcaccgaac | catttccatg  | gaagcaagct  | ttccagtcgc  | 3173040 |
| ctcctggctt | ttcacttaac  | aatccgcac  | gagtaagcca  | gacattcgga  | gcaatagcct  | 3173100 |
| gacttatatc | agaaaaacca  | tgatcaccac | acacaataac  | tggtgtacta  | tccatccgat  | 3173160 |
| gggtctgttt | caaattttct  | acaattaaac | cgattgcatg  | gtccacactc  | gcaacagcca  | 3173220 |
| tccgagtgcg | ttccgattgc  | atacctgtag | catgctgggc  | ataatctgtc  | gtaattaaat  | 3173280 |
| gaattgtcat | cagattagga  | tgatatttat | tcatgatata  | attagccata  | tatgctgtac  | 3173340 |
| gggcatcacg | gttaatggat  | ccagctccaa | aagtcaaatt  | gtctaaccgt  | ccaactgcat  | 3173400 |
| tttgttcaag | ttcatccaat  | atacctgacg | gagtacaaac  | aggcttaata  | aaatccaact  | 3173460 |
| ggttggctac | acgtttcact  | gaccaatatt | ccggaatgtt  | ataatcaatc  | caacgtgatt  | 3173520 |
| tagtcgatac | aggccaaaac  | aaagaagctg | tagtcaatcc  | agattcctta  | gcagcctgcc  | 3173580 |
| agatagtggg | agcctttata  | ctatccgcat | accaatagct  | taccacagaa  | tctttattga  | 3173640 |
| agacaaacgg | agaattataa  | aagatacgtg | gatgaacagg  | aagggtccc   | gtcacaatac  | 3173700 |
| tagtatgtga | cggataagta  | gctgtaggag | gtactccctt  | taccttatcc  | acaaaaagac  | 3173760 |
| cttcacgttt | catcattttt  | aaataaggag | aaggcatttc  | cggatcagtt  | accatccctg  | 3173820 |
| catgcattcc | gtcaatcgtt  | atcagtatga | catatttcga  | attatcagca  | acagcatccg  | 3173880 |
| acagccatcc | caaacagaat  | agaatgacag | caaacaatct  | atagttcaat  | cgattaatta  | 3173940 |
| aagaacggca | caacatattc  | agatgattta | ttttcaacaa  | ttatcttatt  | catattataa  | 3174000 |
| cggatggtta | cctttttagt  | cgtttcatcc | attgtaaagt  | catccatacc  | ctgattcaat  | 3174060 |

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| tcaacctcac  | aaacaggtaa | tttaatacct | aaatcggcca | ctcttcttcc | ctcagcaaag  | 3174180 |
| aagatttcct  | gacgcattaa | atataataac | tctaaggttt | catctactcc | actggtttta  | 3174240 |
| ttgatcatct  | cttcagaaac | agatgttcca | gaaatatacg | gaacgctgat | taaagttagga | 3174300 |
| gcctgacggt  | ctaaaaccaa | tccgctacga | tattcttcac | cttcagaagc | cgccacaaca  | 3174360 |
| tattccgaac  | tggtgggata | atgtttatac | ccccatttaa | atcttccctc | cagctgatca  | 3174420 |
| ttcaaactctg | tttgaatagg | acgagattta | accaaagtaa | gcaattgctt | catataacct  | 3174480 |
| ttagctccat  | caatatcggt | atcgataaaa | gctgcttctg | ccaaaataag | gtaatcttct  | 3174540 |
| tcagcctttc  | ctatattaat | aggacgttct | tccgtactgg | ttagcttaaa | atacttagga  | 3174600 |
| tccaagaaat  | ccaatctcgg | taacggctgg | aaccagggtc | cccatgtagc | agtctgaatg  | 3174660 |
| gaattcagta  | cgtcgtttac | cccatcaaac | tgtacttggt | tcacaaaatc | accagaaaag  | 3174720 |
| gacaaggctg  | tttgagattc | attcacagca | ttttgtttat | cgcccaagcg | ataataaaca  | 3174780 |
| cgtgctttca  | aggtatggat | aaaagctttg | tcttcatctg | tttctacata | ctccaaagcc  | 3174840 |
| ttgtctaaaa  | cctcaacagc | cgttttcagt | tgctcatccc | atgtcttgac | atccccctcca | 3174900 |
| tcggtatcgg  | gtaaggcacg | aaaatattca | cccgaagaa  | tatatgcata | agccttaatg  | 3174960 |
| tagtacagat  | taaacaaatc | gcttttcgtt | gttttggcat | caacagggtg | cacgacattg  | 3175020 |
| atgccataat  | ctgcgactc  | acgcatggta | cctatatacc | gctgaagatt | tgtaacatca  | 3175080 |
| aggctctgtat | acagaatctt | cggtatatcg | aataccttac | tactctggga | ataattattg  | 3175140 |
| aaatagttat  | ccgacataat | ttccatcagt | tcacaataag | aacctatcga | ctcagcaaaa  | 3175200 |
| gaactattcg  | ctccatttac | ccaagcctgc | atggcatttg | ccgaatttaa | aaacgtattt  | 3175260 |
| tcacgcacat  | tcggattgat | aatatcatca | ggctgcaata | actcacaaga | attaagtgtg  | 3175320 |
| aaacacggtg  | caactgacaa | aaatatataa | ttgattgctt | tcatatgcct | tttattattt  | 3175380 |
| agaaaattaac | tttaactgat | cctatatatt | gacgaggagt | agaataggaa | gaatagttca  | 3175440 |
| atcctccggt  | agctacggct | ccttgagaac | gagcacccga | caacaatgct | tcaggatcga  | 3175500 |
| cagaagctgc  | cgtaaaagag | aatggattat | atacattgaa | accaaacag  | atcttccttca | 3175560 |
| gatacctctt  | cggcttaatt | gtataataag | ctccaatggt | tctaattctt | aaataatcag  | 3175620 |
| ctttttcaac  | aaagaagttt | gtaaaattca | accatgcagc | accttgtgtt | gttccttcaa  | 3175680 |
| gtgctttatc  | tggtatacta | ggatccttta | aaccttttgc | gaaacgaaac | tggcggtcga  | 3175740 |
| aagaatgtac  | gtacgacctt | gcctgataat | caccacttac | aaagaatgaa | agatttttat  | 3175800 |
| aatcgacatt  | caatgagaaa | tttccatata | gagtaggtat | cgttgttcct | aaatcttgta  | 3175860 |
| attccaaaac  | ttctttcagt | gaaccgtctt | catttaaaac | agcctttgaa | ccacgaataa  | 3175920 |
| aaccgacagg  | ctttccttct | tccactacgg | tctgtaccgt | acgtgaagag | aatccaccga  | 3175980 |
| ttgcaaaagg  | aactgttcca | cccgtactca | aaacgacatt | gtgatttgta | ttagccgacg  | 3176040 |
| cattcagacg  | cacattccaa | tctttcgtat | tgaccagttg | catacctacc | gtcaactcaa  | 3176100 |
| tacctttatt  | ttcaatttca | cccacatttg | ccagatagct | tgcagactgt | ccggaagaag  | 3176160 |
| gcagcgaagg  | aacactaaag | agtgcattct | tggtacgagc | ataataataa | gttaatccaa  | 3176220 |
| cattcaaaaa  | atgattaaac | aatacagtat | taaagcctac | ttcgtacgaa | tgtttctttt  | 3176280 |
| ccggtcccaa  | atccggatta | ccatatttac | caaacgaagc | tgcctgctga | cctaaaaacg  | 3176340 |
| aatttacagc  | aattgttttc | tgatactcaa | aagcagggtg | ataactacc  | gcaataccat  | 3176400 |
| aattagcaaa  | tagtctgaag | gaattcagca | taccactggt | tacaatggat | ttcataaacg  | 3176460 |
| cttcatccga  | caactgataa | gataatccaa | ttttaggata | atattgccaa | cctacattat  | 3176520 |
| caccgaatgc  | agtattatag | tctgcacgca | aacctaagtc | caaataatat | ttatctttga  | 3176580 |
| taccaatggt  | ctcttgatca | aatacaccat | agttatataa | ataactcaac | cattcatcgg  | 3176640 |
| cactctgtgt  | accagctcct | gtcattatca | gcgcaccatc | cctaacattc | gttccattgt  | 3176700 |
| atacagactg  | atgatcataa | gtgctgaaat | actggaaacc | agcagttgta | accagactca  | 3176760 |
| gaatatcacg  | gaaatgataa | ttatattgtc | cgttcaattc | aatggtaagc | cctaaatagt  | 3176820 |
| tacggtcgaa  | gttattgata | ctacctgcat | ccgaagttcc | ttctggcttt | tgctgagtat  | 3176880 |
| gaatcaaaata | ctcgtttgtc | gtaatatctt | tattcgtatt | caaacgatag | tccaatccaa  | 3176940 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| aagttccttt  | aaatataaga | ttttgaagag  | gtttaaatga  | aagtgactgt  | gatgtctgaa  | 3177000 |
| aacgacgcac  | agattcctta | ttattctgca  | aagcttcagc  | tttatcgaca  | aaagccttca  | 3177060 |
| tctgggcaaa  | ttcataatcg | cttgacgcat  | caatatccgg  | attgtaacta  | acggatatttc | 3177120 |
| cgctttcatc  | tacataatca | aaattagcag  | cagcagaacc  | ttccgtaaac  | cacaatcccc  | 3177180 |
| tatatcctcc  | ctgattacca | ttacggctac  | ggcgaagtc   | ttccactacc  | ataccaaatg  | 3177240 |
| agttctgata  | ctctaacgct | ttattaatth  | tcagacgaga  | accgaaacgc  | aaatcgtact  | 3177300 |
| tcttatcttc  | attcccgtta | tgtatcaaag  | ttccgggtact | gttgctcatg  | ctcgcgccta  | 3177360 |
| agctataacc  | atatttttca | tttccacat   | cgaagctac   | acgatatttc  | tgtgagaaac  | 3177420 |
| cagtctgatg  | caacaattct | ttcgtacgct  | taaaatgata  | aaactgagaa  | gatgcaacat  | 3177480 |
| ctgctcccaa  | ctcagcctct | acagaagcat  | taaaacgtcc  | ttcacctcct  | tttttagtga  | 3177540 |
| atatctgtat  | cactccgttt | gctgcatccg  | aaccgtataa  | tgtagtagca  | gcacctccgg  | 3177600 |
| tcacatatcc  | tatacgttct | atattttcca  | ttggaatatt  | tccaatagaa  | cctgtagcag  | 3177660 |
| cagcatthcc  | actcaaagaa | ttatttaatt  | tcgctcctgt  | attcatgtta  | tccacacgta  | 3177720 |
| ctccatcaac  | ataaataaca | ggagtagaat  | ttgaaaaagc  | agaagaaaga  | ccacgagcct  | 3177780 |
| taattaaaga  | agtcgtaccc | ggttggtccat | tcgacaaatt  | aatctgtaca  | ttcggaggtg  | 3177840 |
| cattttgtag  | catctgatca | atagccctth  | gtggcattth  | taccaaatcc  | ttctcactta  | 3177900 |
| cagtcgaaac  | attcgatgac | aaacgtctct  | ttttgatttc  | agcaccttgt  | ccgggtcacca | 3177960 |
| ccacttcatc  | caatttgaaa | ttgtcttcat  | tcatttgcac  | aaccatccct  | tgtttatctt  | 3178020 |
| ccgacaagct  | gatttctth  | gtcacatacc  | ccacataagt  | cagctccagt  | gttgctthcg  | 3178080 |
| cagcattaac  | atccagagaa | aaattaccat  | caacatctgt  | aatagtacca  | ataccgcat   | 3178140 |
| taccctthac  | agacacagat | acccctatta  | aagcctcctt  | cgtactthgg  | tctattactt  | 3178200 |
| ttcctthtaa  | taaattggct | gatgccgaaa  | aaggcaataa  | gcacatgatt  | ccagttaaag  | 3178260 |
| ctaaatacct  | cataaacaat | tctattaaaa  | actgttgcaa  | aagtacctga  | ccctcattac  | 3178320 |
| aaacaaaacga | cagagaaatg | acgttacggg  | tctaaaaaca  | ttgcaaaaaga | tgtaaactth  | 3178380 |
| attaaaaaga  | gattacaagt | accacaggtt  | tgaaccaccg  | aaaaaagaat  | tttccattth  | 3178440 |
| cctatatcaa  | gtattcacgc | ttttagcgta  | tctttgtctga | ctttaaaatg  | taatcttaaa  | 3178500 |
| aagaaaggaa  | taaccgtggc | taaggacaat  | gacgtgggtat | taaccccat   | gatgaagcag  | 3178560 |
| tatttgcact  | taaaggcgaa | acatcccgat  | gcaatcatgc  | tcttcagggtg | tggcgactth  | 3178620 |
| tatgaaacgt  | attcggaaga | tgccgtaaca  | gcttccgaaa  | ttctgggaat  | cacgctgacc  | 3178680 |
| aaacgtgcca  | acggacaggg | taagacgggtg | gagatggcgg  | gatttccgca  | ccatgcgctc  | 3178740 |
| gatacgtacc  | tgccgaaact | gattcgggca  | ggacgacgtg  | tagctatctg  | cgaccagctg  | 3178800 |
| gaagacccga  | aaaccacaaa | gaagctggta  | aaaagaggca  | tcaccgaact  | ggttacgccg  | 3178860 |
| gggtgtgcca  | tcagcgacaa | tgtattatct  | tataaggaga  | acaacttctt  | ggctgccgta  | 3178920 |
| catttccgga  | agacagcttg | cggcgctcgt  | ttcctggata  | tttcgacggg  | agaatttctt  | 3178980 |
| accgccgaag  | ggcctthtca | ctatatcgac  | aagttactga  | ataattthtgc | cccgaagaa   | 3179040 |
| gtcttggtcg  | aacggggaaa | gaaaccgatg  | ttcgaaggta  | atttcggtag  | taagttctth  | 3179100 |
| accttcgagc  | tggacgactg | ggtgtttacc  | gaagcgtctg  | cccgcgaaaa  | gctgctgaaa  | 3179160 |
| catttctgaaa | ccaagaacct | gaaaggtht   | ggagtggaa   | atctgaagaa  | tggatatcatt | 3179220 |
| gcttccggag  | ccattctgca | atatctggat  | atgacgcagc  | attaccagat  | cgggcacatc  | 3179280 |
| acttcgctgg  | cacgtatcga | agaggataaa  | tatgtacgcc  | tcgacaagtt  | cacgatacgc  | 3179340 |
| agcctggagc  | tgataggcag | catgaatgaa  | ggcgaacca   | gcctgctcga  | tgtcatcgac  | 3179400 |
| cataccatca  | gcccgatggg | agcccgctctg | ctgaagcggg  | ggattgtctt  | cccgtgaaa   | 3179460 |
| gacgtgaagc  | ccatcaacga | acgactggac  | gtagtggaa   | atttcttccg  | cgaaccggat  | 3179520 |
| ttcaaggatt  | ttatcgaaga | gaagttgcat  | ctgataggcg  | acctggagcg  | tatcgthtctg | 3179580 |
| aaagcagccg  | taggacgtat | ctctccgcgt  | gaagtcgtht  | agctgaaagt  | agccctgcag  | 3179640 |
| gcgatagaac  | ctatcaagaa | tgcctgtctg  | aatgccgaca  | acgaaagcct  | gcggaagata  | 3179700 |
| gggtgagcagc | tgaatctctg | tgttccatc   | cgcgacaaga  | ttgccaagga  | aataaacaac  | 3179760 |
| gatcccccg   | tgctggtcaa | caagggagga  | gtaattgccg  | acggagtcaa  | tcaggagctg  | 3179820 |

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|             |            |            |            |             |             |         |
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| gaaagtgagc  | tgacgggcat | ccccagcctg | aaaatagcct | acaacaacgt  | gttcggctat  | 3179940 |
| tacatcgagg  | taagaaatac | acataaggac | aaggttccag | ccgactggat  | acgcaagcag  | 3180000 |
| acactgggtca | acgcggaacg | atacatcacg | caggaactga | aggagtacga  | agagaagatt  | 3180060 |
| ttgggagcgg  | aagacaagat | tctgattctg | gaaaccgcgc | tgtacaacga  | actggtggca  | 3180120 |
| gagcttgccg  | agtttatccc | tgccatccag | atcaatgcga | cacagatagc  | ccgtctggac  | 3180180 |
| tgcttgctgt  | cgtttgccaa | tgagcccg   | gccacaacat | atatccgtcc  | ggtggtagcc  | 3180240 |
| gacgacgata  | tcctcgacat | caagcaagga | cgtaaccg   | tcacgagaa   | acagcttccg  | 3180300 |
| gcaggagaga  | aatacattgc | caacgatgtg | tatctcgata | cggaaacgca  | gcagatcatt  | 3180360 |
| atcatcaccg  | gaccgaacat | ggcaggtaag | tctgccttgc | tccgacagac  | ggcacttatc  | 3180420 |
| accctcatgg  | cgagatagg  | ttgctttgtt | cctgccgaaa | gtgcacacat  | cggactggtg  | 3180480 |
| gataagattt  | ttaccctgtg | gggagccagc | gacaatatct | cgggtgggca  | atcaaccttc  | 3180540 |
| atggtagaaa  | tgaacgaggc | ggcagatatc | ctgaacaacc | tttcgccacg  | cagtctggta  | 3180600 |
| ttgttcgacg  | agctgggacg | cggtacatct | acttacgacg | gtattttccat | cgcctgggct  | 3180660 |
| atcgtagaac  | atatacacga | gcacaagcgc | gcccgtgcc  | gtacgctctt  | tgccacacat  | 3180720 |
| tatcacgagc  | tgaacgatat | ggaagagagc | ttccgcgcta | tcaagaatta  | caacgtttcg  | 3180780 |
| gtgaagggaag | tagacaacaa | ggtcatcttc | ctgcgcaagc | tggaaacgtg  | aggaagcgaa  | 3180840 |
| cactcgttcg  | gtattcacgt | agcaaagatg | gcaggatgc  | ccaagaccat  | cgtgaagcgt  | 3180900 |
| gccgacgaga  | ttctgcacca | gctggaaaaa | gaaaaccgac | aggaaggcat  | gtcatcgcat  | 3180960 |
| cataaggtag  | aacctaaaac | agttcatcag | gacggagtac | agctgagttt  | cttcagctc   | 3181020 |
| gacgaccctg  | tactgtgcc  | gatacgtgac | gaaatactga | atctggacgt  | aaacaacctg  | 3181080 |
| actccgctgg  | aggcgctgaa | caagctgaac | gatataaaga | agatagtaag  | ggggaaataa  | 3181140 |
| taccctctac  | ctgcatatta | tgattccctg | tgctgccaga | aaatgatact  | ccggcaacac  | 3181200 |
| agggaatgct  | tattgaaaag | gtaaaagaga | tactatcaac | gggaatacag  | atgatataat  | 3181260 |
| acatcgtaaa  | ccaacgtgat | tgttaccaat | gcacatacaa | ctcccaacga  | gaaatatcca  | 3181320 |
| tctactgcaa  | aaaataaaat | ccaccataca | cacatggctc | cggcatccaa  | ataaagatac  | 3181380 |
| ttccctttat  | cgggacaagc | tgctttcttc | ttatatagta | ccaacaaatc  | gaaaagaata  | 3181440 |
| gaaatcataa  | atagcccat  | aagaagagca | agccacaaag | catttttttc  | aatactttcc  | 3181500 |
| acaagtccat  | aaacaacagc | cagacctaat | aataaggaac | ataccatcct  | gattttgaaa  | 3181560 |
| tacgtgttac  | tgctttgcat | aatgactaat | tttaacatgg | caagtaagtt  | aataaaaaatc | 3181620 |
| aaattaaaaa  | acaatatata | taaagaatca | atacttcggt | aaattttttac | cgataaatta  | 3181680 |
| aaattaaaca  | tagaatcggc | ataatccggt | tcaaaattat | attcaagaga  | tcattgaaat  | 3181740 |
| actgtcaaga  | ataaatcgtc | aaggagtaag | aaaagggatg | aaaaagatat  | gctaaacagc  | 3181800 |
| tgaaaatcaa  | cagaaaaagt | atttcataat | tcactgattt | ttagtaaatt  | agaagtactt  | 3181860 |
| caccactttt  | aattatgact | aaagaatcac | tccttatgca | ataccaatcc  | gagtgcagaa  | 3181920 |
| acgctctcga  | atcagctgta | aatataagca | aatcttttca | gaaagtattc  | atggatgcaa  | 3181980 |
| tgaaaattatt | catggctata | cctgaccgca | tcaatttcct | acaaatggga  | cggtatggat  | 3182040 |
| gtttctcggg  | acagacatac | cgcaacaatt | ttgagaacga | cggcttttgac | tggttttccct | 3182100 |
| tcaatgaagc  | catcatcagg | gaacacctta | aagggtggtc | caaggcgata  | gccgttgatc  | 3182160 |
| cgtctttcat  | tccaaaatca | ggcagcaaaa | cgccgtggat | tggctatttc  | tggtccgggt  | 3182220 |
| gtgccggtga  | atacaaacgt | ggactggaaa | taaccggtat | tggagttata  | gacgttgaca  | 3182280 |
| accatgaatg  | tatgactttg | ggctctgtac | agacacctga | caacgcaacg  | ctggaaagct  | 3182340 |
| gtgagaagaa  | tcttggtgac | tggtacagct | cttaccttat | cagcatacag  | gaacagctga  | 3182400 |
| aacgtatttc  | tggcacagtc | gtgtgtgatg | cgttcttttc | aaaggcaact  | ttcatcaaac  | 3182460 |
| cattgtacga  | taacggtttc | cacgtaataa | gccgtttcag | gaatgatgcc  | gtattgtttt  | 3182520 |
| atcccacctt  | agaaaatagg | acaggaaaac | gcggacgtcc | aaaattacat  | gacgagaaaa  | 3182580 |
| ttgactttga  | aaatctggac | atcacaagat | gtaccgagta | caaagtgaac  | aagggtaaac  | 3182640 |
| tttacggact  | gaaagcatac | tccaaagcac | tcaaacgctt | tgtgagcctg  | gctgtatggt  | 3182700 |

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| acgcacagga  | tgtcctggac  | ttttacagaa  | cacgtttcca  | actcgaattc  | tgctttcggg  | 3182820 |
| atgccaaagca | acatgccgga  | atagcaaact  | gtcagtctac  | agacttcagg  | aaactggcat  | 3182880 |
| tccactttta  | tgcatcactt  | gcagcgataa  | acctcgccaa  | ggctgcctgt  | aagaagatgg  | 3182940 |
| gaataaaaata | ttccatatca  | tcatgcaagt  | cagtcataca  | caatgcttac  | atgcttgaac  | 3183000 |
| gatttat     | cgtgtctggg  | attgaaccaa  | acacgcaatt  | aattgacaaa  | cttttcaaag  | 3183060 |
| aactcatttt  | atttactgcc  | agagccgctt  | aggctgggct  | aatttttaac  | gaactattga  | 3183120 |
| agaattatat  | atttaaacta  | tctaacttta  | gatctataat  | ttcatat     | aatttttcac  | 3183180 |
| ttttaaat    | tagtttgcca  | ataattaaaa  | ctactttgca  | taatagcaaa  | tgctattaat  | 3183240 |
| aaggagtttt  | tatcttctaa  | agttaaatta  | ggtgaatcag  | acacaacctt  | tctatattca  | 3183300 |
| tacaataata  | cctctaaatc  | ctgttcatta  | acaacatata  | catttacagc  | ttgaaagaat  | 3183360 |
| aaatccatta  | ttctctcact  | atctattgaa  | acaatgcctt  | tttctacaaa  | attacttaat  | 3183420 |
| accttttcat  | aatcattact  | tcgatataaa  | tctattaaag  | tactatctat  | ttgattgatt  | 3183480 |
| aaatctaact  | gtatgttatc  | agttattaaa  | ggaattccat  | agctattata  | attatcaata  | 3183540 |
| tgcttaacat  | cagtacctaa  | atcatctatt  | ggatcataaa  | cacctctaga  | ggaataat    | 3183600 |
| gttgaagcat  | ttaaagctat  | gccaactata  | gaatcatgta  | ataatgaaat  | agtatgacat  | 3183660 |
| tcatcttcat  | ttaatatact  | ttctaacggg  | tggtatgtcat | cattcttcat  | cacagaagaa  | 3183720 |
| tttattataa  | cagtttcttt  | ataagattct  | aatacatcta  | aataaggcat  | aaccattgaa  | 3183780 |
| catccacaat  | atgcagaata  | tgaagctcca  | gcagatataa  | cccctgtaga  | agtcaatata  | 3183840 |
| gcagcccccg  | tgacaggtcc  | agctactccc  | ccagtcatag  | ctgttattag  | agctgcagcc  | 3183900 |
| ccaacagaag  | ctttaaaacc  | tgtataagca  | ccaatggcat  | ctgcacttat  | tatagcaata  | 3183960 |
| aaccgtcccc  | aaatacctct  | actttcaggc  | ttaattttta  | aaatagaatc  | attaaattca  | 3184020 |
| ctcaaagtat  | tcagttcttc  | aacaacagat  | aaatcatcca  | cttttggttc  | caaaacagaa  | 3184080 |
| tctttttcat  | ttgaacaagc  | aaaaaagaat  | aaacaactaa  | ctatcaaaaa  | aaaataatct  | 3184140 |
| tttcataaat  | aatttatatt  | aagataacaa  | ttaacaataa  | acaatcacaa  | tacaaaatct  | 3184200 |
| ccggtaat    | catttccctc  | tttatcatag  | aaataaatat  | tataattccc  | cgatttatat  | 3184260 |
| tgggatat    | ctattcaata  | gttcgttaaa  | aattagccca  | gcctaagcgg  | ctctggcagt  | 3184320 |
| aaataaaaatg | agttctttga  | aaagttgtc   | aattaattgc  | gtgtttgggt  | caatcccaga  | 3184380 |
| cacgcaaata  | aatcgttcaa  | gcatgtaagc  | attgtgtatg  | actgacttgc  | atgatgat    | 3184440 |
| ggaatatttt  | attcccatct  | tcttacaggc  | agccttggcg  | aggtttatcg  | ctgcaagtga  | 3184500 |
| tgcatataag  | tggaatgcca  | gtttcctgaa  | gtctgtagac  | tgacagtttg  | ctattccggc  | 3184560 |
| atgttgcttg  | gcatcccga   | agcagaattc  | gagttggaaa  | cgtgttctgt  | aaaagtccag  | 3184620 |
| gacatcctgt  | gcgttctgta  | tttcgtttgt  | agagaaatac  | agctgccatt  | tgtccgttct  | 3184680 |
| tccatccatg  | gggtaccata  | cagccaggct  | cacaaagcgt  | ttgagtgtct  | tggaagtatgc | 3184740 |
| tttcagtccg  | taaagtttac  | ccttggtcac  | tttgtactcg  | gtacatcttg  | tgatgtccag  | 3184800 |
| attttcaaaag | tcaattttct  | cgtcatgtaa  | ttttggacgt  | ccgcgttttc  | ctgtcctatt  | 3184860 |
| ttctaagggtg | ggataaaaaca | atacggcatc  | attcctgaaa  | cggcttatta  | cgtggaaacc  | 3184920 |
| gttatcgtag  | aatgggtttga | tgaaagttgc  | ctttgaaaag  | aacgcatcac  | acacgactgt  | 3184980 |
| gccagaaaata | cgtttcagct  | gttcctgtat  | gctgataagg  | taagagctgt  | accagtcaac  | 3185040 |
| aagattcttc  | tcacagcttt  | ccagcggtgc  | gttgctcaggt | gtctgtacag  | agcccaaagt  | 3185100 |
| catacattca  | tggttgtcaa  | cgtctataac  | tccaataccg  | gttattttcca | gtccacgttt  | 3185160 |
| gtattcaccg  | gcacaaccgg  | accagaaaata | gccaatccac  | ggcgttttgc  | tgcttgattt  | 3185220 |
| tggaatgaaa  | gacggatcaa  | cggctatcgc  | cttgcgacca  | cctttaagggt | gttccctgat  | 3185280 |
| gatggcttca  | ttgaaggaaa  | accagtcaaa  | gccgtcgttc  | tcaaaattgt  | tgcggtatgt  | 3185340 |
| ctgttccgag  | aaacatccat  | accgtcccat  | ttgtaggaaa  | ttgatgcggg  | caggatatagc | 3185400 |
| catgaataat  | ttcattgcat  | ccatgaatac  | tttctgaaaa  | gatttgctta  | tatttacagc  | 3185460 |
| tgattcgaga  | gcgtttctgc  | actcggattg  | gtattgcata  | aggagtgatt  | cttttagtcat | 3185520 |
| aattaaaggt  | ggtgaagtac  | ttctaattta  | ctaaaaatca  | gtgaattatg  | aaatactttt  | 3185580 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| ttattcttga  | cagtatttca  | atgatctctt  | gaatataatt  | ttgaaccgga  | ttatgccgat  | 3185700 |
| tctatgttta  | attttaattt  | atcggtaaaa  | atttaccgaa  | gtattgtcta  | ttattacagt  | 3185760 |
| atcgaatgtc  | ttaactgtaa  | tctcattttg  | atagactata  | ccctctgcac  | cagtaacgat  | 3185820 |
| aaccttatat  | acagcccctt  | tcaaaaataa  | aatatcaata  | gccgtagaag  | attgtgtcgc  | 3185880 |
| attaatagga  | atctgatttt  | gagaaacaga  | aactggagat  | tcattgggtt  | tcaattctat  | 3185940 |
| gtttttatct  | gcaaaagcat  | agtctgaaaa  | agaactaaa   | cccataaaca  | ataaaaatat  | 3186000 |
| ctttttcata  | aacattaaat  | tattgatttt  | cgctattaca  | aaggtacagc  | agattcaagc  | 3186060 |
| accatacaaa  | gaaaagaggg  | tgacacaagg  | tagacatata  | caaaatcata  | acacattgat  | 3186120 |
| aataaatgga  | atataaaaa   | taataaagaa  | aaaaggtaga  | cataataaaa  | cagcaggcag  | 3186180 |
| tttatcccac  | tattatcccc  | cgaataatct  | attagcaatt  | caccgataaa  | acaatcaaat  | 3186240 |
| tatttatatt  | tgtaatagtc  | ttacaaacat  | tctgtatgaa  | aaataaaaca  | ctcatcatca  | 3186300 |
| ttgtcaccat  | agcagcaacc  | gcagccgccc  | tttcaactcg  | catttaccag  | aaaaggacac  | 3186360 |
| accagataaa  | tgcttcaactg | ttgcagattg  | agcaactgat  | gtatgaaaga  | cccgcagctg  | 3186420 |
| cctggaagat  | actacaacac  | atgccatcca  | tttcgcaatt  | acgtaaagag  | gaacaggcac  | 3186480 |
| tccatgcact  | gctattcaca  | caggcacaat  | ataaaaacta  | cattccgggtg | aaaagcgatt  | 3186540 |
| cactactccg  | gatagcggaa  | gcatactacc  | ggacaagcag  | cgactccctg  | cacaaggcat  | 3186600 |
| ggacactttt  | ctatttggca  | cagtattaca  | gggattcggg  | tgaaaaggaa  | aaagcactct  | 3186660 |
| cgtatttcca  | gcaggcgaat  | atagcaagcc  | ggaatataga  | aaacaatcaa  | ttcaagttcc  | 3186720 |
| tgctcaattt  | acactgggct  | aatttactaa  | gcgatgaaga  | tgccgagaat  | aaaggaatcg  | 3186780 |
| aaaaatatca  | aatggcaaat  | aaatatgcta  | ttttactgaa  | agatacctta  | aaacaaattg  | 3186840 |
| atttatatgg  | acaatgggga  | tgggtgctgtc | tgtaaacagg  | aaaatatgat  | tgcgagaca   | 3186900 |
| gtctgtttaa  | tatgggatta  | aaattatcta  | catcttcaaa  | aatgacaata  | gttcgttaaa  | 3186960 |
| aattagccca  | gcctaagcgg  | ctctggcagt  | aaataaaaatg | agttctttga  | aaagtttgct  | 3187020 |
| aattaattgc  | gtgtttgggt  | caatcccaga  | cacgcaaata  | aatcgttcaa  | gcatgtaagc  | 3187080 |
| attgtgtatg  | actgacttgc  | atgatgatat  | ggaatatattt | attcccattct | tcttacaggc  | 3187140 |
| agccttggcg  | aggtttatag  | ctgcaagtga  | tgcattaaag  | tggaatgcca  | gtttcctgaa  | 3187200 |
| gtctgtagac  | tgacagtttg  | ttattccggc  | atgttgcttg  | gcatcccgaa  | agcagaattc  | 3187260 |
| gagttggaaa  | cgtgttctgt  | aaaagtccag  | gacatcctgt  | gcgttctgta  | tttcgtttgt  | 3187320 |
| agagaaaatac | agctgccatt  | tgtccgttct  | tccatccatg  | gggtaccata  | cagccaggct  | 3187380 |
| cacaaagcgt  | ttgagtgtct  | tggagtatgc  | tttcagtcgg  | taaagtttac  | ccttgttcac  | 3187440 |
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| ttttggacgt  | ccgcgttttc  | ctgtcctatt  | ttctaagggtg | ggataaaaca  | atacggcac   | 3187560 |
| attcctaaaa  | cggcttatta  | cgtggaaacc  | gttatcgtac  | aatggtttga  | tgaaagttgc  | 3187620 |
| ctttgaaaag  | aacgcacac   | acacgactgt  | gccagaaata  | cgtttcagct  | gttcctgtat  | 3187680 |
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| gccaatccac  | ggcgttttgc  | tgccgtgattt | tggaatgaaa  | gacggatcaa  | cggctatcgc  | 3187920 |
| cttgcgacca  | cctttaaggt  | gttcctgat   | gatggcttca  | ttgaaggaaa  | accagtcaaa  | 3187980 |
| gccgtcgttc  | tcaaaattgt  | tgcggtatgt  | ctgttccgag  | aaacatccat  | accgtcccat  | 3188040 |
| ttgcaggaaa  | ttgatgcggt  | caggtatagc  | catgaataat  | ttcattgcat  | ccatgaatac  | 3188100 |
| tttctgaaaa  | gatttgctta  | tatttacagc  | tgattcgaga  | gcgtttctgc  | actcggttg   | 3188160 |
| gtattgcata  | aggagtgtat  | ctttagtcac  | aattaaaagt  | gggtgaagtac | ttataattta  | 3188220 |
| ctaaaaatca  | gtgaattatg  | caatactttt  | tctgttaatt  | ttcagctgtt  | tagcatatct  | 3188280 |
| ttttcatccc  | ttttcttact  | ccttgacgat  | ttattcttga  | cagtatttca  | atgatctctt  | 3188340 |
| gaatataatt  | ttgaaccgga  | ttatgccgat  | tctatgttta  | attttaattt  | atcggtaaaa  | 3188400 |
| atttaccgaa  | gtattgaaat  | gacatattat  | aactacctat  | taaattgttt  | atctttaacg  | 3188460 |

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| atgaaccaat  | acgattcggc | acacttctat  | ttaagcaaag | atagcagaga  | ttatgatcca  | 3188640 |
| tatttcaaag  | cgactcatta | tttaaaactgg | agtatatacg | aagaaaaaat  | aaaaaatctt  | 3188700 |
| cccaaagcgc  | tggaatacag | caagcgggat  | gccgaactgc | tgataccat   | ctatcaaaaa  | 3188760 |
| aggctggagt  | ctaaagtagt | aaacctccag  | cacaaatagc | actactcctt  | gattcagagt  | 3188820 |
| gaaaacaagc  | tgctgaaaat | caaacggcaa  | agactgtata | tatcactgat  | agccatctgc  | 3188880 |
| atggcggtag  | tgaccgtagc | tgtcatattc  | ttctataaac | gcagggaaga  | gaagcgtaaa  | 3188940 |
| ctggcagaac  | agatgcgac  | aaaagacgac  | ctgatgaagg | aaatgaggct  | gcaactgcaa  | 3189000 |
| gaaaaaacca  | tcgacctgca | tgctgcacag  | gaaaaaat   | tcgaaaagga  | aacagctctg  | 3189060 |
| gacaaagaac  | tttcacaaag | ggaaaagatg  | aggagcgaat | actcttcaaa  | ggaggctgcc  | 3189120 |
| atgagaaagg  | aaatcctgcg | ccacagcgaa  | atcatcagaa | aaatggaaca  | gctcaataaa  | 3189180 |
| atgagccagc  | aggataaaat | acaaagccgg  | tcggtagtgc | tctccgacga  | ggaacaggac  | 3189240 |
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| cgctcaaac   | acgacaagat | gggtatggac  | gaaaacgatt | cgctggatga  | gtttatcatg  | 3189480 |
| gaattctgac  | gagcattatg | ctcactcttt  | caccataca  | tgcttctatct | ctacgacata  | 3189540 |
| cattttatgg  | aatccgcat  | gtccttcacc  | gtaccagcgg | cttaccagt   | aggcatcgat  | 3189600 |
| aaactgctcg  | ggctttatca | tatcggcata  | cagttttctg | cattccagta  | ccatacgtgc  | 3189660 |
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| gggacggatg  | aaaataaagg | ctacaggctt  | tgcccacaaa | acaccggttc  | cgccccagct  | 3189900 |
| tgccgtcatc  | atgttaaact | tttcctgtgt  | tccggccggt | accagcatcc  | attccttact  | 3189960 |
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| tatttaaatga | ttcatcaggg | caaaactact  | aaaattatcg | gtaccagag   | aaaaacgctt  | 3190080 |
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| aaaatggact  | agttaaaaaa | ttaatcaaat  | agtccttcaa | aaaggggata  | atcgagttct  | 3190200 |
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| gagatgctta  | gaatctgcaa | aacttcataa  | gttgagcgct | tcaattgcat  | atcggtgttg  | 3190320 |
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| tcgaccaacc  | atcttttctt | gtagagatta  | gcaacgtcca | atgcagaaat  | atgtgttgcg  | 3190500 |
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| gccctgtcga  | atatataata | agcatttggt  | tcataatgga | ttgaacacat  | cgctgtagag  | 3190800 |
| tcgtgcttcg  | atgctgtggt | tacagtatag  | aaggcaggaa | cttgctgctc  | aatgtcatat  | 3190860 |
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| agacacaacg  | gaatagttgt | tgaatcaaaa  | gcatacttat | tccctggaat  | atccaagatg  | 3190980 |
| ttggctcgctc | gcttttcaca | agcttccttc  | attatataga | atgcgaagtc  | ttcaaagatt  | 3191040 |
| ctgtagtcac  | gattctgatt | agcataagcg  | agggtggctt | tggctatttg  | attgctgcc   | 3191100 |
| agaccaagat  | gatattgctt | ggcttgatgc  | gcttcaaaag | ctacaattaa  | gtcgcgaaga  | 3191160 |
| ctctcacgat  | tgctcagttg | tccgaacatc  | atagcaagta | actgattcca  | gcaggtgaat  | 3191220 |
| tgtttcacgt  | agcgattacc | attatacttg  | cgaacaaagt | tattgaattg  | tggtctgttc  | 3191280 |
| ataaaagcgg  | taagttgagc | gaatacgtat  | ttatcttggt | tcataagcgg  | cattcaattt  | 3191340 |



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|             |             |            |            |             |             |         |
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| ttcaacaatt  | tcaaaggccc  | attaaccaac | ttttattgga | cagtagtggt  | tttgtacaaa  | 3191460 |
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| gatacgacgg  | cgttacggca  | gaacggcgac | ctgaatgcct | tgctgttgga  | aggagggctg  | 3192600 |
| ttcggacagc  | tcaagcaggg  | atactggaag | gcgaaggctt | acctgtacaa  | ctcggaacgt  | 3192660 |
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| aatttcttta  | ctcagggtac  | attcaagaag | gactttacac | agtggtagac  | cctgcttgcc  | 3192780 |
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| cgcattgccta | cactgaacga  | cctgtattat | acgttcacgc | gaaatatcaa  | cctggaacct  | 3193260 |
| gagttcacta  | cgcagtacga  | cttaggattt | acgtacagcc | gtaccttcaa  | caatacgtgg  | 3193320 |
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| gccactccta  | cgtcgaattt  | cttcgctgg  | acgatggtca | atctgggcaa  | tgtggaaatc  | 3193440 |
| agaggggtgg  | acgtggtact  | tcagaccggc | tggaagatcg | gacgtgacct  | gatggtaagc  | 3193500 |
| aaccgaatca  | attatacgtg  | tcagcgggca | caggacttta | ccgaccccaa  | aagtgaagttt | 3193560 |
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| tggcgctcgt  | gggaggctaa  | ttacagcttt | atctataccg | gagagcggtt  | ttcttcgcag  | 3193680 |
| gccaatatcc  | cttataatta  | ccagttgccg | tggtatacca | gcgacttttc  | ggtttccaaa  | 3193740 |
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| caatataact  | tttaatcatt  | cggaccatga | acagatatta | tttttacctg  | acagcctgcc  | 3193920 |
| tgattttgtg  | ctttctggac  | ggatgtcgtc | aggagcttcc | gacgattcgt  | tcggaagtgg  | 3193980 |
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| ggaatatggg  | aagcaacaag  | tgtacgatcg | atcattttga | cgcacgtacg  | ggaagctatt  | 3194100 |
| tccgcaacat  | ttatccggaa  | cggaacccca | atgtagtgaa | ggaacttggc  | gatgtgggca  | 3194160 |
| acgacatcgg  | catttacggc  | aaccggctgt | atgtggtagt | gaactgttcc  | aactttgtgg  | 3194220 |

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| acccgaacgc  | gcgtccggga  | aaggtggtgg | aaatcgacct | tgaaacgctc  | cagatcacgc  | 3194400 |
| gggaggtggt  | agtaggttat  | caaccggagg | aaatggttat | caacaacgga  | cgactgtatg  | 3194460 |
| tggccaattc  | cggcggttat  | cgttttccca | attacgaccg | taccgtttcg  | gtagtcgacc  | 3194520 |
| tccagtcgtt  | tcaggtagtc  | aatacgattg | atgttgctat | caacctgcac  | cgcatggaaa  | 3194580 |
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| acatttatgt  | cgtcgactcc  | cgcacggaaa | aagtaaccgg | cagactgggt  | atcgccgcta  | 3194700 |
| gcgaaatgtg  | catggacgag  | aacctgctgt | ataccatcag | taccgaatgg  | aactacaata  | 3194760 |
| cggggaagaa  | ccagatttca  | tacgccgttt | acgacacgga | gaagcaggaa  | attatttcac  | 3194820 |
| gcaacttcat  | taccgacgga  | acggaaaaga | atatcaccat | tccttacggg  | cttgccatca  | 3194880 |
| atccggaaac  | aaaggaaatt  | tatgtatgcg | atgccacaaa | ctatgtcact  | ccggggtatt  | 3194940 |
| tatactgttt  | ttcaccggca  | ggcaagctcc | agtggaaagt | ccgtaccggc  | gatattcccc  | 3195000 |
| cgcataatagc | cttttcgaca  | gaaagatttt | attaaccaat | acttaaaccg  | tttcaaaaga  | 3195060 |
| tgaaaaagtt  | cacattacat  | caggttcagc | tgacgggctc | cttgcttgct  | gcaactggctg | 3195120 |
| ccggtggctt  | cacatcgtgc  | agcagtgaca | aaaatgaacc | ggaaatgcct  | tttatcacag  | 3195180 |
| gcgaaaaaac  | gccttacgtg  | acgcgtgttc | tcgactaccg | tccggctgta  | gggcagttta  | 3195240 |
| ccaatcagct  | ccccgaatat  | aaggaaggag | atacgcagga | agatatgaac  | cgtaaggcgc  | 3195300 |
| tggaagctat  | cggaaataat  | aaaatgggaa | tggtttcgct | gggaggtttc  | ggcggataca  | 3195360 |
| tcgtggtggg  | cttcgaccat  | accatcgaaa | acaaggccgg | actgtgtgac  | ttccgtgtac  | 3195420 |
| tgggtaaatgc | gttttatgcc  | aacggggcat | cggaaatcgg | aagctgtgaa  | cccgggtgtca | 3195480 |
| ttcaggtatg  | ctacgacgaa  | aaccgcaacg | gactgcccga | cgacggatgg  | tacgaaatag  | 3195540 |
| ccggaagctc  | ttatcctgac  | ggaaaagaat | cgtggcttga | cttggctgct  | caggcaggca  | 3195600 |
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| gagcgcctac  | cgagcagtat  | atccgctggg | aggataatca | gggaggcagt  | ggttacaagg  | 3195720 |
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| accaatccgc  | tgtttgtttc  | acccgaccag | gttttcaaaa | ttgaatataa  | tgcaagaac   | 3196320 |
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| ggcaagtata  | tcaatgtaaa  | ggctacagcc | aatgctgttt | cgaaggctaa  | actgacgatt  | 3196440 |
| acggctacgg  | gagaagatac  | acagaaggta | tcgaaagagg | taacactttg  | ctgtctgaac  | 3196500 |
| ttcttcgacg  | acgtgaacgg  | taccttcgtg | ctgaatgaag | gaaacatgac  | aaccgaaaac  | 3196560 |
| ggttcgctta  | cgtatgtcac  | tgccgacggc | tatgtcttcg | acgatgctta  | caaaacggctc | 3196620 |
| aacggatcgg  | aactgggtaa  | tgtggcgag  | gatatggctt | tctatggcga  | caagattttac | 3196680 |
| atcattactc  | aaaacgggtga | tgaaaatgcg | gtaggaaaga | agttcgaaaa  | cgacgggtatg | 3196740 |
| ctgattgtcg  | taaacgcaaa  | gacactgaaa | aaggagatag | cgttttagtaa | gcaagaactc  | 3196800 |
| tcagaactcg  | actggcctac  | gcacattgcc | gtactcgatg | aagaacatgt  | ttacatccgc  | 3196860 |
| gacaacaaag  | gtatacacag  | actggatagc | aaaacaaaga | aactgacaac  | ggtagaagggt | 3196920 |
| acatccggtg  | ctcccaaaag  | ccagttcggt | accatgaacg | gtaaagtata  | cacgtataaa  | 3196980 |
| acaggattat  | tgggctgtat  | tcttgagatt | tctccggata | aggacaatgc  | gaccaaata   | 3197040 |
| aatttcccat  | atagagtaga  | gatctccatc | aatgaagttt | tgggcatcca  | agctgccgaa  | 3197100 |

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| ggagtagcat  | ttgcaagtta  | tgacaacaat  | atattattatg | cagatggcac  | aacaatttac  | 3197280 |
| cgcttaaat   | tcgatgaaga  | cgaatcactt  | aatgcagcat  | caggtcttga  | tgcagaagaa  | 3197340 |
| actttaaccg  | acttgtctgc  | catcgacaac  | aatgcaggat  | tgctttataa  | tggactggga  | 3197400 |
| gttcatcctg  | taacaggaaa  | tgtatatatc  | aacacgatca  | aatcgtttgc  | ccagtatact  | 3197460 |
| cagaatacaa  | tctgggtctt  | cgattttaac  | aatagcgag   | aaaatcctgc  | tgccaaatat  | 3197520 |
| gagaactata  | cgaacttccc  | tgccggattc  | ttttttgcac  | ctggcaaata  | aaaacagtaa  | 3197580 |
| acttaaaaac  | attgaattat  | gaaactcttg  | aataacctca  | tcgttccggc  | atthttgcgga | 3197640 |
| ctactgattt  | tctcaggatg  | ctcggacaac  | ccggaagatc  | cgggtacaca  | accaccttcg  | 3197700 |
| accaatcccg  | aacctcctgc  | atatctggga  | ggatatgctg  | atcctgacgg  | agtactgatt  | 3197760 |
| ctcaatcagg  | gagctgcaat  | agaaaacagc  | tcgctgactt  | acattactcc  | cgaaggaaat  | 3197820 |
| atcgaacaga  | atgtatatca  | gaaagtcaac  | ggatcggctt  | tcggtcatgg  | gggacaagac  | 3197880 |
| ctctatatgc  | ataacgggaa  | actttatatt  | ctcagcacca  | ataaggatgt  | atatcagaaa  | 3197940 |
| cacgaagggtg | acggcacact  | ggtaatagcc  | gatgctgtga  | cactgaaacg  | ggagaaagca  | 3198000 |
| tttaaattcg  | acgaactaaa  | ataccctcgt  | ccggaaggat  | ctttagacga  | aaatgaattt  | 3198060 |
| cttccactag  | ttactccact  | aagaaatatt  | gtagtcatcg  | acgaaaaaaa  | catatttttc  | 3198120 |
| tcagaccaga  | aagcactttt  | ccgatttgac  | agtacgaccg  | gagaactaaa  | tatagtagaa  | 3198180 |
| gattcctacc  | atttcggtaa  | tcagggaat   | acaattgaag  | ctgttgccgg  | cactcaagggt | 3198240 |
| atggttgta   | ttggcgacta  | tatatatacc  | ggtggaggag  | gattctgggc  | cagtacaaga  | 3198300 |
| ctgctggagt  | ttaaaaaagg  | agaaaacaag  | gcaaccgta   | tcttgccaga  | tctcaaagga  | 3198360 |
| gaattcatca  | gtggtgtatg  | ccagacagga  | gagcgtgaaa  | tcattgattgc | cacatgcgga  | 3198420 |
| cgttcgggat  | ctactaagag  | ctattttata  | tttgtaaattc | ttgataacctg | ggaaatcgta  | 3198480 |
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| cttgaggag   | attatgttta  | tttctgtgcc  | ggaaaaacca  | gcgtcagccg  | tatttcactc  | 3198600 |
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| gaaactcctg  | tactagtaaa  | aaacatcgaa  | aacaagacaa  | gctatcctgt  | cggaaatttat | 3198840 |
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| gaaccattcc  | ttgaaagctg  | gcacacgagc  | tttactgata  | ataacctttt  | cattttgcagc | 3199020 |
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| caactcatca  | agtgtttgct  | ggaagtcgaa  | tatttcagca  | gattgtgtaa  | ctgctttgac  | 3199200 |
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| gcctttcacg  | ggaaccagaa  | agtgtgtctt  | atagctttct  | tctcgtttta  | aagcatgcat  | 3199320 |
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| agcttggtgt  | aaatcggaac  | tgctgatagg  | cttcagtaaa  | taagcgatgc  | tatttacttt  | 3199440 |
| aaatgcttgt  | aaggcatact  | catcgtaagc  | agtagtaaaa  | atgatagggc  | aggtaatatc  | 3199500 |
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| gtcaggcatg  | ggatgaaagg  | caaaccattc  | caatgttctt  | gttacactgt  | ctgtttcacc  | 3199620 |
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| tcatttctct  | cgatggtaat  | atcccgttta  | aagagtaact  | gataccgctt  | cgacaagttg  | 3199800 |
| gccagtccga  | tacagggtact | gctactgtcc  | gacagtttcg  | gttgaatgcg  | attactgaca  | 3199860 |
| caaaggctct  | ttccttcagc  | gtagatgcga  | atggtaagag  | ggtttcgggt  | gctgatttcg  | 3199920 |
| ttgtgcttca  | ccgcattttc  | caccagcatc  | tgcactgcc   | tgggagggaac | ttgtcgttgc  | 3199980 |

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| aaatagatgt  | acgaacgcac  | aaaactcatt | tcttcgttta | aggctaccgt  | atgcgaaaga  | 3200100 |
| ttgtcatgca  | aggtataacg  | catcacccga | gaaagttcct | gaagatagtt  | ctgtgcctta  | 3200160 |
| tcgggcgact  | ccctgatgag  | tgaatataat | gtattcaacg | aattgaaaag  | catgtgcgga  | 3200220 |
| ttaagctggc  | tcttcaaggc  | ttcgtactga | ttgacgagat | tttccgtacg  | caactgttca  | 3200280 |
| ttctcaagca  | gcattctccg  | actacgctgg | ttctggtaat | ccagatagca  | agtgccggtc  | 3200340 |
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| gccaccaagg  | tgattacaaa  | agttatcgca | actcttttcc | atcctaagtc  | tgctgccgga  | 3200520 |
| tgagtccgga  | tcatcagtct  | gatattcagg | aaaaagagca | gtaggataga  | aatataagta  | 3200580 |
| aacagtattt  | cggaaactcac | attcacccaa | taaacatccg | gaaacaaacg  | actgtctgtc  | 3200640 |
| acaggatcgg  | aaagtgcaat  | cagttcgggc | agatgcataa | ggaacgccac  | caggatagag  | 3200700 |
| atggcggttca | gcacgagaaa  | aaatctttta | tgatgtgtaa | acaacttcat  | gcaacaaagt  | 3200760 |
| tagtgttttt  | tatccgttat  | cttggcggcc | acatacatte | ccggacggaa  | attcggatag  | 3200820 |
| gcttgacgga  | tacgtgcata  | aactttgatg | gaacgattca | cgttgtctac  | catctggtcg  | 3200880 |
| actgaaacca  | gttcggccgt  | aaacgtttgt | tcaggcattc | cgttcacttt  | gaatgtgaat  | 3200940 |
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| ttgcttttat  | cgatgacatc  | acacaccgga | tcgcctgccg | caaaataactt | tccggcatta  | 3201060 |
| acatccatat  | tggtcacata  | accgttccgg | ggagcccgcg | cttcagata   | agtgcataa   | 3201120 |
| cccttttgaa  | gcagcgtaga  | ggtatcaata | ccaacaacg  | taagctgtgc  | agcagccgct  | 3201180 |
| tccatcttac  | tcttcataga  | aagatagtcg | gccttgcttt | gctgcatacg  | cttcagtga   | 3201240 |
| gccgattcac  | cggaaaccag  | tttctgctga | cgctcatatt | cttttttcag  | atactcggtc  | 3201300 |
| tgggcagcag  | catcaaggta  | agattgctga | agttcgatga | aagccggatt  | ggccaacgct  | 3201360 |
| aggataactt  | ctcccttgcg  | tacatattca | cccggcaata | cacggatatc  | ccgcacagaa  | 3201420 |
| cctcccatac  | ctaagtgtac  | tgtcacatgg | ttttgaggag | gcacatgat   | gataccggtg  | 3201480 |
| aacgatggcg  | gattggctac  | attggtagct | ccgcttacgc | catctacttc  | agacattgat  | 3201540 |
| acgctgtctg  | ttgccgtttg  | tatcgtatca | gcagattcgg | tggtttgctg  | actcgaagga  | 3201600 |
| cttgaacaag  | atactgccat  | caacacgagc | atcaagtaaa | tcattcgttg  | tttcatcaga  | 3201660 |
| tttattttat  | tcattttctc  | taagttttta | aagttggat  | agggtcgtta  | attcattcgg  | 3201720 |
| tataaagttc  | cagttcgagt  | acggtaatgt | tataagcata | aaccgtttcg  | atatatcctc  | 3201780 |
| gtttgatttc  | acgggcagca  | ttcaggctct | ggataaattc | actaatattg  | gtttcggttg  | 3201840 |
| cctggaattt  | cttcagtga   | ctgttctgca | aagcttctgc | ttccttgata  | gctgcatcct  | 3201900 |
| gataagtaag  | cagtcgctca  | cgctgacgaa | ccagttggct | ttgcaattca  | ctaacccttat | 3201960 |
| tcgacaactg  | gcgacgattt  | gattctgcct | cccagttggc | tatccgcaaa  | ttgatgcgag  | 3202020 |
| cctgtttggt  | acgactatgc  | tgcggaagaa | acagcaccgg | gaacgatact  | cccaccatcc  | 3202080 |
| atgagttcaa  | tccggtgaagc | ggcgctatct | tctggcgcac | atagcctaca  | gaaaattccg  | 3202140 |
| ggaagaaaacg | gctacgttct  | atcttcagca | aattcttttt | ctcttgacc   | tgagcctcaa  | 3202200 |
| agtagttcaa  | atgacgggaa  | gacaacgaca | gaccatctgt | ctgtatcggc  | atgactgcca  | 3202260 |
| gcgacgtatc  | ggcaggcagc  | agagcctgat | tgctgtagca | agcccatgta  | aaccgacgct  | 3202320 |
| cggccagtgt  | cagttcttcc  | gaagactcca | tccagcgcgt | atacaagtcg  | gccgccagtg  | 3202380 |
| ctgtcatcat  | attgcgttcg  | gccagatcga | tatcgcttg  | agcataacgc  | tgctccccac  | 3202440 |
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| catattggta  | ataggcccat  | gctcgcttca | cttctgccgt | gatttctttt  | ttcaccatgt  | 3202560 |
| cacgatagct  | ttctccctta  | ctgatttgcg | tattagccaa | cgcattcttg  | tagaaaaggag | 3202620 |
| tcagcaaaga  | accgatggat  | tgttctacag | acaattcatt | gtcatttcgt  | tcggcaccgt  | 3202680 |
| tcaattgtcc  | ccaagagtag  | ctgaaagaag | tacttcctcc | gtcccatgcc  | tctcctttcg  | 3202740 |
| aggcacgtgc  | ccgtcaatc   | tcagattctg | ccattttcag | acgtgggtgg  | ttgggtcatag | 3202800 |
| ctgtttcgat  | agcttggtcc  | agcgttatgc | gctgctgagc | ctgtacggca  | ggtacaaaag  | 3202860 |

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| attgtcttac  | ggcgatactg  | ttcaccaacc  | ggtagaaaac | tggaatgata  | atcaggggtca | 3202980 |
| atatagtcga  | gacaatcagt  | ccaccaatca  | ctacggtagc | cagtggacgc  | tgtacctcg   | 3203040 |
| caccggcaga  | ttttgcaata  | gccatcggca  | caaagccag  | tgaagccacc  | agtccggtca  | 3203100 |
| ggaagacagg  | gcgaagcaag  | tgcggaaca   | cctctgcaat | gatacgggtcg | gtacacaaat  | 3203160 |
| gatactgggt  | ccgcttacgt  | atgtcggtga  | agtgggtta  | catcaagata  | ccgttcaata  | 3203220 |
| cagccacacc  | gaagagtgcg  | atgaaaccta  | cacctgccga | gatactgaag  | ggcaatccac  | 3203280 |
| gtagccacag  | ggctacgata  | ccaccaatca  | gtgaaagagg | tacggtagag  | aagacaacca  | 3203340 |
| gtgaatagat  | gacactcctg  | aatgcaaaga  | acagcaatag | caggatcagc  | atcagggcg   | 3203400 |
| tagggataac  | taccgtcagt  | gtactgatag  | cattctgcaa | attctcgaac  | tgtccaccgt  | 3203460 |
| attcaaagta  | ataacccggt  | tttaacttga  | cattcttata | gagcgattcc  | ttgatttgct  | 3203520 |
| gaaccacctg  | ctggatatca  | gcatcacgaa  | cgttcacacc | aatgactacg  | cgctcgtttag | 3203580 |
| ttgcgtcacg  | gtttatctgg  | agcggaccgt  | ttaccagttc | gatgctggcc  | acttcactta  | 3203640 |
| ctggaagctg  | aatattgtct  | ttggtacgga  | caaacaactt | atcgatattg  | aaatcgctta  | 3203700 |
| ctttattctt  | atccagacga  | actacaagat  | cgaacgctcg | ttcatttttcg | aaaacgacac  | 3203760 |
| ctgccgtttc  | acctgcatag  | gctgtacgga  | taacggcatt | caattcttct  | atatcgatac  | 3203820 |
| cgtagcgggc  | aatccttgga  | cggtcgaaat  | gaaccagcag | ctgaggcaat  | cccatagcct  | 3203880 |
| gttctaccag  | cacatcggat  | gctcccggta  | ccttttctac | atatttagca  | gcctcacggg  | 3203940 |
| ctttatcgta  | taattcagtc  | atatcttctc  | cataaagttt | gattgcaata  | tcagccttgg  | 3204000 |
| cacctgtcat  | caattcattg  | aaacgaagct  | gaataggctg | actgaagttg  | aattctgcac  | 3204060 |
| ctttcaccga  | atccagacat  | gctttcattt  | ttccaccat  | ttccgcacgg  | ctcgaagcag  | 3204120 |
| aagtccattc  | gttgaaaggc  | ttcatcaca   | tcatacacat | cgcattcttct | accgccatcg  | 3204180 |
| gatcggctcg  | cacttctgctg | gtaccaatct  | tggccactac | atgcttgatt  | tccggaaaac  | 3204240 |
| gttctttcaa  | tctcttttcc  | gcttcgagtg  | acacctcgat | actcttgctc  | agcgaactgc  | 3204300 |
| cggctggaag  | agtcattctgc | atggcaaagt  | ctccttcatc | cagcgtcggg  | ataaattcgg  | 3204360 |
| cacccaattt  | cgtaaacagc  | agcaacgaaa  | gcagcaaagc | tatgaaagct  | acagaaatag  | 3204420 |
| ttccccatac  | atggggcaga  | ctgaaatgaa  | gcacgcgctg | ataaactctg  | ttcaaacgct  | 3204480 |
| cgaagaaacg  | gtcggcgagt  | gtctgtttta  | ccgttacagt | ccgtttcaag  | aaaagagaag  | 3204540 |
| ccatcatcgg  | tacataggtta | accgacagaa  | gcagagcacc | tatgatacag  | aataccagtg  | 3204600 |
| tcttggccat  | cggggtaaa   | tattttcctt  | caatacctgt | caatgtcagg  | ataggggaaga | 3204660 |
| atacaatcag  | aataataagt  | acggcaaacg  | tagcatttct | tacaaccctg  | gaagcacctt  | 3204720 |
| tttctacttc  | attatccatt  | tcctcacgac  | tcagggtacg | tcctctcaac  | tctcgtccgt  | 3204780 |
| acagatgagc  | cagaattcct  | tccagaataa  | cgatggaacc | atccaccaca  | ataccaaagt  | 3204840 |
| cgatggcacc  | caaactcatc  | aagttcgccg  | agacattgaa | tatacgcata  | aagataaagg  | 3204900 |
| cgaagagcat  | agccagcgga  | atgactgaag  | caacaatcag | accagcacgt  | acattgcccc  | 3204960 |
| ggaaaacgat  | cagtaccagg  | aatacgataa  | tcgtctcttc | caccagattg  | cgtataacgg  | 3205020 |
| tagatatgtt  | tcggtttacc  | aattccgaac  | ggttcagata | aggtttctacc | gatatacctt  | 3205080 |
| cgggcaacat  | ctgctgcaat  | ttggcaaccc  | gtttttccag | ttccttggtt  | acgacattcg  | 3205140 |
| cattggcacc  | tttcagcatc  | atggcaatac  | cgcccacaca | ttctccctca  | ccatccttgg  | 3205200 |
| tcatggcgcc  | aaaacgcttg  | ggagctccaa  | aacgtacttg | accgatattc  | ccaatgtgta  | 3205260 |
| ccggtatacc  | gccacgggta  | gttacaacaa  | tctgctcgac | atcgtgcagg  | ttgttaataca | 3205320 |
| taccttccga  | acggatataa  | taggcacgat  | tcactttttc | tatataacta  | ccgcctgtat  | 3205380 |
| tctggttatt  | acggctcaag  | gcttcgaaca  | cttcaccgat | agtaatatcc  | agcgaataaa  | 3205440 |
| gcgcatccgg  | atcgacagct  | acttcgtatt  | gcttcaggta | accgccaaaa  | ctgttgattt  | 3205500 |
| ccacaatgcc  | gggaataacc  | gaaagctgtc  | gttttacgat | ccagtcttgt  | atcgtacgca  | 3205560 |
| gttccatggc  | atcgtaacga  | tcttcatacc  | ccggagctac | tttcagtaaa  | tactgataaa  | 3205620 |
| tttctcccag  | accggtgggt  | ataggcatca  | gttcgggagt | accagtttcc  | ggcggaatct  | 3205680 |
| caccggaaaac | catttgcata  | tggttcattaa | ccagctgacg | ggcatccaag  | gtaggaacac  | 3205740 |

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| cgacgttcat  | cacgttgctc  | atggctat    | caataggaaa | agtaatcagc  | tgttccactt | 3205860 |
| cctgcggagc  | cagcgtgggc  | gacacggtaa  | caatctgcac | ctgggtgttc  | gtaatgtcgg | 3205920 |
| gtacggcatc  | aatgggcagt  | gtcagcatgg  | agtatatgcc | gcccgccaga  | agcagcaagg | 3205980 |
| tggtgagcac  | cacaaacagc  | ttctttcgga  | ttgagaaatg | tacgattttt  | gcaaacataa | 3206040 |
| gtgataaata  | ctaaatttat  | aattattaca  | aagttaattt | ctctacagta  | ttatttccat | 3206100 |
| cttttaccgt  | tgaacgtcc   | aaaatgacag  | ttgaaataca | cgataggcga  | ggtgatttta | 3206160 |
| tttttgtgat  | agtaccaatt  | catcgaaaaa  | gacaagaaaa | gcagggaaaa  | gtgttttttg | 3206220 |
| agcctgattt  | tttcaaatag  | aatgcttac   | tgacaaaaga | cttattatgc  | tgttgaaaaa | 3206280 |
| gttgcttggt  | atatgtagac  | agccaatcca  | acgctatatt | tcttatgcaa  | tgcagaaggt | 3206340 |
| atgtttatcg  | gaagaacaaa  | agaatatata  | aataaaaaag | ccccgattct  | taaaagaacc | 3206400 |
| agagctttcc  | aaatttctct  | ttctaaaaga  | gcggtgcgta | cgggactcga  | accctgacc  | 3206460 |
| ccatgcgtga  | caggcatgta  | ttctaaccac  | ctgaactaac | gcaccattaa  | gttttttggt | 3206520 |
| ttgttgcttt  | ctctctcgat  | tgcggttgca  | aaggtacgac | tttttttgaa  | acctccaaat | 3206580 |
| attctgccta  | actttttctc  | atttttcttc  | atttttctgt | caaaatatga  | ctaaaactgg | 3206640 |
| ccttatatgc  | tctaaagccc  | tctttttctc  | ctttatttac | ccagacatcc  | cattgtaaac | 3206700 |
| ctgctgatgt  | ttacataga   | atgtgtacaa  | aagatttttg | aatttgtaca  | aatttcaata | 3206760 |
| tcgtttgtac  | aaaagatcgt  | agaaaagcct  | ccatcttttt | caaaaaaata  | aaggctgttg | 3206820 |
| cccgaacaca  | acagctcac   | agtgtagaaa  | tgcaaatatg | actaactttt  | attattttat | 3206880 |
| acgtttatat  | ccataaacag  | ccaaatcgcc  | caactcttcc | tcgatacgtg  | acagttgggt | 3206940 |
| gtacttagcc  | atacggtcg   | aacggctcaa  | ggaaccggtc | ttgatctgac  | cactattcgt | 3207000 |
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| aatctgattc  | accttaatca  | gaatagagtt  | ggcgcatccc | agttcaatcc  | ctttcgaaag | 3207180 |
| gaattctacg  | tttgaacga   | acaagtcac   | acctaccaac | tggcagcgtc  | ctccgatacg | 3207240 |
| ttctgtcagt  | ttcttccagc  | catcccagtc  | gttttctact | ataccgtctt  | cgatggagtc | 3207300 |
| gatagggtat  | ttgtctgata  | gttcttccag  | ataagccacc | tgctcatccg  | atgtacgctt | 3207360 |
| ctttcccttt  | tcaccttcaa  | agattgtata  | atcgtatagc | ccatccttat  | aaaattcaga | 3207420 |
| cgaagcacag  | tccataccga  | tcatcacatc  | cttaccgggt | tcatagccag  | ccagcctgat | 3207480 |
| agccgccaga  | atagactcca  | gcgcacctc   | cgttccgttc | agggcaggag  | caaaacctcc | 3207540 |
| ttcatcgct   | acggctgtac  | tcaggcctct  | gtcgtgcaat | actttcttca  | gagcatggaa | 3207600 |
| aacttcggct  | cccatacgca  | gtccttcacg  | gaaagaaggt | gctcctaccg  | gacgaatcat | 3207660 |
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| gtaattggca  | gcagcctttg  | ccacagcaag  | cgaacacccc | agtatggcat  | ttgccccag  | 3207840 |
| atttgattta  | gtttttgttc  | cgtccagctc  | aatcattttt | ttgtcgatag  | cccgtgttcc | 3207900 |
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| caacacacct  | tttccaccgt  | aacgatgagg  | gtctttatcg | cgaagttcca  | acgcttcatt | 3208020 |
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| tacttcaacc  | tctacggtag  | gatttccacg  | tgaatcgagt | acttcacgtc  | ctataattgc | 3208140 |
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| aaattctgaa  | agacagcaca  | ataccttaaa  | ataggtat   | tttcaggcat  | aaaaaacgc  | 3208260 |
| agaactcgta  | atattaagtc  | ctgcgccatt  | cttgtgcata | tccctatatt  | aataattggt | 3208320 |
| cttcttaact  | tcaaaaatatg | cttgtggatg  | caaacatgca | ggacaaaattt | caggagcttc | 3208380 |
| cgtacctaca  | tataagtaac  | cgcagttacg  | gcactgccat | actacttcag  | cgtccttctt | 3208440 |
| aaatacctta  | ccttcttcta  | cattctttgc  | aagagcaaga | tatctttctt  | cgtgtccctt | 3208500 |
| ttcggcaaca  | gcgatttcac  | gatacatctt  | ggcaatagca | gggaagcctt  | cctcgtcggc | 3208560 |
| gatattctgca | aatttcggat  | agtccaaaga  | ccattcttcg | ttttcaccgg  | cagcagcagc | 3208620 |

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| ttctgcaaaa  | atagcagcaa  | tctgttcgta | gccttctttc  | ttagctgtac  | ttgcaaaata  | 3208800 |
| tgtataacgc  | attcttgcct  | gtgattcacc | agcaaataaa  | atgcctaaat  | tcttctcagt  | 3208860 |
| tcttgttcct  | ttgatacttt  | ttcccataat | cgttagttat  | ttaattgggt  | aaacaatgta  | 3208920 |
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| ggcaaaatgt  | tcaaataaat  | atatactttt | gcacttcttt  | ttataattta  | taacaaaacg  | 3209100 |
| gatatatggt  | aaaattagat  | tttcaaccaa | agttgttttc  | tacgttgaaa  | aactatacga  | 3209160 |
| aaacagactt  | tactaccgac  | ctcatggcag | gtattatcgt  | aggtatagta  | gcattgcctc  | 3209220 |
| ttgccattgc  | gttcggtata  | gcttcaggag | taagccctga  | gaaaggattt  | atcacagcga  | 3209280 |
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| ctattttttac | aactcagata  | gcggatatct | tcggtttgca  | gttcggagggt | gaaaagggttc | 3209580 |
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| aaaaaatccc  | cggctctctg  | gttgccatca | ttctggtaac  | agtcggcgta  | tatctgttga  | 3209760 |
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| ccaacatcaa  | caacggagggt | aaatcaccgg | ttgcagggtat | cgttcatgca  | gtggtattgt  | 3210120 |
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| tccacaacct  | gacaacgttg  | tgtgaaatgt | cgcaaaagga  | aaatatacat  | atcattcttt  | 3210660 |
| cgggagtaaa  | cgaacgtgta  | catgccgtac | tcgaaaaatc  | cggcttctat  | gaattgctgg  | 3210720 |
| gtaaagaaaa  | catttgcagt  | aacattaacg | aagcactgga  | agtcgctaca  | aaagaaatag  | 3210780 |
| cagagttcaa  | taaggctaaa  | aagtaagggc | tatagtgtta  | aaacctttta  | gcgaataagc  | 3210840 |
| ggaacttatt  | aaaacatggt  | ataaagcata | gattttaata  | agtttcgctt  | gtttgtttcc  | 3210900 |
| agaaagtccg  | tatctttgca  | ttgtgttttt | catagtatta  | gatttaagggt | taacaaagggt | 3210960 |
| tggagtacag  | cggctactcct | tttttatgtc | cttttgtgaa  | gaaaccgtcc  | attatatgaa  | 3211020 |
| aaaagctacc  | ccaaacattc  | tttgagatag | ccttctttca  | atactcaa    | atcttctttt  | 3211080 |
| taataagatg  | ccgtagcact  | taaaccgct  | tccttgagca  | ataccacaat  | acgatccaat  | 3211140 |
| tcttcgtgtg  | tagccttttg  | caggaaatgg | tcaggagtgt  | cacgggtctat | cgtatagatc  | 3211200 |
| atgacctgac  | ggggagcaat  | ctgttttaca | acttcagcc   | atggtaatac  | aaaacggtcg  | 3211260 |
| gaagtattgt  | ctatatccaa  | accttcgctg | gttttgctt   | tcataaacat  | ggtctgaatg  | 3211320 |
| atcaagttac  | ccttaaaggc  | tttcaatcct | tcgataatct  | tgtttacatc  | gtaagctccg  | 3211380 |
| gtaggtcggg  | ctaccggttg  | aatatactcc | gcattccacc  | tatcgagctt  | taatattgta  | 3211440 |
| ttatcgtatc  | tattcaatgc  | ttcgaacacc | ttttccttgt  | gaataaacgt  | agaattactc  | 3211500 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| aacacactga  | cttttgcatt | cggaaaatac | ttatcgcgca  | atgccaaggt  | atcttctatg  | 3211560 |
| atttccggga  | aatgcggatg | agcggtaggt | tctccattgc  | cagcaaactg  | caagacatca  | 3211620 |
| ggaacaggac  | cattggcctg | catatcaatc | aaacgctttt  | ccaaggcttc  | acgtacttct  | 3211680 |
| tcgcgagtag  | gaagtttctg | tttcggccga | tgatctttat  | tatatccgca  | ttcacaataa  | 3211740 |
| atacaatcga  | acgtacaaaa | cttaccgctg | gcaggaagca  | ggtttattcc  | taaagaaact  | 3211800 |
| cccagtcgac  | gactatgaat | gggaccaa   | attggagaag  | gataaataac  | tgttgacata  | 3211860 |
| agtcgtatta  | gttttagttt | atgaacaaaa | gtacacaata  | tattcttatt  | accacttcac  | 3211920 |
| tttcagctgt  | aattgtatat | ccgacttacg | gtttccttgt  | atcttctctg  | ttcccgaact  | 3211980 |
| gatccggtca  | cgatctttat | aataagtcaa | tccccatttt  | ccctgaatta  | tcaaccgatt  | 3212040 |
| cttataactg  | tatttcaaat | tgactgacca | acggctgcct  | cttcataaaa  | aggaagggtat | 3212100 |
| ggaaaaagca  | tacaataagc | ccggttcata | catataaaca  | cgtgaatcat  | aactttgtgt  | 3212160 |
| tcgaaaccag  | gctccactac | ataaaatctg | tactgggtaca | aaagataggc  | ttgtaccag   | 3212220 |
| cgtcccgtta  | ataaaacctc | cggtcgaaga | tgatccgaat  | ttataagcta  | tatgcacgta  | 3212280 |
| ctcggttgca  | gttttcaacc | agaatttttc | acagggttta  | tacgatagtt  | gataatgcag  | 3212340 |
| acgctggcga  | atataaggca | atacatat   | tttctcatcg  | gctgaagtat  | agttcttcgc  | 3212400 |
| tttattctta  | tagctatact | ttatcaacat | agccagtga   | ttaatagggtg | aataactcaa  | 3212460 |
| ctggcataaaa | ccatcgaaac | cggatgtatg | atctttatcc  | acttggtatc  | ttcgataaaa  | 3212520 |
| gaaatgaaag  | aaatcgccat | aacatgcaat | cttcagcttg  | ctgaagaaac  | tggattccag  | 3212580 |
| ccctatataa  | ataccggttt | cattctgtag | cttggaaatt  | tctccaaaag  | catctgcata  | 3212640 |
| aatagcttga  | tatcgtttat | cataataccg | gttaataagt  | aagaaacttg  | tatgaacagc  | 3212700 |
| cggatgaataa | ctcaacatat | tcagtgtagc | aaccttacc   | gatttatcga  | aagcagtttc  | 3212760 |
| tcctgaaaaa  | ataaatttgt | ggaaaaagat | tttataattc  | attccgatat  | tgaaaaaata  | 3212820 |
| tcgtccacga  | ggataatata | aattataagg | acgaaagtcg  | ggattcaaca  | ctttgttgaa  | 3212880 |
| aacagtataa  | acacctgtta | aaccaagttc | aaacaacttt  | tcatttatatg | ataaattact  | 3212940 |
| accaaccaac  | tgattattga | ttgtattctt | cttttccata  | tcctttttca  | accgatgata  | 3213000 |
| tccatctgtt  | ttcaacgatc | ttataaacac | accttctatt  | cgtgcaccc   | gtttacgaaa  | 3213060 |
| cgaatagaaa  | gcagataaag | tccatcgttt | tttcaatgta  | taagtagcag  | ctattccttg  | 3213120 |
| taaatagttg  | ctttctcctg | tagaactata | tttgagatt   | ccttttccaa  | accgattcat  | 3213180 |
| acttccagac  | aatcccgatt | ttcccagact | gaatcctccc  | gtgttgataa  | ccagtccata  | 3213240 |
| tccaaagtct  | actcgataat | tacatatcgc | caatgccttc  | agcttatcta  | cgtcttgtaa  | 3213300 |
| gaatacataa  | gcagcataaa | aatcatatcc | ttttttattg  | tacttactga  | agaaagggttc | 3213360 |
| tccggcatct  | ttctcggctg | taaatcccat | atataactga  | tttcgaaact  | gaaaccgata  | 3213420 |
| acgcagatta  | tgataaaccg | gatctccata | atacttacgg  | ttgggatatt  | tctctaaagt  | 3213480 |
| ttccttatca  | taatcagcat | agccggattt | catgtacaat  | gggatatcca  | cacgtgttaa  | 3213540 |
| caactcctgt  | ttattatgtt | tcaacacgtc | tttccaataa  | aacttatctt  | cctctttatc  | 3213600 |
| agactttcca  | atataaataa | aatcttccag | aaactttctg  | gtttgccagt  | ccattccttc  | 3213660 |
| tactcccaac  | agttctttct | tactcacat  | cggatccatat | ttatatatat  | aatacaagat  | 3213720 |
| atcttctatc  | atcttatcag | aaagaaaagg | caattgttcc  | aattgttcct  | tggtgatcgt  | 3213780 |
| attgatattg  | aaaggatgct | ctgccagttc | actcagagat  | tcataattgtt | cttgccattt  | 3213840 |
| actaatatct  | tctgcctcgg | aaatatcttc | tttccattct  | acccaattag  | actgagcttg  | 3213900 |
| taagtcaaaa  | accgaataac | taattaatat | acagagtata  | aatatcttta  | tttaatacctt | 3213960 |
| gttcacagct  | tttcaacaac | ctttataagt | taaaaattcg  | tattatcaag  | acatggcttc  | 3214020 |
| attattatgc  | gtattttttg | gagcatgaaa | aatagtgtat  | acataattact | atcttctgctg | 3214080 |
| gttgctttta  | cactgaaagc | caatgcacaa | aagcattctc  | catcgaacac  | caagggatat  | 3214140 |
| atgggtcccg  | tttgtgtata | tcaggagat  | actatacctt  | gtataacgct  | aaaaaacata  | 3214200 |
| tatgtatacc  | ctagactgag | atttaaaaac | aaaaaacaag  | agaaatatta  | ctacaagtta  | 3214260 |
| gtccgagatg  | taaagaaaac | acttcccctg | gcaaaggaaa  | taaacagggc  | tgtgattgaa  | 3214320 |
| acatacgaat  | atttacagac | tcttcccaat | gaaaaagccc  | gtacacgcca  | tattaagatg  | 3214380 |



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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
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| gggaaattac  | tgattaagct  | agtaaacagg  | gaatgtaacc | agtcgtccta  | ccaattggta  | 3214500 |
| aaggcattta  | tgggaccgtt  | caaggcagga  | ttttatcaga | catttgcagc  | tctgtttgga  | 3214560 |
| gcaagcctga  | aaaaagaata  | tcatcccgac  | gatgaagaca | agatgataga  | aagagttggt  | 3214620 |
| acactagtag  | aaaacggaca  | actataacta  | taatgataat | caataaatta  | acaagttatc  | 3214680 |
| aataaggtta  | tcaacaaaga  | ataatacctt  | attcctccgg | tagcaggaa   | aaggtattac  | 3214740 |
| ttatacttat  | ttcatcattt  | tattggcaaa  | ttcccataga | acaatacctg  | cggtaaccca  | 3214800 |
| aacattcagt  | gaatgcttgg  | taccatattg  | aggtatctca | atacacccat  | cacacatgtc  | 3214860 |
| tactacttcc  | tgctgcactc  | ccttcacttc  | gtttcccat  | acaatagcat  | actttttatc  | 3214920 |
| agcatccaga  | acgagttgat  | ccagcatggg  | actaccttca | cactgctcga  | tgccaataac  | 3214980 |
| tgtatatcca  | tttgcataaa  | gctcatctac  | agcatcttgc | gtacgtttgc  | aatattttcca | 3215040 |
| atcgactgta  | tattctgctc  | ccaaagctgt  | cttgtgcatt | tccggatgag  | gaggtgtagc  | 3215100 |
| cgtaattccg  | cacagataaa  | tacaattaac  | caaaaaagca | tccgatgtac  | ggaaaacagc  | 3215160 |
| ccctatgtta  | tgcaggctac  | gtacttcgtc  | cagtactact | accagcggaa  | gttttcttgc  | 3215220 |
| ttccttaaat  | tcttcaaccg  | acagacggtg  | catttcggtt | attttcagtt  | ttctcaattc  | 3215280 |
| agacataatt  | tactctttat  | tccgttcaca  | aagataggaa | actatattta  | taaccttgtt  | 3215340 |
| gaaaacggtg  | gaaaagggtg  | aaaaaaccaa  | atcaaagaaa | atgaaaaata  | aatcttgcac  | 3215400 |
| tatccaatga  | aaacattata  | acttccagaa  | aaagaacaat | acaagaaact  | taacagaaag  | 3215460 |
| tttcatcagt  | agtttaaaaa  | tattttttag  | ctgaaaatcg | gaagtaaata  | agtggaaagt  | 3215520 |
| ttttaacttt  | gcgataatc   | aacaaatggt  | taatagaaac | agtaaaacta  | ataatatcag  | 3215580 |
| gatataagct  | tgtaaatggc  | tatctaatat  | ctccttatcg | aatattttata | acctaataaa  | 3215640 |
| caagaaatct  | ggtattcttt  | ttactaacat  | aattaacgcc | ctattataac  | tatcatatat  | 3215700 |
| tctttcaaaa  | aagaagaaaa  | aatataatct  | aataatgaat | aaagaagaat  | ggttgaaaaa  | 3215760 |
| gggttatgtg  | actgaacccg  | tagataaggc  | tctcgatttg | aaagctgaaa  | ttgacaagtt  | 3215820 |
| gcgtaaagag  | aaaaacgcag  | tcatcctcgg  | gcattactac | caggctgacg  | aaatacagga  | 3215880 |
| aatagccgat  | tttatcggcg  | atagtcttgc  | acttgcccag | tgggcagcaa  | agaccgatgc  | 3215940 |
| tgatatcatt  | gtaatgtgtg  | gagtacactt  | tatgggagaa | acagcaaaga  | tattgtgccc  | 3216000 |
| tgataaaaaag | gtcctgatac  | ctgacctgaa  | tgccggatgt | tcacttgccg  | acagttgccc  | 3216060 |
| ggcagataaaa | tttgcctcagt | ttgtcaaaga  | acatccagac | catacgggta  | tttcatatgt  | 3216120 |
| caataaccagt | gcagctgtaa  | aggccgtaac  | tgatgttgtt | gtgacttcta  | ccaatgcaaa  | 3216180 |
| gcaaatagta  | gaaagttttc  | caaaagaaca  | aaaaataatc | tttgggtccg  | ataagaattt  | 3216240 |
| aggaaattat  | atcaactcta  | ttactaacgg  | gaatatgtta | ctttgggatg  | gagcatgtca  | 3216300 |
| tgtacatgag  | aaattctctg  | ttgaaaagat  | tatagagttg | aagaaacaat  | atccggatgc  | 3216360 |
| ggatgtattg  | gtacatccag  | aatgtaaagg  | agcagtagct | aaactggccg  | ataaggtagg  | 3216420 |
| atcgacagcc  | ggattgttga  | aacatgccat  | ggcaagtgat | aagaaaaact  | ttatcgtggc  | 3216480 |
| tacagaaaagt | ggaattcttt  | atgagatgag  | aaaaaaatgc | ccggataaga  | atttttattcc | 3216540 |
| ggctcctcct  | gaagatagta  | cctgtgcatg  | caatgaatgt | aacttcatgc  | gtttaaacac  | 3216600 |
| actcgaaaaa  | ttgtataata  | cattaaagta  | cgagtggcct | gaagtaaaaag | ttgataatga  | 3216660 |
| aatcgctgaa  | aaggcagttc  | ggcctatcaa  | gaagatgttg | gaaattttctg | ccaagctcgg  | 3216720 |
| attgtagggt  | aattgttaaa  | aagagagtga  | taaagatagg | cttttcttaa  | aacgtgttat  | 3216780 |
| aaagcatatt  | tttatcactc  | ttttttttgc  | ttgttttcta | aatgtccgta  | tctttgcact  | 3216840 |
| gtgtttttca  | tagtattaga  | tttaagggtta | acaagggttg | gagtacagcg  | gtactccttt  | 3216900 |
| ttttatgtct  | atgtgttcca  | aaaatatattt | tgaataccag | ttattccact  | tctttggtcg  | 3216960 |
| ttttttacct  | ttccttattc  | agctcatcgc  | ataattttgc | atatagaatt  | ttaaatctta  | 3217020 |
| agtcgatgaa  | aaacaaatta  | atcaagcatt  | tcagtattgt | tagttttatg  | ctgatgatac  | 3217080 |
| tctgtgtgca  | aagtattttc  | gcacagaaaa  | gaaccgtttc | tggtattgtc  | actgattcaa  | 3217140 |
| aaaatgagcc  | tcttatcgga  | gttaatgtta  | ccattaaaaa | tgcttctact  | acaggaacta  | 3217200 |
| ttacagatat  | ggatggtaag  | tatacatag   | atgtaccatc | gaatagttct  | gtattggtat  | 3217260 |

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| ttgttttaaa  | ggatgatatg | caggcttttg  | aagaggttgt  | ggtagtaggg  | tatggtacaa  | 3217380 |
| tgaaaaaatc  | cgatttaaca | ggttctgttt  | cttctataac  | aagtgataat  | ttcaaattgg  | 3217440 |
| gtactgacct  | tactccacaa | caattgatgc  | agggagcatt  | ctcaggtgtc  | aatataagtc  | 3217500 |
| aaaatagtg   | taagcctgga | ggttctaaca  | caattcgtgt  | acgtggaggt  | acatctatta  | 3217560 |
| cagcttcaaa  | tgatcctttg | tatgtaattg  | atggagtacc  | tatttcaacc  | tcagctggag  | 3217620 |
| taaatcaaa   | taatataggt | tcttctacta  | ccgatttttt  | tgaccaagaa  | cctattaatc  | 3217680 |
| cgctttctaa  | tattaatcca | aatgatattg  | aatcaattaa  | tatcttaaaa  | gatgcttctg  | 3217740 |
| ctacagctat  | ttatggttcc | agaggtgcta  | atggagttat  | tatgattact  | acgaaaaaag  | 3217800 |
| gaaaggctgg  | aataagacaa | ttagattata  | gttttaattt  | aggtatctct  | aatggttgcta | 3217860 |
| aaaaactgga  | tgttttaaca | ggtgatgaat  | atcgtaatat  | ggtatctgaa  | ttaggtctga  | 3217920 |
| ctttagatga  | taaaggagaa | aatacggatt  | ggcaggatgt  | aatttttcgt  | actgcaatca  | 3217980 |
| gtcaaaatca  | ttatgtttct | tttatgagtg  | gtagtgaaaa  | cactagtatt  | cgtgcttctg  | 3218040 |
| ctggatatag  | caatcaaaat | ggtattatgg  | aaggttctgg  | tatgaaaagt  | gctaattgctc | 3218100 |
| gtgtgaatat  | taaccataaa | gctttaaacg  | ataagttaaa  | gctaaatatg  | aatatcagtt  | 3218160 |
| atggagaaaac | taattcagat | caagcgctg   | tatcaaatat  | ggtaggtagt  | gagatgggta  | 3218220 |
| gtagtatgtt  | gtatgaagct | tatgttttta  | atccgactta  | ccctattttac | gatgaagatg  | 3218280 |
| gtgattatta  | tgacgtgcct | ccatatcgtg  | taaatcctgc  | ttctttttct  | aaagaactgt  | 3218340 |
| tggatgaacg  | tgctacaaat | caattcttgg  | gaaatcttac  | tgctgattgg  | aattttttata | 3218400 |
| aagcttttac  | cttacaagta | aatgccggtt  | ataacaagaa  | tacaataaat  | cgtaattctt  | 3218460 |
| atatttcaaa  | gagtaattta | ttgggaaatg  | gtaataatgg  | gtatgtaacc  | gtacagaaac  | 3218520 |
| tatctgatta  | ttcgaaactt | ttagaaacta  | tattgaaata  | taatcaaagt  | ttcggaagc   | 3218580 |
| ataacattga  | cgcaatggtt | ggatattctt  | ggcaatattt  | ttatagtga   | ggtcagacaa  | 3218640 |
| cgaaggccta  | tggattttta | tctgataact  | ttaaatggta  | tagcttggct  | gctgctcaaa  | 3218700 |
| cagttgagtc  | tattagtagt | tatgcggaat  | gtaatacatt  | gatattctatg | tatggacgtg  | 3218760 |
| taaattataa  | ttatgcagat | aaatatttat  | tgacagcaac  | aattcgtcgg  | gatgggttcta | 3218820 |
| gtcgttttgg  | ctctggtaat | aaatggggaa  | tattcccttc  | tgtggcagca  | tcgtggcgta  | 3218880 |
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| tcggtattac  | aggtagtcag | gaaataggta  | attataattc  | tttaagtact  | ttgggagcaa  | 3219000 |
| gtacaaatgg  | ctatttagta | ggaggagaaa  | aaataactat  | agtattacc   | cagcaatata  | 3219060 |
| ctaactcctga | cttaaaagtg | gaacagacgg  | ctcagactga  | tataggcatt  | gatttccgat  | 3219120 |
| ttttaaatgg  | aaaaattaga | ggtagcatag  | attattatta  | taaaaagacg  | accgatcttc  | 3219180 |
| ttttatctgt  | ggcagttcct | tctccttcac  | tgattactac  | acagatagca  | aatggttgga  | 3219240 |
| ctgttaccaa  | tcaaggtatt | gaattagatt  | tgctatttga  | tttaatgcgt  | acaaaagatt  | 3219300 |
| ttgcttggga  | tgctaattta | aacttaagtc  | ataataaaaa  | tgaggttgta  | agcttgtcta  | 3219360 |
| atgggcaatg  | gacaggagat | aatatgcaag  | ttgctccgtg  | tcaaggacaa  | ggtttatctg  | 3219420 |
| gtacatatgc  | tcaattaatt | atgcctggtg  | aaccgattgg  | gacattttat  | ggtaaaccgt  | 3219480 |
| ttattggtgt  | agtggatgga | gtagaacaat  | ttgctaacga  | tggagaatcg  | gaagttatag  | 3219540 |
| gttggtgctca | accagatttg | acatttggtg  | taggaacgaa  | ccttcaatat  | aagaattgga  | 3219600 |
| cattaggatt  | gaattttcga | ggaagcatag  | gtaatgatgt  | atataactgt  | acagccaaca  | 3219660 |
| atttagctta  | tttaagtaat | cttcctggta  | gaaatgtgct  | taaagaggct  | gtaacgtcag  | 3219720 |
| gagtaaatcg  | tgatcaagca | aaagtttatt  | cttcgcgatt  | tatagaagat  | ggttcttttg  | 3219780 |
| tgcgtttaga  | caatatttct | ttgggggtata | atttttagttt | acctaaatta  | tatatttcta  | 3219840 |
| atgctagagt  | atttgtttct | gcacaaaatc  | tgtttatcat  | tacaggatat  | tctggtgctg  | 3219900 |
| atcctgaagt  | taattcagaa | atatcacgta  | caggagttgc  | tccattagga  | gttgattatt  | 3219960 |
| taagttatcc  | taaagctagg | acatttagca  | tgggtattaa  | tctttctttc  | taacaataaa  | 3220020 |
| aagtaagtat  | atgaaaacaa | aaaatataat  | taagttaata  | ttcttatcat  | tcttaggagt  | 3220080 |
| tagtccttta  | acttcttgtt | tggatcttga  | tgaagaatta  | tatggtagat  | tatctcctga  | 3220140 |

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|             |            |             |             |            |             |         |
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| aacttattat  | caaacagaag | aagaggcatt  | atcttcagtt  | gttggtgttt | attcgtatct  | 3220200 |
| ttcgtatatg  | tcaagagctg | gaggtgatgg  | atggcgaatc  | ggggaatttg | gaacagatga  | 3220260 |
| attcttctgt  | ccaggcagag | ccagtggagg  | atggatgat   | gaaggaata  | tggaaatgat  | 3220320 |
| gtcacataaa  | gtaacaccta | ataatgaacg  | tatagctact  | tgttggggaa | cttatgtgtt  | 3220380 |
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| aacggcagag  | tgggataaag | ttgtaacgat  | gtgtgataat  | gtgattggta | caaattgtta  | 3220800 |
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| ttattgtttt  | acagatgaag | cattgaacag  | atatgaagaa  | ggtgatgaac | gttttagagtt | 3221040 |
| acttgaatat  | gggccacaat | attatcaaga  | tggagtaaca  | cctttgtgtg | atgaaaatgg  | 3221100 |
| aaatcagtta  | gttttaacca | ctatcaaaga  | tatgatttct  | gcacaagaaa | atgagggata  | 3221160 |
| tcgtgtattg  | aaatattctc | ctattggagt  | tgtctgggcc  | ggaagtaagg | gagataatga  | 3221220 |
| ttatgtttta  | gagcgttact | ctaattgtact | tttaatgaag  | gctgaggctt | tatttcgatt  | 3221280 |
| gaatcaagac  | ttagatgttg | ctttagaatt  | ggttaatgaa  | gtgctgcgtc | gtagtaattg  | 3221340 |
| ttctgaatgg  | tctgatttga | ctttgcagaa  | aatagaagag  | gagcgtgctc | gtgaatttat  | 3221400 |
| ttgggaaaat  | caacgtagac | gggatatgat  | tcgttttggg  | tctttcttca | ataataacttg | 3221460 |
| gttttataaa  | actgaaaaaa | cagaatcttg  | gagaggaata  | tatcctatac | cagctattca  | 3221520 |
| aataacaaac  | aaccggaatt | tggaaacaaa  | tcctaattac  | tgatgattta | taatgaccaa  | 3221580 |
| gttacaatat  | aaatatattg | tagcttggtc  | ttaaattttt  | aatattatga | aatttatatt  | 3221640 |
| ggggctaata  | tgtatattct | tttctattga  | agctttttct  | gaatctacat | attataaagt  | 3221700 |
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| ggttattccg  | gccgcatggt | gtaatataag  | tctgatagga  | gatgatccga | caaataccat  | 3221880 |
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| cttagttggc  | gaaaacggag | cataccacc   | cacttagaac  | ggcataatcc | accacaaatt  | 3222000 |
| attgctaata  | tgggcttgaa | aagggcataa  | aaaacggagc  | atatccgttc | atttttgcta  | 3222060 |
| aaaaatgcc   | aaagtcgctc | aaaaaacgga  | gcataatccg  | tcagtggttt | gtgattacga  | 3222120 |
| taaaatatcc  | gttttactat | acaaaaatcg  | gagtatatcc  | gttcagtgat | ggaaatgtaa  | 3222180 |
| taatacaata  | atcagttggt | tacattcgga  | aaacggagca  | tatccgttca | ctttctcata  | 3222240 |
| gaaacgacga  | tgcctgcata | aaaaacgggg  | catgtccgtt  | cactttccac | tctttcccgt  | 3222300 |
| atcttgatg   | cagaatataa | tcttcataca  | atacgactat  | ggcaggaaaa | agtaagaata  | 3222360 |
| tgagccagat  | caaacaactt | cttctattaa  | agaagaatgg  | agtctccaac | cgcaaggctg  | 3222420 |
| ccgatataat  | cggcatgaac | aaggagacag  | tgaacaacta  | catgaacaag | gtcagcgctg  | 3222480 |
| acagcctgag  | ccttgatgaa | cttatcaggc  | tggacgatcc  | cattcttgag | caccgtctca  | 3222540 |
| agggcggcaa  | tcctgcatat | agtgacaaac  | gctttgaaac  | attcaaaacc | cttcttccat  | 3222600 |
| atcttcagga  | ggagatgaag | cgcaagcatg  | tcacgctgaa  | gcttcttttg | gaggaatacc  | 3222660 |
| gtaatgagca  | tcctgacaac | cactacagcc  | tgacacagtt  | ccgttttcat | tacaaacaga  | 3222720 |
| acacagaggc  | cggaaaggaa | tcgccatcta  | ccatacttgc  | tgacatgctg | actggcggtg  | 3222780 |
| aaaagctttt  | cctcgatttt | gccggtgata  | ccatgggata  | cgttgatatg | gaaaccggtg  | 3222840 |
| aggctgcca   | gtgccaggct | ttcgtagcca  | ctctgcctgc  | aagcgactac | ggttatatcc  | 3222900 |
| tcttcgtacg  | ttcacaacgc | acggaagact  | ttgtatatgc  | cataacacag | tgcctgaaac  | 3222960 |
| atcttggcgg  | cgtaccaaag | atgcttgtcc  | ctgacaacct  | taaagctgcc | gttgtcaaga  | 3223020 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
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| cggatcatcat | accggcacgt  | cccgcacacc  | caaaagataa  | aagcaacgtg | gaagggaccg  | 3223140 |
| tgaggcttgt  | ctatatgcgt  | gtgtttgccc  | aactccgcaa  | tgaacacctt | cattcactgg  | 3223200 |
| aagagcttaa  | ccgggcagcc  | tcgctcaaaa  | tgaagcgca   | caaccagaaa | cgcatgcaga  | 3223260 |
| agcatcctta  | cacgcgtgag  | gaacgggttc  | ttgccgtaga  | caggccaaat | cttatgccgc  | 3223320 |
| tgcttgacag  | ggattttgag  | attgtgtcat  | ataccgattt  | gaaggtgtca | accaactgct  | 3223380 |
| gtatctatct  | cggacgtgac  | cagcactatt  | atacagtgcc  | gtatcagtat | atatccaaaa  | 3223440 |
| ctgcacatgt  | tgcatataca  | cgcacactgg  | taaaagtata  | tgtggacggg | gaacttgtag  | 3223500 |
| ccactcacat  | acgtgattac  | aacaggggaa  | agtatactat  | tgtaaaggag | catcttgcaa  | 3223560 |
| gcaactcccg  | ggaatacaga  | ggaatgagtg  | caaaatcata  | catagagcgt | gccgagcgtg  | 3223620 |
| catccggcat  | acttgagat   | gtaatccgcc  | gcatatttta  | ttcttccaca | atgcctccgg  | 3223680 |
| agactcatta  | caagacctgc  | gacgggcttc  | taaacctgca  | aaggagcagt | gatccggccg  | 3223740 |
| ttttccagaa  | agcctgcgag  | acagccctga  | acgtagacag  | atgcagttac | cgctttatac  | 3223800 |
| gctcactggg  | ggaaagcaag  | tgtgccgggt  | tggggcagcc  | tacatcttcc | tttgctcctc  | 3223860 |
| cgcaacactg  | taatatccgt  | gggaaatcac  | agttcaaagt  | acagacttct | aacactcaaa  | 3223920 |
| accaataacg  | atggatgaaa  | ttatcaatgc  | tctaagaaac  | cttaagatgc | ccggaatggc  | 3223980 |
| acattactgg  | gctacgatgc  | aggagacgcg  | acaggcagag  | tcgctctcct | tgaaggacgg  | 3224040 |
| cctgcaactg  | cttatacagg  | ccgaactgga  | taaccggaat  | caaagccgga | atgcccgctc  | 3224100 |
| gataaaaaaa  | gcacacttcc  | gttatcacgc  | ttccataagt  | gaagttatat | atgacagcaa  | 3224160 |
| gcgtggcgta  | gacaagcaga  | aagtgcctaa  | tcttgccact  | tgtgactatg | tgaaaaacgg  | 3224220 |
| gggtgtccata | cttattacgg  | gagcttccgg  | tacaggtaaa  | agctggttgg | gtacagcggt  | 3224280 |
| tggtcatcag  | gcctgcatga  | acggacataa  | ggttgccctat | tataacctgt | acaggctctt  | 3224340 |
| cgaggaaaata | agccttgccc  | gcatatccag  | taccctgcat  | cgtttcttcg | ccagggttggc | 3224400 |
| acagactgat  | ctgcttatac  | tggacgactt  | cggtatgaaa  | gttcttgacg | gacaacagct  | 3224460 |
| gcttgacttt  | atggagatta  | tagaagaccg  | acatggacag  | aaagctacta | tcatcatatc  | 3224520 |
| acaactgccg  | gttgctaact  | ggtacgatgt  | gatgaaaggc  | aacacgactg | cggctgatgc  | 3224580 |
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| tcaaaaaaaaa | catccaaaat  | ataacattac  | agacgaaaat  | caataaaatt | gcatcgccat  | 3224700 |
| aggtttagag  | gatgaaaagt  | gaacggatat  | caccgttttg  | ggtgaacgga | tatcaaccgt  | 3224760 |
| tttcagcact  | tagtgcattg  | tgatgggtgt  | cgtttagaaa  | atctgacaat | cgagaactct  | 3224820 |
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| ccagcttcac  | atccatttgg  | atataatttt  | aatagatgta  | aattgacagg | agacgataat  | 3225120 |
| ttaaacgttt  | atttagggcg  | tccatggcgt  | gaagctgctt  | atgctttatt | tatgaactgt  | 3225180 |
| tatatgggaa  | aacatattcg  | tcctgaaggt  | tggcataatt  | ggggaaatcc | taagaatgaa  | 3225240 |
| cagactgctc  | gttattttga  | atataataac  | aaaggtacag  | gagctgatat | ttctagacgt  | 3225300 |
| gtatcttggg  | cacgagtttt  | gactcacaat  | gaagctgacc  | gtataaagat | tgatatttgt  | 3225360 |
| tttccagatt  | taaaagaatg  | gagttcttat  | catactgtag  | agactgaaaa | ataatctgct  | 3225420 |
| ataaggaaaat | accaacttga  | tcattgcaag  | ttgtatttcc  | ttatataaat | gaggctataa  | 3225480 |
| taaatattac  | ttatcaatgc  | tatttttgta  | ttcggtagga  | gatattccat | aagcttggtt  | 3225540 |
| aaaacatttg  | ctaaaataat  | gcgcattcatt | gaatcctgtc  | atataagcta | tttctgaaat  | 3225600 |
| attgtactct  | ttacttttcta | ttaattgtac  | agctcgcttc  | attttcat   | gttttaagaa  | 3225660 |
| gtcaatagga  | gattgtcctg  | ttatactttt  | caattttctg  | aaaaaattag | aacgactcat  | 3225720 |
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| tattttggaca | agtttatcca  | taaatttttg  | atccgatgcg  | gatagtatag | gtatattttc  | 3225840 |
| tttttcgaca  | gatttttttt  | ctgcctttga  | aggaaacaat  | gtttgacaat | agatatgttg  | 3225900 |

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| aggTTtagta  | atataatcat  | ctgcgccata  | ctgcataccc  | tctatTTTtac | tttcaataga  | 3226020 |
| tgatttggca  | cttagcaata  | taataggaat  | atgactgggt  | gactcattat  | tctTTtagctc | 3226080 |
| atttaataac  | tctattccat  | TTTTgtgagg  | catcataata  | tcactaatga  | taatgtctgg  | 3226140 |
| tagttgttca  | taagcaattc  | ttataccagt  | ttctccatta  | tcagcttcta  | ctatattata  | 3226200 |
| agattctggt  | aatattgttt  | taagaaaact  | acggagttcg  | ttattatctt  | ctactagtaa  | 3226260 |
| gattaagttc  | ttgttatctt  | ctatTTTctg  | ttctggctta  | tcggaaattg  | ttatggcagt  | 3226320 |
| atcattatgc  | gttgagttta  | tcgTTTTatt  | cacaatatct  | tcagatacga  | tgaattcagt  | 3226380 |
| attagagtca  | aaatgactat  | tacTTTTttg  | taaagtgaca  | gtgaaacaac  | ttccttctgt  | 3226440 |
| aggTtgactt  | tctacagtaa  | tggttccatg  | atgcatttct  | acaagttctt  | tggTTaatga  | 3226500 |
| caaccctatt  | cctgtactct  | cttgagtatg  | tatatgctga  | tcggagaagt  | tttcaaaacg  | 3226560 |
| gacaaataaa  | cgTTTTaatt  | ggTTTTtagt  | cataccaaca  | ccttgatcta  | taatacttat  | 3226620 |
| agatatgatt  | TTTTcatttt  | ctgtaatttc  | tattgttata  | ttctTTcctt  | tgggggtgta  | 3226680 |
| TTtaaaagca  | TTtgatatta  | agttgaaaat  | tattTTTTct  | aatttgtcgg  | tatcgcccca  | 3226740 |
| taagatgact  | gggtattcag  | gagctttaa   | ggataaatta  | atatgttggt  | cgTTtgctag  | 3226800 |
| ataattgaaa  | TTTTctatga  | TTtgacgtac  | aaaggggaaga | agatcgattt  | gctgtacgtg  | 3226860 |
| catttttcatt | TTTTattttt  | gtattTTTTct | gaagtcaaga  | aTTtggttta  | ctaagcgaag  | 3226920 |
| cattcgatta  | gcattccggt  | ctatgatgaa  | tagttgttca  | cgtactTTTc  | cctctatagt  | 3226980 |
| TTtattattt  | aataattggt  | ctaccgggcc  | cgTTatgaga  | gtaagagggg  | tacggagttc  | 3227040 |
| atgagaaata  | TTtgtaaaaa  | aacgtagttt  | tatatctgat  | atctcttggt  | ccatggaaac  | 3227100 |
| TTtgTgtttt  | agtcggtaaa  | tgacaaataa  | aatgtaggaa  | gtaataaata  | TTattgctaa  | 3227160 |
| gatagtcagt  | gcatacaata  | gataagccaa  | tggTgtttcc  | caaaatgaag  | gtaaaatagt  | 3227220 |
| aatgtTTtaag | TTtcgtacat  | tatctacca   | tattccatca  | ctgTTtgtag  | aacgtacttt  | 3227280 |
| cagaatataa  | tgacctttag  | gaagattggg  | ataatttgca  | gaacgttctt  | ttcctatata  | 3227340 |
| attccagttc  | gtttcgaatc  | cttctaattt  | gtaggcgtaa  | aacaggttat  | catgattttt  | 3227400 |
| catatcaagt  | gcagcaaact  | ggatgttgaa  | tgtattctga  | taatgcggta  | atgttatttg  | 3227460 |
| agatacgtca  | tctatatTTT  | tatgaatcag  | gctactatca  | gatgggtgta  | tgattTTTTc  | 3227520 |
| acctgattgc  | aattgtgtaa  | acacaatagg  | aggaatgtat  | ttactgtttt  | gaatagaatc  | 3227580 |
| gggatgaaa   | tagagtgcgc  | ctttaaaggt  | gttgaataat  | aagtagccgc  | TTtgggtagt  | 3227640 |
| tagtgcttct  | ccttcattaa  | acttaaaatg  | cgtgggaaga  | tcccatgatg  | aataagttat  | 3227700 |
| tacttcttta  | gtaaaagggg  | taaatttgca  | tagttcttct  | tctgtagcta  | accacaagtt  | 3227760 |
| gcctTTgggtg | tcttctacta  | tagataaaat  | aacattggca  | ggcaaatgat  | TTtgagtggg  | 3227820 |
| ataagcttga  | aaaagtaggt  | ttccgTTTT   | ccctTTtaaa  | actTTattca  | aacctcctcc  | 3227880 |
| aaaagtagca  | agataaatat  | ttccatttat  | cttgctaaat  | aatatttggg  | gtatgttatc  | 3227940 |
| attactaaga  | ctatTTTTat  | ttgtatcatc  | gtatgtataa  | tgactgaagg  | ttatatcttc  | 3228000 |
| tgcatgagta  | gaagttacat  | ttgttattaa  | tagtccatta  | gttgtgccta  | tccatatatt  | 3228060 |
| gcctatagta  | tctgttgtaa  | cgtatcgcg   | acgattacag  | agatttattg  | gatagTTTT   | 3228120 |
| taaagagtta  | gccgaatgat  | agaatgtatt  | gttatctata  | TTtagattta  | cataattcac  | 3228180 |
| ccctcctcca  | aaagttgcta  | tccacatgcg  | TTtgattttg  | tcctcacaca  | tactatatat  | 3228240 |
| attattgtca  | ctcaggctat  | acatatcatc  | cgTtcgatgc  | atgtaatgag  | ttagtgtata  | 3228300 |
| TTtatatttt  | tgtagaggag  | ttgctataat  | tattccattt  | cTTTTgttc   | ctatccaaat  | 3228360 |
| gcgtccttta  | tggTcttcag  | taaagcaata  | tgctgttcca  | atTTtatctt  | TTTTataaag  | 3228420 |
| agatatagaa  | ccattTTggg  | taagaaatcc  | TTtaaaatgt  | aagTtcttat  | catatatacg  | 3228480 |
| tattgtctgg  | tcctTTtatac | ccatccatat  | attcccttga  | gaatcttggg  | aatttgcacg  | 3228540 |
| tgtataaatt  | tcaagtgatt  | cgttatctga  | tgaagatttt  | tggTataaat  | gaaatggatt  | 3228600 |
| ggTattaaat  | gtaactTTTT  | ctaattccatt | attataagaa  | ccaaaccaa   | gattaccttg  | 3228660 |
| TTtatcgag   | aatattgctg  | taactTTgtt  | ctccgaatcc  | catcctgatt  | gacgttctgt  | 3228720 |
| attgaagaaa  | ggTTTTagag  | tgttagTTTT  | cTTTTcataa  | tatcctaacc  | ctcctcctga  | 3228780 |

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| gactattttg  | ttattatgtc | tatctttgag  | agtaaaatgt  | tttaattgtg  | gagctggatt  | 3228900 |
| gaaggataga  | tgagttactc | ctaattgtatt | ttctaaacgt  | atccaggcct  | catttttgact | 3228960 |
| gtctataaaa  | acatctttta | cataattatt  | tttaagttct  | ttatttgttt  | gagtcgtaaa  | 3229020 |
| gtgtgcagac  | gttccttgtg | gaatgtcgta  | aataagattt  | ccgttatctt  | ttgttccgag  | 3229080 |
| aaataatttg  | tttggaccaa | tactgcgat   | aatgttgata  | tcacttcttg  | tggcagcatg  | 3229140 |
| aaataatgta  | aattgcttcc | tctttttatt  | atattgccaa  | atacttcctt  | tgcttccaga  | 3229200 |
| aaaataaata  | tcagaatctg | tttctatcac  | atcataaaca  | gagttgggta  | atlttgtaata | 3229260 |
| atgaatttta  | tatagagacg | tattgtttaa  | tataacttta  | tagatacccg  | cttgtgaaag  | 3229320 |
| aatccataca  | ttgttttcat | catcctctag  | taaattatac  | actttgtttt  | tagataaatg  | 3229380 |
| atlttttctc  | aaaaaattgt | gagtaaataa  | tglttttctg  | tcagtagagt  | tataagtttc  | 3229440 |
| aataagatcg  | cctgcattgg | ttataatcca  | tgtacgtcca  | tagtgtaatg  | gatgaattga  | 3229500 |
| cttggcttga  | taattagagt | atggaagtga  | taaaaagggt  | tcattttcca  | tatcaaagcg  | 3229560 |
| atatacttgt  | aaatcataac | tgatcatcca  | aagataagag  | ttttctcctt  | ctactaaata  | 3229620 |
| atctattcgg  | ctattattaa | atccactgtt  | attacctttt  | ttatttttat  | aatlttttgaa | 3229680 |
| atgataaccg  | tcaaatttgt | agatgccatc  | ccatgtagca  | aaccaaataa  | aacccttgtt  | 3229740 |
| gtcttgtaaa  | atgtgcatga | tcgttttttg  | gtatagcccg  | tctgatgttt  | tatattgcgt  | 3229800 |
| aaaagtatga  | ggaggttgtg | cacttatgtt  | tagaagtga   | caacatactg  | aaactaaaaa  | 3229860 |
| ataaataaat  | cttatgtttt | tcatgtgtct  | ttaagtgttg  | tgtcctttta  | aaagtlttgct | 3229920 |
| ggtcattgca  | aaaatataaa | tttttaattt  | taagtgtaaa  | gatgattgtt  | gattgttgat  | 3229980 |
| agltttattct | ttatattttt | aaattataga  | attatcgctt  | tctattggga  | tatgtataat  | 3230040 |
| aaatgaggaa  | tataactttt | atcctctgac  | taaaatttat  | cctctgacta  | aaattltgtga | 3230100 |
| ttttctgaaa  | tatttaatta | cagaaagaac  | atcatcataa  | gttgtatttg  | ataataatat  | 3230160 |
| aaaaaattac  | tctttttaac | tcttcacagc  | cttcactaat  | gtatagcaat  | cttgtcatag  | 3230220 |
| gtaacaagac  | tggtaatltt | ttagtgatag  | ataaatgatt  | gtgtgaagg   | cgtggagggc  | 3230280 |
| aaaaacaggt  | gtttttcttt | ttaaaagggt  | cctgaactgg  | tagaaacagc  | ccttcacggt  | 3230340 |
| ccagttgagg  | tgtgcttgtt | tttattcttt  | tactcggatt  | tcgtaatagt  | ttccggcaga  | 3230400 |
| ggagggggct  | ttttaccctt | tttcgcataa  | aatttcatca  | tttttctgtt  | tcggaccgta  | 3230460 |
| ctattacgcy  | gtgtctcgga | aaattttctt  | tcatattttc  | ttcgggtttt  | cccgtgtctg  | 3230520 |
| tcttatgttt  | ttgtacaaaa | ctttcaggaa  | tttgtacaaa  | acaaaatatt  | ttttgtacaa  | 3230580 |
| aaaccggaga  | aaattccggc | atgttttttc  | agcattttcg  | ggatcttttt  | atgcggattg  | 3230640 |
| cggatttttt  | tgcttttttc | tcttgacttt  | tccggtggaa  | aaatccgttt  | ttttaaccct  | 3230700 |
| accgtccgtc  | aatgacagaa | tttattccta  | tcggccgtat  | atlttttcatg | ctlttttctgt | 3230760 |
| atgattcgat  | aaatttttca | gcttcttttc  | ccgtgttttt  | ctgcattttt  | ccgcccgcct  | 3230820 |
| gcgaaaaaaa  | cggttgcttt | tttcatccgg  | attatccgtt  | ttttgagact  | tttttctgct  | 3230880 |
| cgtcgggaata | atlttttccg | cctlttttcca | tgcgaaactg  | agaaattttc  | catttctgtcc | 3230940 |
| ccgtatlttt  | atgcttctcc | tgaatttttt  | caaaagaaaa  | atccgctttt  | tgggggtttcc | 3231000 |
| atcacccaat  | ttcggacatg | tttttctctga | caatccggat  | atlttttcaag | ttlttttctgt | 3231060 |
| ggaaactgag  | aaatttttct | gcccgttttc  | atattlttttg | cgcttctcct  | gaattlttttc | 3231120 |
| aaaagaaaaa  | tccgcttttt | tcagcatgaa  | tttcccttgc  | ggatgatcca  | ttltttccctt | 3231180 |
| cctcggggag  | tatttccgga | ttlttttctgt | gtcatccgat  | aaagaatttc  | atccttccag  | 3231240 |
| aggtatlttt  | cgctccatcc | ggcaggaatt  | ttcaccgttc  | cggatctltt  | tcgcacgaac  | 3231300 |
| cagactcgcg  | cgcacctgca | cgcgcgtaat  | aatatattga  | gtacccctcc  | cggctccctt  | 3231360 |
| tcccttattc  | cggaaaacct | gccgtaaaac  | atacctgaaa  | cacagcattt  | tatgaatttt  | 3231420 |
| cttgcaaaaa  | aaattgaaaa | aaagtgtggg  | taaaagttgg  | agaaagcgaa  | aaagtgcgta  | 3231480 |
| atltttgcacc | cgctttcag  | agggaaagac  | gttgaaagaga | tgacaatctg  | aaaggaaacg  | 3231540 |
| gagcaggaag  | cagcggttct | gaggcggctc  | aagtatctta  | ccttaacggc  | gttaaggag   | 3231600 |
| cgagaacggc  | agccggacgg | agtcaacttc  | cgccgctaaa  | aaaactlttt  | gaaaaaaact  | 3231660 |

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|             |             |            |             |            |            |         |
|-------------|-------------|------------|-------------|------------|------------|---------|
| ttcgaaaaag  | tttggcgggt  | tcgaaaaaag | ctcctaactt  | tgcaaacgct | ttcgacaacg | 3231720 |
| aacggaagcc  | acaaaaaaag  | gaaatagttc | tttgaaagac  | tttagataaa | caaacgaaga | 3231780 |
| tgtagtacaa  | gaagtagctg  | tcatatataa | taatgtatat  | gcggtgaaaa | agaaagaacc | 3231840 |
| gtcaatattt  | gaacaaagta  | aagacattcg | gttacctgaa  | cagagacaaa | agtactcgca | 3231900 |
| agagtaaaaa  | gatattttac  | aatgaagagt | ttgatcctgg  | ctcaggatga | acgctagcta | 3231960 |
| caggcttaac  | acatgcaagt  | cgaggggcag | catgaactta  | gcttgctaag | tttgatggcg | 3232020 |
| accggcgcac  | gggtgagtaa  | cacgtatcca | acctcccgt   | tactcaggaa | tagcctttcg | 3232080 |
| aaagaaaagat | taatgcctga  | tggtatctta | agcacacatg  | taattaagat | taaagattta | 3232140 |
| tcggtaagcg  | atggggatgc  | gttccattag | gtagtaggcg  | gggtaacggc | ccacctagcc | 3232200 |
| gacgatggat  | aggggttctg  | agaggaaggt | ccccacatt   | ggaactgaga | cacggtccaa | 3232260 |
| actcctacgg  | gaggcagcag  | tgaggaatat | tggtcaatgg  | gcgcgagcct | gaaccagcca | 3232320 |
| agtagcgtga  | aggatgaagg  | tcctatggat | tgtaaacttc  | ttttatacgg | gaataaagtg | 3232380 |
| gtccacgtgt  | gggcctttgc  | atgtaccgta | tgaataagca  | tcggctaact | ccgtgccagc | 3232440 |
| agccgcggta  | atacggagga  | tgcgagcgtt | atccggattt  | attgggttta | aagggagcgc | 3232500 |
| agacggggga  | ttaagtcagt  | tgtgaaagtt | tgcggtcaa   | ccgtaaaatt | gcagttgata | 3232560 |
| ctggttccct  | tgagtgcagt  | tgaggcaggc | ggaattcgtg  | gtgtagcggg | gaaatgcata | 3232620 |
| gatatcacga  | agaaccccg   | ttgcgaaggc | agcctgctaa  | gctgtaactg | acgttgaggc | 3232680 |
| tcgaaagtgt  | gggtatcaaa  | caggattaga | taccctggta  | gtccacacgg | taaacgatgg | 3232740 |
| atactcgctg  | ttggcgatat  | actgtcagcg | gccaagcgaa  | agcattaagt | atcccacctg | 3232800 |
| gggagtacgc  | cggcaacggt  | gaaactcaaa | ggaattgacg  | ggggcccgca | caagcggagg | 3232860 |
| aacatgtggt  | ttaattcgat  | gatacgcgag | gaaccttacc  | cgggcttaaa | ttgcagacga | 3232920 |
| attacttgga  | aacaggtaag  | ccgcaaggcg | tctgtgaagg  | tgctgcatgg | ttgtcgtcag | 3232980 |
| ctcgtgccgt  | gaggtgtcgg  | cttaagtgcc | ataacgagcg  | caaccctcgt | ggccagttac | 3233040 |
| tagcaggtaa  | cgctgaggac  | tctggccaga | ctgccatcgt  | aagatgagcg | gaaggtgggg | 3233100 |
| atgacgtcaa  | atcagcacgg  | cccttacgtc | cggggctaca  | cacgtgttac | aatgggaggt | 3233160 |
| acagaaggca  | gctacccggc  | gacgggatgc | caatctccaa  | agcctctctc | agttcggact | 3233220 |
| ggagtctgca  | acccgactcc  | acgaagctgg | attcgctagt  | aatcgcgcat | cagccacggc | 3233280 |
| gcggtgaata  | cgttcccggg  | ccttgtacac | accgccgctc  | aagccatgaa | agccgggagt | 3233340 |
| acctgaagtg  | cgtaaccgca  | aggagcgccc | tagggtaaaa  | ccggtaattg | gggctaagtc | 3233400 |
| gtaacaaggt  | agccgtaccg  | gaaggtgcgg | ctggaacacc  | tcctttctgg | agcgtgaccg | 3233460 |
| agtgaaggtc  | ctttcggctt  | tgtgctgcat | gcgagtttgt  | ttaacgaaat | aaagagagaa | 3233520 |
| agatgaagcc  | gagtcaggaa  | acagacgagg | ttgaactgaa  | tcacgcaagc | tagtcctata | 3233580 |
| gctcagttgg  | ttagagcgct  | acactgataa | tgtagaggtc  | ggcagttcaa | ctctgcctgg | 3233640 |
| gactacctcg  | aggaagggga  | gcgaagaaaa | aacttcctta  | aaaatttgct | caagcgaaag | 3233700 |
| taaagtctta  | cctttgcagc  | cgcaaaaaaa | cgggggatta  | gctcagctgg | ctagagcacc | 3233760 |
| tgctttgcac  | gcaggggggtc | aacggttcga | atccgttatt  | ctccactata | gaaaaatagg | 3233820 |
| tctatgacat  | gatgtaacaa  | gcaaaaagta | attttagtac  | gaaagctaaa | agtatatatc | 3233880 |
| atcccgccact | gttgaaaaat  | ggtgtgaacg | ataaggaaag  | taaagaaggg | cgcatggcgg | 3233940 |
| atgccttggc  | tctcggaggc  | gatgaaggac | gtgataagct  | gcgataagtc | acggggaggt | 3234000 |
| gcaaataacc  | cctgatccgt  | gaatctccga | atgggacaac  | ccaatacctt | gaagaggtat | 3234060 |
| taccttacac  | agtaaggggc  | taacgcaggg | aactgaaaca  | tcttagtacc | tgcaggaaaa | 3234120 |
| gaaaataaca  | atgattcccc  | cagtagtggc | gagcgaacgg  | ggaagagcct | aaaccaccgg | 3234180 |
| tgttacggca  | caggtgggggt | tgtaggaccg | cgtcgttgca  | agaaatcttg | cgagaagaac | 3234240 |
| gatctggaaa  | gttcggccga  | agacggtgac | agcccgggtat | tcgaagcaag | acgaagcata | 3234300 |
| gcggtatcct  | gagtagcgcg  | gaacacgagg | aattctgcgt  | gaatctgccg | ggaccatccg | 3234360 |
| gcaaggctaa  | atactcccga  | gagaccgata | gtggaccagt  | accgtgaggg | aaaggtgaaa | 3234420 |
| agcacttcga  | acagaagagt  | gaaatagtac | ctgaaaccgt  | gcgcctacaa | gcggtcggag | 3234480 |
| ctcctaaccg  | agtgcggcg   | tgccttttgc | ataatgaacc  | tacgagttgc | cgtcgttggc | 3234540 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| aagggttaagg | gacacgagtc | ccgcagccga | agcgaaagcg  | agtctgaaca  | gggcgtcgag  | 3234600 |
| tcagcggcgg  | cagacgcgaa | accaagtgat | ctacccttgg  | ccaggatgaa  | gtctgggtaa  | 3234660 |
| caccagatgg  | aggtccgcac | caataagcgt | tgaagagcgt  | ctggatgagc  | tgagggtagg  | 3234720 |
| ggtgaaagcg  | taatcaaact | tggagatagc | tcgtactccc  | cgaatgcat   | ttaggtgcag  | 3234780 |
| cctcgtggat  | tactgatgtg | aggtagagcg | actgattgga  | tgcgagggct  | tcaccgccta  | 3234840 |
| tcaagtcctg  | acaaactccg | aatgcgcac  | agttttacc   | cgggagtgag  | ggcatgggtg  | 3234900 |
| ctaaggtccg  | tgcccagag  | gagaagaatc | cggaccaccg  | gctaaggtcc  | cgaatgaca   | 3234960 |
| gctaagttaa  | actaacgaag | tctgattgct | aagacagcta  | ggatgttggc  | ttggaagcag  | 3235020 |
| ccattcattt  | aaagagtgcg | taacagctca | ctagtcgagg  | aatcgggcat  | ggataataat  | 3235080 |
| cgggtataag  | ttgtctaccg | aagccgtgga | accagcaatg  | gttggtaggg  | gagcattcca  | 3235140 |
| ttcggcgctg  | aaggcgtacc | gcgaggtact | ctggagcgta  | tggaaaagca  | aatgtaggta  | 3235200 |
| taagtaacga  | taaagggggg | gagaaacccc | ctcgccgaaa  | gactaagggt  | tcctgatcaa  | 3235260 |
| cgctaatacgg | atcaggggtc | gtcgggtcct | aaggctcagc  | cgaacggcga  | ggccgatggc  | 3235320 |
| agaaacgggt  | aatattccgt | tactaccttg | gaggggtgac  | tggagaagca  | gaagtgcac   | 3235380 |
| tgccgcgggc  | tgacggaata | gcccgttaaa | gagtgtagg   | gctgattccc  | gcaggcaaat  | 3235440 |
| ccgcgggaag  | agccgaactt | gacagtatgg | agcgtcctcc  | gggacaatcc  | aacagcgcag  | 3235500 |
| gtaagcagac  | tgccgagaaa | atccgcataa | cataacttcc  | atggtaccgg  | taccgcaaac  | 3235560 |
| ggacacacgt  | agtcgggttg | aatatactaa | ggcgcttgag  | tgaatcacgg  | ttaaggaact  | 3235620 |
| aggcaaacgt  | accctgtaac | ttcgggataa | agggtccttc  | ctcgcaagag  | agggcgcaga  | 3235680 |
| gaatagggtcc | aggcaactgt | ttacaaaaa  | cacagggctg  | tgcgaatatg  | aaagtagaag  | 3235740 |
| tatacagcct  | gacacctgcc | cggtgctgga | aggttaagag  | gagatgtcat  | cgcaagagaa  | 3235800 |
| gcattgaatt  | gaagccccag | taaacggcgg | ccgtaactat  | aacggtccta  | aggtagcgaa  | 3235860 |
| attccttgct  | gggtaagttc | cgacctgcac | gaatggtgta  | atgatccgga  | cgctgtctca  | 3235920 |
| accgtgagct  | cagtgaat   | gtagtatcgg | tgaagatgcc  | gattaccgcg  | gatgggacga  | 3235980 |
| aaagaccccc  | tgaaccttta | ctatagctta | gcattgaatt  | tgggcacgcg  | atgtgtagga  | 3236040 |
| taggtcggag  | gcaatgaagc | aggcacgcca | gtgtttgtgg  | agccgctgtt  | gaaatacgac  | 3236100 |
| cctttgtttg  | tttgaattct | aactcccggg | tggaggacat  | tgcttgggtg  | gtagtttgac  | 3236160 |
| tgggtgtgtc  | gcctccaaaa | gcgtaacgga | ggcttctaaa  | ggtgccctca  | ggacgatcgg  | 3236220 |
| taaccgtccg  | cagagtgtaa | tggcaaaagg | gcgcttgact  | gggagacaga  | caggctcgagc | 3236280 |
| aggtaggaaa  | ctagagcata | gtgatccgg  | gtttccgtat  | ggaagggaca  | tcgctcaaa   | 3236340 |
| gataaaagg   | actccgggga | taacaggctg | atccctccca  | agagctcata  | tcgacggagt  | 3236400 |
| ggtttggcac  | ctcgatgtcg | gctcgtcaca | tcctggggct  | ggagaagggtc | ccaaggggtg  | 3236460 |
| ggctgttcgc  | ccattaaagt | ggcacgcgag | ctgggttcag  | aacgtcgtga  | gacagttcgg  | 3236520 |
| tctctatcta  | tcgtgggcgt | atgaaatttg | cgtggctctg  | acactagtac  | gagaggaccg  | 3236580 |
| tgttggaccg  | acctctggtt | taccggttgt | gccgccaggt  | gcacgcggcg  | gtatctaagt  | 3236640 |
| cgggatcggg  | taagtgtgta | aagcatctaa | gtacgaagcc  | ggccacaaga  | ttagattttct | 3236700 |
| cagggtcgtc  | aaagacgatg | acgttgatag | gatgcagggtg | taaaggtgga  | gacaccaaag  | 3236760 |
| ccgagcatta  | ctaattgccc | gttcactttc | cttgaaataa  | ggatggatga  | tatatacttt  | 3236820 |
| cagctttgaa  | acaagtgtcg | gaattgcttg | cttgtgagtc  | atgaatacat  | aaaacgatat  | 3236880 |
| tcaggtgact  | atggcacgaa | ggttcacact | cttccatttc  | cgaacagaga  | agtttaagctt | 3236940 |
| cgtcacgccg  | atggtactgc | gcaagtggga | gagtaggtag  | tcgccgtctt  | gaagaggtcc  | 3237000 |
| tgcagcaacg  | acgctgcggg | accttttttt | atgcccgagc  | gcgacgggct  | gacgcaggga  | 3237060 |
| catactcgat  | taaacaatct | gatagaattt | gtttcttgga  | atgtttttgtg | cctgcttgta  | 3237120 |
| tacgacagga  | cgctccgaga | gcgggagttc | tttattcggg  | attagcgtga  | gaatacggat  | 3237180 |
| ttatgtaaaa  | acttaaaatg | taacttgtca | tacagaatct  | gttttcctaa  | gtttgaattt  | 3237240 |
| tatagggata  | aaaaagatct | gtacagagga | cagaaatctt  | cttatagcga  | aaatcaatgc  | 3237300 |
| ttctttgagt  | tgatttgaca | tgaatattcc | atccattctt  | taataatgat  | tagtttttagc | 3237360 |
| gcgttataag  | gcgatatttc | gaacgaaatg | tcttgaactt  | tataagtttc  | cttttaaaga  | 3237420 |



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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ataaaacggg  | aaatagcggg  | aaataattgg  | tgtgattatt  | tatataaagt  | ctgattaaat  | 3237480 |
| gaaataagcc  | cgatgtaaac  | cgggcttatt  | tcagatatta  | ataaagggtc  | gttttgttta  | 3237540 |
| ttgttcacct  | tcttttcggg  | ctgcatgagg  | ataatcgatg  | gtatagtgtg  | agccacgact  | 3237600 |
| ttccttacgt  | tccatagcct  | gacgagtaat  | cagataacct  | acattaatca  | tgttacgcag  | 3237660 |
| ctcgcaaatt  | tctcgtgaag  | cttttacgcg  | tttaaagaga  | cgttctgttt  | cttcgtataa  | 3237720 |
| aatatccaga  | cgattccatg  | cacgtactaa  | gcgtaaattg  | cttcgtacga  | tacctacata  | 3237780 |
| ggcctccata  | atctgattta  | cttccttcat  | gctttgagtt  | atcaggatgc  | gctcttcatt  | 3237840 |
| gctgatagta  | ccttctgcat  | tccattcagg  | aatatcttca  | ttgaaatcat  | agcggtcgag  | 3237900 |
| gacgcttaga  | gcgtgtttag  | ctgctgaatc  | ggcatatacg  | atagcttcaa  | taagtgaatt  | 3237960 |
| ggatgccagt  | cggtttccac  | catgcaatcc  | ggatatacga  | cattcaccga  | tagcatatag  | 3238020 |
| gcgtttgatg  | ctggattgtc  | catccaaatc  | tactttttata | ccaccgcata  | agtaatgggc  | 3238080 |
| agcaggagct  | actggaatat  | agtcttttgt  | gatataaatg  | ccaagctaa   | ggcattttctt | 3238140 |
| gtaaatattc  | gggaagtgtc  | ttttcgtttc  | ttcgggatct  | ttatgtgtta  | catccagata  | 3238200 |
| gacatgatct  | tcacctcttt  | gtttcatttc  | gttatcgatg  | gcacgagcta  | cgatatcacg  | 3238260 |
| aggagcaaga  | gataaacgtg  | gatcatatct  | ctgcatgaat  | tcttcgcctc  | ccagggtttct | 3238320 |
| taatacagct  | ccatagccgc  | gcattgtctc  | tgttatcagg  | aaactgggac  | gatctcccgg  | 3238380 |
| atgatataag  | gccgtagggg  | ggaactgaat  | aaattccata  | tctttttacaa | caccttttgc  | 3238440 |
| acggtaaacc  | atggcgatac  | catcgccctgt | agcgactaat  | ggattgggtg  | tatgagtata  | 3238500 |
| gactgcttca  | caaccgccgg  | tagccattac  | tgttactttc  | gacaagaatg  | tatctacttc  | 3238560 |
| tcctgtactt  | tcattcaata  | cataagcgcc  | ataacatttg  | atacctggag  | tgtggcgggg  | 3238620 |
| aactatgata  | ccgagatggg  | gttgagtaat  | gattttctaca | gcatagaat   | tagtaaatac  | 3238680 |
| cgtgatatta  | ggatgttgtt  | ttaccgcttc  | tatcaagctg  | gtttgaattt  | cagctccggg  | 3238740 |
| attgtctttg  | tgatgaagaa  | tacgaaattc  | ggagtgtcct  | ccttccttgt  | gcaggtcgaa  | 3238800 |
| ttctccggtt  | tcattcttat  | cgaattttac  | gccccatttt  | attaattctt  | caattttggg  | 3238860 |
| aggagcatta  | cgtactactt  | tttctactgc  | tgccggatca  | ctaattccagt | cgccggccac  | 3238920 |
| cattgtgtcg  | tggatatgtt  | tttcgaaatt  | atccaccttc  | agattcggtt  | cggaagcaat  | 3238980 |
| tcctccttgt  | gcatagtagg  | tattggcttc  | ctccagtcgg  | gctttgcaga  | tcagtgaac   | 3239040 |
| cgaaccttta  | tgcgctactt  | ttagcgcaaa  | gctcattccg  | gcaattcctg  | aaccgataac  | 3239100 |
| gagaaaaatcg | aattttctta  | ccataacaac  | atgtataata  | ctattgcaaa  | actacaaaaa  | 3239160 |
| aactagtatg  | gccgtgtcgt  | atctttgttt  | tttttctaaa  | gaacctttta  | tatgtatcgt  | 3239220 |
| attcggcgat  | aaattgctat  | cttcacccaa  | taattaataa  | atcttacaga  | tacaatggat  | 3239280 |
| agaacatttc  | attctaagggt | agactgggtg  | tattgggtgc  | tgatggctgt  | tacggctttt  | 3239340 |
| ttgctgtttg  | attttttctg  | gtttcattat  | acgatagcaa  | cgatattggg  | tgcagttgtc  | 3239400 |
| atgatatttg  | aaattgaaat  | gttgattcat  | actcgttata  | ttgtgacgga  | taatggtaag  | 3239460 |
| ttgcaaatg   | agacaggacg  | ttttgttgct  | gataaaacga  | tattattgaa  | tgatataaag  | 3239520 |
| gatttgcgga  | aaataaaaatc | tttctcagtt  | gctcctgctt  | tatctgtcga  | tcggatcgaa  | 3239580 |
| attgtatatc  | ataataacga  | caaagtggaa  | aaaatatgta  | tttctcctca  | aaatgccagt  | 3239640 |
| gaattttctc  | gctggataga  | gaaaaaaagg  | aagattgaag  | aataaacata  | gtgagctact  | 3239700 |
| aaaattttatg | ctttatggaa  | aaattcaaac  | ctagaaaatc  | ggtaaaaaga  | tttgtttgtg  | 3239760 |
| aaacgttggg  | aagtacactt  | ataagttcgc  | tcatttttgac | tctgatcggt  | gtttttttata | 3239820 |
| atcaggaaaa  | tttaggtata  | tcagtagtgg  | tactttatact | ttttttttatt | ctggatgtac  | 3239880 |
| ttttctccat  | gtatggagaa  | gtaaaggagt  | atcagataga  | tgaaaaagga  | ataatcagga  | 3239940 |
| ttgtttgtta  | tctgggattc  | tctaaggcta  | tgataaaaga  | cgtaacccaa  | gtgttttttg  | 3240000 |
| atcctcaacg  | taaggcattg  | cgtattatct  | caaaaaaagg  | agatcgatgg  | tgtcctatga  | 3240060 |
| aggaaccgga  | actatttgtg  | gatgctttat  | atgaatatta  | tcccaaatg   | aagtacgaag  | 3240120 |
| ttttgagata  | atttctgaat  | atgtaaaacc  | tatttaaatc  | taaataatat  | gataaaatac  | 3240180 |
| caagttgcaa  | tcattgggtg  | aggacctgct  | gggtatacgg  | ctgctgaagt  | cgcaggaaaa  | 3240240 |
| gcaggattga  | gtgtggtgct  | gtttgaaaag  | aacagtttag  | gaggagtttg  | tctgaatgaa  | 3240300 |

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| gcttcgaaat | atggagtaaa  | cgtttcagag  | tcatcgttcg | atttaccgaa  | gattattttca | 3240420 |
| cgaaaagcga | aagttgtccg  | taaacttgtg  | ttaggtatca | aggctaaatt  | gatgggtcag  | 3240480 |
| caagtaacga | tcacagcgg   | ggaagcttat  | attgtcgata | aaaataccat  | tcgctgtgca  | 3240540 |
| gatgaaacat | accaatgtga  | gcatctgatt  | atgtgtactg | gtagtcagac  | ggttattcct  | 3240600 |
| cccatacaag | gtattgaaaa  | agtggagtat  | tggacacatc | gtgatgcact  | cgacaataaa  | 3240660 |
| gaattacctc | actcgcttgc  | aattgttggg  | ggaggagtta | tcggaatgga  | gtttgcttct  | 3240720 |
| ttcttttcta | gcttgggcgt  | acaggtaaca  | gttgttgaaa | tgatgaacga  | aatactgaac  | 3240780 |
| ggcatcgacc | gtgaactagc  | cgctgcttta  | cgggcagaat | atgccaagcg  | aggtgtgaaa  | 3240840 |
| ttcttgcttg | gtgccaaagt  | tacaggtctt  | tcgcaggatg | aagaaggcat  | acatgtatgt  | 3240900 |
| tatcaaaatg | cagagggggc  | gggcagtgtg  | tgcgccgata | aattattgat  | gagcgtcggg  | 3240960 |
| cgctcgccgg | ttacggaagg  | attcggactc  | gaaaatctga | atgttgagcg  | gaatgaacgt  | 3241020 |
| aaaaatatct | gtgtagacgc  | ttattttacgt | acatctgttc | cgggtgtata  | tgtatgtggg  | 3241080 |
| gacctgaacg | gagtttcttt  | gctagcacat  | actgccgtta | gagaagccga  | gatagccgta  | 3241140 |
| aaagatattt | tgggtgaatc  | ggaagaaatg  | agctaccaag | ctatacctgg  | agttgtctat  | 3241200 |
| acgaatccgg | aagttgcttc  | tgttggtgaag | acagaagaaa | atctacagtc  | ggaaggcatt  | 3241260 |
| gcctatcgtg | ttgtaaagct  | acccatggct  | tactctggca | ggtttgttgc  | cgaaaatgaa  | 3241320 |
| ggtacaaacg | gaatacttaa  | ggtgctggta  | gacgatgctg | atacggtgct  | gggcgtacac  | 3241380 |
| atattgggaa | atccagcttc  | cgaactgata  | gtcttaggcg | gtatgatggg  | agaggtacat  | 3241440 |
| cgtaagttag | cttatttcaa  | acgttttgtc  | tttccacatc | ctacagttag  | tgaaatcttc  | 3241500 |
| agagaattgt | aatgtatgaa  | acgaatcggg  | ctgctattta | tctcttttat  | tgtatgctgc  | 3241560 |
| acgctggtgg | cgcagacact  | tgccgaccgg  | ctggatgcat | tggtttcttc  | ggataagtta  | 3241620 |
| ttgactacgt | cggaggttgg  | tattagtgtt  | tttaacctaa | cccagggaaa  | acaggtttat  | 3241680 |
| gcttatcagg | ataagaaact  | ttatcgtcca  | gcctccattg | aaaaactgat  | cacctcggtt  | 3241740 |
| acggcttttg | cgggaattagg | tgaatattat  | gttttcaaca | caagggtagc  | atatacagg   | 3241800 |
| acaatcacgc | aagatagtgt  | actgcaagga  | gatttgtatg | tagtcgggtg  | gtttgatccg  | 3241860 |
| gagtttatgg | acgaggatat  | gaacaaactg  | gcagaagctg | ttcataactc  | cggaatccga  | 3241920 |
| tctattcaag | gccgtctggg  | tgccgatgta  | tcattgaccg | attctattta  | ttggggggccc | 3241980 |
| ggatggtcgt | gggatgatac  | acccgaatct  | ttccagcctt | atctttctcc  | gcttatgctg  | 3242040 |
| aatcgaggat | gtgtgaatgt  | aacggttatt  | ccaggtagaa | aaggaaaacg  | tccgcaagta  | 3242100 |
| gaggttgtac | ccgaatcggg  | ttattatact  | gtttgcaatc | ttgccaaaag  | ctatctgcca  | 3242160 |
| caagaaggaa | agctgaaggt  | taccgtaac   | tggctggata | acggcaatac  | gatttatatc  | 3242220 |
| agtggaaatg | caaattatcg  | atgtaccaag  | aagctgaaca | tgtatgcttc  | gcaagatttc  | 3242280 |
| tttttgcata | cgtttgcta   | taaactgaat  | aaaaaaagaa | ttaccgtaca  | agctgttgcc  | 3242340 |
| tatggaatgt | gccctgatga  | agcaacagga  | ctctatactt | tgtcacgtcc  | acttactcct  | 3242400 |
| gtgctgaaac | gagctctgaa  | gaaaagtgtg  | aacttgtctg | ccgaagctct  | gttttatcat  | 3242460 |
| ctgggcatcc | atcattcggg  | tgaaaagtat  | gtaggataca | aggacgcaca  | agatgtcatt  | 3242520 |
| tacgatttta | tgaaaaatga  | gatcgggtat  | aatcctgatg | attatagcat  | tgtagacggg  | 3242580 |
| agtggcgtat | cactttataa  | ctatatatct  | ccagcactga | tgatagaata  | cctgaagtat  | 3242640 |
| gcttattcac | gtgccgaaat  | attccgccct  | ttatatgaag | ctcttccgat  | agctggtgtc  | 3242700 |
| gatggaacct | tgggaaaccg  | tatgactagt  | cctaaataac | cgttacagtt  | attggacaaa  | 3242760 |
| aataaattat | ttatcacagt  | tcagcaaggt  | cagtcttgct | gaactgtttg  | tttttgaac   | 3242820 |
| ttttaatttt | aatcagcttc  | tgtatgatgca | tatactccgg | cgttttatac  | ccacaagagt  | 3242880 |
| aatgaggtct | gatgttatta  | tacttgtaga  | cagcatccct | tattacctgt  | ttcatatctg  | 3242940 |
| atagcggtag | attaagttcc  | tcaagcagga  | actcctgttt | tagtattccg  | tttattcggt  | 3243000 |
| ctgccacggc | attagcgtac  | ggatcgtaag  | attcagtcac | gctgggtatg  | atgtgatatt  | 3243060 |
| gtcccagtaa | tttctgatat  | gcatcggaac  | agtactgtat | accacgggtca | gagtgggtgta | 3243120 |
| tcaatggcgt | gtccctatac  | agtcggttgc  | ggtttgccat | cctcagcgcg  | ttcaaagaac  | 3243180 |

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| cttgagtgtc  | caaggaatcg | gaaagatcat | atcccataat | cttcttggaa  | taagcatctg  | 3243240 |
| taaccagaga  | aagatacata | tgccggtttc | tattgccaat | ataagtaata  | tcagaaaccc  | 3243300 |
| atatttcttc  | cgggcgtgtc | gcttccatac | tttctacaag | attcttgtgc  | ttccgaaacc  | 3243360 |
| ggtgatgcga  | gttggtgtgt | acatgatatg | aacgtacggg | ctttataagc  | agacggttgg  | 3243420 |
| cacggagtat  | atcgaacagt | ttgtccctgc | ctacctgtgt | ctccttaagt  | ggctgatgaa  | 3243480 |
| gcatatgata  | aagtttgcgg | gttcctacac | gtggcagttc | cattcggata  | tctcgtacca  | 3243540 |
| tgcccacaac  | atcagtggcc | ctttgccggc | ctcggattat | cttccattgc  | tgacggtaat  | 3243600 |
| atttctgcct  | gcttatcccg | agcagtcggc | agattccgct | gatacttacg  | gatttttctt  | 3243660 |
| ctttatatatt | attgactgtt | cgggagagga | gttttttcgt | atgtcgatat  | tatatttcctt | 3243720 |
| ttccgctatg  | tctatcatca | tgtcgaaaaa | ctctgctttc | atataccttca | gctcaagctc  | 3243780 |
| cttttccaga  | cgggcattct | tgcgttccag | gaaccttact | ttctgttgta  | gttctaacag  | 3243840 |
| tttttgatcc  | ttactctttt | ccatagaatg | gtaacatttg | tttgtgatat  | caaagttacc  | 3243900 |
| atatttttca  | atccaacggc | taatagtgtg | acatccttgt | atcccatatt  | ttcgtttcag  | 3243960 |
| cgtcccaaaa  | cttatttttg | tggtttcata | ctcttgcact | actgatagtt  | taaaggacat  | 3244020 |
| actgtaatct  | ttttgtgtgc | gcttaacgta | ctttgtttct | gtcttttcca  | taatgttacc  | 3244080 |
| ttttttgttg  | taacgctatt | tcaggactag | acagtatgaa | aaaaggaagg  | gcatatcgca  | 3244140 |
| atgttcatgc  | taaaacagga | acggtaacgg | gagtcagttc | gcttgctgga  | tatgtaaagg  | 3244200 |
| ctggaaatgg  | agatatgctt | gctttcggtt | ttatcaatca | gaatgtctta  | aagggttaagg | 3244260 |
| atgcccgtct  | ttttcaagat | aagatttgcg | aaatattaat | acactaataa  | aaagaaatta  | 3244320 |
| gtatatattgt | gacgtgagga | attaaaataa | ataattccgt | gttcgcaaac  | ggaaaagcat  | 3244380 |
| tttgcttttt  | tatgctgata | ttagtattta | acaatataaa | cactaaagaa  | aactatgggt  | 3244440 |
| aattttttcac | ttgaaggaaa | agtagctctt | gtaacaggag | cttcttatgg  | tatcggtttt  | 3244500 |
| gctatagcaa  | ccggttttgc | acaagctggg | gcaaaaattg | tattcaatga  | cattaagcag  | 3244560 |
| gaactagtag  | ataagggtct | tgctgcttat | aaagaactcg | gaattgatgc  | ccgtgggttat | 3244620 |
| gtatgcatg   | ttaccgatga | aaaagcagta | aatgcactgg | ttgcacagat  | tgaaaaggaa  | 3244680 |
| gtgggtgtga  | ttgatatttt | ggtaaacaat | gccggtatta | tcaaacgtat  | tccgatgtgt  | 3244740 |
| gaaatgtcag  | cagccgaatt | ccgtcaagtg | attgatgtcg | atttgaatgc  | tcctttcatc  | 3244800 |
| gtatcgaaa   | cagttattcc | aagcatgatt | aagaaaggct | acggaaagat  | tatcaatatc  | 3244860 |
| tgttcaatga  | tgagtgaact | tggtcgtgaa | acagtatcag | cttatgcagc  | agccaagggg  | 3244920 |
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| aatggatcg   | gtccgggtta | tatcgctact | cctcagacag | ctcctttgcg  | tgagcgtcag  | 3245040 |
| cccgcaggtt  | cccgtcatcc | gttcgatgct | ttcattgttg | ccaagactcc  | tgctgcacgt  | 3245100 |
| tggggaaatc  | cgaagacct  | gatgggacca | gctattttcc | ttgcttcgga  | tgcttcaaac  | 3245160 |
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| acgtcttcag  | gtctttttgt | ttttttgtat | aagtaaaaac | tttttaggat  | attacgaaat  | 3245340 |
| agggttattg  | aggttgattg | ttgtagaata | atttttgttg | caaaataaga  | tattacttta  | 3245400 |
| gtttcgtaat  | aactatctga | taaataatga | cttattatta | tatcaatact  | tcggtaaatt  | 3245460 |
| tttaccgata  | aattaaaatt | aaacatagaa | tcggcataat | ccggttcaaa  | attatattca  | 3245520 |
| agagatcatt  | gaaatactgt | caagaataaa | tcgtcaagga | gtaagaaaag  | ggatgaaaaa  | 3245580 |
| gatatgctaa  | acagctgaaa | atcaacagaa | aaagtatttc | ataattcact  | gatttttagt  | 3245640 |
| aaattagaag  | tacttcacca | cttttaatta | tgactaaaga | atcactcctt  | atgcaatacc  | 3245700 |
| aatccgagtg  | cagaaacgct | ctcgaatcag | ctgtaaatat | aagcaaattct | tttcagaaag  | 3245760 |
| tattcatgga  | tgcaatgaaa | ttattcatgg | ctatacctga | ccgcatcaat  | ttcctacaaa  | 3245820 |
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| ttgactgggt  | ttccttcaat | gaagccatca | tcagggaaca | ccttaaagggt | ggtcgcaagg  | 3245940 |
| cgatagccgt  | tgatccgtct | ttcattccaa | aatcaggcag | caaaacgccg  | tggattgggt  | 3246000 |
| atttctgggtc | cggttgtgcc | ggtgaatata | aacgtggact | ggaaataacc  | ggtattggag  | 3246060 |

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| caacgctgga  | aagctgtgag  | aagaatcttg | ttgactggta  | cagctcttac  | cttatcagca  | 3246180 |
| tacaggaaca  | gctgaaacgt  | atttctggca | cagtcgtgtg  | tgatgcgttc  | ttttcaaagg  | 3246240 |
| caactttcat  | caaaccattg  | tacgataacg | gtttccacgt  | aataagccgt  | ttcaggaatg  | 3246300 |
| atgccgtatt  | gttttatccc  | accttagaaa | ataggacagg  | aaaacgcgga  | cgtccaaaat  | 3246360 |
| tacatgacga  | gaaaattgac  | tttgaaaatc | tgacatcac   | aagatgtacc  | gagtacaaag  | 3246420 |
| tgaacaagg   | taaactttac  | ggactgaaag | catactccaa  | agcactcaaa  | cgctttgtga  | 3246480 |
| gcctggctgt  | atggtacccc  | atggatggaa | gaacggacaa  | atggcagctg  | tattttctcta | 3246540 |
| caaacgaaat  | acagaacgca  | caggatgtcc | tggaactttta | cagaacacgt  | ttccaactcg  | 3246600 |
| aattctgctt  | tcgggatgcc  | aagcaacatg | ccggaatagc  | aaactgtcag  | tctacagact  | 3246660 |
| tcaggaaact  | ggcattccac  | tttaatgcat | cacttgcagc  | gataaacctc  | gccaaggctg  | 3246720 |
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| cttacatgct  | tgaacgattt  | atttgcgtgt | ctgggattga  | accaaacacg  | caattaattg  | 3246840 |
| acaaactttt  | caaagaactc  | attttattta | ctgccagagc  | cgcttaggct  | gggctaattt  | 3246900 |
| ttaacgaact  | attgattata  | ttatataaat | atattatttg  | ttttatattg  | ttagaaataa  | 3246960 |
| ctctattaga  | atcttattat  | agactttaat | gataaaacta  | aattgtttta  | tatctgtttc  | 3247020 |
| tgatacat    | gcaagtgatc  | gatatacggg | aaagaagcca  | cccgaatatt  | gtggaataat  | 3247080 |
| aaagttacat  | taaatgttat  | cagggtgat  | caaacctttt  | tattatgaaa  | aacaagtaag  | 3247140 |
| tagatcaatt  | aaacttttgt  | gttatattaa | cctaaaaaca  | tagtatgaaa  | aaacaattta  | 3247200 |
| ttactattct  | tttctattta  | tccttttttg | tcttaagtgt  | tgggtgcaaca | gatacatgga  | 3247260 |
| caatctctac  | ttcttcaaaa  | gaaaattata | acggcattac  | tttaggaaac  | ggtagaattg  | 3247320 |
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| ataaaagagaa | tagagaagga  | gttagtcgta | ttgtacgtgg  | tccattattt  | acgaattttgc | 3247440 |
| ttttaagcat  | tgatggtacg  | caaattaccg | ataaaaatat  | tagttcttgg  | actcaaacat  | 3247500 |
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| atacacttag  | agcccttaga  | aactttccat | acatgggaat  | gattgttgta  | gagatgttac  | 3247620 |
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| cacaagcgaa  | aagttaaca   | ggcatgcaag | accttgcaac  | gtgttcagct  | tttttgtttg  | 3247800 |
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| atgtgtattc  | tttcgctgga  | gaaaatacac | gtttgagtat  | tccgccaatg  | ggattgtcta  | 3248160 |
| ctgtaactgg  | ttataatggt  | catgtttttt | gggatacaga  | gttgtggatg  | tatcctcctt  | 3248220 |
| tgtaaatgtt  | taatacccaa  | atggctcgct | cgtgtgtcga  | ctatcgatat  | gacagattgg  | 3248280 |
| ataaagcaat  | tcagagagct  | accttatatg | gatacaatgg  | ttgtatgttt  | ccatgggaat  | 3248340 |
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| attggttgcg  | taaagaaggt  | tttaaggtat | taaaaaatat  | agcagatttt  | tggacttcgc  | 3248520 |
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| cagataataa  | gagtatgcgt  | ttaaatttgg | attattacgc  | tcctaagatt  | tatgaggatg  | 3248880 |
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| aggttgtctt  | gtttggattt  | ggtggccttg  | agataacgga  | taatggcatt  | atccaaaaaa  | 3249120 |
| atccaatatt  | accatctgaa  | tggaagtcgc  | ttacttttaa  | aggaataggt  | cctgataaaa  | 3249180 |
| aaagttttgt  | gataaaataa  | agttattttt  | ttgataaccc  | tttgttttaa  | tcaatacttc  | 3249240 |
| ggtaaaat    | taccgataaa  | ttaaaattaa  | acatagaatc  | ggcataatcc  | ggttcaaaat  | 3249300 |
| tatattcaag  | agatcattga  | aatactgtca  | agaataaatc  | gtcaaggagt  | aagaaaaggg  | 3249360 |
| atgaaaaaga  | tatgctaaac  | agctgaaaat  | caacagaaaa  | agtatttcat  | aattcactga  | 3249420 |
| tttttagtaa  | attagaagta  | cttcaccact  | tttaattatg  | actaaagaat  | cactccttat  | 3249480 |
| gcaataccaa  | tccgagtgca  | gaaacgctct  | cgaatcagct  | gtaaatataa  | gcaaactctt  | 3249540 |
| tcagaaaagta | ttcatggatg  | caatgaaatt  | attcatggct  | atacctgacc  | gcatcaat    | 3249600 |
| cctacaaatg  | ggacgggatg  | gatgtttctc  | ggaacagaca  | taccgcaaca  | atcttgagaa  | 3249660 |
| cgacggcttt  | gactggtttt  | ccttcaatga  | agccatcatc  | agggaacacc  | ttaaagggtg  | 3249720 |
| tcgcaaggcg  | atagccgttg  | atccgtcttt  | cattccaaaa  | tcaggcagca  | aaacgccgtg  | 3249780 |
| gattggctat  | ttctgggtcg  | gttgtgccgg  | tgaatacaaa  | cgtggactgg  | aaataaccgg  | 3249840 |
| tattggagtt  | atagacgttg  | acaaccatga  | atgtatgact  | ttgggctctg  | tacagacacc  | 3249900 |
| tgacaacgca  | acgctggaaa  | gctgtgagaa  | gaatcttggt  | gactgggtaca | gctcttacct  | 3249960 |
| tatcagcata  | caggaacagc  | tgaaacgtat  | ttctggcaca  | gtcgtgtgtg  | atgcgttctt  | 3250020 |
| ttcaaaggca  | actttcatca  | aaccattgta  | cgataacggt  | ttccacgtaa  | taagccgttt  | 3250080 |
| caggaatgat  | gccgtattgt  | tttatccac   | cttagaaaat  | aggacaggaa  | aacgcggacg  | 3250140 |
| tccaaaatta  | catgacgaga  | aaattgactt  | tgaaaatctg  | gacatcacaa  | gatgtaccga  | 3250200 |
| gtacaaaagt  | aacaagggtg  | aactttacgg  | actgaaagca  | tactccaaag  | cactcaaacg  | 3250260 |
| ctttgtgagc  | ctggctgtat  | ggtaccccat  | ggatggaaga  | acggacaaaat | ggcagctgta  | 3250320 |
| tttctctaca  | aacgaaatac  | agaacgcaca  | ggatgtcctg  | gacttttaca  | gaacacgttt  | 3250380 |
| ccaactcgaa  | ttctgctttc  | gggatgccaa  | gcaacatgcc  | ggaatagcaa  | actgtcagtc  | 3250440 |
| tacagacttc  | aggaaactgg  | cattccactt  | taatgcatca  | cttgcagcga  | taaacctcgc  | 3250500 |
| caaggctgcc  | tgtagaaga   | tggaataaaa  | atattccata  | tcacatgca   | agtcagtcac  | 3250560 |
| acacaatgct  | tacatgcttg  | aacgatttat  | ttgcgtgtct  | gggattgaac  | caaacacgca  | 3250620 |
| attaattgac  | aaacttttca  | aagaactcat  | tttattttact | gccagagccg  | cttaggctgg  | 3250680 |
| gctaattttt  | aacgaactat  | tgttaaataa  | atatattatg  | aaaaagatat  | taatcagtgt  | 3250740 |
| ttcattgttt  | ttgtgcgcag  | cagttcctat  | atctgcagct  | tttggacata  | aaaaggcaac  | 3250800 |
| ttctattgat  | attgagaagg  | tgtctcaaga  | acaacgtaag  | gtttccgttg  | ttgtgaatga  | 3250860 |
| taaaaatgg   | cctgtgatag  | gtgctaattg  | tttagttaaa  | ggaactacca  | ttggaaatat  | 3250920 |
| caccgatttg  | gatggaaaag  | ctgttattga  | gggtgttcct  | caaaatgcag  | ttttagtaat  | 3250980 |
| ttcatttatt  | ggatatttga  | ctcaagaaat  | acctttaaat  | aataatcaga  | aaaatattga  | 3251040 |
| agttacatta  | gttgaagata  | ctcagactct  | ttcagaagta  | atggtcgttg  | ggtatggctc  | 3251100 |
| tgtaaaaaaa  | tcagatgcc   | caggagccat  | cgatgttatt  | aaaagtacag  | atcttaataa  | 3251160 |
| aggggttgta  | tcttctccag  | agtccttatt  | taaggacat   | attgctgggtg | tgcaagtaac  | 3251220 |
| tccaacaagt  | ggtcagcctg  | gagctaattc  | taatgtgcgt  | atccgtgggtg | tcaattctat  | 3251280 |
| ttcagcttcg  | agtgaacctc  | tttatgtaat  | tgatgggtga  | cctattgaca  | attccagatc  | 3251340 |
| aacgactaat  | gtaggagggg  | attcaggttt  | aaatagcttg  | tcaatcaatc  | ccttatccat  | 3251400 |
| gatttcagct  | tctgatatag  | aatcgatgac  | tgttttgaag  | gatgcttcgg  | ctacagctat  | 3251460 |
| ttacggatca  | cgtgggtgcaa | acggagtcac  | tataataact  | actaaagggtg | gtaaagatgg  | 3251520 |
| tgttcgttct  | ttaagttatt  | ctgggttctgt | tggtattctca | cagggtatcta | ataaaaattag | 3251580 |
| tgtgttgtct  | gctgatgaat  | atcgtcagta  | cgttcctaata | gcaacaggta  | cagcttcaac  | 3251640 |
| agattggcag  | gatgaaat    | tcagaacagc  | atctgttgaa  | gaacataata  | ttaacgtgag  | 3251700 |
| ttcgaaataa  | attaaaacat  | cgtgagttgt  | ccgtctttga  | caaaacaaac  | gtcaatggcg  | 3251760 |
| ggcttctttt  | caaagaagca  | gtatgcagct  | atggcagaga  | gagagttggc  | aataaagtta  | 3251820 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| ttgaaggaac  | ggtgtctgga | gtgttcaatc  | tgggcgatgt  | tctttaactc  | gtcattgact  | 3251880 |
| gtttcaatca  | aagcacgttt | tctcagcagg  | atthttgtccg | ccacgttcat  | cagggagttc  | 3251940 |
| ttcatgttgt  | tcttcacttt | ggttatcaac  | tgtatgccgt  | taaggaacag  | gttctcgaac  | 3252000 |
| agggtttgcc  | cgacataccc | cttgtccgca  | cagagtttcc  | cttttatatt  | cttcaggaac  | 3252060 |
| tttgtctgtt  | tcagcggttc | acggtcaccc  | acatttcccg  | gagtgaacat  | gaaattgagg  | 3252120 |
| atthcaccct  | tatcgttgat | gatcaggtga  | agcttaaacc  | cgaagaacca  | tcccatggag  | 3252180 |
| cattttccac  | gttcggcgag | acccttaaaa  | gtcttgtgaa  | tcaatatgcy  | ttggttccgy  | 3252240 |
| catacacgca  | gcgggggtga | atccacaaag  | ctgataccgy  | tgcaggtagc  | caacaggact  | 3252300 |
| tccttgatga  | aaatggtagc | ctgcaacagg  | acttcctttt  | ccagttccac  | aaaacggtta  | 3252360 |
| taggacacac  | gtctgggaaa | gagatgcgtc  | agatgtttgc  | atacatattc  | tttgtagtaa  | 3252420 |
| tgcttgaaac  | atctgaagcc | tcccagatgg  | aacaggatca  | agatgaccat  | gattttccgca | 3252480 |
| tcactcatcc  | ggttcggctt | gttccgatgc  | ttatgattct  | tttcttcaac  | catatattht  | 3252540 |
| tcctgtgttt  | tggcaaattc | cttgcaaaaa  | tcatccgcca  | tacaaaaaat  | ctccgtaact  | 3252600 |
| ttagactctg  | agaacatagt | ggtaatcgct  | taaatgttat  | acttagacac  | tataaattta  | 3252660 |
| atgctthttat | cgctatgttc | ctaattttca  | aactgataat  | tttaatcttt  | atatcgaact  | 3252720 |
| cacgttaata  | ttacattcag | taatggtaat  | aaaaatacat  | cttatcgtgc  | ttcgttaaat  | 3252780 |
| ttttcagatc  | aaaatggtag | tgttatagga  | acgggtatgg  | atcgttactc  | tttacatttt  | 3252840 |
| aatttgacgc  | ataagatgtt | tgatgatcgy  | ttgattttta  | atttgaatgc  | gaataacact  | 3252900 |
| tattatacat  | tagataacgt | tttgagacaa  | caaacaggag  | gttctaattg  | tggtattatt  | 3252960 |
| aataacgcat  | tgaagctaa  | tccaacagaa  | cctgtatata  | atgaagatgg  | atctthttaat | 3253020 |
| gaatatgcag  | aatctgtacg | taatcctgta  | gctatggcaa  | agcagatgta  | tgataaatcg  | 3253080 |
| agaggagatc  | gctttatcgy | tagtgcagac  | gccacctatt  | tctttattcc  | taagacattg  | 3253140 |
| tctggtaaga  | ttaatgtagg | gtacgatgtt  | gataatatca  | atcgtaaagc  | ttatcaacca  | 3253200 |
| attgattcaa  | aggctgctga | gaatgttgaa  | ggacgtgcta  | ttaccgaaag  | taaccgctat  | 3253260 |
| tctaactatt  | tgthtgaagg | ttatcttaca  | ttcgataaaa  | catttaatga  | tatccatgca  | 3253320 |
| ttgaatgttg  | ttgctgggta | ttcatggcag  | gaatttgata  | attatacttc  | aacggttccgy | 3253380 |
| gctgaaggct  | ttgtaaata  | taatttagga  | gctgacaatg  | ttgggtggcg  | acgaactcag  | 3253440 |
| caagcacaga  | ataatgaaga | gttaaatcgy  | ttgatttcat  | tttatgctcg  | tgctaattat  | 3253500 |
| aatttgatgg  | ataagtacat | gtttacagct  | acggtagctc  | gggatgggtc  | ttcacgcttt  | 3253560 |
| ggtgttaata  | accgatgggc | tactttccct  | tctggagcat  | ttgcatggaa  | aatcaaacag  | 3253620 |
| gaagagttct  | tgaaaaatgt | atctgctatt  | agcgatttga  | aacttcgtct  | tggttatggg  | 3253680 |
| gttactggta  | atcaggatat | tggtaaactc  | cgthtatagtc | agacctattc  | gatagatagt  | 3253740 |
| aagcaaggaa  | cttctthttg | tggagttgct  | tatcctgcat  | ataatattac  | tggtatcgcc  | 3253800 |
| aatccagatc  | tgaatggga  | gcagacagca  | caatttaatg  | ttggthttaga | ttatggcttc  | 3253860 |
| ttgaataatc  | gtatcagagg | ttctthttgat | gtgtatcata  | agaaaacatc  | aaacctgcta  | 3253920 |
| ttgactattg  | atgctattca | gccggctgta  | agthcttcat  | atttggataa  | tgtaggcgct  | 3253980 |
| atggtttaata | agggatttga | atttacgata  | gatgcagctg  | tcattagtag  | aaaagatttt  | 3254040 |
| tattgggata  | ccaatttcaa | tatagcttac  | aataagaacg  | aagtaactga  | actgtataac  | 3254100 |
| aataaagata  | ttgtthtatg | agthgttagt  | ggagccgggg  | catatggaaa  | tacccaaata  | 3254160 |
| ttacgagttg  | gtgaatcaat | aggatctthc  | tatggacaaa  | agthccttgg  | aattgaaaat  | 3254220 |
| ggaaaagaag  | thtttgaatc | agatgagcgt  | actgtactgg  | gtaatgccct  | tcctgatgta  | 3254280 |
| attattggat  | ttaataatac | ctthaaatat  | aaaaactggg  | atatttctct  | ctgtcttcgt  | 3254340 |
| tctaatttag  | gagtagatgt | ttacaataat  | actcgtgctg  | aactggaaca  | aggtagtcgt  | 3254400 |
| ttgcctggcc  | aaaatacaaa | tattgaagga  | gctgagthtt  | ataaagctgg  | aggaggtggg  | 3254460 |
| attgtthtat  | cttctctcgy | ttgggtggaa  | aatgcttcat  | tctthaaaatt | ggataatgtt  | 3254520 |
| actcttggat  | ataattttac | acttccataa  | gttatthaaa  | acggtcgtat  | atatataacg  | 3254580 |
| gcacagaatc  | tgthtactat | tacttcatat  | aaaggttatg  | acccggaagt  | caataatgta  | 3254640 |
| agthctgata  | aagatgthaa | ggcaataggt  | atcgattact  | gtagthtatcc | acaggctcgt  | 3254700 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| acatttactt  | taggttttaa | tattaacttt  | taataattca  | tttggttatg | caaaaaatta  | 3254760 |
| taatatctgc  | agttgctata | ttgacttcaa  | tggttcatg   | tacagatttg | gatgttgttc  | 3254820 |
| ctaatagtaa  | actgacagat | gaaactgtat  | accgtgaaaa  | gtcagagttt | ttgaatggac  | 3254880 |
| tctcaggagt  | taattctaca | ttaggtat    | ggtcggaagt  | tgtctttaag | gcaggaactt  | 3254940 |
| ctgccgatga  | tatgatattg | cctgcaagag  | gtgctgactg  | gaaaggcgat | atacaagctg  | 3255000 |
| ttcatttctca | tacttggacg | cccgataata  | gtgaaatggg  | agccgtctat | acaggtatat  | 3255060 |
| caaaaattat  | tgctgtttca | aattcttata  | tagatgcat   | agacaatagt | agtttttcaa  | 3255120 |
| atgatgcaga  | tgttgttgtt | atgctgtcag  | acgctcgttt  | cgtaagagct | tttgcctatt  | 3255180 |
| tcctgatgct  | ggattat    | ggtaatgttc  | catttgtaac  | aacttccgct | tatgattcgc  | 3255240 |
| agaatcctcc  | taagcagaat | acaagaaaag  | aattgtatga  | atgtgttgag | tctgaattga  | 3255300 |
| aagagattgc  | taatatctta | ccagaaaaga  | ctgagtatgg  | acgttatgac | cgatatgctg  | 3255360 |
| ccaagactct  | tttggccaag | ttgtatttaa  | atgcagaagt  | atatttgga  | aaaggtaacg  | 3255420 |
| caaaatggga  | ggatgtagct | actttgactc  | aggaaataat  | gtcaaagtcg | gattatat    | 3255480 |
| tggagataa   | ttttaaggat | gtatttaaat  | gggataatta  | taatcaatac | ttcggtaaat  | 3255540 |
| ttttaccgat  | aaattaaaat | taaacataga  | atcggcataa  | tccggttcaa | aatttatattc | 3255600 |
| aagagatcat  | tgaataactg | tcaagaataa  | atcgtcaagg  | agtaagaaaa | gggatgaaaa  | 3255660 |
| agatatgcta  | aacagctgaa | aatcaacaga  | aaaagtattt  | cataattcac | tgatttttag  | 3255720 |
| taaattagaa  | gtacttcacc | acttttaatt  | atgactaaag  | aatcactcct | tatgcaatac  | 3255780 |
| caatccgagt  | gcagaaacgc | tctcgaatca  | gctgtaaata  | taagcaaatc | ttttcagaaa  | 3255840 |
| gtattcatgg  | atgcaatgaa | attattcatg  | gctataacctg | accgcatcaa | tttctacaa   | 3255900 |
| atgggacggt  | atggatgttt | ctcggaacag  | acataccgca  | acaattttga | gaacgacggc  | 3255960 |
| tttgactggt  | tttccttcaa | tgaagccatc  | atcagggaac  | accttaaagg | tggtcgcaag  | 3256020 |
| gcgatagccg  | ttgatccgtc | tttcattcca  | aaatcaggca  | gcaaaacgcc | gtggattggc  | 3256080 |
| tatttctggt  | ccggttgtgc | cgggtgaatac | aaacgtggac  | tggaaataac | cggtattgga  | 3256140 |
| gttatagacg  | ttgacaacca | tgaatgtatg  | actttgggct  | ctgtacagac | acctgacaac  | 3256200 |
| gcaacgctgg  | aaagctgtga | gaagaatctt  | gttgactggt  | acagctctta | ccttatcagc  | 3256260 |
| atacaggaac  | agctgaaacg | tatttctggc  | acagtcgtgt  | gtgatgcgtt | cttttcaaag  | 3256320 |
| gcaactttca  | tcaaaccatt | gtacgataac  | ggtttccacg  | taataagccg | tttcaggaat  | 3256380 |
| gatgccgtat  | tgttttatcc | caccttagaa  | aataggacag  | gaaaacgcgg | acgtccaaaa  | 3256440 |
| ttacatgacg  | agaaaattga | ctttgaaaat  | ctggacatca  | caagatgtac | cgagtacaaa  | 3256500 |
| gtgaacaagg  | gtaaacctta | cggactgaaa  | gcatactcca  | aagcactcaa | acgctttgtg  | 3256560 |
| agcctggctg  | tatggtaccc | catggatgga  | agaacggaca  | aatggcagct | gtatttctct  | 3256620 |
| acaaacgaaa  | tacagaacgc | acaggatgtc  | ctggactttt  | acagaacacg | tttccaactc  | 3256680 |
| gaattctgct  | ttcgggatgc | caagcaacat  | gccggaatag  | caaactgtca | gtctacagac  | 3256740 |
| ttcaggaaac  | tggcattcca | ctttaatgca  | tcacttgcag  | cgataaacct | cgccaaggct  | 3256800 |
| gcctgtaaga  | agatgggaat | aaaatattcc  | atatcatcat  | gcaagtcagt | catacacaat  | 3256860 |
| gcttacatgc  | ttgaacgatt | tatttgcgtg  | tctgggattg  | aaccaaacac | gcaattaatt  | 3256920 |
| gacaaacttt  | tcaaagaact | cattttat    | actgccagag  | ccgcttaggc | tggtgctaatt | 3256980 |
| tttaacgaac  | tattgtataa | tagtaaagag  | attatttttt  | ctgtaatctg | tgatagccaa  | 3257040 |
| aatacatatc  | ctgaaaatat | cagttatttg  | ttctctat    | ctgacctccg | tgagaaatat  | 3257100 |
| ggatcatttg  | cggctggatg | gggcggatca  | gctgcattgc  | cttcactcat | acattcgtat  | 3257160 |
| gatcctaata  | atgtacgttt | ggaagctttt  | ctgtttggtc  | cacaagtaga | tgctgatgga  | 3257220 |
| aacctctga   | tggcaacaga | tgatcaaggg  | gtagaacgtc  | aacttaatta | ttcagtagat  | 3257280 |
| tttacaagca  | atgatccggt | gaataatgca  | gatcactggg  | atggagcacg | aggcgtaaaa  | 3257340 |
| tatctgatgg  | atggcatagg | aggtacaatg  | gttgagcgtg  | gcttaaacia | tgatatgccg  | 3257400 |
| atgttgcgtt  | atgcagatgt | tttgatgatg  | cgtgctgaag  | ctcttttccg | aataaatcca  | 3257460 |
| aatgatacag  | aagcacttga | tttagtaaac  | aaggtaagga  | ctcgtaacgg | acataatcct  | 3257520 |
| gtaccggctt  | ttgataagtt | gacagaggaa  | aatttgcttg  | cagaacgtgg | aagagaattt  | 3257580 |

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| gactataagg | aagctagtga  | agactatcga | actttattcc  | ctatccctca | ggtacaaata  | 3257700 |
| gatttctaac | caaacttaaa  | acagaatcca | ggttattaat  | tattgttgta | ccgtaacttt  | 3257760 |
| cgtatatctt | tatcgaaagt  | tacggtat   | attttaaata  | gtagttatta | atatgtatag  | 3257820 |
| gtttatagga | ttgttaatat  | tggtatttgc | tttaagtggg  | tgttctaaaa | atttagatag  | 3257880 |
| tactgtagct | ccttggcaaa  | attgttttca | aggagtatcc  | aataaaggga | agactagtga  | 3257940 |
| taagatttat | gtaacagcag  | ggagaaagc  | acaaattata  | ggtttacaga | atggaacatt  | 3258000 |
| tccagcaata | ggtgagcatc  | tcaaagggga | aatgggaggt  | atttggactg | gatcatttaa  | 3258060 |
| agtggcagat | ggttttgata  | tgaagtttag | tgatataact  | tccaatgatg | atacaatatt  | 3258120 |
| gcatgcacgg | gaaatgattg  | tgtttccaca | taaaaattgt  | tttgattttg | gcgatatatt  | 3258180 |
| aagtggagta | catgtttcat  | ctacacaatt | cagctctgat  | aaagaacctg | gagtggctcg  | 3258240 |
| ttcctatatc | ttgacaaata  | agtccaagca | tgatatttgc  | ttatctgttg | gttttcgact  | 3258300 |
| aaatgtagat | cttgttcctg  | tatggttttc | cgaggaaaat  | ggcattcata | atggcaatga  | 3258360 |
| ttatatattt | tgggataaag  | ataatgagct | atttactgct  | ggcgattcat | tacataattg  | 3258420 |
| gtttatggct | tgggaagtgtg | accataagat | atcttcttat  | gaagtggggg | aaaaatgtca  | 3258480 |
| actaacagga | gctactcctg  | ctaagtttta | ttcaatgtta  | gatttgcata | ctggtcagca  | 3258540 |
| agaagaaata | agatatgtca  | taacatcttc | catgaaaaat  | actgaaaatg | caattgaaag  | 3258600 |
| gtgcaatata | ttactgaata  | attacgaaaa | agaattatca  | gaaaagaaaa | actctattga  | 3258660 |
| aacattactt | tcaacggcgg  | aaatagatat | tcctgataag  | aaaattcaag | atgcttttta  | 3258720 |
| ttggactaag | attaataaca  | gatggctgga | aactgatata  | gataccattg | gctatttttt  | 3258780 |
| aagtgccgga | gctgtggaat  | atccatgggt | gtttggatgt  | gataattctt | atgcccttca  | 3258840 |
| gggacaggta | cgagttggcg  | actggaaact | tggttgatca  | actttacgtc | tattgaataa  | 3258900 |
| agtatctgag | cgtacaaatg  | gaaatggaca | aattattcat  | gaaatgtcca | ataatggatt  | 3258960 |
| tggtggaaat | aaaggaaata  | cacaagaaac | tgctcattat  | ataatggctg | tgtgggaagc  | 3259020 |
| ctatcgatgg | acaggcgata  | tacaattgct | tcgtgatctc  | tatcccaatg | taaagaaagg  | 3259080 |
| tatatcgtgg | ctaacagaaa  | caatggatac | aaatcataat  | ttatatcctg | aagggttatgg | 3259140 |
| cattatggag | gtaaaaggac  | ttaatgcaga | attgattgat  | gttgctgttt | atacacagca  | 3259200 |
| agcccttggt | gcagcatcaa  | agatggcttc | tttattcgga  | gaagatagcc | tcgctactac  | 3259260 |
| tttttctctt | aaggctgata  | aactaaaaga | aaaaataaat  | catgatttct | gggatgaaca  | 3259320 |
| acaatgcagt | tattgtgatt  | tttatggaac | tgcgggaaatg | gctttaaaag | ctgttgctgg  | 3259380 |
| agcaatagat | caggcgaagc  | taagtccgtc | tggtgagaat  | gaagatatta | ttccttttta  | 3259440 |
| tgagcaatta | cgtcaaaata  | tactctcgta | cgatactacg  | tatagcaaag | gatggttcac  | 3259500 |
| taataagaat | tgggttataa  | atacgccgat | ggaatgcggt  | atagtcctt  | atgacagagg  | 3259560 |
| tgtacaagcc | ttaaagcaga  | ttcgtcaata | taattgtggt  | gaatatggac | catatctgtc  | 3259620 |
| tgccgttgag | aaaaagcaaa  | tgatgactat | ttcgacggga  | gtacaagctg | ttgctgaagc  | 3259680 |
| taaatataga | agaatagata  | gctctgtaga | atatctgggt  | atgatagcaa | atactttagg  | 3259740 |
| attgaatatg | cctgggtgcc  | taaatgaaat | gatgcctgat  | tacggatgtc | catttccaggc | 3259800 |
| atggactatt | tatggaatgg  | caacaggtct | tatttctggg  | tgttttggaa | tagaaccata  | 3259860 |
| tgcagctgat | aaaacaatta  | ttgtagctcc | tcagcttcc   | gaaaaatgga | ataatatggc  | 3259920 |
| tttacgtaaa | ttgcatgtag  | gggataatta | tataaatttg  | tctgtaaagc | gtaatgctaa  | 3259980 |
| ttcattgaca | ttatcttatg  | attctcaaaa | tgatggatgg  | aaaacagggg | tatatctgcc  | 3260040 |
| gggcatgtct | aaaagaaata  | taaatgttaa | tggaaaaaat  | ttgaagtga  | catctgatac  | 3260100 |
| gctttggaca | catgaaaaaa  | gtactatatt | gaaaatttct  | aattgatttt | tttacatttg  | 3260160 |
| cactaatcca | tactaaaaat  | atggattggg | gtaaatggac  | ataattgttt | tttgtattgt  | 3260220 |
| ttttatgaat | tgatgcgaaa  | tttattttcc | ttatataaat  | tatgtatatt | cttttctatt  | 3260280 |
| ctgctgactt | cctgtacgca  | gcagaataag | acgattcgta  | tcggtttttc | acaatgtact  | 3260340 |
| gggtgtgaat | ggcgtgaaca  | gcttaatcaa | gaaatacttt  | cggaagctaa | attttatgat  | 3260400 |
| aatcttaagg | ttgatataaa  | gaatgcttca | ggaacatttc  | aacagcaatt | ggaagatatt  | 3260460 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aaatctttt   | ttgcagagaa  | tgtagatttg  | ttgattat    | ctccattgga  | ggacagtact  | 3260520 |
| ttaattgatg  | cttttaatag  | tttggatttt  | caaaatattc  | cgggtattatt | agtcgatcgt  | 3260580 |
| aagatttctt  | ctaataaata  | tgtttcgttt  | gttgagacca  | gtaattggga  | agttggtgta  | 3260640 |
| cgggctgcaa  | agtatgtatt  | acagttacgt  | ggtgataaac  | aaactcgtat  | tcttcacatt  | 3260700 |
| cggggatttg  | aaaattcaac  | agcgacaata  | gagcgtgagt  | taggatttat  | aaatacatta  | 3260760 |
| cgtaatgacg  | aaaatatgga  | agttcagaca  | ttgacttctg  | gacaagattt  | agggggtaaa  | 3260820 |
| aatgtaaaatt | ctacgatacg  | gatacttaat  | gacaatatct  | ctttgttgaa  | aagcgttgac  | 3260880 |
| gtaatctata  | cttataatga  | tgctattgct  | atagctgctt  | acgatttact  | caaaaaagca  | 3260940 |
| aatacgggac  | atatgcctac  | tattataggt  | gtagatggta  | tgcttgata   | taagaagggt  | 3261000 |
| ataaaatgctg | ttatggaagg  | tacttttagct | gctactgtgg  | tttatccgac  | aggaggcgct  | 3261060 |
| aaagtgattg  | atgtagggat  | gaagatcatt  | aatcacatat  | cagttcctaa  | agaaaatttg  | 3261120 |
| ttgtctacga  | tcttgataga  | taaaagtaat  | gttcaggctt  | attatttgca  | aggacaggag  | 3261180 |
| attgtagaac  | ttcgtcaaaa  | gataaattta  | ttacagcagg  | agaaaattgc  | tcaaaagaat  | 3261240 |
| caatatagac  | agattgtaca  | atggggaatt  | gttgctgtaa  | gtattctttt  | gggtggatgg  | 3261300 |
| ggaatatttta | ttgttttatt  | atatataaaa  | aagcgcaaga  | ataaaccagt  | tctggaggta  | 3261360 |
| caagattctg  | aaaatgaaga  | taacataaga  | aaagagaatg  | aagattatgc  | tcaatttgag  | 3261420 |
| gagaggggtg  | tatgctacat  | aaaagagcat  | tatatggatt  | atgattgcga  | tttgagtata  | 3261480 |
| ttgattaatg  | aattggctat  | ttctaaaatt  | aattttttaca | ctactgtcca  | ataaaaagttg | 3261540 |
| gttaatgggc  | ctttgaaatt  | gttgaaatac  | agtcttttaa  | gcagtatttt  | agaatgaaac  | 3261600 |
| ggatttgaat  | tcgtagctta  | gcggtcaaat  | tgaatgccgc  | ttatgaacca  | agataaatac  | 3261660 |
| gtattcgctc  | aacttaccgc  | ttttatgaac  | agaacacaat  | tcaataactt  | tgttcgcaag  | 3261720 |
| tataatggta  | atcgctacgt  | gaaacaattc  | acctgctgga  | atcagttact  | tgctatgatg  | 3261780 |
| ttcggacaac  | tgagcaatcg  | tgagagtctt  | cgcgacttaa  | ttgtagcttt  | tgaagcgcat  | 3261840 |
| caagccaagc  | aatatcatct  | tggtctggga  | cgcaatccaa  | tagccaaagc  | caccctcgct  | 3261900 |
| tatgctaatac | agaatcgtga  | ctacagaatc  | tttgaagact  | tcgcattcta  | tataatgaag  | 3261960 |
| gaagcttgtg  | aaaagcgagc  | gaccaacatc  | ttggatattc  | caggggataa  | gtatgctttt  | 3262020 |
| gattcaacaa  | ctattccgtt  | gtgtctagcc  | acattttccat | gggcgaagtt  | ccgaagaaag  | 3262080 |
| aaaggagggtg | tcaaagctca  | tgtcttatat  | gacattgaag  | cacaagttcc  | tgcttcttat  | 3262140 |
| actgtaacca  | cagcatcgaa  | gcacgactct  | acagcgatgt  | gttcaatcca  | ttatgaacca  | 3262200 |
| aatgcttatt  | atatattcga  | cagggcttat  | gactctttta  | aggaactata  | taggatacac  | 3262260 |
| ctgacagggt  | cctttttcgt  | tgtagagct   | aagacgaact  | tgaaatacac  | aatgggttaa  | 3262320 |
| tggaagcgta  | ggatgcctaa  | gtatgtactt  | acagatgctg  | aagtgaact   | gaccggatac  | 3262380 |
| ctctcagaga  | agaaatatcc  | cgagtcattc  | cgactcattc  | gttactatga  | tgaagagggt  | 3262440 |
| gaccgtgagt  | tcactttcct  | gacaaacgca  | acacatattt  | ctgcattgga  | cgttgctaata | 3262500 |
| ctctacaaga  | aaagatgggt  | ggtcgagcta  | ttcttcaaat  | ggctcaagca  | gcaccttaaa  | 3262560 |
| ataaaaaagat | tctggggcac  | aacggaaaat  | gctgtccgca  | ttcaaatacag | tgtagcaatc  | 3262620 |
| atcacttact  | gtctagtggc  | tattgtccaa  | cacgatatgc  | aattgaagcg  | ctcaacttat  | 3262680 |
| gaagttttgc  | agatttctaag | catctctcta  | acggacaaaa  | ctaacttgcg  | tgaactgttc  | 3262740 |
| gataagactg  | atttcaacga  | tgtcaaagaa  | ctcgattatc  | ccctttttga  | aggactat    | 3262800 |
| gattaatttt  | ttaactagtc  | cattttttatt | ggacactaat  | gtaattttta  | caaacagttt  | 3262860 |
| aagttaactt  | tcaaagatac  | tcccaataat  | tttttgaaaa  | gatttagatt  | ggataaggca  | 3262920 |
| aaagaattga  | tacttgaggg  | taaatatacg  | tatgctgaaa  | tcggatataa  | agttgggttc  | 3262980 |
| tcttcgcctg  | cttatttttac | taagtgtttt  | aaggaggagt  | tcaatatgac  | gccttctcaa  | 3263040 |
| tattttgaga  | aaaaaaca    | aaaaaacatc  | aaacagatag  | gtgctttttat | tggtactgat  | 3263100 |
| aaactgtttt  | aaagtatttc  | ttgtctttat  | ccctcccga   | agaggtaaaa  | agacctgcag  | 3263160 |
| atgcttcaac  | tgaacgtct   | gcaggctttt  | ttgttttttg  | tacaaaaaat  | aaaatgtttt  | 3263220 |
| gtacaaaatt  | tcggtcaagc  | actacgacgg  | tgtttcttac  | ttatacgctt  | gatccagaaa  | 3263280 |
| taatatccc   | taagtggcaa  | gatacctccg  | atgaaagccg  | acagaaagta  | cagaatgcgg  | 3263340 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| gaaatagggt  | gcttatcggc  | atcgtatctt  | tcgatagcag  | taatctttcc  | ggtatgtatg  | 3263460 |
| tcgaaagagg  | ctgtatctcc  | tttccgtttt  | ccggtctgaa  | taatctgtac  | actattttcta | 3263520 |
| ctcaacagga  | tgttaccgta  | acgattgtag  | cggctttgca  | gttctgaaag  | tgcagtgtcc  | 3263580 |
| catacttgat  | aatccaattt  | ttcgggtttg  | ctcttctttt  | ctttcttgtc  | tttgttttct  | 3263640 |
| ttggcagggt  | cagtgtgttg  | tgtctgttct  | gtagaagcac  | caaacaacgc  | ataaaatccg  | 3263700 |
| gtgcgatacc  | atcggaaacga | ccaggttggt  | ccggttaagg  | ccataactaa  | caaaaacaga  | 3263760 |
| gtagcataaa  | agcccaaaga  | gacatgactg  | tcgtaccaga  | accggaaaga  | ccctttgctg  | 3263820 |
| catgaaacct  | tcaatcgggt  | gtgcaggctc  | ttacgagttc  | ggggccacca  | gagtatgatg  | 3263880 |
| ccggaaaacta | aaataactat  | catcagcagg  | gtagtgatgc  | cgacaattgt  | ctttcctgta  | 3263940 |
| gaagaagctc  | ccttttgtgc  | aggggcatcg  | agcagccagc  | gatgcagttt  | gcgaatggtc  | 3264000 |
| tggaagaaaag | cgtttccttc  | tacccatccg  | tttattttctc | ctgaataggg  | gttgacactt  | 3264060 |
| aactgacgtt  | gcccggcatt  | ggtgaaactt  | accatccacg  | cttctttggg  | gttgctggct  | 3264120 |
| at ttgcagag | tactgatttc  | caacgtatct  | cctgtttgct  | ggcagacgcg  | tgtaatgatt  | 3264180 |
| tctgatggct  | ttaaggggtt  | actgccttct  | tcatatttta  | cagtatataa  | atgagggctg  | 3264240 |
| caagcacggg  | ttatttcttt  | ctcaaaaacc  | aggggttgccc | ctgtcaggca  | gattaccgag  | 3264300 |
| ataatcagtc  | cgacggggac  | ggacagccat  | agatgtattt  | ttttgaatat  | tttcttcatt  | 3264360 |
| gttactctca  | gaatgattta  | ggagataata  | aacctacggc  | agcaacttca  | tctgctatga  | 3264420 |
| tgcttattcc  | tttcgtagca  | atggctgtag  | ctggatctat  | tttatacaaa  | gccggataat  | 3264480 |
| taccgtcgtt  | ggttactacg  | ggaatataag  | ccactccggt  | ggtacagaaa  | ggagtaccca  | 3264540 |
| gtgatgttat  | actactctga  | ttgggtaatc  | cgcttgatac  | agtcgtgagt  | tttccgtctt  | 3264600 |
| cggctttaaa  | tatagccagt  | tcggtcacia  | cagcattctt  | tccattcatc  | atgcctgcta  | 3264660 |
| ctccgtctgt  | gtacatttgc  | atcaggaagt  | aatcctgcgt  | gatgtgccag  | cagcgggaaca | 3264720 |
| tcggtttctt  | gttgcctaata | tcttccaagt  | tataataata  | gttcgagtcg  | aaacttggtt  | 3264780 |
| cgctgcctt   | gatgcgcata  | actcccgaag  | gaagtgtacc  | ggtcactttt  | ttcaggtcgc  | 3264840 |
| tggaagaagt  | tgccgtacgt  | ccatatcccg  | gagagaaaac  | atataagtcg  | ccgttatcgg  | 3264900 |
| cagcccagat  | ggtctgataa  | tactgtgaac  | ggaatcttcc  | gcaggcaaata | ccgattttat  | 3264960 |
| ctgtttctac  | aatagtaggc  | gtttcattga  | agctgtttcc  | gttgtagatg  | gcgataaatg  | 3265020 |
| ccttgtcggg  | atactgagta  | gcaggatatt  | gtccggctgt  | atacgatccg  | gaaccactgc  | 3265080 |
| ctccatccga  | tttagcaacc  | aaatcggcat  | ctgttatctt  | atcgggggaat | gtattgacac  | 3265140 |
| cgtaatgact  | cattcccattg | ggaatgaccg  | aagtatagag  | cttgtttgtt  | gcttctacga  | 3265200 |
| agcctgcgaa  | actcaciaaat | tcaccatttc  | caaggaagtc  | ttcggcaatc  | tgtgtacctg  | 3265260 |
| ttgttggttt  | gccattggta  | gcattcaggt  | agttgaactg  | aagatatttg  | gcaaaatggt  | 3265320 |
| ctccgtctgt  | ttccttgctt  | ccattatttg  | tagaagcagt  | aattacgttg  | ttgcccaga   | 3265380 |
| taccgtacgt  | tgtaatgcgg  | ttgaatgtat  | acgaattatg  | ttctgcaggc  | tttccggctc  | 3265440 |
| actgttcgag  | tatgtacgaa  | gctcctgtac  | ccgcctctcc  | gttgtttgtat | ttcaagctga  | 3265500 |
| agagatagtc  | tgtaccatag  | aaaaccaggt  | atgaacctcc  | gatggtttctg | gttccttttc  | 3265560 |
| ctaccgaagt  | aatggttcct  | tcgtcgagtg  | attcggaagt  | gataagataa  | gtagcgctac  | 3265620 |
| cagtccttgc  | cgcaatgaca  | tattgattgg  | ttccggttgc  | tgatgctccc  | ggatttccag  | 3265680 |
| ttacatgttc  | ttcgtgcaa   | gagctgaaca  | gattggctga  | acagatagca  | acagccagag  | 3265740 |
| cctgtgtgaa  | atattttttt  | tgcattgttct | tttatatttta | aagtatgatt  | aattttccaaa | 3265800 |
| attcactctt  | at ttttccgt | agaaagcccg  | tcctgctttt  | tgcaggctga  | agttatcgta  | 3265860 |
| cagtttggca  | ttgggtcagg  | tacggcattc  | gaaagaaaga  | ttgtaacgcc  | ctccttttcag | 3265920 |
| gctgtatccg  | atgctgagat  | tatgcgagag  | ctgttcgggc  | acgcggattt  | tagtggtcgg  | 3265980 |
| atctcctaag  | ttttcccaat  | acaacgggaa  | atcgtgctga  | taatattccgt | cgtatcccaa  | 3266040 |
| tgtagtagta  | tttcccttgg  | caaacaatc   | gtgccaaagta | agcgaggcat  | cgaagttggc  | 3266100 |
| atacagatac  | ggctgattgg  | ggatacgtg   | tcggtacgtc  | aggctttcct  | gctgagtacc  | 3266160 |
| tccggcacgg  | tatttttctt  | cgtcgcgggc  | attcattgaa  | ttgaatgtac  | cccctatgtt  | 3266220 |

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| gtggttctcg  | taatatccga  | aactcatgtt  | gcttacctgc  | gacaatcctc  | gcttgatata  | 3266340 |
| gtccttggt   | tcgcgataaa  | tcaggcttcc  | ttccacgtaa  | atggcatgct  | tgccgatatg  | 3266400 |
| gtaggaataa  | ctcaggttca  | gggtgaagtt  | gtcgcttctt  | tccggtttca  | aatccgcttt  | 3266460 |
| tcccgcctcc  | aagtcctcgt  | caccgaacag  | ctcatcggtg  | gtgggcagac  | gatatgcctt  | 3266520 |
| ttcgtaagaa  | agtttagcct  | gcaggtcttt  | cacgatgaaa  | taagttccc   | cagcaccata  | 3266580 |
| tcccagtgaa  | ttgagatggt  | tcttcagcag  | gatataatta  | cctattccat  | ctgaattttg  | 3266640 |
| tgatacagga  | ccttcattat  | actggttata  | gtattttggcg | aaggcggaaa  | cattccattt  | 3266700 |
| atcggaaggc  | atgtatcggg  | acgacagtcc  | ggtgatgttc  | ttccgtgtct  | tctttggaat  | 3266760 |
| gctgaaatcg  | gaaagcttgg  | agctgcccga  | tatatacgaa  | cgagttgtac  | ggtggaaggt  | 3266820 |
| actgattacg  | tgattcagtg  | ttaaaggtatg | tacttctcct  | atacggtaat  | tggctgtaaa  | 3266880 |
| cggtccgttc  | cagttcgtat  | ttttcgattc  | attatttttg  | tgcgactgtt  | ctcccgggtg  | 3266940 |
| tccggtatat  | ttcttgtcac  | ccagccagtt  | gtattttgtg  | gatgcagtat  | cgatattatg  | 3267000 |
| ggtaatgtta  | tgggtataat  | tggccgttgc  | cgatacatcc  | agcccttcaa  | tcaggagatt  | 3267060 |
| acgcttgcg   | tattctaccg  | acgggacgaa  | cgaatatcct  | ttacggtgtt  | tttgaccgaa  | 3267120 |
| gactacatac  | tgataaaactc | ccgtctgaat  | ttccttatag  | aaattggaat  | agttgaagct  | 3267180 |
| gaataccagt  | cggctctgcc  | agcttttgtc  | catgactcct  | attttcccga  | taacagcctc  | 3267240 |
| gttgtggaac  | gtatcgttga  | aacgctttac  | gtgatagatt  | tttttcttgt  | ccgtactttc  | 3267300 |
| ggtaataccg  | tcgtcgccaa  | attcgggtgat | atagttatcg  | atataatagt  | cgttgtctga  | 3267360 |
| ataattctga  | aaagcattga  | tttcgtacat  | cagaccattc  | ttgaaagtct  | gtccgaagtt  | 3267420 |
| gacatacgat  | ttatgggtgt  | tgaacgagcc  | atacgaataa  | gacgcacga   | gaaaccagtt  | 3267480 |
| gcgacgcttc  | ttattgggtta | caatgttgac  | aactcctccc  | aaagcatcgg  | ttccaaagcc  | 3267540 |
| tacagggtact | actcccttgt  | atacttcaat  | gcgttcggca  | aaattgacag  | ggatatttgt  | 3267600 |
| caagtcaaaa  | gccgtgcctg  | ccccttcctg  | cggtagaccg  | tcgataaaga  | tctttacatg  | 3267660 |
| tttcccgcgtg | aaccatcga   | gcatgagttg  | catgtctgat  | cctacacctc  | ccgattccc   | 3267720 |
| aagtttcata  | cccgaagtt   | ggtttaatgc  | ctcactcaga  | ccttttggtg  | aattatgcag  | 3267780 |
| ttccttcgta  | tcgacagcga  | ctgcattgaa  | tgcagatttc  | ttgacacgtc  | ctactccggt  | 3267840 |
| ggatgtaact  | accacttcat  | ccagctcggg  | taccgaaggc  | tttagcaca   | cagtctgttt  | 3267900 |
| cgtacgtccg  | tcggacacga  | tttcgattgc  | tttttcgtat  | gtttcaaacc  | ctacggctga  | 3267960 |
| aacgacaagc  | gtatattttc  | cagccggagc  | cggtagatga  | taaatacctc  | gttcgtcggg  | 3268020 |
| tgtacatcca  | tactgtgtac  | ccttcaagta  | gacagttgca  | aagtcaacaa  | tcgtttttatc | 3268080 |
| agtcgataca  | actttaccgg  | aaaataacgt  | acggggctga  | gctactaaag  | aaacacaaaa  | 3268140 |
| aaatagtgt   | attaaagtga  | gtatgccgtt  | ttttatcatt  | gattcttttc  | ccttaaatta  | 3268200 |
| tgatacctat  | atacttttca  | aatcattat   | ttttgacaat  | gcaaagtatt  | atagccagag  | 3268260 |
| aaaaggcatc  | aatcgctaaa  | tttggttatt  | tgtgttggt   | aaaatctcgg  | atataagtaa  | 3268320 |
| aacggcaata  | cctaaatatt  | ggtattgtag  | tttagtcgaa  | aactttgaag  | gtatatcctt  | 3268380 |
| gttccagcag  | ccactctata  | gagcggggta  | gagcatattt  | catacgtgcc  | tccgacttga  | 3268440 |
| tagagtcgtg  | gaacgtaatg  | atggagccgt  | tgcgagcgta  | gcgcttttac  | ttttcaaaaa  | 3268500 |
| cttgcttccc  | gtttaatcgc  | ttactataat  | cgcggtttac  | caagtcccac  | attacaatgc  | 3268560 |
| gatactttct  | tttcaatacc  | atatattgta  | gccagcgcat  | atgtccgtga  | gggggacgaa  | 3268620 |
| ataagtctgt  | gtgaagatat  | tcgttggcct  | tgtctgtatt  | ggcaaggtaa  | tttttgctca  | 3268680 |
| agaattcaaa  | tccccgaata  | tgattgaatg  | tatgatttcc  | gatgcggtgt  | cctctctcca  | 3268740 |
| ctaccatacy  | aaactcttct  | ggatgtttac  | gtacattatc  | tcctaccatg  | aaaaaagtag  | 3268800 |
| ctttaatacc  | atattttatcc | aacaaatcga  | gtacccatgg  | agttattttca | gggatagggc  | 3268860 |
| catcgtcgaa  | tgtagagtaa  | acagattttt  | cattcttgtt  | catgcgccat  | aacgcacttg  | 3268920 |
| gatataaaa   | gcgcaatatt  | ttcgggggtt  | gttctattaa  | catgaataaa  | tgcagtcctt  | 3268980 |
| gtgattttct  | tgaaaaaaga  | aaatcacaga  | ggaacaatta  | ccaagtcaca  | aggtttttgtt | 3269040 |
| cctctgtgtt  | tttctataga  | aaaattttata | tcagaaatct  | tattgatttt  | ccgggtgggt  | 3269100 |

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|             |             |            |             |             |             |         |
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| actgcctaca  | cggcggttcca | gtaactgata | aagttgtctca | aacttctgtg  | cataatgggc  | 3269160 |
| tgccgattcc  | agttccttgc  | ccgtcttggc | atctttcagg  | ttcgacagag  | ctttgcatac  | 3269220 |
| atcatccagt  | atatagaagt  | gacgcataca | ttcttcgtat  | gaaccggcga  | aacgctcgtc  | 3269280 |
| atcaaggctc  | agataccagc  | ttgtatactc | tactgagttg  | ttggccagtt  | gttcaagtat  | 3269340 |
| gttttcagct  | ttcttggttt  | gtcccagttg | agcgtaatcg  | tctgccattt  | ctttcgaact  | 3269400 |
| gctataaata  | tagtcgtgac  | ggacagttgt | actaggaatt  | accttttcac  | aatagtccaa  | 3269460 |
| tgctttcaaa  | gccttgtctt  | tcttaccttc | ttttatcaac  | tgactggcaa  | gctggacaaa  | 3269520 |
| caggcgctcg  | tgtgtgtcac  | acatacggag | tactgtttca  | tccaggtaaa  | tatcagggtt  | 3269580 |
| atcgaatgcc  | ccaaatttaa  | atttggtcat | caagttatta  | tacatctttt  | caactgtcga  | 3269640 |
| acgacgtcct  | aacttgatat  | tatcgaaagg | agtgtacagg  | taagccagtc  | cttcctgcag  | 3269700 |
| gaagttgttt  | gtcagattca  | tttgattttc | ggttcctaca  | gtgatagcca  | tatacatcgg  | 3269760 |
| acgttcccag  | ttggtattgg  | caagcatttc | cagcatcatc  | agttcactct  | tgtatagtac  | 3269820 |
| acgtttgcct  | ttcagcgaaa  | tatgcatgta | gtctggaatt  | gagtcaggag  | tcagcatgcc  | 3269880 |
| agaacgcttg  | atggcttctt  | tatccagttt | gatgacaata  | ctgtcggttg  | gaatcatttg  | 3269940 |
| caagccttct  | ttcggcgaa   | gtaccagta  | cttcagaata  | ttcttcagtt  | cgtacgggtt  | 3270000 |
| atcaccaaat  | tcttttttgg  | cttcttccgg | attctgcttg  | tagaaattgt  | ttatggtttc  | 3270060 |
| cattgcttcc  | ggacgtacat  | atacagcttc | attgtgtcct  | tgtacatagt  | ctatacgttc  | 3270120 |
| ccagttgata  | ggaacagacg  | gagaatcgta | ggccggccgg  | cgcactctgt  | cgatgtacca  | 3270180 |
| gtctgtctgc  | aagtagctga  | ggttacatac | acgtacatcg  | gtacggaatc  | cttctgtttc  | 3270240 |
| ttggttatac  | cagagcggga  | aggtatcggt | gtcaccattg  | gtaaagatta  | tcggattgcc  | 3270300 |
| tttgtcttgt  | acggtactca  | ggtagtcttg | tccgaagtcg  | cggcagggtat | aacgtccgct  | 3270360 |
| gcggtcgtgg  | tcatcccacg  | tctgacttac | catctgtaca  | ggtaccagca  | ggcagacgat  | 3270420 |
| gcttgccaga  | attgctgccg  | gtttttcgct | catacgtttg  | ctcagccatt  | cggagatggc  | 3270480 |
| ggctacaccc  | agaccaatcc  | agatagcaaa | ggcatagaat  | gaacctgcgt  | atgcataatc  | 3270540 |
| acgttcacgc  | ggttgctgag  | gtgtctgatt | cagatacaga  | acgatagcaa  | gtcctgtcat  | 3270600 |
| aaagaacagg  | aagaaaacga  | tccagaattg | ctggattccc  | ttttctcctt  | tgtatgcctg  | 3270660 |
| ccagaacaga  | ccaataagtc  | cgagtatcag | cggcaaacaa  | tagaagacgt  | tatgtccttt  | 3270720 |
| attgttcttc  | aaatcggatg  | gcaacaggct | ttggtcacct  | acaagatact  | tgtcgaatga  | 3270780 |
| gggaatgcct  | gtaatccagt  | taccatgtct | tatttctcct  | tggccctgga  | tgtcgttctg  | 3270840 |
| acgtcctgcg  | aagttccaca  | tgaaatagcg | ccagtacatg  | tagttcaact  | gatagataaa  | 3270900 |
| gaagaacttg  | atgttatccc  | actgggtagg | aatcttgacc  | atcagcattt  | ctccgcattg  | 3270960 |
| atcatatgga  | acttgtcgtc  | cttctactcc | tcccagccag  | tcttcataag  | ctttggcatg  | 3271020 |
| atcggaaactc | cacatacgcg  | ggaaaagcat | gttctgtgca  | tacttatatt  | ctgttttggt  | 3271080 |
| acgtactact  | tcgtagctgt  | ccttttcac  | cggacgttcc  | ttttctttac  | gctgggtatac | 3271140 |
| cgggtgcacct | tcggtcatat  | cgtaagtaca | tccgccatcc  | acttctttca  | gcgcaatttt  | 3271200 |
| tgaagcataa  | gtctgacat   | agaacaacgg | gcgtgtaccg  | tattgttcac  | gtcccagata  | 3271260 |
| ctcacctaag  | gtaaagatgt  | cttccggaga | gttctggtcc  | atcgggggtat | ttgccgatga  | 3271320 |
| acggattaca  | attacggcat  | acgaagagta | tcctacaacg  | atcatcatca  | gacagagcag  | 3271380 |
| agaggatttc  | agtgtacgtg  | cgcttactcg | aagtttttcg  | ggcagggtcag | caaataaata  | 3271440 |
| aatggccaat  | ataaccaata  | cgatgatgcc | aatcagtaca  | ctgctccagc  | cgtgtccgta  | 3271500 |
| gaatggaata  | cctaccagac  | cgacggtggg | aaggaatgag  | atattcatga  | gtttgcggct  | 3271560 |
| gcggactgta  | tagctttcgt  | atactcccca | tataatgctg  | gctgccagta  | tgataatgta  | 3271620 |
| gataatcagt  | ccggtattga  | atgagaatcc | cagtccgttt  | acaaacagga  | gttcaaacca  | 3271680 |
| tccacctact  | tttacgatac  | ccggtacgat | accatacaat  | acagcagcta  | caagtacat   | 3271740 |
| ggagccgatg  | agagctatta  | tactaccttt | caggctggca  | ttcgggtttt  | tcttgtaata  | 3271800 |
| atataccagt  | acaattgccg  | gaatacacag | caagttcaac  | aggtgcacac  | cgatagaaag  | 3271860 |
| tcctgtcagg  | taagcaatca  | gtattaacca | ccggtcgcta  | tgggtctcgt  | ttgcccgggt  | 3271920 |
| ttcccatttc  | agtatcagcc  | agaataccaa | ggctgtaaac  | aagctggagt  | atgcatatac  | 3271980 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| ttcaccttct  | accgcactga | accagaatgt  | gtcactccag  | gtataggcaa | gtgcgcctac  | 3272040 |
| cagtcccgac  | cccatgatgg | caatcagacg  | gcctgttgtc  | atgtcttctt | cttgccggaca | 3272100 |
| tatcagcttt  | ttagccagac | aagtaatact  | ccagaacaaa  | aacaagatac | atgctgcact  | 3272160 |
| catcaatgca  | ctcatggtat | ttacatgctg  | ggctacttgc  | gaaggatcac | ttgtgaactg  | 3272220 |
| gctgaaaaga  | ttagccgtaa | gcatgaagaa  | aggtgcgccg  | ggtgggtgac | ctacttctag  | 3272280 |
| tttatatcct  | gttgaataaa | attcgggaca  | gtcccaaaag  | ctggcggttg | gttctatcgt  | 3272340 |
| agagcaatat  | gtaaaagctg | caatcacgaa  | cgccagccac  | ccgaccagat | tgtaaatctt  | 3272400 |
| gttgactgtg  | ttcatgtgag | ttattttgtt  | tctcattaaa  | gttcattgtc | cgcaaagata  | 3272460 |
| gtgataatct  | tttttctcat | tgcagattac  | acggattttc  | atggttttta | gcatattgat  | 3272520 |
| ttcactcttt  | atctttttta | cccgtcattt  | ttattcatga  | aggtttgacc | tttttgcaag  | 3272580 |
| aaaaggataa  | ggaggaaatt | ttataaaagc  | aatacttcgg  | taaaatttta | ccgataaatt  | 3272640 |
| aaaattaaac  | atagaatcgg | cataatccgg  | ttcaaaatta  | tattcaagag | atcattgaaa  | 3272700 |
| tactgtcaag  | aataaatcgt | caaggagtaa  | gaaaagggat  | gaaaaagata | tgctaaacag  | 3272760 |
| ctgaaaatca  | acagaaaaag | tatttcataa  | ttcactgatt  | tttagtaaat | tagaagtact  | 3272820 |
| tcaccacttt  | taattatgac | taaagaatca  | ctccttatgc  | aataccaatc | cgagtgcaga  | 3272880 |
| aacgctctcg  | aatcagctgt | aaatataagc  | aaatcttttc  | agaaagtatt | catggatgca  | 3272940 |
| atgaaattat  | tcatggctat | acctgaccgc  | atcaatttcc  | tacaaatggg | acggtatgga  | 3273000 |
| tgtttctcgg  | aacagacata | ccgcaacaat  | tttgagaacg  | acggctttga | ctggttttcc  | 3273060 |
| ttcaatgaag  | ccatcatcag | ggaacacctt  | aaaggtggtc  | gcaaggcgat | agccgttgat  | 3273120 |
| ccgtctttca  | ttccaaaatc | aggcagcaaa  | acgccgtgga  | ttggctattt | ctggtcgggt  | 3273180 |
| tgtgccgggtg | aatacaaacg | tggactggaa  | ataaccggta  | ttggagttaa | agacgttgac  | 3273240 |
| aaccatgaat  | gtatgacttt | gggctctgta  | cagacacctg  | acaacgcaac | gctggaaagc  | 3273300 |
| tgtgagaaga  | atcttggtga | ctggtacagc  | tcttacctta  | tcagcatata | ggaacagctg  | 3273360 |
| aaacgtattt  | ctggcacagt | cgtgtgtgat  | gcgttctttt  | caaaggcaac | tttcatcaaa  | 3273420 |
| ccattgtacg  | ataacggttt | ccacgtaata  | agccgtttca  | ggaatgatgc | cgtattgttt  | 3273480 |
| tatcccacct  | tagaaaatag | gacaggaaaa  | cgccgacgtc  | caaaattaca | tgacgagaaa  | 3273540 |
| attgactttg  | aaaatctgga | catcacaaga  | tgtaccgagt  | acaaagtga  | caagggtaaa  | 3273600 |
| ctttacggac  | tgaaagcata | ctccaaagca  | ctcaaacgct  | ttgtgagcct | ggctgtatgg  | 3273660 |
| taccccatgg  | atggaagaac | ggacaaatgg  | cagctgtatt  | tctctacaaa | cgaaatacag  | 3273720 |
| aacgcacagg  | atgtcctgga | cttttacaga  | acacgtttcc  | aactcgaatt | ctgctttcgg  | 3273780 |
| gatgccaaagc | aacatgccgg | aatagcaaac  | tgctcagtcta | cagacttcag | gaaactggca  | 3273840 |
| ttccacttta  | atgcatcact | tgcagcgata  | aacctcgcca  | aggctgcctg | taagaagatg  | 3273900 |
| ggaataaaat  | attccatata | atcatgcaag  | tcagtcatac  | acaatgctta | catgcttgaa  | 3273960 |
| cgatttatatt | gcgtgtctgg | gattgaacca  | aacacgcaat  | taattgacaa | acttttcaaa  | 3274020 |
| gaactcattt  | tatttactgc | cagagccgct  | taggctgggc  | taatttttaa | cgaactattg  | 3274080 |
| ctatatacaa  | tacttcggta | aatttttacc  | gataaattaa  | aattaaacat | agaatcggca  | 3274140 |
| taatccgggtt | caaaattata | ttcaagagat  | cattgaaata  | ctgtcaagaa | taaatcgtca  | 3274200 |
| aggagtaaga  | aaagggatga | aaaagatatg  | ctaaacagct  | gaaaatcaac | agaaaaagta  | 3274260 |
| tttcataaatt | cactgatttt | tagtaaatta  | gaagtacttc  | accactttta | attatgacta  | 3274320 |
| aagaatcact  | ccttatgcaa | taccaatccg  | agtgcagaaa  | cgctctcgaa | tcagctgtaa  | 3274380 |
| atataagcaa  | atcttttcag | aaagtattca  | tggatgcaat  | gaaattattc | atggctatac  | 3274440 |
| ctgaccgcat  | caatttccta | caaattgggac | ggtatggatg  | tttctcggaa | cagacatacc  | 3274500 |
| gcaacaattt  | tgagaacgac | ggctttgact  | ggttttcctt  | caatgaagcc | atcatcaggg  | 3274560 |
| aacaccttaa  | aggtggctcg | aaggcgatag  | ccgttgatcc  | gtctttcatt | ccaaaatcag  | 3274620 |
| gcagcaaaac  | gccgtggatt | ggctatttct  | ggtccggttg  | tgccggtgaa | tacaaacgtg  | 3274680 |
| gactggaaat  | aaccggtatt | ggagtatatg  | acgttgacaa  | ccatgaatgt | atgactttgg  | 3274740 |
| gctctgtaca  | gacacctgac | aacgcaacgc  | tggaagctg   | tgagaagaat | cttggtgact  | 3274800 |
| ggtacagctc  | ttaccttata | agcatcacgg  | aacagctgaa  | acgtatttct | ggcacagctc  | 3274860 |

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|             |             |             |             |             |             |         |
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| tgtgtgatgc  | gttcttttca  | aaggcaactt  | tcatcaaacc  | attgtacgat  | aacggtttcc  | 3274920 |
| acgtaataag  | ccgttttcagg | aatgatgccg  | tattgtttta  | tcccaccta   | gaaaatagga  | 3274980 |
| caggaaaaacg | cggacgtcca  | aaattacatg  | acgagaaaat  | tgactttgaa  | aatctggaca  | 3275040 |
| tcacaagatg  | taccgagtac  | aaagtgaaca  | agggtaaact  | ttacggactg  | aaagcatact  | 3275100 |
| ccaaagcact  | caaacgcttt  | gtgagcctgg  | ctgtatggta  | ccccatggat  | ggaagaacgg  | 3275160 |
| acaaatggca  | gctgtatttc  | tctacaaacg  | aaatacagaa  | cgcacaggat  | gtcctggact  | 3275220 |
| tttacagaac  | acgtttccaa  | ctcgaattct  | gctttcggga  | tgccaagcaa  | catgccggaa  | 3275280 |
| tagcaaaactg | tcagtctaca  | gacttcagga  | aactggcatt  | ccactttaat  | gcatcacttg  | 3275340 |
| cagcgataaa  | cctcgccaag  | gctgcctgta  | agaagatggg  | aataaaaatat | tccatatcat  | 3275400 |
| catgcaagtc  | agtcatacac  | aatgcttaca  | tgcttgaacg  | atattatttg  | gtgtctggga  | 3275460 |
| ttgaaccaaa  | cacgcaatta  | attgacaaac  | ttttcaaaga  | actcatttta  | tttactgcca  | 3275520 |
| gagccgctta  | ggctgggcta  | atttttaacg  | aactattgat  | aaaagaggaa  | aaagtaaaaa  | 3275580 |
| cgagtttggt  | atattattag  | tcgtgatgat  | gactttttta  | taccgatga   | ggcaggttgc  | 3275640 |
| catgtcccag  | taattcaata  | gggcaaccga  | agtgtcttct  | cagccattct  | gtagggatct  | 3275700 |
| ccgtatcggg  | atgataatca  | agtgtaccgt  | tcacacaggc  | tatcgatttg  | acattctgca  | 3275760 |
| atacgggtacc | gatgtcatgg  | ctgaccaaaa  | taatagcccg  | ttctttattg  | atatacctcca | 3275820 |
| gaagggaata  | aagctttgct  | tcaaaacggt  | tgctgatata  | ggatttgggt  | tcatccaaga  | 3275880 |
| tcacgacctg  | aggatctgaa  | accagtgcgc  | gccccagcaa  | cgacagtgtg  | aactgtccgc  | 3275940 |
| cactcagttg  | tccgatggct  | ctcttttcca  | gtccttccag  | tcccatgcgg  | gcaatgatgg  | 3276000 |
| cccgtacctg  | ttcgtgctgt  | ctggcggtga  | acgaacgtaa  | taaggatttc  | tgcttattca  | 3276060 |
| gtccggataa  | tacgacgtcg  | tatacggaga  | tggggaattt  | cttgctgatg  | gaattgtatt  | 3276120 |
| gtggcaagta  | ccccatacta  | atttccggca  | caacttttcc  | ttctttgtaa  | aagcgtattt  | 3276180 |
| ctccccgatac | gggatggatt  | aatcccagga  | tgatttttat  | cagagtgggt  | ttccctccac  | 3276240 |
| cgttcggacc  | gatcactcct  | agaaaatctt  | tttcgtacac  | agtgagattt  | acatcatcca  | 3276300 |
| gtactagctt  | gcggtcgtat  | gccgcatgga  | tatggcttaa  | ttgtatgata  | ggttgtttgt  | 3276360 |
| ccatatatcc  | tttattcact  | taaggctttt  | gctatagctg  | tcatttctgc  | ctgccattta  | 3276420 |
| taacttaacg  | ggtaaatgga  | aacaatcttt  | gctcccgttt  | ccttagctat  | aattgcagca  | 3276480 |
| tttcgtgtat  | cgaattcctt  | ttgtataaag  | attacttgta  | catgcttctc  | tttgcaacga  | 3276540 |
| cgtatcaatg  | attgcagatg  | agcagggtgaa | ggttcttttc  | ctccttcttc  | aatgctaata  | 3276600 |
| tgttccagtc  | catagtgcgc  | tgcaaaataa  | gaaagggccg  | gatgatagat  | taagaaagtg  | 3276660 |
| cacgttttat  | tttgcaggta  | ggcacggatt  | tctcgggtctg | tacgttctat  | ttcctgtttt  | 3276720 |
| aactttgtca  | gattttcctt  | ataatacgct  | gtgtttgctg  | catctaatagt | acagagagca  | 3276780 |
| tcgaaaatat  | tatcggctat  | gatataggca  | ttttgggtag  | aactccatat  | atggggttct  | 3276840 |
| acgccacctg  | catgcgagtg  | actgccatgg  | tcgatatcat  | tttcccgtat  | cagactgact  | 3276900 |
| ttatccgaca  | aattgaaaaa  | ttttacttcc  | ggtgcattgc  | tttgagctt   | ttcggcccat  | 3276960 |
| acttgttcaa  | agccaatgta  | gccaatgcgc  | agaaaggctt  | ggctttgact  | caatgtaaca  | 3277020 |
| agctgttggtg | gagttggatc  | gtatgtttca  | ggattacttc  | cttcgggtac  | catgctgatt  | 3277080 |
| atccgatatt  | tatctccagc  | aatagcctct  | gtaaaataac  | ggagtggctc  | gatgcttacc  | 3277140 |
| gtcagagtag  | cttgctgcgt  | ctgttgctgt  | cgattaccgc  | atgcaaccag  | tacaagcaag  | 3277200 |
| ttaaaaaaaaa | gtatgatata  | ttttttcatg  | agattaccat  | taattgtatt  | tggcaaagat  | 3277260 |
| acgaaaaaat  | attatttacc  | tgacggattg  | ttgaggctgt  | tgggcgactc  | tttgtactgg  | 3277320 |
| gttgggggtga | tacctgtata  | ttttttgaaa  | gcagtactga  | aataccggct  | ggtagaaaag  | 3277380 |
| cctgtacgtt  | cggctatttc  | cgtcatattc  | aggtcacttt  | gtcggagtag  | ctccatcgct  | 3277440 |
| ttttcaatac  | gtagcttatt  | gacatactca  | ttggccccc   | tgctgtcag   | cgtcttcaac  | 3277500 |
| cgattatata  | atgatgcacg  | gctgatacct  | aattcctgac  | tgatgaattc  | tacgttcaat  | 3277560 |
| ccttcatttt  | ccatgttatc  | ggtgataacc  | ttgttcagtt  | tgaaaaggaa  | ggaatcatcg  | 3277620 |
| gccgatgtca  | ttggtttgtc  | tgtatccgct  | acgatagagt  | tgcgggtata  | ttttaatcgg  | 3277680 |
| atgtgctcac  | gtaaaataaag | tctgtttcgt  | acactctcca  | gtaatgagtt  | gatttcgaaa  | 3277740 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
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| gttcgagctg  | taagtaggat | tacctgaata | tgattgatat  | tcattgtcttc | cttgattctg  | 3277860 |
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| atttctttga  | gggcaatctg | aagagcttct | tttccgtttg  | aggcaatgta  | taagttctta  | 3277980 |
| aaactgtctt  | tcagagcttc | cgttaccatt | tgctcgatag  | tttcattatc  | atcgacaaat  | 3278040 |
| aagcatgaat  | agtctttagt | atttattgag | ttggctatcg  | gcgtatatatt | ttcttcttct  | 3278100 |
| ggagctgctt  | tcgtgagaat | attcagatat | tcacgcggag  | ggcagatttc  | ggatgattgg  | 3278160 |
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| attttccctt  | tatgcatttc | taccaaatt  | ttagaatagg  | aaagcccaat  | tccacttccg  | 3278280 |
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| aaaccaggtc  | cttggtcgtg | gacggagatt | cgtaccgatt  | gtttatcttc  | ggtcaattct  | 3278400 |
| gtgcgcagcg  | tgatgctgct | atctgtagag | ctatgtttaa  | acgcgtttac  | tatcagattc  | 3278460 |
| gtaagaatga  | taatattggc | ttcctggctg | aattctactt  | cccctacttc  | tggtgatagc  | 3278520 |
| tcgtagagta  | tggtaatatg | cttatcttct | tcctcgtatt  | tgaagtcggt  | tgctatttcc  | 3278580 |
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| tttctcaggt  | tcaataccat | gttcagcagt | tctttcattc  | gtttggactg  | tttcaggatg  | 3278700 |
| cttctgaggg  | taggatatat | aggattatcc | tgaggcattg  | tttttaccag  | ttggttcagt  | 3278760 |
| ggagtataaa  | tcagtgttag | aggtgtacgc | aattcatgat  | tgatatttat  | cagaaaacgt  | 3278820 |
| accttttctt  | catatatatt | ctgtttatgt | tcttgtaaat  | cagctttcat  | tcgttcttct  | 3278880 |
| ttacgattta  | gcagatagag | aatgaaagca | ataagcaatg  | ttgcagccag  | aagtatccat  | 3278940 |
| aataaaattga | accaccatgt | ctgataccat | acgggtggta  | tatggagagt  | gatgacttgt  | 3279000 |
| tgtggagcag  | tccatgagcc | atctttggta | ctgcaggaaa  | ccgaaacatg  | ataagttccg  | 3279060 |
| ggggtaagtg  | agcggaggtg | cagttcagga | agtttgctgt  | ctgtgggttg  | ttcttcctta  | 3279120 |
| ccatcaatat  | accatcggtg | tacttttttc | ctgaatatat  | tactttcgtg  | ggccatcacc  | 3279180 |
| tttataatga  | ccgttttgtt | gtcgaagac  | aaatcgagag  | aatgctcatc  | ctgatcgatg  | 3279240 |
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| gggatggtga  | tgctgctttt | attaccatca | atatacaaca  | tgccgttaat  | acctcccagg  | 3279360 |
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| ccatcagact  | ggtccaatga | aatcagttta | ttttcattgt  | caagccatac  | aaaaagttct  | 3279480 |
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| aactgagggg  | catttatctg | tgtttcta   | tggtgtgttg  | ggttatatcg  | aagcacttta  | 3279600 |
| tcgggaaatc  | ctatccaaaa | aatgccttgt | gcatcttttg  | aaacgcattc  | aatataattt  | 3279660 |
| ccttgtttag  | aagtataaat | tgtttctatt | ttgttgtttt  | gacaatactt  | cggtaaattt  | 3279720 |
| ttaccgataa  | attaaaatta | aacatagaat | cggcataatc  | cggttcaaaa  | ttatattcaa  | 3279780 |
| gagatcattg  | aaatactgtc | aagaataaat | cgtcaaggag  | taagaaaagg  | gatgaaaaag  | 3279840 |
| atatgctaaa  | cagctgaaaa | tcaacagaaa | aagtatttca  | taatttactg  | atttttagta  | 3279900 |
| aattagaagt  | acttcaccac | ttttaattat | gactaaagaa  | tcactcctta  | tgcaatacca  | 3279960 |
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| attcatggat  | gcaatgaaat | tattcatggc | tatacctgac  | cgcattcaatt | tcctacaaat  | 3280080 |
| gggacggtat  | ggatgtttct | cgaacagac  | ataccgcaac  | aattttgaga  | acgacggctt  | 3280140 |
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| gatagccgtt  | gatccgtctt | tcattccaaa | atcaggcagc  | aaaacgccgt  | ggattggcta  | 3280260 |
| tttctggtcc  | ggttggtgcc | gtgaatacaa | acgtggactg  | gaaataaccg  | gtattggagt  | 3280320 |
| tatagacgtt  | gacaaccatg | aatgtatgac | tttgggctct  | gtacagacac  | ctgacaacgc  | 3280380 |
| aacgtggaa   | agctgtgaga | agaatcttgt | tgactggtac  | agctcttacc  | ttatcagcat  | 3280440 |
| acaggaacag  | ctgaaacgta | tttctggcac | agtcgtgtgt  | gatgcgttct  | tttcaaaggc  | 3280500 |
| aactttcatc  | aaaccattgt | acgataacgg | tttccacgta  | ataagccgtt  | tcaggaatga  | 3280560 |
| tgccgtattg  | ttttatccca | ccttagaaaa | taggacagga  | aaacgcggac  | gtccaaaatt  | 3280620 |

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|             |             |            |             |             |            |         |
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| gaacaagggg  | aaacttttac  | gactgaaagc | atactccaaa  | gcactcaaac  | gctttgtgag | 3280740 |
| cctggctgta  | tggtagccca  | tggatggaag | aacggacaaa  | tggcagctgt  | atttctctac | 3280800 |
| aaacgaaata  | cagaacgcac  | aggatgtcct | ggacttttac  | agaacacggt  | tccaactcga | 3280860 |
| attctgcttt  | cgggatgcc   | agcaacatgc | cggaaatagca | aactgtcagt  | ctacagactt | 3280920 |
| caggaaactg  | gcattccact  | ttaatgcac  | acttgcagcg  | ataaacctcg  | ccaaggctgc | 3280980 |
| ctgtaagaag  | atgggaataa  | aatattccat | atcatcatgc  | aagtcagtca  | tacacaatgc | 3281040 |
| ttacatgctt  | gaacgattta  | tttgctgtc  | tgggattgaa  | ccaaacacgc  | aattaattga | 3281100 |
| caaacttttc  | aaagaactca  | ttttatttac | tgccagagcc  | gcttaggctg  | ggctaatttt | 3281160 |
| taacgaaacta | ttgtttgatg  | atttatcgtg | taaatatggt  | tcaagtcata  | tagatatgta | 3281220 |
| tttatactat  | cataactgat  | ggggatagct | tgtccttcga  | tggaaatctg  | actgtcgtcg | 3281280 |
| agctgttgta  | gtcttccact  | tttcaaataa | tatctgtgta  | ttttagctga  | aagtattaaa | 3281340 |
| accgattctg  | tttcatcctg  | atacaagttg | attccttttc  | taccatataa  | ggctatttga | 3281400 |
| ttgataactg  | cactattttc  | attgatagga | cgtatttggc  | ctgtctgttt  | attaaatatg | 3281460 |
| aatacacctt  | tcgaaaataa  | ggagataagt | aattcatttt  | gggaatattt  | acataatgat | 3281520 |
| acaactttct  | ccccataagt  | tgccggatag | tgaacaaact  | gtttgggatg  | cggattgaat | 3281580 |
| cggtttactc  | ctcctccgtc  | tgttcctatc | catatatcat  | cagaacctgg  | ctcttgga   | 3281640 |
| aagctgagaa  | tagctttttc  | actgagtcca | ttggtatatc  | cgagcggaac  | gtctgcatac | 3281700 |
| gaacggacaa  | tggagtgccg  | gatgttgata | agtcctcctt  | ttacgcttcc  | tgcccatgta | 3281760 |
| ttttcttgct  | cgttgctgtg  | gtacagactt | tgtatggagt  | tgataggcaa  | tgaattccgg | 3281820 |
| tcacccgata  | gatgttttaa  | gactgttaca | gacgttggtt  | gcggattgat  | gatattaatg | 3281880 |
| cctcccccg   | ctgttccagc  | ccatatctgt | tcgttggtgt  | cactcaaaca  | cagaacgaca | 3281940 |
| ttatgactta  | acttttgatt  | ttcagtggtt | tatacagctt  | gtatgttacc  | ctgcttgtcg | 3282000 |
| aaacaggtaa  | tacctcggtt  | ataagccgta | gtccatacat  | accctttgct  | gtctatcaat | 3282060 |
| acatgagtga  | tttctttctc  | gttgggtaaa | ggagattttt  | tctttttccc  | gctttgtata | 3282120 |
| tcgagtaaaa  | ttatcccttg  | ccattggctg | gtacaaagta  | aagtctgatc  | atcccatggc | 3282180 |
| attatttcac  | ggatagggaa  | agcattagat | aatttgatat  | gtggtagtgc  | ctttatttct | 3282240 |
| tttttgtgat  | aatttatattg | ataaatatta | ttgtaatcgg  | ctagtaggac  | ttttcctgtc | 3282300 |
| agtttacaaa  | gtgccgtagc  | tttgatgatg | tttccgtttt  | cgtccaatac  | cggagtga   | 3282360 |
| tgatccgtac  | tccgctggta  | gtttacagtt | ccattatttg  | ttagtatcca  | aagatttgtt | 3282420 |
| aagctgtcct  | cttctatctg  | gtagatttca | tttccgggga  | gggaaaagg   | atttccttct | 3282480 |
| tcataaaaa   | aagttttcaa  | ttcataaccg | ttgaattttc  | caagtccctg  | tttgctgctg | 3282540 |
| atccatacaa  | aaccattttc  | ttcagcatag | atatgttgta  | tatatggagg  | gaagccatcc | 3282600 |
| gatatagata  | gctgtctgta  | taaaaactcg | tctgcctgtg  | caccgattga  | cgtgaacaga | 3282660 |
| aaaagtatga  | aacaaaagaa  | ttgggtgata | tgagctttca  | tagtgcttgc  | aaaacttttg | 3282720 |
| agacaaaaat  | acgaaaattc  | attgaattaa | gtatcagctt  | gtatactttt  | ctataaaaa  | 3282780 |
| agaatctgta  | gaagtttatt  | attatgccag | gctattatat  | tttgcattcg  | cctccttttc | 3282840 |
| cttccatttt  | tgtctaaaaa  | tgttcaattt | tgattattta  | gcctatat    | ttt        | 3282900 |
| acttcggtaa  | atttttaccg  | ataaattaaa | attaaacata  | gaatcggcat  | aatccggttc | 3282960 |
| aaaattatat  | tcaagagatc  | attgaaatac | tgtcaagaat  | aaatcgtcaa  | ggagtaagaa | 3283020 |
| aagggatgaa  | aaagatatgc  | taaacagctg | aaaatcaaca  | gaaaaagtat  | ttcataattc | 3283080 |
| actgattttt  | agtaaattag  | aagtacttca | ccacttttaa  | ttatgactaa  | agaatcactc | 3283140 |
| cttatgcaat  | accaatccga  | gtgcagaaac | gctctcgaat  | cagctgtaaa  | tataagcaaa | 3283200 |
| tcttttcaga  | aagtattcat  | ggatgcaatg | aaattattca  | tggctatacc  | tgaccgcatc | 3283260 |
| aatttcctac  | aaatgggacg  | gtatggatgt | ttctcggaac  | agacataacc  | caacaatttt | 3283320 |
| gagaacgacg  | gctttgactg  | gttttccttc | aatgaagcca  | tcatacaggga | acaccttaaa | 3283380 |
| gggtggtcga  | aggcgatagc  | cgttgatccg | tctttcattc  | caaaatcagg  | cagcaaaacg | 3283440 |
| ccgtggattg  | gctattttctg | gtccggtgtg | gccggtgaat  | acaaacgtgg  | actggaaata | 3283500 |



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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| acacctgaca  | acgcaacgct  | ggaaagctgt  | gagaagaatc  | ttgttgactg  | gtacagctct  | 3283620 |
| taccttatca  | gcatacagga  | acagctgaaa  | cgtatttctg  | gcacagtcgt  | gtgtgatgcg  | 3283680 |
| ttcttttcaa  | aggcaacttt  | catcaaacca  | ttgtacgata  | acggtttcca  | cgtaataagc  | 3283740 |
| cgtttcagga  | atgatgccgt  | attgttttat  | cccaccttag  | aaaataggac  | aggaaaacgc  | 3283800 |
| ggacgtccaa  | aattacatga  | cgagaaaatt  | gactttgaaa  | atctggacat  | cacaagatgt  | 3283860 |
| accgagtaca  | aagtgaacaa  | gggtaaactt  | tacggactga  | aagcatactc  | caaagcactc  | 3283920 |
| aaacgctttg  | tgagcctggc  | tgtatggtac  | cccatggatg  | gaagaacgga  | caaatggcag  | 3283980 |
| ctgtattttct | ctacaaacga  | aatacagaac  | gcacaggatg  | tcctggactt  | ttacagaaca  | 3284040 |
| cgtttccaac  | tcgaattctg  | ctttcgggat  | gccaaagcaac | atgccggaat  | agcaaactgt  | 3284100 |
| cagtctacag  | acttcaggaa  | actggcattc  | cactttaatg  | catcacttgc  | agcgataaac  | 3284160 |
| ctcgccaagg  | ctgcctgtaa  | gaagatggga  | ataaaatatt  | ccatatcatc  | atgcaagtca  | 3284220 |
| gtcatacaca  | atgcttacat  | gcttgaacga  | tttatttgcg  | tgtctgggat  | tgaaccaaac  | 3284280 |
| acgcaattaa  | ttgacaaact  | tttcaaagaa  | ctcattttat  | ttactgccag  | agccgcttag  | 3284340 |
| gctgggctaa  | tttttaacga  | actattgttc  | agatagaagg  | gcacttttat  | tgatttttag  | 3284400 |
| aaataaatta  | ttgatttttag | aacattgaaa  | aaaattaaac  | cttccatttt  | tgccatagtt  | 3284460 |
| tattaaaccg  | aggcattaaa  | aaacattatt  | aactttaaaa  | ctatgaaaca  | aatacgattt  | 3284520 |
| aagggtacatt | cggtttgtat  | cttctttatg  | ttcttgttga  | tgcttcctct  | tgcagcagta  | 3284580 |
| gcacagggaag | ggatgataac  | aggacaagta  | gtcgatgaaa  | aagggtgaaag | cataattggt  | 3284640 |
| gctaccgttc  | aagtaaaggg  | tacttcgaat  | ggtacaatta  | ccgattttga  | cggaaacttt  | 3284700 |
| tctttaaaag  | ccaaagtagg  | caatacattg  | gttgtttctt  | atgtgggcta  | ttcaaccag   | 3284760 |
| gatgtgaaaag | tcactaaaca  | gacaggtgtt  | cgtgtcgtat  | taaaagagga  | tacggaagtg  | 3284820 |
| cttgatgagg  | ttgtagtagt  | aggttatggt  | actgcgcgta  | aggggtgattt | gactggtgcg  | 3284880 |
| ctgactacta  | tgaagccaga  | tgcaaatgat  | gctgccaaag  | ctacttcact  | tgataatctg  | 3284940 |
| ttgtcgggaa  | aggttgccgg  | actggtagtc  | agttcttctt  | ctgcaatggc  | aggatctgcg  | 3285000 |
| tcttctatta  | ccattcgtgg  | tgctagtctt  | ttgcgtgggtg | ataatcagcc  | gttgtatgtc  | 3285060 |
| atcgataacg  | taccgcaggc  | ttctgccggg  | gaatttgctt  | cttctgggtat | cagtgggtgac | 3285120 |
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| ttgattacga  | ctaagaaagg  | taaacaaggt  | aaagcaaaag  | tgaatgtttc  | tgctaacttt  | 3285300 |
| acaatagctg  | agccatcaag  | actgatggag  | atgactaatc  | tttacgaaca  | tgcagcttac  | 3285360 |
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| attaattatc  | gtaactggca  | gaaggagatt  | tatacatctg  | cattctctca  | gaattattca  | 3285540 |
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| cttgattatg  | ctccgtttga  | aatgccggca  | gatgaccctt  | ctttcagttc  | agaaaataaa  | 3285840 |
| acaactatat  | tcagttgggt  | gaatgactat  | gtggatgttg  | ctaatagata  | gacattcaat  | 3285900 |
| gcttctatgg  | atttgtcatg  | gaatattgtg  | aaaggcttgc  | gttataactt  | gcgtgtgggt  | 3285960 |
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| aacaacaatg  | gttatctggc  | actgacagat  | ttgaacaaaa  | gcaatgttac  | tattgaaaat  | 3286080 |
| gtattgaact  | ataataccaa  | actaggctca  | attgcaacat  | tggatgctac  | agtgggtgtt  | 3286140 |
| acttacgatg  | attataactt  | cctgagtga   | aatacaaatg  | gtactcagtt  | tacaatgttc  | 3286200 |
| gatttgagag  | aaaacggact  | tcatatggct  | ggtaatgtac  | agcacttggc  | tccgactcaa  | 3286260 |
| aaagactatc  | agttactttc  | ttatctggga  | cgtctaaact  | tgactttcct  | cgacaagtat  | 3286320 |
| ttgattacag  | cttccttacg  | tgccgatggt  | tctagtaagt  | ttggttaaagg | aaaccgttgg  | 3286380 |

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| ggttgattggt | tgaatcagtt  | gaaggttcgt | ttaagttatg  | gtgtaacagg  | taaccagagt | 3286500 |
| atcgatcctt  | attctacatt  | ctccatgtat | ggctcaaattg | gtaattatca  | ctatggtagt | 3286560 |
| ggaagtgggtg | atcaggaatc  | ggttttacag | attacaaact  | tgccaaatga  | cggcttgact | 3286620 |
| tgggaaaaga  | cctcttcattg | gaatgctggg | atcgacttta  | gtttgttacg  | ttcacgtttg | 3286680 |
| agtgttacat  | tcgattttcta | tgtaaaacgt | acaaacgact  | tgctgatttc  | acgttcattg | 3286740 |
| ccgggttctg  | ccggatttag  | ctctacttat | tataaccagg  | gttcattgga  | taacaaaggt | 3286800 |
| gtagaatttct | ctttgactgc  | tcaggttatt | gatactaagg  | actggaaatg  | gagtattaca | 3286860 |
| ggtaatatcg  | gaaagaacaa  | gagtaagatt | gtagaccttg  | gtttgctgcc  | ttcagacttt | 3286920 |
| ggatgtttgg  | gtgaacgtat  | cggttactat | ggtaactcat  | tgggtgacca  | ctttggaata | 3286980 |
| ggtcatgtat  | tcttgcaagg  | tgaagctccg | ggattgttcc  | tgggttatgt  | tacacaagga | 3287040 |
| attgtacagc  | cggaagatat  | tacagatcaa | ggtgtgaagt  | ttatcaagga  | agatggttca | 3287100 |
| attggttact  | ataaggatgt  | aaatggaagt | actccggtag  | caggtgatat  | caaatttgta | 3287160 |
| gatagagatg  | gcaatgggtc  | tgtaaatact | tcagaccgag  | atattatcgg  | tgacccgaat | 3287220 |
| ccaggattta  | catatggttt  | ccagacttct | ttatcttgga  | aagggttgac  | gttgagcgct | 3287280 |
| gcctttaatg  | gcgtgcaaga  | ccgtgatgtc | atcaacgtaa  | acaaccgtta  | tatcaatact | 3287340 |
| ccggggacaga | aagccggtac  | agtatcaaag | aaggcttttg  | aaggatatgtg | gacacctgaa | 3287400 |
| aatcactcaa  | atttgatcc   | ttcttctaac | ttcattgttc  | agaatatggt  | aatggatcgt | 3287460 |
| tacgtagaag  | atgcaagcta  | cttgagatgt | tcagatatta  | cattgaatta  | tgttcttcct | 3287520 |
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| accgataaat  | taaaattaaa  | catagaatcg | gcataatccg  | gttcaaaatt  | atattcaaga | 3287820 |
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| atgctaaaca  | gctgaaaatc  | aacagaaaaa | gtatttcata  | attcactgat  | ttttagtaaa | 3287940 |
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| cgttgaaaag  | ctgtgagaag  | aatcttggtg | actggtacag  | ctcttacctt  | atcagcatac | 3288480 |
| aggaacagct  | gaaacgtatt  | tctggcacag | tcgtgtgtga  | tgcgttcttt  | tcaaaggcaa | 3288540 |
| ctttcatcaa  | accattgtac  | gataacggtt | tccacgtaat  | aagccgtttc  | aggaatgatg | 3288600 |
| ccgtattgtt  | ttatcccacc  | ttagaaaata | ggacaggaaa  | acgcggtgac  | ccaaaattac | 3288660 |
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| acaagggtaa  | actttacgga  | ctgaaagcat | actccaaagc  | actcaaacgc  | tttgtgagcc | 3288780 |
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| ggaaactggc  | attccacttt  | aatgcatcac | ttgcagcgat  | aaacctcgcc  | aaggctgcct | 3289020 |
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| acatgcttga  | acgatttatt  | tgcgtgtctg | ggattgaacc  | aaacacgcaa  | ttaattgaca | 3289140 |
| aacttttcaa  | agaactcatt  | ttatttactg | ccagagccgc  | ttaggctggg  | ctaattttta | 3289200 |
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| gcattggtcac  | aacgcagtg  | tagtgatggt | attgtttcgt  | tacaggcact  | ttcaagtgc   | 3289500 |
| ggattgattt   | ctactacctg | gaatggatg  | tataaagtga  | tttctgaaac  | caatgccttt  | 3289560 |
| ttggagaatc   | tgtcatctag | tggattgagc | gatgatatta  | agaaccagta  | tgggtggtgaa | 3289620 |
| gcgaaattcc   | tccgtgccat | ggcttattat | aatctggtat  | ctctttgggg  | agatgtgcct  | 3289680 |
| ttgaaaactg   | tagcttctac | ttcagagggg | atctcaatgc  | ctcgtactcc  | gaaagagcaa  | 3289740 |
| gtattgaatc   | aggttgtgac | agacttgaaa | gaagctatga  | gcattcagtg  | aacttctgag  | 3289800 |
| gttggtgacgtg | ttaattcgtg | ggcagtaaa  | gcattccttg  | gaaaagtgtg  | ctatcggatg  | 3289860 |
| gcaaagcttg   | gtattgatac | taacaataat | ctgaaaaatg  | caaaggagat  | gttcgatgaa  | 3289920 |
| gtttataaca   | agcatgtata | tgaactggaa | aagaattttg  | cagatttggt  | tgggtgactgg | 3289980 |
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| tttaaccgtg   | ccagcaaccg | tttctcaccg | acaggttcga  | caccgggtgt  | atgctggagt  | 3290100 |
| acgtatcgtg   | cgacaaaagc | tgcttatgat | atgcatcaag  | gtacttatcc  | gggtgatcct  | 3290160 |
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| cctaaagctc   | aggtaggtga | taaaccgtcg | gcaaaccgatt | ctgtatatta  | ttatccttat  | 3290280 |
| ttcacctata   | ccgttcagtt | ggatacaaag | aaggtaaattg | gtaaggatgt  | tgctgtatac  | 3290340 |
| gattctatct   | ataaaaaatg | aaaggctgtt | gctgctaaac  | aatatgtagg  | tagattgcct  | 3290400 |
| tatgagaaat   | ttaaagatcc | gactaatccg | gatttaaatt  | atctgaataa  | tctgaatgaa  | 3290460 |
| gcagatggta   | agactccgca | agaaaaagca | tatattaaag  | ctttgaaggg  | tatacagaag  | 3290520 |
| aaatatgcgg   | agagtggtaa | tcagatggca | tggcctgctc  | atatgaagtt  | gtatgatcct  | 3290580 |
| aaccagcagg   | gaacttcttc | tcataagaat | ctgatgggat  | atcgttatgc  | tgaaatgttg  | 3290640 |
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| gaggaggtgt   | tgaaacgtgc | acgtgaatca | gctggtggta  | acggtgttga  | accgaaggca  | 3290760 |
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| ttcctgaaga   | agaacttggt | attaccgatt | cctgatacgg  | aaagagatgc  | aaatccgggt  | 3291060 |
| atcacggata   | ataactttgg | ttattgaaaa | gctatataat  | tggagtctgt  | tgaaaaatcg  | 3291120 |
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| cagactcttg   | aaagctcgca | taattacatt | cttttattat  | aaagcttatt  | gtaattgtgc  | 3291240 |
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| atgggtgaag   | tattttctgc | atcatatttt | tacgtaatct  | ttattagcac  | tacagactca  | 3291360 |
| atgtttgtaa   | tgattttact | ccgaataatt | aatatataaa  | tatgaaaaac  | ctgaatttat  | 3291420 |
| tttattctat   | ggctggattg | agtgccttgg | ctgcaacagc  | gtcttcttgc  | cagcagaata  | 3291480 |
| agtcggaagc   | aaaaaaaaat | tataatattg | tttatatcat  | gaccgatgat  | catacggcgc  | 3291540 |
| agatgatgag   | ttgctatgat | acgcggtata | tggaaacacc  | taatctggac  | cgtattgctg  | 3291600 |
| ccgatggggg   | acgttttacg | aatagttttg | tggctaactc  | attaagtggg  | ccgagtcgtg  | 3291660 |
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| ctctaatagg   | aaagtggcat | ctggagagtt | tacctaccgg  | atttgattat  | tggaataat   | 3291840 |
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| agaaacatgg   | ttatataacc | aatctgataa | cagatgacgc  | gatagactgg  | ttggaaaata  | 3291960 |
| aacgggataa   | ggataaacct | ttctgcctga | tgatccatca  | caaggcaatt  | catcgtaact  | 3292020 |
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| aaacattata  | tgaatcattc  | ctaggacgta | tgataaaga   | gcagagagct  | gcttgggata | 3292260 |
| aattttacgg  | cccgattatt  | gaagatttct | ataagaaaaa  | tcctcagggt  | aaagatttgg | 3292320 |
| caaactggaa  | gtttcagcgt  | tacatgcgtg | attacatgaa  | gacggttaag  | tcgctggatg | 3292380 |
| ataatgtagg  | acgtgtattg  | gattatttaa | aagaaaaagg  | tctgttggac  | aatacgttgg | 3292440 |
| tggtttatac  | ttccgatcaa  | ggtttttata | tggaagagca  | tggttggttt  | gacaaacgtt | 3292500 |
| tcatgtatga  | agaatcgatg  | catacacctc | tgattatgcg  | tttgccctgaa | ggattcaatc | 3292560 |
| gcagaggaga  | tattaccgaa  | ctggtgcaga | acattgatta  | tgctccaacg  | tttttggaac | 3292620 |
| ttgcaggggc  | aaaggtaccg  | gaggatatgc | atggagtttc  | tttattgcct  | ttgctgaaag | 3292680 |
| gagaacatcc  | tgctaactgg  | cgtaatgctt | tatattatca  | tttttatgaa  | tatcctgcgg | 3292740 |
| agcacatggt  | aaagcgtcat  | tatggaatcc | gtactaacctg | ttataaactg  | attcatttct | 3292800 |
| ataatgatata | tgatgaatgg  | gaactttatg | atttacaata  | ggaccctaata | gagctgcata | 3292860 |
| atttgtatgg  | tcagagtgcac | tacgattcga | ttgtcactga  | cttaaaaaaa  | caactcttgg | 3292920 |
| aattgcagga  | gaaatataat  | gacctgttac | gtttttctcc  | agatcgtgat  | aaagaataaa | 3292980 |
| aaatcagaga  | gattatgggtt | aagatatatt | ttcagtcgaa  | aaaatggata  | atggcttgta | 3293040 |
| ttgcagcttt  | ggcactgggt  | atagctggat | gtcattctcc  | gaaacaactt  | gaggatgtag | 3293100 |
| ttattgttcc  | tcagccgttg  | tctgttgaaa | agggaaagtgg | ctctttctct  | tttagtggga | 3293160 |
| aaactgtcat  | tgctgtagct  | gatgatgaac | aacgtatagt  | ggccgaaaat  | tttgcttcgc | 3293220 |
| tatttactaa  | atcggcggat  | ttcacccta  | aggttgaaaa  | ggcaaaagat  | ggcaatatcg | 3293280 |
| ttttttctat  | tgatcagtcg  | atgaaaacag | acgcttatga  | attacagata  | acttctgata | 3293340 |
| aaataacgat  | aaaggcagcc  | gatgtgaaag | gtttctttta  | tgcccttgcaa | aatattcgtc | 3293400 |
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| attgtccaga  | taatcatgtt  | cgcccgggac  | aagcgtctaa  | agtttatctt  | gatgaagtga  | 3295320 |
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| cccgtttagt  | tccctctccg  | cagcagtttg  | cctggcagca  | gatggaactg  | acggcttttt  | 3295560 |
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| gcttcaagat  | ggtactgctt  | acagccaagc  | accacgacgg  | tttctgcctg  | tggccgacaa  | 3295740 |
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| gagaagctaa  | accaacgatg  | gcttatcatt  | accagttctc  | tgtcagttag  | gacggaaagg  | 3297000 |
| agtggaaggt  | attggtatcg  | gatggagagt  | tcagtaacat  | catgcataat  | ccgttgcccc  | 3297060 |
| agaccgtaag  | tcttccgtcg  | gtaccgacag  | cccgttatgt  | gaagctggaa  | gcaacgactc  | 3297120 |
| cggatgattc  | ggctgctgtc  | attgagatgg  | aggagctggg  | agtaactgtg  | gttgatgata  | 3297180 |
| aagatgatga  | aacaaaagta  | taccctcatc  | cggatgaaac  | attaaagctt  | aagccgggtg  | 3297240 |
| atgttcatcc  | taccagaaaa  | ggatggtatt  | tttataccgc  | ccatgagttt  | ttggataagt  | 3297300 |
| atacaaaagaa | gggactccct  | ttaggatttc  | agaacataa   | gactcaaacg  | atgagtaagt  | 3297360 |
| cggcttggtg  | gaataatgca  | aggtgctcta  | aggtggaaaa  | tggcgtattg  | catatgtggc  | 3297420 |
| cagtggaaaga | aacggattca  | atagataacg  | gtttcgggaa  | aaacgtaaaa  | ttttcgcattg | 3297480 |
| cggcttatcg  | ttcggtaact  | tctggaaaac  | aggcttggtg  | taagtttaca  | gaaaatatgc  | 3297540 |
| gaatagaaaat | tcgtttttaa  | cgtacagctg  | cagaagggtt  | taatgaagct  | ctttggttta  | 3297600 |
| tgggaaacaa  | gggaccatgg  | ccaaagaatg  | gagaaattga  | tttattggaa  | aatcccaaaa  | 3297660 |
| agcaaaataaa | ccagcgtgct  | cattttactc  | ttcattcaga  | acaccattat  | gcaggtgtag  | 3297720 |
| taggaggtaa  | aggaagtgtt  | acctctagta  | tcaatctggc  | ggatatgagt  | caatggaata  | 3297780 |
| tttattggct  | ggaatggtat  | ccggacagga  | ttgtgggagg  | agtgaatggt  | aaagcttatt  | 3297840 |
| ttgaacataa  | aaaaggggcg  | aatggttaaca | ttgattggcc  | gtggagtgat  | cttgccggat  | 3297900 |

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|            |             |            |            |             |             |         |
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| tttatctgat | athtagtacg  | ggattatctg | tcgatccgga | ggcatggccg  | ggagccgttg  | 3297960 |
| attcacaaaa | atggagcaag  | caaaatcctc | cttccatgta | tattgattgg  | gtacgtgttt  | 3298020 |
| atgttaacga | taattacaat  | cgagataagg | ctccaaaagt | aagatattat  | taatgaaatt  | 3298080 |
| tttattttat | gcgaaatata  | cttgtttgtt | taatgtgtgt | atgggtatgt  | gctgtttgta  | 3298140 |
| cagtacatgc | acaagtgggt  | tttgctcgga | ataaattgta | caatattgta  | cctgtcaatc  | 3298200 |
| atccgggtaa | agtattggga  | tatgatgctg | gtagccagcg | tgtgttatta  | agtaatagta  | 3298260 |
| atgaagctga | taaattgcaa  | cagtggagca | ttacgaattt | gtccggcagt  | tttcgtttta  | 3298320 |
| taaatccttt | tgaaaacaag  | gccgttcatt | caaaggtgta | taacacattg  | ggaataactg  | 3298380 |
| aaaataatgg | ttctgatgaa  | tctcagttgt | ggcttgtaaa | gaagaatggg  | aaatattttac | 3298440 |
| agatttttcc | atccaatagt  | ccggaactga | tattgtcttg | ttcttcaaac  | ggacagttta  | 3298500 |
| cattggttga | taaaacaaag  | tttgtaacta | attcagaaac | atattttctat | atcaatgtca  | 3298560 |
| gtaaggtagc | aatgcctgca  | gagaatgtat | caggtccttc | tgagcgccct  | aaggttttatt | 3298620 |
| gggaggatga | aaccatgttt  | ggagagcata | aagagcctgg | ctgcgctact  | tatatacctt  | 3298680 |
| atatgacaga | gaaagaaatg  | ttgtcggata | aagattttta | tcatacccct  | tgggtgtata  | 3298740 |
| gtaagagttc | tacttttcaa  | ttgttgaacg | gcaactggtc | ttttcatttt  | gttcctgaac  | 3298800 |
| cttctcaacg | tccggaatcc  | ttttataaag | aagactatga | tattttccgg  | tgggaaacga  | 3298860 |
| ttcccgttcc | ttcaaattgg  | gaaatgcaag | gatacgaccg | tcctattttat | gcgaatgtag  | 3298920 |
| aatatccaca | tgccaatacg  | cctccttata | taaatgctcg | aaaaggcttc  | aacgatggag  | 3298980 |
| gagttaatta | tggattaat   | ccggtcgggt | cgtatgtgcy | tttcttcgat  | ttgcctatcg  | 3299040 |
| gatgggaaaa | acaacgtacg  | tttattcatt | ttagtggat  | atacagtgcc  | gcatttgttt  | 3299100 |
| atctgaatgg | agaatatgta  | ggttatacgc | aaggatcgaa | caatgttgct  | gaatttgact  | 3299160 |
| tgacgaaata | tttgcgtaca  | ggtagaatc  | gcttggctgt | tcaggctctt  | cgctggagtg  | 3299220 |
| acggttctta | tctggaatgc  | caggatatgt | tccgtatgag | tggatatttt  | cgtgatgttt  | 3299280 |
| atttgtacaa | tgttccttta  | gttagtgtgc | gtgatcatta | tataacttct  | aaactggacg  | 3299340 |
| ctgcttcagg | atatactaac  | ggtgaaatgt | gtgttgattt | gacactcgat  | aaccgtgacc  | 3299400 |
| gaattaaagg | tgtaaaaaat  | ctgattgtaa | aattattcga | tccggaagga  | aagctggtag  | 3299460 |
| cagaaacaga | gcagcagggt  | aattattcag | aaaataagga | tgctatccat  | actacggcaa  | 3299520 |
| cctttaattt | gaagaatctt  | gttccttgga | ctgctgaaac | tcctaattta  | tatactgtgc  | 3299580 |
| atgtgattca | gcgaaacggg  | gataaagatg | aaatggcctt | ttctaccaag  | tatggattcc  | 3299640 |
| gtgacattga | gttaaaagggt | acacttgttt | atattaacgg | acagcgagtt  | ttcttcaaag  | 3299700 |
| gagtgaatcg | tcatgacaca  | catccggttt | atggacgagc | tgttacgggt  | gaatcaatgt  | 3299760 |
| tgcgtgatgt | aacattaatg  | aagcagaata | atattaatac | cattcgtact  | tctcattatc  | 3299820 |
| cgaatgatgc | gaaaatgtat  | gtcatgttcg | attatttcgg | actgtataca  | atggatgagg  | 3299880 |
| ctgatttgga | agaccatgcc  | aatcagtcct | tcagtgatat | gccttcttgg  | attccggcat  | 3299940 |
| ttgtcgaccg | tatcgatcgt  | atgatactcc | gcgaccgtaa | tcatccaagt  | gtgattttct  | 3300000 |
| ggagtctggg | taatgaagca  | ggaggaggac | gtaattttca | ggcttggtat  | gatgccgcca  | 3300060 |
| aacgtttaga | cagtcgtcct  | gtgcactatg | aaggtagacg | tgacggaaaa  | gattatgggt  | 3300120 |
| gcaatcgctt | cagcgacttg  | tactcgaaga | tgtatccggg | tatgaaatgg  | atggatactt  | 3300180 |
| acgtaagttc | actggataaa  | ccgatgttta | tttgtgagta | tgctcatgcc  | atggggaatg  | 3300240 |
| ccatcggtaa | tttgaaggaa  | tattgggaaa | gcattgaagg | aagttcgggt  | attattgggt  | 3300300 |
| gtgctatctg | ggattgggta  | gaccaggcta | tttatgaacc | ccatgagata  | aaaaaaggta  | 3300360 |
| tttatcggtt | gcatacaggt  | tatgattttc | ctggctctca | ccagggtaat  | ttctgctcaa  | 3300420 |
| acggcattat | tcctgctact  | cgtgaagaat | cgcccaagct | gaaagaggta  | aaggctgtat  | 3300480 |
| atcagtatgt | atatttttgg  | aatgaaggag | ttgatttaaa | acagaacgag  | gcaagcgttt  | 3300540 |
| tattgaaaaa | tacttatgac  | ttcctttcac | ttgataaatt | ctatttgcgt  | tggcaaatta  | 3300600 |
| cgaaagaggg | ggtatgtcct  | gaatctgata | gtatgaaact | tccagctgtt  | atgcctgatg  | 3300660 |
| attcattggt | ggttacttta  | aaattgaaaa | atgttaattt | gaagaaagca  | ataaagaacg  | 3300720 |
| gagaagaggt | gatgctcaat  | ttgtatgtgt | gtcgtacaga | tgccgaaaaa  | tgggctgagg  | 3300780 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| ctgggtcacga | ggttgccc   | caacaatatg | aattgtcatc  | tcgttgtgga  | ttgccggatt  | 3300840 |
| tgaaaaacca  | gagtcataag | aaattgaaac | tggtatgttc  | agagaatgga  | aacttattga  | 3300900 |
| ctgtcaagaa  | tgcaaatac  | gaggctgtgt | tcaataagag  | taatgggcaa  | atgacttctt  | 3300960 |
| tgttgatgaa  | tggaaagcag | atcattagcc | aaggaaatgg  | atgtgtatag  | gataatcacc  | 3301020 |
| gttgataga   | aaatgataaa | tttaccgaaa | cgggtaatgg  | tctcgaagaa  | aaaggtacgt  | 3301080 |
| gtacggtgac  | tgaaaaaaat | ggtgatgtta | ttgttacaac  | aactcgtaaa  | ggaagtctgt  | 3301140 |
| gcagtacgga  | tattacgtat | acgtttacac | aagctggtgt  | aatggatatg  | gatgtcgttt  | 3301200 |
| ttcacctca   | gacagccgat | ttaagacgtt | gtggattggt  | tgcagacatt  | gattccacct  | 3301260 |
| tgagtcagat  | tgattactat | gcgtacggtc | catgggaaaa  | ttacaatgac  | cgtaaagatg  | 3301320 |
| gttgatggt   | aggtcgttac | accacaaccg | tagataacat  | ggacgttcct  | tacatgaagc  | 3301380 |
| ctcagtctat  | gggaaatcgg | gaaggcttgc | gagagttgac  | tttacgtgat  | gctgatggta  | 3301440 |
| aaggaataac  | cattcagacc | gaaggaaatg | tttcgttctc  | tgctcttcgt  | tacacagata  | 3301500 |
| aagatttgat  | ggaaggacaa | catgcgtggg | aactgaataa  | acgcccctac  | attgtactcc  | 3301560 |
| atgttgatgc  | tgacttcgt  | ggggtaggta | atgctagtgt  | cggtcaggat  | gtagatacat  | 3301620 |
| taccgattta  | tcgggtacca | cagcaggaaa | tgaaatataa  | actgcgcttt  | tctgcttggt  | 3301680 |
| ctttaaataa  | ataaatgtat | cttagtcagg | agtcaaagtt  | gataaaaagga | tttttttatt  | 3301740 |
| gcttttatca  | accttgactc | ctgatttttt | gttctttatac | cttgatatta  | actgaagtta  | 3301800 |
| tagtaatgta  | gcttcataaa | ttagtttttt | gctatgaaaa  | aattacttgt  | attttttattg | 3301860 |
| ggggtattat  | ctgttgccgg | attgaaggct | acagatacgg  | tttacataaa  | agcgccctcag | 3301920 |
| gtgccggttc  | tcatagaacg | gcatgataat | gtcttggttt  | atatgcgtct  | tgatgcgcag  | 3301980 |
| gatacaaaaag | tattggataa | tgtatcgggt | acgtttggaa  | aggatgttcc  | gttatcaciaa | 3302040 |
| attaaatcag  | tcaagttata | ttatggagga | acggaagccc  | ctcaagatag  | agggaaaaaa  | 3302100 |
| cgctttgctc  | cagtagaata | catctcagct | catgctcctg  | gacgaacctt  | atcgggcta   | 3302160 |
| ccgtcgtatg  | ctattaagaa | atcagaagcc | actccgcaag  | agcgtactgt  | attattatcc  | 3302220 |
| ggtaaccaga  | atttatttcc | cggtagcaat | ttcttttggt  | taagtataga  | aatgaaaccg  | 3302280 |
| gatgcatcat  | tactgacgaa | agtaacggct | caggtaactc  | gtgtagaagc  | agaaggaaag  | 3302340 |
| tcgttacctg  | ttaagtgcgt | atctgcatcg | gatgtcgtgc  | gtcggatggg  | agtaggtgtt  | 3302400 |
| cgatcatcgg  | gagatgatgg | agccgcagct | ttccgtattc  | cgggattagt  | tacaaccaat  | 3302460 |
| aaagggacat  | tattgggtgt | atacgaatgt | cgttacaata  | acagtgtcga  | cttgacggag  | 3302520 |
| cacgttgatg  | taggatttag | ccggagtacg | gatggtggaa  | agacatggga  | gaaaatgcgc  | 3302580 |
| ttacctttgg  | cttttgagga | gtatggtgga | cttccttcgg  | ctcagaatgg  | agtaggcgat  | 3302640 |
| ccttctattt  | tggttgatac | aaagacaaat | actatctgga  | ttgttgctgc  | atggacacac  | 3302700 |
| ggatgggta   | atcaacgggc | atggtggagt | tcacagcaag  | gtatggactt  | aaatcataca  | 3302760 |
| gctcaattgg  | tccttataaa | gagtacggat | gatggtgaag  | cttggtcgga  | gccgataaat  | 3302820 |
| ataaccgaac  | aagtgaacaa | gccggaatgg | tatttcttgc  | ttcagggaac  | gggtcgaggt  | 3302880 |
| attacgatgg  | aggatggtac | attggttttc | cctattcaat  | acattggtaa  | agaccgcatt  | 3302940 |
| cctaagtctg  | gaattatgta | tagcaaagac | ggagggaaaa  | catggactat  | ccataatcat  | 3303000 |
| gcccgtacca  | atactaccga | agctcaggta | gtagaagtta  | ctccagggtac | cttgatgctg  | 3303060 |
| aacatgagag  | acaatcgggg | aggaagccgt | gctgtatata  | ctacaaccga  | cttaggtatg  | 3303120 |
| acatggaaaag | agcacgaatc | atcgcgta   | gcactgccgg  | aacctgtttg  | tatggcaagt  | 3303180 |
| cttatttagtg | taaaagctgc | tgataatgta | ttgggtaaag  | atattctgat  | cttctcaaat  | 3303240 |
| ccaaatacaa  | ccaatgctcg | caagaatatt | accattaaga  | ttagccttga  | cggcggaat   | 3303300 |
| acttggaactc | cagagcatca | attgcttttg | gacgaaggag  | aaaactgggg  | atattcctgt  | 3303360 |
| ctcaccatga  | ttgatgagga | aacaattggt | attctttatg  | aaagtagtgt  | cgcacacatg  | 3303420 |
| actttccaaa  | ctattaaatt | gaaagatatc | gtgcagtgat  | aggaaatctt  | tgatgaaata  | 3303480 |
| atgcattgaa  | gtaaaaatag | atacttcctc | attatcaggc  | taaaagagtc  | gtatcaatca  | 3303540 |
| gttgaagtct  | actggagatt | gatgcgactc | tctattttat  | tatagaacgt  | ccaaaattag  | 3303600 |
| catttcatct  | tttgattagt | agggtttgag | tattcttatg  | tctctatttt  | gaagccctta  | 3303660 |

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|-------------|-------------|-------------|-------------|-------------|------------|---------|
| atatttcacg  | ttttccaccc  | ggagggcccg  | gaagacgttc  | taccgtaa    | ccggcagttt | 3303720 |
| gcagcatacg  | acgtatgact  | cctttggcac  | agtaggtcgt  | gagaatgcca  | cctgaagaaa | 3303780 |
| gtcgcagcata | caaggtatta  | aaaagctcct  | ggctccacat  | ctccggttgc  | ttttccggcg | 3303840 |
| caaatgcatc  | aaaatagata  | acatcgtatt  | ctccttgaaa  | atcatacttt  | gtaaagtcgt | 3303900 |
| tcattaat    | atgcagggtg  | aagtagggag  | taatctttac  | gtcggcattc  | cattcggtcg | 3303960 |
| tatgtaatgc  | ataaaaaatcg | tactgcgtt   | ttggacaaat  | ctgttcaggg  | tatttcagac | 3304020 |
| gatgaattag  | gtcatcggat  | acgggataac  | gttcgatggt  | tgtatagtga  | atatgacgtt | 3304080 |
| gacttgatc   | ggcttccagc  | atggtaagga  | aagcattcag  | cccagttccg  | aagccgatct | 3304140 |
| ccagtactcg  | tggggtagag  | gatgggcgat  | gtttcaaccc  | catgttgata  | aagatatgtt | 3304200 |
| ccgattcggg  | taacgctcct  | ttgatagaat  | gataatgttc  | atccagttcc  | ggtacgaaga | 3304260 |
| gcgtgtagct  | tccgtcggca  | gtttgtttcca | gtttaatcat  | aatgcattca  | tgtaaaataa | 3304320 |
| atcagaaaag  | gctgatcact  | tccagagtgg  | cagctaccag  | tatggcatag  | cggtctaatt | 3304380 |
| ttccgatggg  | catcgataaa  | gtgacgatac  | caatatgtgc  | acgcataaat  | cccagtacga | 3304440 |
| ttaggatagc  | atctcctacg  | acaggtagga  | aagaaaacag  | agccatccat  | gcccctcttc | 3304500 |
| catgaatgaa  | tcgtgtagca  | cgttccatct  | gttttggggg  | tactccgagg  | tatttttcta | 3304560 |
| tccattccat  | ttttccaaga  | tgccctatcc  | agtagcatgt  | gagtcgcgct  | aatacgttac | 3304620 |
| cagctgttgt  | agaaatagta  | gaccatacgg  | ggtcaagtcc  | cagtcaccacg | catgcaagca | 3304680 |
| acacggcctc  | ggaactaaat  | ggaaggatgg  | tacctgccag  | aaaagccgac  | aggaacattc | 3304740 |
| caaaatatcc  | ccagtcggtc  | agaagttgaa  | gaaatgtatc  | cataaattaa  | ataagcaaag | 3304800 |
| tacaagccat  | attacaagag  | ttgcgataaa  | cagtattcgg  | gtaaaccgtg  | tgaatgttag | 3304860 |
| gggaaataaa  | tgtcctccca  | tgaataccat  | tgggataata  | gacaatggca  | acagcgcac  | 3304920 |
| tatatgcgaa  | ggttgagag   | caatgaggat  | atttatccat  | attcccatga  | aaagtatgac | 3304980 |
| ttgcagtaaa  | atacagagttt | gtaccttattc | cttgtaagct  | gtttgcagat  | aaggaatgct | 3305040 |
| gtatataatc  | caaagtatca  | ctatggtacc  | ccacagaata  | taacgactga  | tgtgtatggt | 3305100 |
| agtatagtct  | atcggatcaa  | actgtattag  | tcgtgaaaca  | atgggataaa  | acgaggtaat | 3305160 |
| ctgatcggta  | tatagataat  | atccaaacag  | gaaccagtat  | ggcaaggtaa  | atcctatgat | 3305220 |
| accggcaaag  | aacgtttttc  | cttcgagcga  | ccggagattg  | atcatgtgaa  | tataaatcag | 3305280 |
| tggagctatc  | caggcaaagc  | aaggtacaat  | aaggctgctc  | agtcccatcc  | agaaaaatgc | 3305340 |
| gtgaaagatg  | gaagtagagg  | catgtggtga  | ctcatagctt  | tggaaatagtg | aatagagcat | 3305400 |
| acataataaaa | aggatcggaa  | gaagtaattc  | cacattccac  | gtatgcaaga  | aggagattgc | 3305460 |
| tgcataaaac  | aaaagaaaca  | gcgaagccgg  | aagtgaagtc  | cgggtacgta  | tgagcgcaaa | 3305520 |
| tttagtatct  | gtttctacaa  | tcagataagt  | agcgataccg  | aaactgagta  | atgaaccaat | 3305580 |
| attcggtccat | agctgtggag  | tagatatggt  | ccataagaag  | agtgtcagta  | tcgttactac | 3305640 |
| gggcagtgtg  | gcacgtccc   | ttgcaacttc  | gtattggaat  | ctgttttttg  | tttggatcat | 3305700 |
| attacagcat  | gtttcattgc  | agaaaaatca  | ccgcagatga  | taccggaaca  | taagtataat | 3305760 |
| gcttactgct  | atttgcggta  | tcactctgctg | gttgatgata  | tattacaaat  | cgaagccgat | 3305820 |
| gtcagaacgg  | aaatattttct | tttcgaattt  | aatttttccg  | gcgttggtaa  | acgattgttt | 3305880 |
| caaagcttct  | tccttggttg  | ctccatacga  | gctgacggca  | atgacacgtc  | ctccggatgt | 3305940 |
| aacgacctga  | ccgtctttca  | aggctgttcc  | ggcatggaat  | acgatgctgt  | ttccagcttt | 3306000 |
| cgcacgtca   | atacctgtaa  | tcgggaaacc  | tttttcgtat  | gcttcgggat  | accctcctga | 3306060 |
| taccagcata  | acacatacag  | ccgagcgtgg  | atcaatttcg  | agtgtctttt  | ctgccagatt | 3306120 |
| gccggcagca  | acccctcga   | acaagtctac  | aaggctcactc | ttgatacgca  | gcatgacact | 3306180 |
| ttccgtttct  | ggatcaccca  | tacggacgtt  | gtattcgatt  | accatcggat  | caccctttac | 3306240 |
| gttaatcagg  | ccgaagaaga  | taaatccttt  | gtaatcgatg  | ccttctgcag  | ccagtccttc | 3306300 |
| tacggtaggg  | cgaatgatgc  | gttcgtccac  | ttttttcatc  | caagcttcgt  | cggcgaacgg | 3306360 |
| tacgggagaa  | acagagccca  | tgccacctgt  | attcaggccc  | ttgtcgcctt  | caccaatacg | 3306420 |
| ctttagtagct | tttgctcag   | gcaatatttt  | gtaattcttt  | ccgtcgggtca | gtacaaagac | 3306480 |
| agaacattca  | ataccactca  | gaaattcttc  | gataactaca  | gtggctgaag  | catttccgaa | 3306540 |



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|             |             |            |             |             |            |         |
|-------------|-------------|------------|-------------|-------------|------------|---------|
| cataccgcct  | agcatttcct  | tcagttcttt | ctttgcttct  | tccaaagtag  | ggagtatcaa | 3306600 |
| tacacctttt  | ccggcacaca  | gaccgtcggc | tttcagcaca  | taaggagctt  | gcagagtttc | 3306660 |
| gaggaaaagca | agaccttctt  | ccagattggc | tgaagtattg  | cttttatatc  | cggcagtagg | 3306720 |
| aatgtgatgg  | cgctgcatga  | agcctttggc | aaattcttta  | ctgccttcga  | gtacggcacc | 3306780 |
| ggctttcgac  | ggaccgataa  | ccggaatatt | ggccagcgct  | gcatcgtttt  | tgaagaaatc | 3306840 |
| gtagacacct  | ttcaccagcg  | gatcttcagg | acctaccact  | accatgttga  | tgccattcgc | 3306900 |
| tacaacaaat  | tgtttgatag  | cttcgaaatc | atcagctttt  | atggctacgt  | tttcgccaac | 3306960 |
| ttcacgtgta  | ccggcggttac | ccggtgcgat | gtataacttt  | tcgatttttcg | gactttgagc | 3307020 |
| gattttccat  | gccagtgcac  | gttcgcgtcc | gcctgaacct  | aacagtaaaa  | gtttcatatt | 3307080 |
| cttagaatgt  | tatgatttgt  | tgtctttatt | ttatttcaga  | tgatcaagaa  | aataacgagt | 3307140 |
| aatgtgttcg  | tgcaaatgta  | cacggtcgcg | tcccatcatg  | ttatgtccgt  | cttcgggata | 3307200 |
| aatgaaaaag  | tccggatgag  | ttccagcatc | gatacaagcg  | cgcaggaaac  | tgatgctgtg | 3307260 |
| ttgcggtaca  | caagttgggt  | ccatacctcc | gataatgatt  | tccaaacgac  | ctttcagatt | 3307320 |
| gccggctttc  | aagcgaagat  | tagaaccttt | gtatccttca  | gggttggtct  | gaggagtgtc | 3307380 |
| catatatctt  | tcaccgtaca  | ttacttcgta | aaattgccag  | tcgataaccg  | gaccgccagc | 3307440 |
| tacccttacc  | ttaaatatgt  | ccggataagt | caacatcagg  | tttgtggtca  | tgaatcctcc | 3307500 |
| aaagctccat  | ccatgcacac  | cgattttgtc | tgcatcaaca  | tacggcagtg  | attgcaagaa | 3307560 |
| tttggtctct  | tctacctgat  | ctttcatttc | tttactccc   | aaatggcgga  | acgtacaatt | 3307620 |
| ctcgaacttg  | atgccgcggt  | tatcgcttcc | acggttgctg  | acggtcagca  | tgacataacc | 3307680 |
| ttgctgagcc  | atgtaaaggt  | cccatccacg | tgcgctgtaa  | aagcgtgtat  | tgtgtatcat | 3307740 |
| ctgagcatgc  | gggccaccgt  | atacgtagat | gatagctgga  | tatttcttgt  | tcggatcgaa | 3307800 |
| attgactggc  | ttgatcaaac  | ggtaataata | atcagtttct  | ccatcggtcg  | ccttaattgt | 3307860 |
| tccgatcgta  | atctcgggta  | agttgtatcc | ctctttcagt  | ggatcggttg  | cagtgaacag | 3307920 |
| ggtgacaccc  | ttttttcctg  | tcgtagggag | aatacttatt  | tcacgtggaa  | cactgtttga | 3307980 |
| tgtgagataa  | tcaatgagat  | acgttccact | ggccgaaagt  | tttgcctgat  | gggtaccgtc | 3308040 |
| ggctatgcca  | atcaaggtac  | gttttccggt | cttcacgtcc  | agactgaata  | tattagtctg | 3308100 |
| caaaggagat  | acttccgtac  | ttgcgatgac | aatttcttta  | cgagaagcat  | tgaatcctaa | 3308160 |
| aacatcttga  | accagccagt  | tgccttccgt | caatggagtt  | gttttcaggt  | attcacaata | 3308220 |
| ttgatcttca  | ctatccttac  | ctgtttccca | ctcacctttc  | agtttggttt  | ttgtatccat | 3308280 |
| gacgtacaaa  | tgattgaaac  | catcccgttg | agtctggtaa  | ataaactggc  | tgtcatccca | 3308340 |
| aggtaagaat  | atcagaggat  | gctgaggctc | tacgtaacga  | gtatgtttct  | cctcgtaaag | 3308400 |
| tacccccatc  | ttttgtccgc  | ttacagcatc | atactgaacc  | agttgtgcat  | gattctggtc | 3308460 |
| gcggttcagt  | tcgataacga  | atacactctt | ttcgtcaggg  | ctccagctga  | tattggtaaa | 3308520 |
| ataacggtcg  | gtcgggtcac  | ctgcctgtaa | ataagtggtc  | ttgccatctt  | ttacattgta | 3308580 |
| tactcctacg  | gtaaccttat  | ggcttgtcat | acctgccatc  | ggatatttat  | cgggcaccag | 3308640 |
| ctcggcaata  | cgagtcgtcg  | tatttacttg | tgataaatcg  | gtaaccatac  | tttgatccat | 3308700 |
| acggtaaaaa  | gccagataag  | tacctttggg | actccagaaa  | gtacctttca  | tgataccaaa | 3308760 |
| ctcattgcgg  | tgtacagctt  | gtccatacac | aacatccttt  | tcagggttgct | ggttaccggt | 3308820 |
| aacctttgga  | tttaccatag  | tactgaaatc | cccttcatgt  | gctacataca  | aatcattccc | 3308880 |
| gatggtatag  | gccatgtaac  | cattctcttt | acagaaatca  | aagtttgctg  | gtccttctcc | 3308940 |
| ctgcaacttg  | aacaggttga  | caattttctt | cttgccgaaa  | tcataccata  | ccatgtattt | 3309000 |
| ctgtgcggga  | gtgcaatcgt  | catactgggt | aaaagtgatt  | atattgcggt  | ctgcccattg | 3309060 |
| cattgaagcc  | gacattaatg  | tatggagcgg | tttaatatgt  | cctgtcagct  | gataaggcat | 3309120 |
| ttgccttcta  | agggctttat  | tgacctcttc | caatgtagca  | atgactgttt  | cttttccgct | 3309180 |
| tttgttgtct  | atttttttga  | tatcctctat | atctgtacgt  | acacacacgt  | ctccccacca | 3309240 |
| ctgtaagcct  | ggcagacttt  | tcggcacaa  | attatagtaa  | ttgcttccac  | ccggtatgac | 3309300 |
| atcgttgagg  | gtaaaaagcct | ttttctcctg | agcagatgag  | acagttgcaa  | tcatacagaa | 3309360 |
| tagagctata  | atttgaaaaa  | tccgtttcat | cttttttagtt | attcgtttctc | tgtattttct | 3309420 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| tcattcgggc | ggcgacgggtg | catgtaacgc  | ggtgcagggtg | cctgctttgg  | acgtccgtca  | 3309480 |
| tcagttgacg | ggcgtgaggg  | acggttctca  | cgagagaagt  | tttctttacg  | ttctgttggt  | 3309540 |
| cggaacgtag | gctttctatc  | gcccttgat   | tccactcttt  | ctgcacgttt  | tcgtggacga  | 3309600 |
| acttcatttc | cttcccgttt  | gggcttgaat  | tctttatcac  | tgttttcgct  | acggaaagtc  | 3309660 |
| ttgtatttac | cgtcgaaaat  | ctgggtattta | cggaactgac  | attccagtga  | gccgttgaat  | 3309720 |
| aaaggtactt | tgactgatgc  | cttcagacca  | atgttggtcga | agcattcgtc  | acggtagctc  | 3309780 |
| agtatccagg | catcattacc  | gcagaaggcg  | tgtttcaaac  | gttccccgat  | catctggtac  | 3309840 |
| aatcccagca | aatcatccga  | tgaaatacgt  | tcaccataag  | gaggattggt  | tatgataatg  | 3309900 |
| cttttttctt | taggctgttc  | gaattgctgg  | aacggctgga  | ttttcaggat  | gacatccttg  | 3309960 |
| ctcactccgg | cagcctttac  | attgtgtgtc  | gcaatttcgt  | ttgctttcgg  | gttgttatcg  | 3310020 |
| tatccgtaaa | tcttgtgttt  | aaattcgcgt  | tcattcgaat  | catcgttata  | aatggaatca  | 3310080 |
| aacaaatcct | gatcgaagtc  | acgccacttt  | tcaaattccga | actctttgcg  | gaatacaccc  | 3310140 |
| ggagcaatat | tgcgagcgat  | taaggctgct  | tcaataggaa  | ttgttccgga  | accacacatc  | 3310200 |
| gggtcgatta | agtcgcattc  | gcctctccat  | ccggtcatta  | gaatcatacc  | agctgccaaa  | 3310260 |
| acttcattta | gtggagcttc  | tacttgttcc  | tgacggatc   | cacggcggtg  | caatgactca  | 3310320 |
| ccggaactat | cgagtgaag   | tgtgcagcga  | tcttctgcaa  | tatggatatt  | aatagccaga  | 3310380 |
| tccggattgc | tgatacgtat  | tgacggacga  | tttctgtct   | tttcacggaa  | atagtctaca  | 3310440 |
| atagcatctt | ttactttata  | tgcaacaaat  | ttcgaatgac  | ggaattcatt  | cgagaacaca  | 3310500 |
| actgcatcga | cagcaaagct  | gctcatgtta  | tccagataat  | cttcccaggc  | aatgctttta  | 3310560 |
| acagcttcgt | atacttcatc  | agctgttttt  | gcggtaaaat  | gcttgatggg  | tttcaggatg  | 3310620 |
| cggatagccg | tgcgacggca  | aaagttagca  | cgatacatca  | ttgctttgtc  | accagtgaag  | 3310680 |
| gagaccattc | tgctccgat   | ttcgatattt  | ccggctccca  | gttcggtgag  | ttcttgtgcc  | 3310740 |
| agtacttctt | ccagcccctg  | gaaggttttg  | gcgattagct  | cgaattcttg  | attcatttta  | 3310800 |
| actaaattac | gtaatttcaa  | ttatttgtgc  | aaaaatatga  | attttcagtc  | agtcgggtcaa | 3310860 |
| ctgtttgagg | aggtttaaat  | actttttgtg  | tccttctcgt  | tgttcccttc  | tcctgtttat  | 3310920 |
| gggtttggga | cttgagtatt  | cttatgccgt  | ctttctcttt  | atggaagttg  | catattgatg  | 3310980 |
| tcttactatt | caaaagaaaa  | aatgtatct   | ttgtggaatt  | ctgtatactt  | tgtatggttt  | 3311040 |
| ttatacaaaa | tggaggacaa  | tatagccgga  | attttggaat  | tgtctggcta  | aaagattgag  | 3311100 |
| ggtataggat | ttatgaatgg  | actgagcgtg  | ggaatgcatg  | cgtgtggatt  | tcagataacg  | 3311160 |
| gatgagggga | ttgtatagtt  | ttcgtcagta  | ctcccttctt  | attggaaacg  | ggtagtgatg  | 3311220 |
| actggattgg | acacgataaa  | cagacttata  | taaaggaaag  | gtaagttgta  | tatgcatgag  | 3311280 |
| ttagaagaat | tgctaattaa  | aaaactgcgt  | aaagggtgacg | agcgagcatt  | tcgtttgctt  | 3311340 |
| tacgatcgtc | actatgtgct  | attgtgccgt  | tttgctaate  | agttactgaa  | taatgcggca  | 3311400 |
| ttggcggaag | aagtcgtaga  | tgatgttatc  | ttttatttat  | gggagcatcg  | gcaggaagtt  | 3311460 |
| gagattcgtt | attctatccg  | tgcttatttg  | atgcgtgccg  | tacgtaaccg  | ttgtctgaat  | 3311520 |
| gaattacaat | tgacaggtca  | tcgtgaagaa  | cttcataatc  | cttctttttt  | gtcgccgtgaa | 3311580 |
| agtatggatt | ttctcgattc  | cctttttgtc  | gataataagc  | aaccattagg  | gatgcttttg  | 3311640 |
| gaacaagagc | ttgaggagga  | attaaaacgg  | agtattgatg  | aattaccatt  | ggaatgtcgt  | 3311700 |
| aagggttttt | ataaaagtcg  | ttttgaacag  | aaaaagtagc  | aagagattgc  | tactgaactt  | 3311760 |
| ggtatatcgg | tcaatactgt  | taaataccat  | ataaaaaatg  | cgttggcttt  | tcttcaaagg  | 3311820 |
| cgtttgggaa | gctatctgaa  | attacttatt  | gtttatatatt | ttatgaatag  | ttgaaatttt  | 3311880 |
| attaagtaat | aagtaagaat  | aattcttttag | tagtaagtaa  | ttcattttga  | tcttgtttta  | 3311940 |
| tagattaatc | atacagcctt  | ttgtagaatt  | tctcttgatg  | tttttttatt  | ttttgtacaa  | 3312000 |
| aaaataaaaa | gttttgtaca  | aaaaataaag  | ggatcttttc  | atatctcatt  | ttttgataaa  | 3312060 |
| gtcttttagc | taattttttt  | tgcatttatc  | aattaaaaac  | ttgcatatct  | gactaccctt  | 3312120 |
| tcaattatct | tttttgtctt  | atttcaatag  | ttcgtaaata  | attagcccag  | cctaagcggc  | 3312180 |
| tctggcagta | aataaaatga  | gttctttgaa  | aagtttgtca  | attaattgctg | tgtttggttc  | 3312240 |
| aatcccagac | acgcaaataa  | atcgttcaag  | catgtaagca  | ttgtgtatga  | ctgacttgca  | 3312300 |

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|             |             |            |             |             |            |         |
|-------------|-------------|------------|-------------|-------------|------------|---------|
| tgatgatatg  | gaatatattta | ttcccatctt | cttacaggca  | gccttggcga  | ggtttatcgc | 3312360 |
| tgcaagtgat  | gcattaaagt  | ggaatgccag | tttcctgaag  | tctgtagact  | gacagtttgc | 3312420 |
| tattccggca  | tggtgcttgg  | catcccga   | gcagaattcg  | agttggaaac  | gtgttctgta | 3312480 |
| aaagtccagg  | acatcctgtg  | cgttctgtat | ttcgtttgta  | gagaaataca  | gctgccattt | 3312540 |
| gtccgttctt  | ccatccatgg  | ggtaccatac | agccaggctc  | acaaagcggt  | tgagtgcctt | 3312600 |
| ggagtatgct  | ttcagtcctg  | aaagtttacc | cttgttcact  | ttgtactcgg  | tacatcttgt | 3312660 |
| gatgtccaga  | ttttcaaagt  | caattttctc | gtcatgtaat  | tttggacgtc  | cgcgttttcc | 3312720 |
| gtcctatatt  | tctaaggtgg  | gataaaaca  | tacggcatca  | ttcctgaaac  | ggcttattac | 3312780 |
| gtggaaaccg  | ttatcgtaca  | atggtttgat | gaaagttgcc  | tttgaaaaga  | acgcatcaca | 3312840 |
| cacgactgtg  | ccagaaatac  | gtttcagctg | ttcctgtatg  | ctgataaggt  | aagagctgta | 3312900 |
| ccagtcaaca  | agattcttct  | cacagctttc | cagcgttgctg | ttgtcaggtg  | tctgtacaga | 3312960 |
| gcccaaagtc  | atacattcat  | ggttgtcaac | gtctataact  | ccaataccgg  | ttatttccag | 3313020 |
| tccacgtttg  | tattcaccgg  | cacaaccgga | ccagaaatag  | ccaatccacg  | gcgttttgct | 3313080 |
| gcctgatttt  | ggaatgaaag  | acggatcaac | ggctatcgcc  | ttgcgaccac  | ctttaaggtg | 3313140 |
| ttccctgatg  | atggcttcat  | tgaaggaaaa | ccagtcaaag  | ccgtcgttct  | caaaattggt | 3313200 |
| gcggtatgtc  | tggtccgaga  | aacatccata | ccgtcccatt  | tgtaggaaat  | tgatgcggtc | 3313260 |
| aggatatagc  | atgaataatt  | tcattgcatc | catgaatact  | ttctgaaaag  | atttgcttat | 3313320 |
| atttacagct  | gattcgagag  | cgtttctgca | ctcggattgg  | tattgcataa  | ggagtgattc | 3313380 |
| tttagtcata  | attaaaagtg  | gtgaagtact | tctaatttac  | taaaaatcag  | tgaattatga | 3313440 |
| aatacttttt  | ctgttgattt  | tcagctgttt | agcatatctt  | tttcatccct  | tttcttactc | 3313500 |
| cttgacgatt  | tattcttgac  | agtatttcaa | tgatctcttg  | aatataattt  | tgaaccggat | 3313560 |
| tatgccgatt  | ctatgtttaa  | ttttaattta | tcggtaaaaa  | tttaccgaag  | tattgttatt | 3313620 |
| tataaaaaggc | atttaataaa  | aatgaataca | gaagaacata  | atgacataga  | tttactgata | 3313680 |
| gttcaatatc  | tttctggtgt  | gttgataaaa | gaagcgttcg  | cacggttaaa  | acaatggact | 3313740 |
| tttgcacag   | aagagaatcg  | aatttatgta | agaataaaaa  | tagagatttg  | gttttctgct | 3313800 |
| ggtacagtga  | atgaaacgtg  | tatgtttgat | aaggacaaag  | catttcaatt  | gttccaaaaa | 3313860 |
| cgtgtgaaga  | aagctcgacg  | ttctaattga | cagatgtgga  | actactcatc  | gtggaaaaac | 3313920 |
| tgggtgcgtg  | tggcagcaat  | cattttaata | ttgttattgc  | catttatcgg  | atattgggga | 3313980 |
| ggaaaggagt  | ctgtgaaaca  | aacttttgcc | gatattgtgg  | tagaagctcc  | aatggggggc | 3314040 |
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| gtatatccccc | aagggttttg  | agtggatgac | cgccgcttga  | aaatggaagg  | tgaaggggat | 3314160 |
| tttgaagtaa  | ctcataacc   | cgatattccg | tttgaagtaa  | agacgaagga  | gattaatctg | 3314220 |
| aaggctcttag | gaacaaaatt  | taattttcgt | aactatccgg  | atgacgatga  | ggccattgta | 3314280 |
| aatcttatgg  | aagggaagt   | agctctacat | aatgaggtaa  | aatgcatgcc  | tgaactttat | 3314340 |
| ttgataacctg | atgaaaaaat  | gataatgaat | aagggtgacag | gtgaaatgag  | aaaaacgaag | 3314400 |
| gcgaaggcca  | aacgttctaa  | catgtggatt | aatgatgaat  | tgttttttga  | tgaactgccc | 3314460 |
| cttaagcata  | ttgcaaaacg  | tttggtgcgt | agctatggag  | tggatataat  | agtggaagat | 3314520 |
| tctttgcagg  | ataagcgttt  | ttatggtgta | tttaaggtag  | agggaaatac  | aataaaggat | 3314580 |
| gtgcttgatg  | ccatggcttc  | tacaaatcaa | atgaaatc    | gttatgaaca  | tgggaaatat | 3314640 |
| atattatatt  | aataatcaat  | atacatagt  | atatgaaaca  | gataagagca  | agttaaaatg | 3314700 |
| agattatcaa  | tgaataaaac  | ctttgtaatc | tatctaagta  | aatctttatat | aaacttaaat | 3314760 |
| ctttaattat  | gaggaaacttt | aataagacta | tatttgtagt  | ctcggcagcg  | ctttgcctaa | 3314820 |
| atttatccgt  | cttttcgcaa  | aatgtttcct | tttctgttca  | gaatgttacg  | gtcaaggaag | 3314880 |
| cgatggagca  | attgaaaaaa  | tcacaggtt  | attcttttgt  | cttttcatca  | tcagatgtag | 3314940 |
| acactagtaa  | aaaaatttca  | gtctcaggtc | agaactcttc  | cattcaggat  | attattaaac | 3315000 |
| agattcttca  | aggacagaat  | gaattggact | atgaaattca  | agggaaaaag  | attattgtaa | 3315060 |
| aaaaaatcaa  | aagttcaaac  | cttggtgaaa | aatcaaagaa  | aatttttagcc | tctggtagag | 3315120 |
| ttttagatat  | taatggtgag  | ccaataattg | gggctacggt  | attggaaaaa  | ggtactacta | 3315180 |

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|            |            |             |            |             |            |         |
|------------|------------|-------------|------------|-------------|------------|---------|
| atggaacaat | tacagatttt | gatggaaatt  | tttctttaga | tgttcctctg  | aatattacgt | 3315240 |
| tggagatttc | atatgttggg | taccaaatac  | agcaaataat | agtacaaaca  | gaaaaacctt | 3315300 |
| atactattac | attaaaagaa | gattcggaaa  | ctttagatga | gattgttggt  | gttggttatg | 3315360 |
| gagtgcacaa | gaagtcagat | gtaacagggtg | ctgttggtag | tgtaaatagt  | gatcatattc | 3315420 |
| tttcaaaaag | atcaacttct | gttatggaat  | cgttacaagg | acaggttgcg  | ggagtagata | 3315480 |
| tttctcaaa  | ttctagtagg | gcaggagaag  | gatttagtat | atctattcgt  | ggaaaaagtt | 3315540 |
| ctatggcagg | tggaaatcct | ctttatgtca  | tcgatggtgt | tgtgtgtgat  | aacatggatt | 3315600 |
| ttttgaatcc | tgcagatatt | gaaaaaattg  | atattttgaa | agatgcatcc  | tcaactgcta | 3315660 |
| tttatggttc | tcgtgcaaca | aatgggtgtg  | ttatgataac | aacgaaacag  | gcaggactta | 3315720 |
| cagataaaa  | caatacaaaa | gtccaagtgt  | cttatgatgg | gtattatgga  | tataagactg | 3315780 |
| tagctaatat | gcctgatttt | atggatgggg  | atgaatggac | aaattataga  | tttcagcgtt | 3315840 |
| atacgacatt | aaaatctggt | gatgagtttg  | gacatccgac | ttatgagatg  | ttggattctg | 3315900 |
| agtggagagc | attttgggga | aataatagtc  | caaaaatgaa | agaaatgttt  | ttatcaaagg | 3315960 |
| aatattatga | ttggcctgat | ttggtgacat  | cagacggaca | acagcaaaat  | cattatatta | 3316020 |
| atattgctgg | taatgcgaaa | aaaatttctt  | atcgtgtgag | cttaggatat  | caaaaagaag | 3316080 |
| atggagtatt | aacgtgagtt | cgatataaag  | attaaaatta | tcagtttgaa  | aattaggaac | 3316140 |
| atagcgataa | aagcattaaa | tttatagtgt  | ctaagtataa | cattttaagcg | attaccacta | 3316200 |
| tgttctcaga | gtctaaagtt | acggagattt  | tttgtatggc | ggatgatttt  | tgcaaggaat | 3316260 |
| ttgccaaaac | acaggaaaaa | tatatgggtg  | aagaaaagaa | tcataagcat  | cggacaagc  | 3316320 |
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| tcagatgttt | caagcattac | tacaaagaat  | atgtatgcaa | acatctgacg  | catctctttc | 3316440 |
| ccagacgtgt | gtcctataac | cgttttgtgg  | aactggaaaa | ggaagtcctg  | ttgcagctga | 3316500 |
| ccattttcat | caaggaagtc | ctgttggtga  | cctgcaccgg | tatcagcttt  | gtggattcca | 3316560 |
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| gtgctttgat | tgaacagtc  | aatgacgagt  | taaagaacat | cgcccagatt  | gaacactcca | 3316980 |
| gacaccgttc | cttcaataac | tttattgcca  | actcgctctc | tgccatagct  | gcatactgct | 3317040 |
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| tttaatttat | ttcgaactca | cgttactttt  | attttcaata | tatcaaaaat  | tatatccttt | 3317160 |
| ttatcaaaa  | cgctaatttg | cagatgatga  | taaattacga | tatttacttc  | ctaaaattgt | 3317220 |
| gaatggcatc | ttataatcta | ttattctcat  | tcccttaatg | attgaatatt  | atgaaaatca | 3317280 |
| aattgtctgt | attaagtcct | tttataggtc  | tatcgtctgt | attattggct  | caagaaaagt | 3317340 |
| tgatatcttt | acgtccaact | ttaaattctg  | atgatacgaa | atcatgccct  | ttttctcaac | 3317400 |
| gagatacaag | agtacgtgaa | tacgtgacgc  | ctgtaaggat | ggataggcaa  | cagcataccg | 3317460 |
| aacttatgac | aggaaccgat | ttttgttcc   | gtcagggtaa | cggacaaccg  | gatttggtaa | 3317520 |
| atgctaatat | ttgtatcctg | cgttcccaa   | atggagtaaa | gccctctatc  | ttgcttgatt | 3317580 |
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| caataactgt | gcgtatacgt | tttgagagat  | cggtgagtga | agcaatgtgt  | gaaattgatg | 3317700 |
| gaaagaatgg | ggcgtcaaat | gaccatgcga  | ttcgtgattt | cgaaatgaaa  | ttgccctggt | 3317760 |
| taggagtagc | agaatttgga | aattcggggg  | ttagattttg | tcgtattgat  | ttaatagatg | 3317820 |
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| atacggttca | tttgaatatg | caagaatttc  | tttgggatgg | cataaaaaga  | gataggttgg | 3318000 |
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| aggagagatag | aaattatttg | aactcacaaa | aagactatat  | cgttggtctg  | ataaggttcc  | 3318240 |
| tgatgaattt  | tggtgatgaa | aaaggaggtg | aaaagcttga  | tggaaatgct  | tttcttgatt  | 3318300 |
| ggccttcttc  | caatagtccg | gaatcaattc | atgcgggatt  | acaagcatta  | ttggtaatgg  | 3318360 |
| cgatggatgc  | aagttatgag | ctatgtaaca | tcttaggaga  | aactgagctg  | gcaaagtagg  | 3318420 |
| cagaaaagatt | ggcaaaaaaa | atgagaaagg | cggcgccagc  | tgtgcgtaag  | caatatttaa  | 3318480 |
| aatcgatgaa  | agacccttct | gctccaggcg | caaacaagg   | ggctgcattg  | atggtattgg  | 3318540 |
| caaatctgat  | ggatgcaaaa | gaagccgatc | aacatattat  | ttcagtcaat  | ggagctcatg  | 3318600 |
| gcttttcaac  | cttttatgga | tattatatgc | tgaaggctat  | ggctaaagca  | ggagattaca  | 3318660 |
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| ctttctggga  | ggattttgac | ttaaattggc | tgctaatgc   | agcaaggata  | gatgaaatag  | 3318780 |
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| gtcatagctt  | ttgtcatgga | tgggcttcag | ggcctacttc  | ttggttaagt  | gaatacgtat  | 3318900 |
| taggggtgca  | ggtagtagag | ccgggttgta | aggttattcg  | catagttcct  | catttaggtg  | 3318960 |
| atttgaaatg  | ggtaaaagga | acttttccca | caccttatgg  | tattatttcc  | atcagtcata  | 3319020 |
| cattaagtga  | taatggtaaa | attgtaactg | aggttgatgc  | tccttctgag  | gttttggttc  | 3319080 |
| tacgtgaatg  | ataaaggggc | attatagaaa | aatgtagttt  | cttcatggta  | ataattgggt  | 3319140 |
| gacaatgaaa  | gcaaggcatt | atttatcttt | ttgtttgata  | ggattgtttt  | tgaattttat  | 3319200 |
| aagttgtaag  | tcggaactag | gcaatgaagt | gacctgtcg   | gaactggaga  | catctttcag  | 3319260 |
| aactgttcca  | gactctgtaa | agattggagt | ctattggtac  | tggatatcga  | ataatatatc  | 3319320 |
| taaagaagga  | gttatcaagg | atttgcaatc | aatgaaggag  | ataggtataa  | acagggcttt  | 3319380 |
| tattggaaat  | gtaagtttgc | ctgaagttgc | agaagggaat  | atcaagggtt  | tgagtgatga  | 3319440 |
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| ctttttcaat  | ggtcctggat | ggagtcaatc | tggaggccca  | tggataacag  | acaatcaaag  | 3319560 |
| tatgaggtat  | cttgatgacg | cttcggttag | agttgaggga  | ggacgtgata  | ctgttattgt  | 3319620 |
| gttaccagaa  | ataaaaaatg | gtcaagatgt | aaagggtgtg  | gcatatcctg  | tttttagcaga | 3319680 |
| atcacaggaa  | aagtggagtt | ttactaaaaa | agaaggagaa  | gagattgggtc | tacagttacg  | 3319740 |
| ggctccagct  | cctaatatgc | gctctttaat | ttttgaaaca  | gacactccga  | ttaaaagt    | 3319800 |
| tggaaaagatt | tatgcaaaa  | aaggaaatac | tttccggttg  | cttaaaagt   | ttgatattga  | 3319860 |
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| aatgtttcca  | actccacttc | ctatgtggaa | ggattattta  | tgggagggaac | aacctcttgt  | 3320100 |
| ctccaataaa  | gagcaggtat | tggacctga  | aaagattcct  | gatttgacgt  | cagatgtgaa  | 3320160 |
| taagggtgtt  | ttaacatgtc | atttacctaa | aggccagtgg  | aaagtcgtac  | gctatgctat  | 3320220 |
| gaaaacgact  | ggagtaacca | atgctcctgc | tgctcctgaa  | gctacagggt  | tggaaattga  | 3320280 |
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| acggatacca  | gaagaggaca | gaaaatgttt | taaagttact  | gtcatggata  | gttatgaaac  | 3320400 |
| gggtggaatg  | aactggaccg | atgatattga | acagaaattt  | attgaaacgt  | atgggtacag  | 3320460 |
| tcctattcct  | tatttacctg | tggtgcatgg | agaggttggt  | ggaagtcctg  | atatttcaga  | 3320520 |
| tcgatttctt  | tgggatttac | gacgattgat | agcggattgt  | gtttcctatg  | aatacgtggg  | 3320580 |
| agccctcagt  | aaattaagcc | ataaacacgg | attgacaact  | tggttagaga  | attatgggca  | 3320640 |
| ttgggggattt | cctggtgagt | ttttgcagta | tggggggccag | tcggatgaag  | ttgcagggtga | 3320700 |
| attttgact   | acaggtgatc | ttggaaatat | tgaaaataga  | gctgcttcgt  | cgtgtgctca  | 3320760 |
| tatttatgga  | aagcgtaaag | tttgggccga | atcttttact  | gtaggtggag  | gagattttac  | 3320820 |
| gcatgatcct  | tatgaaatga | aacagcgtgg | tgaccgcttc  | tttacggaag  | gcatcaatgc  | 3320880 |
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| agattacctg  | aagcgttgta  | atatgatact  | acagagtggg  | aagtatgtag  | cagatattgc  | 3321060 |
| ttatttcatt  | ggtgaagata  | ctcctaaaat  | gacgggacct  | gttgatccgg  | cagtacctaa  | 3321120 |
| agggtatgct  | ttcgattata  | tcaatggaga  | ggtactgttg  | aaatcagctt  | cggttaaaga  | 3321180 |
| tgggtatttg  | gtactatcaa  | gtggatgaa   | atatcgaata  | cttatattac  | cagattttaa  | 3321240 |
| aaccatgcgt  | ccggagattt  | tgcaaaaaat  | aaaatcgttt  | gtacatgacg  | gtttaatagt  | 3321300 |
| gtaggaaaat  | gctccggata  | gatcacctag  | tctacaaaat  | tatcctgatg  | cagatagaga  | 3321360 |
| agttcgttgt  | ttggcaaaag  | aaatatgggg  | agacaaacat  | gtgtcatcac  | gaaaatatgg  | 3321420 |
| taaaggatatg | gtatatggtc  | gtgaatgcca  | tttggactct  | ttattactga  | agaatcatat  | 3321480 |
| tttaccggat  | atgaagatag  | aagatgatgt  | tcccgttctt  | tttattcata  | ggaagataac  | 3321540 |
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| tttcagggtg  | aaaaatatgc  | agcctgaact  | ttggaatcct  | gtgacgggtg  | agataaggta  | 3321660 |
| cttaccagaa  | tatagtgtgt  | ctgaaaaagg  | tacgacttta  | gatttgcaat  | tagatgatag  | 3321720 |
| tgagagtgtc  | tttgttgtat  | ttcgtcattc  | taagcgtact  | ttcaatggag  | gtacaaataa  | 3321780 |
| tcctgtctta  | catgaagaat  | tgaatattat  | tggaccatgg  | aatgtacatt  | ttaaatcgat  | 3321840 |
| agatggagtc  | tcagaaaaaa  | atataaaaaat | ggaccaattg  | gatagttgga  | ctaatagcaga | 3321900 |
| agataatgat  | attaaatatt  | tttcgggtgt  | cgctacttac  | agaacgatat  | ttcaagttga  | 3321960 |
| tagtatttgc  | tcagaatctg  | tttattttaga | tttgggtaaa  | gtaatggtga  | cggcaaaagt  | 3322020 |
| aaaattaaat  | ggtaaataatg | tgggaggagt  | atggacagct  | ccttatcggg  | tgctaataac  | 3322080 |
| tgatgagatc  | caaaaaggta  | agaatgtttt  | ggaggtagag  | gttgtaaata  | attgggtgaa  | 3322140 |
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| tacatggcac  | ccagattcgg  | agttacagca  | atctggatta  | ttggggcctg  | taaggttggt  | 3322260 |
| gggtacgtct  | gaattacatt  | ttgtagaata  | aagtatgcat  | cttttatttt  | atacttatga  | 3322320 |
| agaataaaat  | cttggttatct | gctatattgg  | tagttttttc  | tgtgtcactt  | tttgctcaga  | 3322380 |
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| aacgtctaaa  | agaacaattg  | aaaattttat  | cgcagtcggc  | tacggatggg  | ttttcggtaa  | 3322560 |
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| atgtaatcca  | tacagagaat  | agctatgtat  | tacatccgct  | gcatgggaaa  | aaattggttg  | 3323040 |
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| agaaaaagta  | tttcataatt  | cactgatttt  | tagtaaatta  | gaagtacttc  | accactttta  | 3323760 |
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| cagacatacc  | gcaacaattt | tgagaacgac  | ggctttgact | ggttttcctt  | caatgaagcc  | 3324000 |
| atcatcaggg  | aacaccttaa | aggtggtcgc  | aaggcgatag | ccgttgatcc  | gtctttcatt  | 3324060 |
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| ggcacagtcg  | tgtgtgatgc | gttcttttca  | aaggcaactt | tcatcaaacc  | attgtacgat  | 3324360 |
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| aaagcatact  | ccaaagcact | caaacgcttt  | gtgagcctgg | ctgtatggta  | ccccatggat  | 3324600 |
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| gcatcacttg  | cagcgataaa | cctcgccaag  | gctgcctgta | agaagatggg  | aataaaatat  | 3324840 |
| tccatatcat  | catgcaagtc | agtcatacac  | aatgcttaca | tgcttgaacg  | atttattttgc | 3324900 |
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| ggctgaagct  | catggaatta | tttcgactgg  | gcatcaggat | caggaggagg  | ttgttaatcc  | 3326040 |
| ggtaagtgtt  | tctggcgatc | ttatgcttga  | cgggaaatat | atgggaatgc  | ctggtattga  | 3326100 |
| caaaattggg  | ggaaatcgac | ctgctgaaga  | tttttataaa | gttgatctct  | catcagcaaa  | 3326160 |
| taattgggat  | aagacttatg | tgatgtcgga  | aacttatggt | gatatgggaa  | atatatctat  | 3326220 |
| agaacgtatg  | tacaatattg | ctatagaaca  | atatacaaaa | ggaattaatc  | agcttatacc  | 3326280 |
| tcatgctgtt  | tggtataata | atgccgatgt  | gtggttcctt | ccggaactct  | cttatcgtaa  | 3326340 |
| ttcacgatat  | aattctctgc | ttgctgattt  | taatagattc | ctttcacgct  | taaactatat  | 3326400 |
| gttggtcacgt | acaggacgtc | atgtggctga  | tgtcgcaatg | atatatccta  | tcaatacctt  | 3326460 |
| acaagctggg  | cattattttg | atggccaga   | aggtttttac | aaagggtggag | tgaatatacc  | 3326520 |
| agatgtcgat  | tataatatgg | tatcacgtat  | gcttactgat | aatcttggca  | ttgattttac  | 3326580 |
| ttatatcat   | cctgaagtaa | tggacgaccg  | ttgctctggt | gatcatcaac  | gtttggtgat  | 3326640 |
| gaagaataag  | attaatacgg | aatcgttttc  | tgttattata | ctaccaggtt  | gtagagtgat  | 3326700 |

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| aacattaagt  | aatatgaaaa  | aaatagaaaa  | ggcatgggaa  | aatggtgtaa  | aggttatfff  | 3326760 |
| tacgacacaa  | ttacctcaac  | aggttgccga  | tggagatgga  | acagatgatg  | atattacagc  | 3326820 |
| cattgtcaac  | cggatgctcg  | tatcggagcg  | aaataaagg   | tatgctgtgt  | ttgtgaaaaa  | 3326880 |
| tccaaatgat  | gaagctctcc  | gtaatgctct  | tatgacggta  | aaccttgatg  | ttcggttcag  | 3326940 |
| tgatgctgaa  | catccgttca  | actatataca  | taaagtcatt  | tcggggagta  | atftatatta  | 3327000 |
| tattgggaat  | atagacgata  | tggatcataga | aaataagatt  | atactcagag  | ggaaattaac  | 3327060 |
| tgaatgtact  | ttgttggatc  | cacgaactgg  | taagattgaa  | cggcggctg   | tcagctatga  | 3327120 |
| taatggaaat  | tcagtaataa  | ctcttaatct  | tgcacccgga  | cagtctgttt  | ttttagtcga  | 3327180 |
| aaatactatt  | ttcggagagg  | tctcacagat  | gtataatact  | atgccttttg  | cttttaatgt  | 3327240 |
| tcgctgctta  | cggatgaatat | actaagattg  | atatctatta  | attaaatata  | ttacatgatg  | 3327300 |
| aagataaaat  | atccttttatt | gtttgggttg  | atftttattaa | aatcgacttt  | tgttgctgtc  | 3327360 |
| tctcaggagc  | aatgtgtacc  | aatagggatg  | ctctgcgagt  | atftaaacaa  | tccttttaggt | 3327420 |
| attgatgtat  | tacatccacg  | gttacaatgg  | catttagatg  | atgtaaggga  | gggagcaaa   | 3327480 |
| caggaagctt  | atagagtttt  | tgtcagtaca  | gactctgtaa  | agttggctga  | taaaaattat  | 3327540 |
| gcggattgct  | gggatactgg  | taaaaaggaa  | actgaagcaa  | tgcagttggg  | atatgatggc  | 3327600 |
| aaacaattga  | taccgttcac  | aaaatacttt  | tggaaagtgt  | aagtgtggga  | taaagatgga  | 3327660 |
| aataaaacga  | cttctgatat  | cgctaacttt  | gaaacgggca  | tgatggaaat  | gaagaattgg  | 3327720 |
| agaggatctt  | ggattagcga  | tggccgagat  | atggattatc  | agcctgctcc  | ttatttccgg  | 3327780 |
| aaagagtfta  | cggtaggtaa  | gcgcatacaa  | tctgccaggg  | catacattgc  | tgttgctgga  | 3327840 |
| ttatatgaac  | tttatgtgaa  | tggacagagg  | attggggatc  | atcggttga   | tccaatgtat  | 3327900 |
| acacgttttg  | acagaagaaa  | tttgtatgtg  | acatatgatg  | tcacgaagct  | tatacagagt  | 3327960 |
| gggaagaatg  | ccattgggtg  | cttattggga  | aacggatggt  | ataatcatca  | gtcgattgct  | 3328020 |
| gtatgggatt  | tccatcgtgc  | tccttgga    | aatcgtccta  | cattttgtat  | ggatctgcat  | 3328080 |
| atcgtgtatg  | cggatggaac  | aaaagagggt  | atftgtacgg  | accgtgactg  | gcgtaccaag  | 3328140 |
| gaaggagctt  | tattgttcaa  | cagtatttat  | actggagagc  | attatgatgc  | acaaatggaa  | 3328200 |
| ttgaagggtt  | ggaaccttcc  | gggatatgac  | gattcagaat  | ggagagaatc  | atcttaccgt  | 3328260 |
| agtataccat  | cggctcattt  | agtttcacag  | caattacggc  | ctatacgtgc  | tgttgaaacg  | 3328320 |
| tacgcagcgc  | gtcgaatgac  | ttgtctatct  | gattcgattt  | atgtatttga  | ttttgggcaa  | 3328380 |
| aatatgtcgg  | gagttacatc  | acttcgagtt  | tctgggcaga  | aaggaaactgt | tattttattta | 3328440 |
| aaacatgggtg | aaagacttta  | tcctaattgga | agggtaaata  | cttcaaacat  | agatgtatat  | 3328500 |
| catcgtccaa  | tagataactc  | agatcctttt  | cagacagata  | tcgtaacctt  | gaaaggggag  | 3328560 |
| ggccaggagg  | aatttatgcc  | gaagtftaat  | tataaaggat  | ttcgttatgt  | agaagtaacg  | 3328620 |
| agcagtcgac  | cgattaagtt  | gaatgagcaa  | agcctgacag  | cctattttat  | tcatagcgat  | 3328680 |
| gttccacaag  | tagggtttat  | acaatcttcc  | gatacaatca  | ttaatcgttt  | atggagagct  | 3328740 |
| acaaataaa   | catatctctc  | aaatttaattg | ggatatccta  | ctgattgccc  | tcaaagggaa  | 3328800 |
| aaaaatgggt  | ggacaggaga  | tgcacatttt  | gccattgaaa  | ctgctttata  | taactacgat  | 3328860 |
| ggcataactg  | tatatgagaa  | atggcttgcc  | gatcatcggg  | atgaacagca  | acctaacgga  | 3328920 |
| gttcttccgg  | atatcattcc  | tactggagga  | tggggatatg  | gcaccgacaa  | tggacttgac  | 3328980 |
| tggacaagta  | ctattgctat  | tattccttgg  | aatttatatt  | tattttatgg  | cgaccttaag  | 3329040 |
| cctttgacgg  | attgttacga  | tgctataaaa  | aaatatgttg  | attatgcaga  | gcgaaaaagt  | 3329100 |
| gttggccggg  | taacagactg  | gggacgaggt  | gattgggttc  | ctgttaagtc  | gcattcatcg  | 3329160 |
| aaggagttaa  | cgtcttctac  | ttatttttat  | gtcgaatgca  | aaatatgttc  | tgaacagca   | 3329220 |
| aaattgctag  | gtaaggaaga  | tgattatctt  | tattattcaa  | aattggctga  | ggaaataaaa  | 3329280 |
| caggctatta  | atgctaaata  | tttaaaactat | gaaacagggtg | tttacgctag  | tggcactcaa  | 3329340 |
| acggaactaa  | gtgtacctct  | tatgtgggga  | gtgactccag  | aaaatatgaa  | acgtaaagtg  | 3329400 |
| gcacataatt  | tagcatgtaa  | ggttaaagaa  | tgtggatttc  | atfttgatgt  | aggtgtacta  | 3329460 |
| ggagccaaa   | ccttgctgaa  | tgctttaagt  | gaaaatgggg  | aggctgaaac  | ggcctatagg  | 3329520 |
| ttagccgtgc  | aggatactta  | tccttcgtgg  | ggaaactggg  | ttgctaattg  | agcaacgact  | 3329580 |



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|            |            |            |            |             |             |         |
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| ttgcttgaaa | attgggattt | aaatgctacc | cgtgatattt | cggataatca  | tatgatgttt  | 3329640 |
| ggtgagattg | gaggatggct | atataaaggc | ttaggaggta | tttatcctga  | tagtaaattc  | 3329700 |
| cccggtttta | aacatattat | actaaagcca | tatattccaa | aagaattaaa  | gcaatttgaa  | 3329760 |
| gcgacccata | attcacctta | tggaaaaata | tattcaggtt | ggagtcaagt  | gggtaataag  | 3329820 |
| gttatataca | aagtaattgt | ccctccta   | tctactgcaa | ccttgttcct  | gcccgataat  | 3329880 |
| gtatctgata | gtaataaaa  | aatggaattg | aagtctggaa | cctatagttt  | tgatttgaac  | 3329940 |
| tttatcaagt | aggcggttgt | aaatagcttt | cagagataaa | atttaactta  | tagaaatttt  | 3330000 |
| tcgggaaaat | aatgcgaatt | ggtgatcttt | tgacaaccaa | ttcgcattta  | tattttatcc  | 3330060 |
| ctcaataaat | gaatgtaatt | cttcttagag | aaatttttat | tgtacgttgg  | taaataatgaa | 3330120 |
| aaagggtatt | ccctacgttg | tacgatgcgt | gctccggccg | gtacactttc  | cgttaccagg  | 3330180 |
| atattaccac | cgattgttgc | acctttccct | atggtgatag | gtcctaaaat  | agttgcatta  | 3330240 |
| gagtatacga | taacgtcatc | ttccagaatc | ggatgacgag | caattccctt  | tatcggtatt  | 3330300 |
| ccattttcat | cgagcggaaa | acttttggct | cctaattgta | ctccttgata  | aagtttcaca  | 3330360 |
| ttatttccga | tgatacatgt | ggcaccgatt | acgacacctg | taccgtgggtc | gatggtaaaa  | 3330420 |
| tgatgtccaa | tctgtgtccc | cgggtgaata | tcaattcctg | tttccgaatg  | agccatttca  | 3330480 |
| gtaataatac | gaggaatgag | gggaacattc | agcatataca | gttcatgagc  | tatgcggtaa  | 3330540 |
| ttggtaattg | cacgaataat | aggatagcaa | cagatgattt | ctccaaagca  | agtggctgcc  | 3330600 |
| ggatcaccat | aataggctgc | ttctacatct | gtagcgagaa | tacgtcgtat  | ctcaggaagt  | 3330660 |
| ttgctgataa | agcgtgctgc | gatggaagcg | gccgtatctc | ggtcgggaat  | tttcttgatg  | 3330720 |
| gtgttttccg | aaggattatt | ttccagtcgg | aaacacaaac | ctgcttgatg  | ttgttctgtc  | 3330780 |
| agcaaaccac | atacttcttc | tacattgact | ccaatgtgat | aattgattgt  | tctccggtga  | 3330840 |
| acggtggaat | ttccaaaata | gccggggaat | agaatctcgc | gggctaattc  | gacgatgcgg  | 3330900 |
| cggagtgatt | tccctgacgg | aagtggatcg | ccgtctttgt | attggtgaaa  | caaaccttcg  | 3330960 |
| tatgaacgat | tgtagatag  | ttcgcttact | gcttgcgta  | gggtatgtgt  | gtaatcggat  | 3331020 |
| atactcataa | tactttgttt | tagtttgaaa | aacaaagtta | gttattttca  | ataagtaaaa  | 3331080 |
| taggagagag | gactgttttc | ctcttcctgt | atcgattata | attgtatttt  | tgcaaaaaaa  | 3331140 |
| tacagataat | atggtagtga | ataagaaaaa | tccttttgcc | tggaaagcca  | agcagtcggg  | 3331200 |
| aaagaaaaag | acaagtggta | aacgtgtagg | caaactgaag | cctgaaaagg  | caaataatca  | 3331260 |
| gctgaataga | agagtaaaat | aattcttctt | cattcagttg | agcaaattgat | accacctcct  | 3331320 |
| aaaactacgt | cattccgata | aaaagcggca | gcttgctcgg | ctgcaatggc  | ggccagcggg  | 3331380 |
| tcatgcaacc | tgatgtatag | gcgtccgtca | ggagttagag | taacagtaca  | gcggttggct  | 3331440 |
| tgtttacggt | agcgtatttt | gacgatgatg | tcatcggtcg | tttcaaacaa  | ggcagctgga  | 3331500 |
| ttcgtcacat | gccagtcggg | gagatacatt | tctgtctgtt | ccagcgagcg  | gagtgtgtcg  | 3331560 |
| ctgatgatga | cactgttggg | ttgtggaata | atctgtttta | caaatagtgc  | tttattcagg  | 3331620 |
| taaattccta | atcctctgcg | ttgtccgata | gtataaaaag | gatatacctt  | gtgtttccct  | 3331680 |
| aagcaattac | cgcattcgtc | ataaaagtgt | ccgggcacaa | tgagatcctt  | ttctacgtgt  | 3331740 |
| tcttttagaa | aactccggta | gtccatgggg | caaaaacaga | ctcccagact  | gtcatgttta  | 3331800 |
| tgagcgggct | tcagggtgtc | ccgttcggcg | gcaatcctac | gtacttccct  | tttagtcagt  | 3331860 |
| gcccccatag | gcagtagcat | gcgttcagg  | atgtcttgtg | gaattcccca  | caaaaagaat  | 3331920 |
| gactgatctt | tgtagctgtc | ggctccagcg | gtaatatgcc | agtatccgtc  | gatgttccgt  | 3331980 |
| ttctgtacgt | aatggccggt | tgcaaaaata | taaattgccc | tttcatcagc  | caattgtttc  | 3332040 |
| agcaatggcc | atttcaggta | attattgcaa | agtgtacagg | gtacaggagt  | gcgtcctgcc  | 3332100 |
| atgtattcat | tgataaagta | ggaaataatt | tggtggcgga | atttctcccg  | tacatcatgg  | 3332160 |
| gttatatggg | gaatatttta | ccgttcacat | aattcacggg | catcgtccag  | atattctgta  | 3332220 |
| ttgttatctt | tttcatagaa | acggaaagtt | acgccggtta | cttcgtagcc  | ggcatcttgc  | 3332280 |
| aggagcaacg | cagcgaccga | actgtctgtt | cctccgctca | tacctaacag  | gactttcttg  | 3332340 |
| ttttcttgca | tattatttta | cgtatgggca | taaaaaaagg | agtaccgctg  | tactccaacc  | 3332400 |
| tttgtaaac  | ttaaacttaa | tactatgaaa | aacacgatgc | aaaggtagcg  | acttttgga   | 3332460 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| aatctgcaaa  | tattacagct | aaaaaactat | gttttataac  | atgattttaag | aattcgcctt  | 3332520 |
| gttggttctat | gtttgttaac | taaaagattt | acatcttttc  | ttgacgagtg  | tacactgttt  | 3332580 |
| tctattttttg | gtaagctaag | ctggcggcct | ttcgagaaaa  | aaaagaccct  | ctgttttcctt | 3332640 |
| attattttctt | ttttccgtac | ttttgtgact | taactaaaag  | agataattat  | ggaaaataag  | 3332700 |
| ctgactattt  | ataatacgtc | tacccgtcgc | aaggaactgt  | ttgttccgtt  | gcatgtctct  | 3332760 |
| catgtaggca  | tgtatgtgtg | cgggcctact | gtttatgggt  | atgctcattt  | gggacatgct  | 3332820 |
| cgtccggcta  | ttacattcga | tattcttttc | cgttacctta  | cgcattctggg | ctataaggta  | 3332880 |
| cgttatgtac  | gaaacattac | cgatgtaggt | catttggaac  | atgatgtctga | tgacgggtgaa | 3332940 |
| gataaaaattg | caaagaaagc | tcgtctggaa | caattggagc  | cgatggaagt  | tgttcagtat  | 3333000 |
| tacctgaacc  | gctatcataa | ggctatggag | gcgttgaacg  | tgcttcctcc  | cagcattgaa  | 3333060 |
| ccgcatgcat  | cgggacatat | catcgaacag | attcagttgg  | tgaaagagat  | cttgaagaac  | 3333120 |
| ggatatgctt  | acgaaagcca | gggttctgtt | tactttgatg  | tggcgaaata  | taacaaagat  | 3333180 |
| catcattacg  | gaaagctctc | cggacgtaat | ctggatgatg  | ttatcaatac  | aaccctgtgag | 3333240 |
| ctggacggac  | agcaggaaaa | acataatccg | gccgattttg  | ctctctggaa  | atgtgcacag  | 3333300 |
| ccggaacata  | tcatgcgctg | gccttcaccg | tggagcgatg  | gtttcccggg  | ctggcattgc  | 3333360 |
| gaatgtactg  | cgatgggacg | caaatatctg | ggtgaaacgt  | tcgatattca  | cggagggtggc | 3333420 |
| atggacttga  | ttttcccgca | tcatgaatgt | gaaattgcc   | agagtgtagc  | ttcacaggga  | 3333480 |
| cacgatatgg  | tacgttattg | gatgcataac | aacatgatta  | ccatcaacgg  | ccagaagatg  | 3333540 |
| ggtaagtcac  | tgggtaactt | cattacgctt | gatgagttct  | ttaccggatc  | gaacaaactg  | 3333600 |
| cttgctcagg  | cttattcacc | gatgacgatt | cgtttcttca  | tccttcaggc  | acattaccgc  | 3333660 |
| agtacggtag  | atttcagcaa | tgaggctctt | caggctgctg  | aaaaaggctt  | ggaacgtctg  | 3333720 |
| atggaaggag  | tcaagaatct | ggaacgtatt | actccttcga  | aggcgaccac  | aggtattgaa  | 3333780 |
| ccggccggat  | tgctgaaaaa | atgctatgaa | gctatgaacg  | atgacctgaa  | tacaccgatt  | 3333840 |
| gtgattttctc | atttgttcga | tgctatccgt | atgattaata  | ccgtaatcga  | caagaaagca  | 3333900 |
| actatcagtg  | ccgatgatct | tgctgaattg | aagagtgtat  | tccatacatt  | tgtattcgat  | 3333960 |
| atcctcgggt  | tgaaggctga | ggctgaaaac | aatgctgcac  | gtgaagaagc  | gtttggcaaa  | 3334020 |
| gtggtagata  | tgctgcttga | acagcgatg  | caggcaaagg  | ctaataaaga  | ctgggcaact  | 3334080 |
| agtgacaaga  | ttcgtgatac | attggctgcc | ttgggatttg  | aagtaaaaga  | tacaaaagat  | 3334140 |
| ggatttacct  | ggaagctgaa | taaataaagg | ttcatctttt  | tacagataaa  | taaacgcgga  | 3334200 |
| tttgtgcaga  | tataattgca | tgaatccgcg | tttgtttgta  | ttaccacatc  | gattataaat  | 3334260 |
| aaattttaatt | gcttttttcc | cttcacatgt | ttttcggaag  | gagataaaaag | ctattttcgta | 3334320 |
| ttacgactgt  | ataaagacaa | gcttatgtaa | gatgcaggat  | gtgtgaaggg  | taaaaaggca  | 3334380 |
| tgaaaaatta  | agaaaaacga | cgtgtttgga | gagatttctc  | tcgatgtttt  | tggaagattt  | 3334440 |
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| aacctgccgg  | aagttaaagc | aaaagctcgc | tacgaatgat  | gcggtatatt  | gcagcctgtc  | 3334560 |
| atcattcata  | gcgagcttat | gttgatctct | ttcgtctgat  | agattttattt | cacgatggaa  | 3334620 |
| gtgagcggat  | gtctgttgcc | tttgatatcg | gtaagggaatg | cctttgccga  | cccgaagtcc  | 3334680 |
| agatacatat  | ccagtcggac | cggtaaatga | ttgcggctct  | cggttacata  | aaatgtaatc  | 3334740 |
| acctcttttt  | ccttggtgtt | tacgtattcc | acgagcgaga  | aaaccagaca  | acggtatgtt  | 3334800 |
| actccttggt  | cggaggtaaa | attttccttt | cctctataaa  | tcagtgtctg  | cttttcgacg  | 3334860 |
| gcacgtcctg  | ttgccataga | gaataatatt | tttattcccg  | gtttgtagtc  | ggacggatcg  | 3334920 |
| tacgaacggg  | cttgacgcaa | gatactcagc | atatcgtaga  | cacataccgg  | catttcgtcg  | 3334980 |
| tgtctttttat | ctgtcttgcc | atacaatgta | cgttgctgat  | cgacgataca  | tttcccgttt  | 3335040 |
| ttgtaactga  | aatgtacttc | atctaccgta | tagcgcttac  | cttcttcagc  | ttcctttcgg  | 3335100 |
| aaatataacg  | gttccagctg | ctgactagta | atacacgtca  | gcgtgtcacg  | catcttgaag  | 3335160 |
| aagaagtcta  | tcttcttggt | cgtgtacgat | tgcaaatcgg  | ttctcaggca  | aggctggcct  | 3335220 |
| ttatgagtcg  | tttcggtgac | tgtcatttta | gcccattccg  | cattgatcca  | gatgaacttc  | 3335280 |
| cagttaaatt  | tcagttcata | actcaatggt | tctcccgggt  | taattgcatc  | gttttcagct  | 3335340 |

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|             |             |            |             |             |             |         |
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| tttatcatga  | ccttcctaga  | tttttggtc  | gttctttatt  | cctatctttt  | attttcttgg  | 3335460 |
| tttcgtcggg  | tttttgcttc  | tttatttcgt | ccagcttttg  | cttggtgagc  | ggggtagcat  | 3335520 |
| gtatgtccca  | cgtttcctca  | aattcgaagt | tggctttcat  | ttcccagact  | ttcgggaagt  | 3335580 |
| agaagacctc  | ctctgcctga  | cgtttgcttt | cgtaaaggcc  | ggatattccat | tttccgttat  | 3335640 |
| tgttatcatc  | gttgatgagg  | cggatgtaat | atttcgtgct  | gggctgcaag  | aaatagaaat  | 3335700 |
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| aatccagttg  | catggtcagc  | gtatcgcggt | cgcataagag  | ggatattcctt | atccagtata  | 3336360 |
| gaatactatc  | cttgcgtagg  | tttgcttcaa | cgataagttc  | cttttcatcg  | aagtcgagtc  | 3336420 |
| ccttcaatgt  | aggcagtgtg  | tctgccttgg | cactaaaata  | aagtgcacac  | tgcgttggtt  | 3336480 |
| taggtcggtc  | gctcttcac   | agatactgga | ggctgttttc  | ttccttgaaa  | gcccgcagga  | 3336540 |
| tgatgttatc  | gggcatgaac  | cttggttagt | tgacttggtt  | gatggatcgc  | attttcgtcg  | 3336600 |
| tatcgagctc  | gttccatacc  | gtatcctgac | ggacagctcc  | ctccatgctg  | ggcacaatca  | 3336660 |
| gcgaatcctg  | aaaggcgatt  | gcttctgttt | tggagtcgaa  | caggtaattc  | tggtttccgt  | 3336720 |
| ccatcaaggc  | atagatgcga  | taactgccc  | gagcaatacc  | tcggatcggt  | aattgcccgc  | 3336780 |
| ggctgtctgt  | acgtgaaata  | cggctgaacg | gcagtttggt  | gaaagccgaa  | tcgttcagggt | 3336840 |
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| tacccgatac  | ctgcatcggt  | tcaatgttag | aaccggtaga  | aaaagcgat   | gcaaactgtc  | 3336960 |
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| tattttcctg  | tagcgtatcg  | aagaattcca | ctagtaccct  | tctgccactg  | gtctttacct  | 3337080 |
| caggactttc  | cttttgggga  | ggagaaataa | tcaccttttc  | ggaagcattt  | tccagcttga  | 3337140 |
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| gagtagcacg  | tacgaacttg  | ggcggttcct | cgctcgtaagg | tcctccgtct  | ggtgatccgg  | 3337260 |
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| gcttcatatg  | tttaatttta  | gcatttcttc | tatatagtca  | cgattgttgc  | tcaggcgtgg  | 3337380 |
| aactttatgc  | tgctctccca  | gtttcccttc | ttgtttcagc  | cagtcgtgga  | acaagttagg  | 3337440 |
| gcgtgcaacg  | ataatttcca  | gttctctgaa | tgtgatattc  | ttatgtcggt  | tggcctcgta  | 3337500 |
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| gggcatgaca  | ctgaattcta  | tcagccactg | atggcggcat  | ttggcggttg  | catccatgaa  | 3337620 |
| tacaggtgct  | gccgaatact  | ccagtacctg | agctcccgtt  | tcggcacaag  | cacgtgccag  | 3337680 |
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| gatgtatctc  | cacaatccgc  | aggaagtact | gatgaccatt  | gcatagttct  | tgccgatttc  | 3337860 |
| aactccagac  | aaaggaacga  | tggcaggagc | cggattgtct  | atttcttcca  | gcgggataaa  | 3337920 |
| ttcgtagaag  | acatcgtagt  | ctatcatcag | cagcatggca  | ggatcattca  | ggtcactttg  | 3337980 |
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| tatcagttgt  | ttatatgtct  | cgcggtaagg | agtgaacat   | acacctccgt  | ggaagaatac  | 3338100 |
| ttccagatta  | ggccatactt  | cattcagatg | tttggcacct  | gttttttcca  | atatacgttt  | 3338160 |
| gatgacggca  | agcatccacg  | atggtactcc | cgaaggttg   | gtcacgtttt  | cgtgaatagt  | 3338220 |

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| gcctaccaga | ctgtctttca | ggttgtagtt  | ggggctatgg  | cttccgcca   | gtatcagtc   | 3338400 |
| cttacccgaa | aagaatttac | tttgaggatt  | agaacggaga  | tagagagcta  | ccgcatcggt  | 3338460 |
| tccgccttga | taatgaatat | gatgcaatcc  | atctttgctc  | accgggatga  | atttgctttt  | 3338520 |
| atcgttggtt | gttcccgcg  | atttggcgta  | ccacactact  | tgtccggggc  | ataaaatatt  | 3338580 |
| cttttctccg | tggcgcatac | ggtccacgta  | acctttttata | tcgtcgtatt  | gttggatagg  | 3338640 |
| aacatgcttg | aaatcatcgt | atgtgcgtat  | attggcataa  | ttgtattttg  | ttccccattc  | 3338700 |
| cgtacgacg  | gcggtttgta | taagtttccg  | gaacacttgt  | tcctggatag  | cctctgcttg  | 3338760 |
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| tgaaccatt  | tactttttcc | tttttcttaa  | tctattctta  | catgcaaagt  | taggtgattt  | 3338880 |
| cttcttcaat | gaaatatttt | tccttagaga  | aagcaciaat  | ctacactttt  | ttctttataac | 3338940 |
| tttaccacaa | gtagtgaaaa | tttaaagggt  | atgcgaattg  | gaatcttaac  | atctggagggt | 3339000 |
| gattgcccg  | gtataaacgc | aactatcaga  | ggtgtttgta  | aaacggcaat  | cagtcattat  | 3339060 |
| ggaatggaag | tctatggaat | acacagtgg   | tttcgtgggt  | tacttgacga  | tgatgtcgtt  | 3339120 |
| ccattggatg | aaaactctct | cacaggtctg  | ttgagtatgg  | gaggaaactat | tttgggtaca  | 3339180 |
| tctcgtgaaa | agccttttaa | aagtagggcg  | aattcacctg  | tatccgagga  | taagcctgcc  | 3339240 |
| atgatgttga | aaactattcg | tgaccgtcgg  | ctggattgcg  | tgggtgtgat  | aggtggaaac  | 3339300 |
| ggtacacaaa | aaacggcggc | aaaactggcg  | gcgacaggag  | taaatgtggt  | gacagttccc  | 3339360 |
| aaaaccatcg | ataacgacgt | atgggggacc  | gatatttctt  | tcggtttcga  | ttctgctgta  | 3339420 |
| agcatcgcta | ctgatcgcat | agatcgtctg  | cattctacgg  | caagtgccca  | tcagcgcgta  | 3339480 |
| atggttatcg | aggttatggg | acacaaagcc  | ggttggtattg | cgttggtattc | cggcatggca  | 3339540 |
| ggcgttgccg | atattattct | gttgcccga   | ataccttttg  | atattcatcg  | tattggtgat  | 3339600 |
| gcaattatca | atcgtctgaa | aaaaggaaaa  | ccttattcca  | ttgtggtggt  | agcagaagggt | 3339660 |
| attcctactt | tgggaggaaa | gaaagctgca  | caatatattg  | ccgaggaaat  | agaatacgaa  | 3339720 |
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| gaagtagctg | gtaaattgaa | attagtcaca  | gctgatcatg  | atttggttgt  | acaaggacgt  | 3339960 |
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| aaaagcgtct | gtgtgagggc | tctatagaat  | ttgttataaa  | cttgactggt  | aggtcatggt  | 3340080 |
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| acaacaagta | gagccgcaag | ttctttttcc  | ttatcctgaa  | attcccgcga  | tgctgatacg  | 3340440 |
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| tacactattg | ataaataaca | aagatgtgac  | agaacaagg   | gtagctgatt  | atcttgctat  | 3340560 |
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| tagattggag | caacaagctc | atgcgcgaaa  | agtattgtta  | cagataatgg  | aaaattat    | 3340680 |
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| tgaccctgaa | tgttcaagtt | gcatgaagt   | catgcaggaa  | atggtacgtg  | ataatttggt  | 3340980 |
| gaagcaagct | gttgaaactg | ggtatcttac  | tgtcttggcg  | atatacacag  | aaggaaattt  | 3341040 |
| ggaagtgtgg | aaacacactc | ttgacaaact  | gcctgaagag  | tggattgttg  | gttgtgatcg  | 3341100 |

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| tggtctatca  | tcttcatatg  | ccatttttta | ttgtcatttt  | tccatgtatt  | ctcacataat | 3341220 |
| tctatccgtc  | aggacatgac  | acttctgaag | aagccagatg  | acctcttccg  | attccgtcag | 3341280 |
| taaaaatcata | tcatgccgct  | ttaaccgtcc | tgttcctgat  | cttgtcaatc  | atcagtacgg | 3341340 |
| catttgccgt  | atgtattccg  | aagaaaatcc | acaggatttc  | cgtcttcctg  | ttccgtgcct | 3341400 |
| ttatcctgga  | gagcgagtaa  | tgctgcttct | gtgtaccgaa  | gcttccttca  | agccgggtgg | 3341460 |
| ccctctcttt  | ggagagttca  | cttctgagaa | ccttcctcaa  | ggattcatcc  | ctggccgccc | 3341520 |
| ttcccttgcg  | tacgaaggaa  | gtggagattc | cgtatttcgt  | gcagaacttt  | ctggtggcgt | 3341580 |
| tattggcata  | tatggaatcg  | gctgctacgc | atcttaccct  | cacgttcatg  | agcttctgct | 3341640 |
| gcagtcggat  | gcagtccttc  | aggcatatcc | cctcggtgaa  | agccttgaac  | gagaggtggt | 3341700 |
| cgatgaacga  | tatgccgtct  | atctgtatgt | tgtttacctt  | cgcaccgaac  | tcaacggatt | 3341760 |
| tcgtttcctt  | gcctctgacg  | atgggatgca | cataatgacg  | gtcaatgctg  | acgatgcgct | 3341820 |
| cactgacttt  | tcgtccttca  | aacatttgct | tttctgttac  | aagaaccttt  | ctgatgatgg | 3341880 |
| aaagccgctt  | ccggtaatcc  | tgagtatacc | ggagtgaggc  | tccatactct  | ttgtgaattc | 3341940 |
| catcccgctg  | catgagaagt  | ttttcaagga | gtctgatcat  | acgtcgcttg  | agcatccttg | 3342000 |
| tccttgatgc  | ctttctcttt  | cttttcttac | agtaggacag  | ataagccttg  | gcaatatcat | 3342060 |
| catatttggt  | gcggggacgt  | cttatgccaa | gttccccgca  | atgcttgacg  | atatgcctgt | 3342120 |
| agagccattc  | gaggctttcc  | caaaggagct | tcatgtctgt  | agggaaacgc  | atatggctct | 3342180 |
| catagcaggt  | ggcatcggtc  | atgcacacgt | gaaggttctc  | aagatacggc  | ttccagtgtg | 3342240 |
| aggccagcac  | ttcctggagg  | gattcaatgt | caagacggga  | tgccatctca  | ttgcggatgg | 3342300 |
| cactgactat  | ctttagttg   | gttatgggga | aggacgggtc  | tatcatgatt  | ccgcagaaca | 3342360 |
| tctgatagtg  | tatgttgctg  | ttcagatgtt | ccaccagctg  | tctgtcggag  | aatccggtgt | 3342420 |
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| gtcgtgttcc  | caacaggccc  | aaggcttttg | ccatacgctc  | aaacggaaac  | accgagtga  | 3342540 |
| gcctgccaaag | ctcactctcg  | ttaaaactct | tgcggtatatt | ttccagaata  | tcaaattctg | 3342600 |
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| tacttccgac  | tttggttttt  | atttactagg | gtattccccg  | gatgaaaagc  | agcttcttca | 3343020 |
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| atgtttactt  | cttctgtcag  | tactacgctt | tctttctgtg  | cggtagctgt  | taccttttct | 3343140 |
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| aattgcggat  | cattctttat  | cttggctaac | gtttcgtgtg  | cagcttccctg | ttgcgattct | 3343260 |
| ttcttggaat  | atcctttacc  | tgtaccagct | gcaatatttt  | ctactgtgac  | ctgtgtttcg | 3343320 |
| aaaatcggat  | tttgagcctc  | gtcgaccgat | tgctctgtca  | agttaaattc  | aatattgaat | 3343380 |
| ttgtttttct  | ggctccattc  | tatcagcttc | gacttgaaat  | tgacctcctt  | acgggaaatc | 3343440 |
| ttttccagat  | tcaggtactg  | gttgattatt | cgttcttcca  | tgaatttctt  | gcaagcgaga | 3343500 |
| tatctcttat  | ccagatatat  | agctccgata | agagcttcga  | aggcgtttcc  | acacatgtaa | 3343560 |
| ctgttggtgtg | aagactgttt  | agtagtatac | tttatcagct  | tatccagtc   | tatctgtacg | 3343620 |
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| gatgatttgt  | gtaacaaagc  | ttgctggtag | atttcgatat  | tcctcggata  | gaacccgagc | 3343860 |
| attttgtaaa  | aacaaagata  | aggctcctta | tccttacgga  | aaagaagtct  | tatcttatct | 3343920 |
| gttatattgc  | taaacacagt  | ttattcagtg | tattttttta  | cgattacaca  | tgcattgtgt | 3343980 |

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| aatgtgaagt | tcaggttata | atcgatttgt | tcatcattat | caccttcttc | gtggttgata  | 3344100 |
| gttgaggta  | caatgtcatt | tttaacagaa | agtacacatg | caatagcttc | tacgccacca  | 3344160 |
| gtagctccca | agaggtgtcc | ggtcattgat | ttggtagaac | tgatattcag | tttgtaagcg  | 3344220 |
| tgctcgccga | acaagtcttt | aattgccttt | acttcagaaa | tatcacctac | cggagtagaa  | 3344280 |
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| gcactctgta | ccgcctcttt | agctgctacg | actgcatatt | gagtataaag | gtccatttta  | 3345000 |
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| tgagtcttga | acttagaagc | gtcgaaatga | gtaataggtc | ctgccccact | tactccatta  | 3345120 |
| agaaggttgt | tccagaattc | aggaacagta | ttacctaccg | gagtgagtg  | accaagacct  | 3345180 |
| gttaccacta | ctctttttta | ttccataaaa | gtagaattaa | attattttgc | gttagcttcg  | 3345240 |
| atgtaagaga | tagcgtcgcc | tacagtctgg | atcttttctg | cctgatcatc | aggaatagag  | 3345300 |
| ataccgaatt | ctttttcgaa | ttccataatc | aattctactg | tatccaaaga | gtcagcaccc  | 3345360 |
| aggctgtag  | tgaagctagc | tgtcggagtt | acttctgatt | cttctacgcc | caatttatca  | 3345420 |
| acgataaatt | tctgtacttt | tgatgcgatt | tcagacataa | ttttcttggt | ttaagtttat  | 3345480 |
| aaatagaata | attttgttta | tatttcggtg | caaaggaata | aatattttct | gttctataca  | 3345540 |
| aatattcagc | caaataaatg | cagtttcttt | gcacaatttt | atatattatg | tgcacaaaaa  | 3345600 |
| agatgaatta | atgaaaaaaa | tagcaatttt | ggcatcgggt | gaaggtacga | atgccgagcg  | 3345660 |
| tattatccgc | tattttaccg | gacatgcgac | gatagaagtg | gccgttgtaa | tagcttcccg  | 3345720 |
| tcctacagct | catgtgatag | agcgtgctca | taccctgaat | gttccgtgtg | aagtaatcat  | 3345780 |
| tccccaagat | tttgcggcag | gcaaaggact | tgaagtgttg | ataagttatg | gtattgattt  | 3345840 |
| tgtggtgctg | gcagggtttc | tgtcgcgtat | tccggatgat | gtgctgcatg | attatgcacg  | 3345900 |
| cagaatagta | aatatacatc | cttctcttct | cccaaagtgt | ggaggcaaag | gcatgtacgg  | 3345960 |
| catgcatgta | catgaagcgg | tgtggcagc  | cggcgagcat | gaaagcggca | ttaccatcca  | 3346020 |
| gtacatcaac | gaacattatg | atgaaggtga | tatcattttt | caggcgaaat | gtcctgtctt  | 3346080 |
| gcctggtgat | acacctgaaa | cccttgaca  | gcgtgtacat | gcattagagt | atacttatta  | 3346140 |
| tcctcaagaa | atagaacgtt | tgctttcact | cctttcgtag | gtgatattca | ctacgcagct  | 3346200 |
| gttcgaaagc | ttctggatga | gcgcgcaatg | cctcacagtc | tatgtgtgga | ttatacatat  | 3346260 |
| gtaactggcg | gatattctcg | tccctgtcgt | agggtaaatg | cggttcttcg | gaaggaacga  | 3346320 |
| tagagaaatt | catttctttc | ctgaagaaac | gacaaaagga | ttccagtacc | atgcgggtag  | 3346380 |
| cattggcttt | cccgtctgcc | gagtatccgg | caatgtgcgg | agtgccgata | aataccttgt  | 3346440 |
| ttaatagctc | aagattaatg | ttcggctcgt | tttcccagac | atcaagtagc | gccccgata   | 3346500 |
| tttttccggc | agacaaagca | ttcagaatgg | atgaagtttc | gatgacttct | ccgcgggacg  | 3346560 |
| tattaataat | gtaggggttg | ttttccaaca | gacggaagaa | accctcgtcg | gcgagatgga  | 3346620 |
| aagtcggata | cttcccttct | cgttccagtg | gggtatggaa | actgataata | tcacattcgt  | 3346680 |
| gtgccagtg  | acgtaagtcg | acaaatcctt | tttctccgcg | gtcggcacgg | ggaggatcat  | 3346740 |
| ttaataaaac | acgcatacct | aagcgttccg | ccagttgacc | gatgcgactt | cctacatgtc  | 3346800 |
| ctactccgac | aatacccaag | caggcacctt | tcagtgcgat | acctttttcc | tgttgtagca  | 3346860 |

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| tccacgtaat  | acccgcttcg  | tgacaataag  | ccgtatcgat  | atgatcgaat  | ccaatggtag  | 3346980 |
| ctgttccgat  | gaactttact  | ttacttcctg  | ccagtaagtt  | acggtcgcaa  | cgggtacgtg  | 3347040 |
| tacgagtaat  | cagcgcacgc  | gcattcttta  | caatttcggg  | agtaaagtcc  | tttcctggca  | 3347100 |
| gatagaccac  | ttcatcggca  | agcgattcga  | tagcttcctt  | tatataagga  | atttttattgt | 3347160 |
| caacgataac  | tttcatgtct  | gtttttctaa  | aatcgtgcaa  | aggtagtatt  | tttttagattt | 3347220 |
| ataattggat  | gaaatgaaat  | ctttatgtag  | atttgaaaaa  | tgtaggtatt  | ttgttacctt  | 3347280 |
| tgtacgctaa  | taatgatgtt  | tatatgaaat  | gtttgcatat  | cataactcca  | gtaaaagatt  | 3347340 |
| cgattgattt  | cactctcgaa  | acagttcgtg  | ccatttttagc | ctccgacatt  | aaagttcctt  | 3347400 |
| ttacctatac  | ggtatacaat  | gatttcagta  | cagaagaaaa  | taccaaactgc | ctggaggaag  | 3347460 |
| cctctaaaga  | attgaatttt  | cgtctgggtga | acttatccga  | cattactacc  | catccttctc  | 3347520 |
| cgaactacct  | gctggtactt  | caacgctcac  | agcaagaggc  | tattgccgct  | gatgcgggat  | 3347580 |
| tactcattgt  | cgagtcggat  | gtggttgctc  | aaaagaatac  | gttacaggat  | ttgtacgatg  | 3347640 |
| gagcagctgc  | acgtagtggg  | tgcgccattg  | cagcagctgt  | aactgtagac  | gagaatggag  | 3347700 |
| ttatcaatta  | tccataacctg | catgccaaag  | gcaatgaagg  | caaggtgtat  | ccggaagaaga | 3347760 |
| agcattgcag  | cttctgctgt  | tcactgctta  | cgccggagtt  | ccttcgtgct  | ttcgacttcc  | 3347820 |
| gtcagcttga  | tccgacaaag  | aactggtttg  | atgtaacat   | ttcacatgaa  | gccctgaaac  | 3347880 |
| aagggtttca  | gaactacctg  | tttaccaccc  | ttcctgtctg  | gcaccgtccg  | cacggaagcc  | 3347940 |
| gtccgtggaa  | acagttgaaa  | tataaaaacc  | ccttgaaata  | ttattgggtg  | aaatatacga  | 3348000 |
| aaggactcga  | taagatttaa  | tgattgcaga  | tatggataaa  | actccttttg  | tttcggtggt  | 3348060 |
| agtgcctgta  | tataatatgg  | agtcttttct  | gccggaacaa  | ctcgattcta  | tattggcgctc | 3348120 |
| tgattatccg  | aactttgaag  | tagtagtggt  | agacgacggt  | tcgaaagacg  | cttcgtatcg  | 3348180 |
| tgctcgcatgc | gactatgcaa  | agaaagatcg  | gcgtgtacgt  | gcctataccc  | aacctaacgg  | 3348240 |
| gggagcttgt  | gcagccagaa  | atcaggctgt  | ccgtctggca  | gaagggtgagt | ttatactacc  | 3348300 |
| ttttgatgct  | gatgacaaga  | tgagcgaaac  | ctttgtgtct  | gatgcagtag  | atgtgatatt  | 3348360 |
| atctgacatg  | aaaataaaaag | cagtatgtcc  | tcgtgctgaa  | tatttcggtg  | accgtaaagg  | 3348420 |
| tgaatggaaa  | ttacctcctt  | tttcgcgtaa  | gttgctggca  | cggagaataa  | tgattcctat  | 3348480 |
| ttgtgctttg  | tatcggaagt  | cagattggga  | acgggtgggc  | ggttatgatg  | agcatattgt  | 3348540 |
| tgcaagagaa  | gattgggcct  | tttgattgct  | tatgttaaaa  | gatggcgga   | agggttgaac  | 3348600 |
| cttgccctcga | gtgtcgggtat | tttatcgggt  | gcgaacaggt  | tctaaacgtg  | tgtccgatcg  | 3348660 |
| cagtttaaaag | aaaaatttaa  | ttgacgcttt  | aaatgcacgt  | catccggagt  | tctttgaacg  | 3348720 |
| tgagctggga  | gggcccacttc | actattgccg  | ttcgtggtct  | gtactgctga  | accgtatcta  | 3348780 |
| tcgtttgttt  | catccccgaa  | aaatatatgt  | agcatccgat  | ttttgtacat  | taaccgatta  | 3348840 |
| tgtaaaaagcg | ctacctgctt  | tgtttaataa  | tgactatggt  | actgtaattt  | ataaaggacg  | 3348900 |
| aaacgtactg  | cgtgaaatgg  | actggcacgg  | tacgaaagtt  | gtcgtaaaaa  | cattccgtgt  | 3348960 |
| tccaatctg   | atcaaccgta  | ttgcatacgg  | tgtattccgt  | tcgtcaaaaag | cacaacgttc  | 3349020 |
| gtttgaatac  | gccgaaatgc  | ttcgtcggga  | aggaatcggga | agtcctgctc  | ccgtagccta  | 3349080 |
| ttataccgaa  | cgcaacggct  | tgctttttac  | ccacagctat  | tatgcctgtc  | tgaagtcgga  | 3349140 |
| atgtccgtac  | tcgtacgtaa  | acttgatgcg  | aggcgatttc  | cccggtcagg  | aagaaaatttt | 3349200 |
| gcgagccatt  | gcccgcacaa  | cagcagcact  | ccacgaaaaa  | ggctattttgc | ataaagacta  | 3349260 |
| ttcacgcggg  | aatatcctgt  | tccgtcgcac  | tgacaaaggt  | gtagaggtag  | aaataataga  | 3349320 |
| cttgaaccgt  | atccgtttcc  | gcacggttga  | tatggaagaa  | ggttgccgca  | actttgaacg  | 3349380 |
| ccttccggga  | acaccggaaa  | tgtttgccat  | tcttgccgat  | gaatatgcca  | aggcaagagg  | 3349440 |
| tttcgatgcc  | aacgaatgtt  | tgaaactaat  | tttgaagtat  | aacaacgccc  | acatatgaga  | 3349500 |
| ctaataaaaa  | tgacagggtg  | cttaggcaac  | cagatgttta  | tatacgctt   | ctatctgaaa  | 3349560 |
| atgaagaaac  | tttttcctca  | tacaaagata  | gatttatcgg  | atatgatgca  | ctaccatgta  | 3349620 |
| catcacggat  | acgaaatgaa  | ccgggtat    | gctttacctc  | atacagagtt  | ctgtataaat  | 3349680 |
| cgtacactta  | agaaacttat  | ggaattctta  | ttgtgtaagg  | ttgtttatga  | gaggaaacag  | 3349740 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| aaaaacggct  | ccatggaagc  | ttttgagaaa  | aaatatgctt | ggccgttgat  | ctatttcaaa  | 3349800 |
| ggattttatc  | agtcggagcg  | tttctttgct  | gacattgaag | atgatgttag  | aaagactttc  | 3349860 |
| tgttttaata  | tggaattgat  | aaatagccgg  | agtcgtgaaa | tgatgaaaat  | aatagatgcc  | 3349920 |
| gatgagcatg  | ctgtatcaat  | acacattcgt  | cgcggtgatt | atttacttcc  | aaaattctgg  | 3349980 |
| gccaatgctg  | gatgtgtctg  | tcagttgccc  | tattataaaa | atgctataac  | cgaattgaaa  | 3350040 |
| aaacatgagt  | cgactccttc  | tttttatgtt  | ttttctgatg | atatagaatg  | ggtgaagcag  | 3350100 |
| aatttatctt  | tacctaatac  | tcattacata  | gattggaatc | aaggaaatga  | cagttggcag  | 3350160 |
| gatatgatgc  | tgatgagtca  | ttgtcgaaac  | catattatct | gtaatagtac  | tttcagttgg  | 3350220 |
| tggggagcat  | ggttgaatcc  | gagaaagaat  | aaaactgtta | ttgtcccttc  | tcgttggttt  | 3350280 |
| atgaaagaag  | aaactcctta  | tatttatcca  | gtaagttgga | taaaagtacc  | tataaactaa  | 3350340 |
| actgccatga  | gtatcatttt  | ttcgtaata   | aagaaagtaa | cctatgcttt  | gtgcgaaagt  | 3350400 |
| ttgttttgct  | ggggtcgggc  | ttctaaccct  | attctttata | tgacactgct  | ggtgaagaac  | 3350460 |
| gaggaagaat  | tgctggaaca  | aaatctgata  | tttcataaac | agatgggggt  | agatggattt  | 3350520 |
| attgtaactg  | ataataattc  | aaccgatcgt  | actcctgaca | ttcttcgtaa  | atataaagaa  | 3350580 |
| ttgggatgga  | taaaagaaat  | tattcaggag  | ccggcgaccg | actatcgcca  | gaaaaaatgg  | 3350640 |
| gtggatcgta  | tggtttggtg  | tgctaaaaca  | gtttttcatg | ccgactgggt  | tatcaatgcc  | 3350700 |
| gatgccgacg  | agttttggtg  | tgctccttcg  | ggtaatttga | aaagtggact  | gaaacatggt  | 3350760 |
| tctgataatg  | tgataaagtg  | tgccatacgg  | aatatgtatc | ctgaggaagg  | taagtcgttt  | 3350820 |
| cgtgaatgga  | aatatgttgt  | agaccctgta  | acaaatacgg | ataagtatga  | tctttccctt  | 3350880 |
| tattcacttt  | ttggcagaca  | gatacccaag  | gtaatgcac  | gtaccggggg  | atacattcag  | 3350940 |
| atttcgatgg  | gaaaccataa  | agtggccatg  | ttccccaagc | gttctggcaa  | gagtgatatt  | 3351000 |
| cgtatttatc  | attacaatat  | ccgaggtcgc  | cagcagtttt | tggagaaaat  | gataaatggt  | 3351060 |
| ggaaaacagt  | tggaacagaa  | tcccagcaag  | catggcgggc | gtcactggcg  | ttattttctat | 3351120 |
| ggcttgtata  | aagaaggaaa  | attgaacgag  | gaatacgacc | gtgtgatagg  | aagccggggt  | 3351180 |
| ttcgaccgtt  | tgcaaggcaga | cggatatata  | catgaagacc | atacaatggc  | tgattttttc  | 3351240 |
| aagaaccaga  | ataaatagaa  | gaaaaagatg  | aagcatgcat | acctgataat  | agctcataat  | 3351300 |
| gagccaaata  | ttctaaaaac  | attattactt  | atgcttgacg | atgagcgtaa  | tgatgtctat  | 3351360 |
| ttgcatgtag  | atgcccgtag  | cgttgaatta  | ttcaatcaat | tcaaagattt  | tcagttgaag  | 3351420 |
| aaaggaaagt  | tgataatctt  | gaaaaatcgt  | atagcggtag | attgggggtga | cctttctcag  | 3351480 |
| gttgaagtag  | aatatcggtt  | gtttgaaact  | gcgttgaaca | atggaccgta  | tgcttattat  | 3351540 |
| cattttattgt | cgggagttga  | tttaccatc   | aagacgcaag | attatatcca  | tgagtttttc  | 3351600 |
| caaaaacatg  | caggcaaaga  | atttatcgga  | ttctggaacg | aaccaagcca  | tcgtaaagat  | 3351660 |
| gtataccgta  | aagtttatcg  | atattattta  | tttaccatc  | attttaaaga  | aggttcttct  | 3351720 |
| tttgtagatg  | gtataacggc  | ttttaccggt  | aatttttttt | tgggcattca  | aaagctgact  | 3351780 |
| aaatttaaac  | ggaaacacga  | ttgggataat  | ttttacaaag | gttttacctg  | ggttagtatc  | 3351840 |
| actaatgatt  | ttgttcatta  | tctggttgat  | aaaaaacg   | atatcatgaa  | aacattcaga  | 3351900 |
| tatacactat  | gtccggatga  | aatcttcatt  | cagactttga | tctggaattc  | tccttttcg   | 3351960 |
| gcgaatatatt | atgatttttc  | ggatgcttcg  | aaaggtagta | tgagagctat  | tgactggcga  | 3352020 |
| cgcggaagtc  | cttatgtttg  | gagattggaa  | gatgttgatg | agttgaagaa  | ttccccttac  | 3352080 |
| ttgtttgccc  | gcaaatcttc  | ttctaagtat  | cctgatatta | tagagcgttt  | gtttactggt  | 3352140 |
| tattccactc  | ttgaacagca  | tgtatgatga  | aagttctata | tgctggttatt | tttatttatg  | 3352200 |
| tatttttgct  | gttgaaacgt  | agatttttgt  | gtttatgaat | gaaaaagctc  | cattgggttag | 3352260 |
| tgttgttggt  | cccaattata  | attacgcacg  | ttattttggt | gcgcgcttgt  | cgtcaatctt  | 3352320 |
| gaatcagact  | tttcaggatt  | ttgaactgat  | acttctggat | gatgcttcta  | cggacaacag  | 3352380 |
| tttagaggta  | cttgacagat  | ataaggacga  | tcctcatggt | tctcactttg  | tcgtcaatga  | 3352440 |
| acaaaacaca  | ggaagtccct  | tcaagcaatg  | gatgaaaggt | attttattgg  | caaaaggtga  | 3352500 |
| atgggtatgg  | atagccgaag  | ccgatgattt  | atgtgaacct | acgttttttg  | aaacttgtgt  | 3352560 |
| aaaagaggtg  | cagaaatacc  | ctaattgtatc | tgtttgcatg | acggcctttc  | gatatataga  | 3352620 |



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| atctgcctgc  | agattttcgg  | gaagagctta  | tgcagagcat  | aacatgtatt | ggaattgttg   | 3352740 |
| cgttgcta    | gccagtgagg  | tggtgtttcg  | ccgttcttat  | gctactaatt | tatccgattc   | 3352800 |
| ttccttttta  | aacatgagat  | acagtgggtga | ctgggtgtttc | tggttccaga | tgctgttgca   | 3352860 |
| gggagatatg  | gtcgagggtt  | acgaatactt  | gaataagttc  | cgtcagcata | ccgcaaaagt   | 3352920 |
| cagtgtagaa  | ggtgtcaagt  | ctggaaatcg  | tattaaagaa  | gatatcgatg | tactttcttt   | 3352980 |
| gatggagagg  | actttccctg  | agataaaaaa  | gtataagcgc  | aggttagccc | atggtatgat   | 3353040 |
| atgccgtaaa  | ataaaaaagc  | tgaacgatgc  | aaagaaaaga  | gttgagctta | gtgagtattt   | 3353100 |
| gagtgaagcgt | ttgggaggaa  | aagcctccga  | tttgagactt  | ttccatctga | ataattattt   | 3353160 |
| aagattcatt  | tgtccgtggc  | tgattacgat  | caagcgtgac  | agactcaaag | tattatgatt   | 3353220 |
| aatagtaagt  | taagatagaa  | ttttgctata  | ttttaagct   | tttttccggg | ctttttcctc   | 3353280 |
| tgtaataacc  | tttggaaatg  | cgtggaaatg  | tctattta    | ttgtagtata | aatagtcttt   | 3353340 |
| tataaaggac  | gaatggaagt  | attttttata  | gtcttttatg  | atagactctc | taatttcttt   | 3353400 |
| attttttata  | tgcttaatta  | ttctagcgtc  | tcttccatgt  | ttttgcatcc | gtttaaagtg   | 3353460 |
| attaatagtc  | ggaattttct  | tttctatata  | tattccaatt  | ttgaatgatt | caataaaaatt  | 3353520 |
| ctgaccattg  | tattttcctt  | tggctgtttg  | cgactgatgc  | tgtctgaaat | aattcaaagt   | 3353580 |
| ttggtaaatc  | tgtataactt  | ttccttgc    | agccatttca  | aaccaaaaca | accagtcccc   | 3353640 |
| acaatagcgg  | aaatctgtcc  | actttttatt  | gtgaatgtta  | agtgcatact | cttttttgaa   | 3353700 |
| taatactcca  | ctggcattag  | gaatatcatt  | tttccaatat  | agaatatatt | cggcaaattt   | 3353760 |
| tttaccatca  | aaacaaatgg  | ctcctgcttt  | gttttcgttt  | ttttccatt  | gatatacttt   | 3353820 |
| ccctttcatg  | atattgtctt  | cagtatcaat  | atatacgcta  | cctgtgttac | aaatagtaac   | 3353880 |
| attgctttcc  | atatttata   | agtgcataca  | tatctctaaa  | aacgtaggct | cacataaatc   | 3353940 |
| gtcggcttcg  | gctatccata  | cccattccacc | ttttgcta    | aaaatacctt | tcatccattg   | 3354000 |
| cttgaaggga  | cttcctgtgt  | tttgttcatt  | tatgacaaat  | tgggaaatat | ggggattatc   | 3354060 |
| tttataattt  | tctaaaactt  | ttacactatc  | atcggtagat  | gcatcatcca | ataaaattat   | 3354120 |
| ttcataatcg  | gtgtagggtt  | gttttaatat  | ggattcaata  | cgtttatcta | aaaaatgggc   | 3354180 |
| gtaattataa  | ttgggtacta  | taatactgat  | tttaggggaa  | ctactattca | ttttcttatt   | 3354240 |
| ttctaattta  | tagcgaaata  | aaagcaaaga  | taatctattt  | ttaagttaaa | tgaaaaatat   | 3354300 |
| tgagtttact  | gcatggctct  | tgtgaaatat  | atacaatact  | tcggtaaat  | tttaccgata   | 3354360 |
| aattaaaatt  | aaacatagaa  | tcggcataat  | ccggttcaaa  | attatattca | agagatcatt   | 3354420 |
| gaaatactgt  | caagaataaa  | tcgtcaagga  | gtaagaaaag  | ggatgaaaaa | gatatgctaa   | 3354480 |
| acagctgaaa  | atcaacagaa  | aaagtatttc  | ataattcact  | gatttttagt | aaattagaag   | 3354540 |
| tacttcacca  | cttttaatta  | tgactaaaga  | atcactcctt  | atgcaatacc | aatccgagtg   | 3354600 |
| cagaaacgct  | ctcgaatcag  | ctgtaaatat  | aagcaaactt  | tttcagaaa  | tattcatgga   | 3354660 |
| tgcaatgaaa  | ttattcatgg  | ctatacctga  | ccgcatcaat  | ttcctacaaa | tgggacggta   | 3354720 |
| tggatgtttc  | tcggaacaga  | cataccgcaa  | caatttttag  | aacgacggct | ttgactgggt   | 3354780 |
| ttccttcaat  | gaagccatca  | tcagggaaca  | ccttaaagggt | ggtcgcaagg | cgatagccgt   | 3354840 |
| tgatccgtct  | ttcattccaa  | aatcaggcag  | caaaacgccg  | tggattgggt | atcttctgggtc | 3354900 |
| cggttgtgcc  | ggtgaatata  | aacgtggact  | ggaaataacc  | ggtattggag | ttatagacgt   | 3354960 |
| tgacaaccat  | gaatgtatga  | ctttgggctc  | tgtacagaca  | cctgacaacg | caacgctgga   | 3355020 |
| aagctgtgag  | aagaatcttg  | ttgactggta  | cagctcttac  | cttatcagca | tacaggaaca   | 3355080 |
| gctgaaacgt  | atcttctggca | cagtcgtgtg  | tgatgcgttc  | ttttcaaagg | caactttcat   | 3355140 |
| caaaccattg  | tacgataacg  | gtttccacgt  | aataagccgt  | ttcaggaatg | atgccgtatt   | 3355200 |
| gttttatccc  | accttagaaa  | ataggacagg  | aaaacgcgga  | cgtccaaaat | tacatgacga   | 3355260 |
| gaaaattgac  | tttgaaaatc  | tggacatcac  | aagatgtacc  | gagtacaaag | tgaacaaggg   | 3355320 |
| taaactttac  | ggactgaaag  | catactccaa  | agcactcaaa  | cgctttgtga | gcctggctgt   | 3355380 |
| atggtacccc  | atggatggaa  | gaacggacaa  | atggcagctg  | tatttctcta | caaacgaaat   | 3355440 |
| acagaacgca  | caggatgtcc  | tggactttta  | cagaacacgt  | ttccaactcg | aattctgctt   | 3355500 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| tcgggatgcc  | aagcaacatg  | ccggaatagc | aaactgtcag  | tctacagact  | tcaggaaact  | 3355560 |
| ggcattccac  | tttaatgcat  | cacttgcagc | gataaacctc  | gccaaggctg  | cctgtaagaa  | 3355620 |
| gatgggaata  | aaatattcca  | tatcatcatg | caagtcagtc  | atacacaatg  | cttacatgct  | 3355680 |
| tgaacgattt  | atttgcgtgt  | ctgggattga | accaaacacg  | caattaattg  | acaaactttt  | 3355740 |
| caaagaactc  | attttattta  | ctgccagagc | cgcttaggct  | gggctaattt  | ttaacgaact  | 3355800 |
| attgatatat  | aaagactgat  | atttaatttt | atgggaaaaa  | ttatatcggt  | tattttacct  | 3355860 |
| tgttttaact  | acttatgaac  | tttcctattt | attgttgtaa  | atgatggctc  | ttttgtttat  | 3355920 |
| acaggatagg  | tttattttca  | gaagacaata | cttcggtaaa  | ttttaccga   | taaattaaaa  | 3355980 |
| ttaaacatag  | aatcggcata  | atccggttca | aaattatatt  | caagagatca  | ttgaaatact  | 3356040 |
| gtcaagaata  | aatcgtcaag  | gagtaagaaa | agggatgaaa  | aagatatgct  | aaacagctga  | 3356100 |
| aaatcaacag  | aaaaagtatt  | tcataattca | ctgattttta  | gtaaattaga  | agtacttcac  | 3356160 |
| cacttttaat  | tatgactaaa  | gaatcactcc | ttatgcaata  | ccaatccgag  | tgcagaaacg  | 3356220 |
| ctctcgaatc  | agctgtaaat  | ataagcaa   | cttttcagaa  | agtattcatg  | gatgcaatga  | 3356280 |
| aattattcat  | ggctatacct  | gaccgcatca | atttcctaca  | aatgggacgg  | tatggatggt  | 3356340 |
| tctcggaa    | gacataccgc  | aacaattttg | agaacgacgg  | ctttgactgg  | ttttccttca  | 3356400 |
| atgaagccat  | catcagggaa  | caccttaaa  | gtggtcgcaa  | ggcgatagcc  | gttgatccgt  | 3356460 |
| ctttcattcc  | aaaatcaggc  | agcaaaacgc | cgtaggattg  | ctatttctgg  | tccggttggt  | 3356520 |
| ccggtgaata  | caaacgtgga  | ctggaaataa | ccggtattgg  | agttatagac  | gttgacaacc  | 3356580 |
| atgaatgtat  | gactttgggc  | tctgtacaga | cacctgacaa  | cgcaacgctg  | gaaagctgtg  | 3356640 |
| agaagaatct  | tgttgactgg  | tacagctctt | accttatcag  | catacaggaa  | cagctgaaac  | 3356700 |
| gtatttctgg  | cacagtcgtg  | tgtgatgcgt | tcttttcaaa  | ggcaactttc  | atcaaaccat  | 3356760 |
| tgtacgataa  | cggtttccac  | gtaataagcc | gtttcaggaa  | tgatgccgta  | ttgttttatc  | 3356820 |
| ccaccttaga  | aaataggaca  | ggaaaacgcg | gacgtccaaa  | attacatgac  | gagaaaaattg | 3356880 |
| actttgaaaa  | tctggacatc  | acaagatgta | ccgagtacaa  | agtgaacaag  | ggtaaacttt  | 3356940 |
| acggactgaa  | agcatactcc  | aaagcactca | aacgctttgt  | gagcctggct  | gtatggtacc  | 3357000 |
| ccatggatgg  | aagaacggac  | aaatggcagc | tgtatttctc  | tacaaacgaa  | atacagaacg  | 3357060 |
| cacaggatgt  | cctggacttt  | tacagaacac | gtttccaact  | cgaattctgc  | tttcgggatg  | 3357120 |
| ccaagcaaca  | tgccggaata  | gcaaactgtc | agtctacaga  | cttcaggaaa  | ctggcatttc  | 3357180 |
| actttaatgc  | atcacttgca  | gcgataaacc | tcgccaaggc  | tgccctgtaag | aagatgggaa  | 3357240 |
| taaaaatattc | catatcatca  | tgcaagtcag | tcatacacia  | tgcttacatg  | cttgaacgat  | 3357300 |
| ttattttgcgt | gtctgggatt  | gaaccaaaca | cgcaattaat  | tgacaaaactt | ttcaaagaac  | 3357360 |
| tcattttatt  | tactgccaga  | gccgcttagg | ctgggcta    | ttttaacgaa  | ctattgagaa  | 3357420 |
| gaagaacgta  | tattaaattg  | atttgaagaa | aatatacggt  | tgttttagctt | caagggatca  | 3357480 |
| tccattcttt  | cttctattga  | gtatgtttat | cgtgaaaaat  | atatttttca  | gaactaaaat  | 3357540 |
| aatcattaat  | tttattttat  | tttacaagcc | catttttacgg | atgatattga  | tattgattac  | 3357600 |
| aagtaatagt  | gcctttttat  | ggaacttgaa | attataagaa  | tagagatcta  | acttaataga  | 3357660 |
| tgagggtgctt | ttatgttgta  | gctttattat | gttatgatgt  | aatgtcggga  | aacctgaagt  | 3357720 |
| tatttgga    | gtttattaat  | caaaatgtat | tgagatgtag  | tctttgttat  | aaatacaaat  | 3357780 |
| acttcttgta  | tttatgaaaa  | ttcatagttc | aattgcatta  | agctgccttt  | agttgttctt  | 3357840 |
| tatgaacact  | ataatggggg  | aataaaat   | ttaattacta  | tttatggaag  | aaatgatatc  | 3357900 |
| tataatatta  | ccttggtata  | atcaggggat | atatttagga  | gaagcattag  | aatcaattat  | 3357960 |
| taaacagact  | tacagaaatt  | gggagggcat | cattgtaaat  | gatggctctt  | ctgattgtac  | 3358020 |
| ggaagaggta  | gctttagaat  | atgtagcaaa | agatagtcgt  | attcattatt  | ttgcccaaga  | 3358080 |
| gaataaaagga | gtatcagctg  | cacgtaattt | aggaattgaa  | aaggcttttag | gaaaatttgt  | 3358140 |
| tttgcccttg  | gatccagatg  | atatgatagc | accactttt   | atagaaaaat  | gcatgagaat  | 3358200 |
| gtttaaagaa  | cataatgatt  | gtattctggc | ttatacgaaa  | acatcctttt  | gtggtgttag  | 3358260 |
| gaatgggtat  | tggaaacttac | ctgtatacga | tgattataaa  | aaactccttc  | tcagaaattg  | 3358320 |
| cattgtatgt  | acatctgtgt  | ttaagcgtga | agattgttta  | agagttggag  | ggtatgacga  | 3358380 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aaatatgcat  | attggattgg  | aagattggga  | atatttatatt | cgattactac  | aaacagacaa  | 3358440 |
| gaagggtgat  | caagtacctg  | aatcattatt  | tatatataga  | ataaaagagg  | agtcaaggag  | 3358500 |
| tactcaatgc  | caaaaagaag  | agaactggac  | taaagttctg  | atatatatat  | ataagaaaca  | 3358560 |
| cattgatact  | tatatccatt  | attatggttc  | tccttttagaa | atatttgata  | aaatgtacta  | 3358620 |
| ttataaagga  | aaatatgaga  | aatattataa  | tacatgggat  | cgtagatttt  | ggcataaaat  | 3358680 |
| aaggcctaga  | agtaaaagaa  | gaagatagaa  | aactgtagta  | gcttttcaat  | taattattgc  | 3358740 |
| tttccgataa  | aggtgtatat  | tcttcatatg  | taactcataa  | aatgaatcat  | tagtgtccaa  | 3358800 |
| taaaaatgga  | ctagttaaaa  | aattaatcaa  | atagtccttc  | aaaaagggga  | taatcgagtt  | 3358860 |
| ctttgacatc  | gttgaaatca  | gtcttatcga  | acagttcacg  | caagttagtt  | ttgtccgtta  | 3358920 |
| gagagatgct  | tagaatctgc  | aaaacttcat  | aagttgagcg  | cttcaattgc  | atatcgtggt  | 3358980 |
| ggacaatagc  | cactagacag  | taagtgatga  | ttgctacact  | gatttgaatg  | cggacagcat  | 3359040 |
| tttccgttgt  | gccccagaat  | ctttttattt  | taagggtgctg | cttgagccat  | ttgaagaata  | 3359100 |
| gctcgaccaa  | ccatcttttc  | ttgtagagat  | tagcaacgctc | caatgcagaa  | atatgtgttg  | 3359160 |
| cgtttgtcag  | gaaagtgaac  | tcacggtcac  | cctcttcac   | atagtaacga  | atgagtcgga  | 3359220 |
| atgactcggg  | atatttcttc  | tctgagaggt  | atccggtcag  | tttcacttca  | gcactctgtaa | 3359280 |
| gtacatactt  | aggcatccta  | cgcttccatt  | taaccattgt  | gtatttcaag  | ttcgtcttag  | 3359340 |
| ctctgacaac  | gaaaaagga   | cctgtcaggt  | gtatcctata  | tagttcctta  | aaagagtcac  | 3359400 |
| aagccctgtc  | gaatatataa  | taagcatttg  | gttcataatg  | gattgaacac  | atcgctgtag  | 3359460 |
| agtcgtgctt  | cgatgctgtg  | gttacagtat  | agaaggcagg  | aacttgtgct  | tcaatgtcat  | 3359520 |
| ataagacatg  | agctttgaca  | cctcctttct  | ttcttcggaa  | cttcgcccac  | ggaaatgtgg  | 3359580 |
| ctagacataa  | cggaatagtt  | gttgaatcaa  | aagcatactt  | attccctgga  | atatccaaga  | 3359640 |
| tgttggtcgc  | tcgcttttca  | caagcttcct  | tcattatata  | gaatgcgaag  | tcttcaaaga  | 3359700 |
| ttctgtagtc  | acgattctga  | ttagcataag  | cgagggtggc  | tttggctatt  | ggattgcgctc | 3359760 |
| ccagaccaag  | atgatattgc  | ttggcttgat  | gcgcttcaaa  | agctacaatt  | aagtcgcgaa  | 3359820 |
| gactctcacg  | attgctcagt  | tgtccgaaca  | tcataagcaag | taactgattc  | cagcagggtga | 3359880 |
| attgtttcac  | gtagcgatta  | ccattatact  | tgcaacaaaa  | gttattgaat  | tgtgttctgt  | 3359940 |
| tcataaaagc  | ggtaagttag  | gcgaatacgt  | atattatcttg | gttcataagc  | ggcattcaat  | 3360000 |
| ttgaccgcta  | agctacgaat  | tcaaaccgt   | ttcattctaa  | aatactgctt  | aaaagactgt  | 3360060 |
| atttcaacaa  | tttcaaaggc  | ccattaacca  | acttttattg  | gacagtagtg  | aaaatgaatg  | 3360120 |
| tttaggaaaag | tgagaaatta  | tatttgttaa  | tctgtattct  | gatagaaaaat | caaaatgtaa  | 3360180 |
| ctatttgata  | gtaagtaatg  | tcattctttca | gctcccataa  | taatcttttc  | ttgggtcagta | 3360240 |
| cgattttatc  | gaaaggcaat  | atggttaaaa  | gagttgcagg  | tactaattga  | agaaaaattg  | 3360300 |
| aaaattataa  | gaaacctgca  | acaacttttt  | agtattatat  | atagattatt  | tattctgaaa  | 3360360 |
| aaaacaatga  | aaatgtttat  | tgagaaattt  | acctacttta  | tctacatcgt  | tggtatggggc | 3360420 |
| attgctgggt  | ggtattctcc  | agtttttacc  | ataccaaaat  | tctagtaatt  | gtagtgtatg  | 3360480 |
| attaggtata  | gtaaatgttt  | cccctaaaaa  | ctccatcgtt  | tttaggttct  | tgaaaaattt  | 3360540 |
| tctaggtatc  | accttgatata | agtagcgtac  | ataaaaaggg  | ttcattatcc  | cctttaattc  | 3360600 |
| attaacaatg  | tacacatcta  | tgtagactcc  | atctctaattg | aaggaataaa  | tacctgttgg  | 3360660 |
| ctcatagcga  | cataatttta  | agccctcacg  | atctaacata  | ggtatcgctt  | ctatgagctt  | 3360720 |
| ttgctcatcc  | aatacacacg  | tgtcaatatc  | tatgtcatgt  | ccgataaaac  | ctttttcacg  | 3360780 |
| aattgctcct  | aacaagggtgc | catgcatgat  | gcagaataca  | atgttctcat  | tatccattat  | 3360840 |
| tctcttgaaa  | tctaatagat  | ttttttttgc  | aactgttgca  | tcaattacat  | gagaattttc  | 3360900 |
| ataagttaat  | tcgatatctt  | ggaagtggaa  | aggttttctt  | ttaatgttta  | ttattcccat  | 3360960 |
| cgtttatggg  | attaattggg  | taaattctat  | aaattgattt  | agaatctttt  | atgaatagtt  | 3361020 |
| cctgtactct  | tatgatgctt  | aaaacctctt  | cctttgtcaa  | tttgaaagaa  | gttttattat  | 3361080 |
| gattcatgat  | acaagaaaca  | aattctttta  | tctcatatct  | aagtccttct  | ccctcataag  | 3361140 |
| gataaaaaata | ctttctattt  | ttgtttaaat  | cttcataaccg | tgcttcaaaa  | aattctgttt  | 3361200 |
| tccaccaagg  | cgctgggatg  | taaatatatc  | ctttgggtacc | agcaataacc  | atgctccctt  | 3361260 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| ctgatttaac  | tcctaatacca | acttgaaatg | aagcaatact | ttggggatag  | cgtatgatgc  | 3361320 |
| athtagtata  | gatatctaca  | ttatTTTTga | aacgagaata | aaaattaatg  | tcaacataat  | 3361380 |
| tcacccttaa  | caattttaaaa | ataggcaata | atgggaaaca | tgcattttcg  | ttcatgctgc  | 3361440 |
| cgctgcttg   | ctcaaaatct  | aatttaggtg | atTTTTcatc | tgtaaagagtc | gtgatggaag  | 3361500 |
| catctacgga  | aacaatgtcc  | ccaattatgt | ctgactttta | aagagagatt  | aagtgggttaa | 3361560 |
| aggctgggta  | aaaagccgtt  | tttagtgcca | tcattaatcg | taaattcttg  | ttattcgcta  | 3361620 |
| aatcatatag  | ctctatagct  | tccttttcag | acaaaacaaa | aggagtttca  | catagcacat  | 3361680 |
| gcttccctga  | ttctatagca  | tattttgtat | aaaaataatg | tgttaaaggt  | ggagatgcta  | 3361740 |
| tatatatggc  | atcaactttt  | gatactaatt | cgcttaagga | ggatgaagcc  | tctgttattt  | 3361800 |
| ttaattcatt  | acaaaatgat  | ttgcaatctt | ctaaattggg | attatatgct  | gtatgaatac  | 3361860 |
| ggacattcgt  | gataaatttt  | gcttcgttaa | cgaaacgctt | tgcaatatta  | cctgtgccta  | 3361920 |
| ttatacctat  | tcggataata  | tccctctgtt | tttcacgtaa | cgttgtactg  | gatattcctt  | 3361980 |
| cagttctagg  | taaataaaca  | acttcacaat | attcttttaa | ataatcaa    | tttcttccc   | 3362040 |
| agtcggaacc  | tatggcaaaa  | atatctacgt | tatatTTTaa | tatatcatct  | atTTTTtgcc  | 3362100 |
| caatgtattc  | ttcaataatt  | atTTgtcg   | ccaacccgt  | ttgttttatg  | gcttctatgc  | 3362160 |
| gctctatgac  | attgttacaa  | acatttaatt | tgctcttcc  | taagtcaaag  | ttgtcggtcg  | 3362220 |
| tgactccaac  | aataagataa  | tctcctaatt | ctttagcacg | tttgagcaaa  | ttcaaagtc   | 3362280 |
| cttgatgaaa  | taaatcgtat  | gttccgtatg | tgattacttt | tttcatttgc  | tatgctcaat  | 3362340 |
| ctgatggata  | tataaagcta  | attcatctaa | atcataaaat | gattgtattc  | ccatatgaga  | 3362400 |
| aactctaaag  | aagttttctt  | ctccacttgg | cataataaaa | atatttatatt | tctcaattaa  | 3362460 |
| gtcacgaatg  | atTTtagttc  | cattatgaga | aacataaaaa | cctgttatgg  | ctgaggatgg  | 3362520 |
| tacttctgct  | agaattttcc  | aatcatattt | tttacaaggt | tttctaaagt  | atgaagctcg  | 3362580 |
| actttgtaca  | tcggaaatca  | cattctcgag | tccataatct | aaaatttgat  | gaatacgttt  | 3362640 |
| attcagctga  | agatagatgg  | tggtagctgg | actaaaaggg | gtctgacctc  | tttccatgtt  | 3362700 |
| ttttaaattg  | ttttcgaatt  | caaaataata | ccctttttta | gcaaattgat  | attcttttaa  | 3362760 |
| agaagaagac  | aagaatatga  | tagatagctc | gggaggtata | ttcagccctt  | tttgagaact  | 3362820 |
| ggtcaagcag  | atgtcaattt  | tcaatttatc | catattcagt | ggttctgcta  | aaaaagagct  | 3362880 |
| aatagcgtcg  | acaactaatg  | aaatattgta | tttctgacag | attcttgata  | tcttttctat  | 3362940 |
| atcgaaaagt  | gctccgcttg  | aggtttcatg | atgctgacat | aaaaaaacat  | ctgggtctttc | 3363000 |
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| aagagtataa  | ttacaattat  | aataagcaca | tagttctgcc | cagcggtatc  | caaaagtgcc  | 3363120 |
| tcctgcaacg  | acaaatgctt  | tttgctttgt | tgttacatag | ttttcaacaa  | cagctgccat  | 3363180 |
| tgctccagtt  | ccagacgctg  | tataaataat | ggttttacct | tctttacagc  | cgattagttc  | 3363240 |
| cagtaaaatt  | ttctcggaat  | ctttgttaat | tgctgaaaat | tcggcagttc  | tcatgtaagg  | 3363300 |
| gatttgaaga  | gaacctaat   | gtaaaatttc | ttgatttata | ttgccgggga  | aagcatatga  | 3363360 |
| tttcataggg  | cttagctttt  | atTTgtaagc | aaaggtatta | aataatctcg  | aatggacaat  | 3363420 |
| tattttattc  | tgcatcaggt  | aattttattt | gttttatttg | ttatattaga  | actcttttta  | 3363480 |
| tttgacttaa  | gttaaaagca  | taaatttatg | gtaccagtat | tatccatcat  | tactattaat  | 3363540 |
| tataacaatc  | ggtagggct   | tttgaaaaca | atgcaaagtg | ttgtagaaca  | aagttttcaa  | 3363600 |
| gactttgaat  | atttaataat  | tgatggagga | agcaatgacg | gtagtctaga  | agagattcct  | 3363660 |
| aactatgagc  | agtatttgag  | cttttggtgc | tcagagaaag | ataaaggagt  | atataatgct  | 3363720 |
| atgaataaag  | gaatagcaaa  | agctacagga | gagtatttat | tattccttaa  | ttcaggagat  | 3363780 |
| tctctattgg  | ataatcagat  | attatccaag | attgttccgc | tattgaagga  | ttatgggtatt | 3363840 |
| atTTatgggtg | atctcatttt  | taagtatggg | actaaggata | ttttgcagac  | atatcctgat  | 3363900 |
| cgtttagata  | ttggttattt  | gttttattat | tcattaggac | accctgcttc  | tttcattcgg  | 3363960 |
| agagatttat  | tacagaagag  | accatactcg | gaggatttta | agattgtttc  | cgactgggaa  | 3364020 |
| ttcttttttt  | atgaaataat  | attagacaat | atcccttata | tgcatataaa  | tcaggctatt  | 3364080 |
| agcatctttg  | atactaattg  | tattagtctt | aatctggaaa | aatgtaaaca  | agaacagata  | 3364140 |

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|             |            |            |            |             |            |         |
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| gaggcactta  | aacgtatatt | tcctggagga | ctgtatgata | tgattgaaga  | atatgcagca | 3364200 |
| atgaaaagaa  | gtcctctttt | ccctcttttt | tatgaattac | aaaaaacaag  | aaagtttcag | 3364260 |
| cttaggatta  | agccattggt | aagcttcttg | attaaattga | ataatttcat  | tgggagaaaa | 3364320 |
| aggtagatcg  | ggagatgttt | gtagaaggag | ttaaaataat | aaatacgcaa  | tatagagtat | 3364380 |
| ttatttcaga  | tgatctaata | ctgaaaacgc | cttcatcttt | ttttattttt  | tgtacaaatt | 3364440 |
| ccaaaaactt  | ttgtacaaaa | aataattgag | aaagcggctg | aagagaaaat  | aaaagatctt | 3364500 |
| gtgctaaaga  | aaaatagtac | aagatctttt | tgtaatat   | tgcgtttggt  | atggtaagaa | 3364560 |
| tttacagagc  | ctgcatgtcg | ttcaagcgtt | tgtaatagcc | gtttttctga  | agcagttctt | 3364620 |
| cgtgtttacc  | gctttctact | atacgacctt | catagagtac | atagatgcaa  | tcggcatttt | 3364680 |
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| gtgcttcctg  | taccagacgt | tcgctttccg | tatcgagagc | agaagtcgct  | tcgtccagaa | 3364800 |
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| tgaaatcggt  | tgcattggct | atcttggcag | cggcaacgac | ttgttccatg  | gtagcattgt | 3364980 |
| ctacgccaaa  | ggcaatatgt | ttgaagaagc | tgctgttgaa | caagatggct  | tcctggttta | 3365040 |
| cattaccaat  | cagtccgcgg | agatctttta | ctaccagatc | tttaatgttc  | tttccgtcaa | 3365100 |
| tcaaaatttc  | accttcttgt | acatcatgga | agcgaggaac | cagatcgacc  | agtgtcgatt | 3365160 |
| ttcctgaacc  | gctctgtcct | accaaggcga | tagtttgacc | tttgcgact   | ttcaggctga | 3365220 |
| cgttatgaag  | cacttcatgg | gtaccgtagc | tgaacgagat | gttgcggaac  | tccagtcctt | 3365280 |
| ctttcatttc  | ggtgatgtgt | tcggcatcag | gacgttctgc | gatgttggtg  | ggagccttca | 3365340 |
| gaatcttgtc  | cacacgttcc | attgaggcaa | gccctttcgg | gatgttgtaa  | cttgccttgg | 3365400 |
| agaaatcttt  | cagcgggttg | atgatgctgt | aaagtatcac | catatagaaa  | atgaagggtg | 3365460 |
| aagcgttgat  | ggtagagtta | gcacttagaa | tcagttagcc | accgaaccaa  | agtacaagta | 3365520 |
| cgatgagtac  | ggttcctaag | aactcactca | taggggtggg | gaggctctgg  | cgcatggcta | 3365580 |
| ctcggttggt  | cgcattacgg | aattcgttgc | tgcattttac | aaagcggttt  | atcattttat | 3365640 |
| cttcagcgat  | aaatgccttg | ataatacgca | taccaccag  | tgtttcttcc  | agctgtgaca | 3365700 |
| tggtttcact  | ccatttggtc | tgagcatcga | gtgactgacg | tttcagttgt  | cgctctacgc | 3365760 |
| gtcccatgat  | ccatcccatt | cctggcagta | caatgatggt | aaacaggggtg | agttgccagc | 3365820 |
| tggttacgat  | cagagttaga | aaataggaaa | tgataagaat | cgggtttttc  | agcaacatat | 3365880 |
| cgagtgaact  | ggtgatggag | ttctctat   | cacctacgtc | gccactcatg  | cgggcaatga | 3365940 |
| tgtcaccttt  | tcgttcgtcc | gacaagaaac | tgagcggcag | gtacattacc  | tttgagtaaa | 3366000 |
| ccatgatacg  | gatatcacgc | actacaccgg | tacgaagcgg | aatcatgatg  | gctgtagaac | 3366060 |
| cgaaatagca  | tgcgggtttc | agcaatgtca | ttcctgcaag | gaagagtccc  | agccacagca | 3366120 |
| atgtagtaga  | agggccgaac | ttgtctatca | gttgggatac | gtaatagtag  | aaattgttta | 3366180 |
| cggcaacatc  | tttcagttcg | ccgttccccc | attccatgaa | atgatatact  | ttttctgaat | 3366240 |
| cgccgggtctt | gaacaggata | ttcagtatcg | ggatgagaag | tgaaaaagag  | aagacattga | 3366300 |
| ataccgcgga  | caacagggtt | agacctactg | cgccgataac | atatttcttg  | tagggcgaga | 3366360 |
| taaaccgccg  | catcatttgg | aaaaattctt | tcatgcagga | aatacttctg  | ttataatata | 3366420 |
| gtgcacaaag  | atagtgaat  | ttattgtttt | ctttgatata | aagagggggc  | ttttgcatat | 3366480 |
| tattttataa  | atttgcaatt | taactgaaac | atggcaattc | aatgaaattc  | atatattatc | 3366540 |
| tggttttttt  | cttctggtat | ctgtctcttt | tgttaccatt | gaggggtactt | tattttat   | 3366600 |
| ccgatatgct  | gtttgtcccg | ttattctatg | gtttgaaata | ccgtcgggat  | atcgtgcac  | 3366660 |
| gtaacattgc  | cggttcattt | cctgaaaaaa | gtgaaaaaga | gattctgaag  | atagagaagg | 3366720 |
| agttctatca  | ttttttctgc | gactatgtgg | tagaaactat | caagttgttt  | tccatgtcga | 3366780 |
| aaaagcagat  | gatgaagcgt | atgactttta | gcggactgga | tgaggtgcgg  | gaaacattgg | 3366840 |
| gaagggaaaa  | taaaaaatgc | tgctttcttt | atttgggaca | ttactgtaac  | tgggagtatg | 3366900 |
| tagcttcctt  | gcaatactgg | ttcccagaga | tacattgcgg | acagatttat  | catcctctgt | 3366960 |
| ataataaagc  | tttcgataag | ttgtttctcc | gacttcgcgg | acagtttggt  | ggtgagtcta | 3367020 |

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|------------|-------------|-------------|-------------|------------|-------------|---------|
| ttccgatgaa | ggaaacgttg  | cgccggctgg  | tgacgctcag  | tcggggagag | aagaaggtga  | 3367080 |
| tgataggctt | tattttctgat | caggctccgg  | gatgggaggg  | gatggatcac | tgacatcat   | 3367140 |
| tcctgcatcg | ggatacagct  | ttctttcagg  | gtacggaacg  | tatcggtcgg | cggctggatg  | 3367200 |
| ctgcggtcta | ttatgtaaag  | attaccagag  | taaaacgtgg  | gtattatcat | ggtacgttcg  | 3367260 |
| aactattgac | cttgcacctt  | gccgaattgc  | ctgagtatcg  | gctgacggat | atgtactcgg  | 3367320 |
| agcatctgga | gcaacagata  | aaggaagctc  | cggcttattg  | gttatggagt | cataaccggt  | 3367380 |
| ggaagcggac | gaaagaagaa  | tggttgaaaa  | tgctgtggaa  | cactaaaaaa | tcgtaatatc  | 3367440 |
| atgccccga  | aaattattca  | tttgtgctgg  | ttcagcaagg  | atccttatcc | attggaaatt  | 3367500 |
| aagatttgtc | ttgcaagctg  | gaagcgtgtg  | cttcccgaatt | atacagtgcg | tgtctggacg  | 3367560 |
| tacgaggatg | caaaagctat  | cggttgtgaa  | tatatagacc  | aggcgttgtc | ggtcagaaaa  | 3367620 |
| tgggcgtttg | cagcagatgt  | tgtccgtttt  | tatgccgtat  | ataaagaggg | cgggtgtgtat | 3367680 |
| atggacagtg | atatttatct  | gcgtaagcgt  | ttcgcagcgt  | ttattcctga | aaccggatgt  | 3367740 |
| gctacattca | atgaacgggtg | ggaggaagga  | gaaaccgatt  | atggcattca | ggctgccttt  | 3367800 |
| tttatcgggt | caaagggaaa  | tgattttctgt | aaggaggtct  | ttgaatatta | tcagacgcgt  | 3367860 |
| gattttattc | gtccccgacg  | ttcgctggat  | cagacggttt  | cgcggtatat | catgcggagt  | 3367920 |
| attgcggagc | gcaggggata  | tgtctgcaag  | gaagaagaac  | agcatctgaa | gggtattgat  | 3367980 |
| atttatccta | cgcattggct  | gtcacccaga  | agccgtttca  | agcatagtcc | ggatgcgttt  | 3368040 |
| ggggagcatc | gggtgtatgg  | aagctggcgc  | gaccataagt  | tcggcagaaa | gttggaacgt  | 3368100 |
| tcgttcaagc | atttctgcaa  | tgccgtgaag  | ttttatttgt  | tgggcagata | agaggacttt  | 3368160 |
| cctccactat | tgagatacaa  | aaaagtcgca  | tcattactct  | ctatatgagt | tttgatgcga  | 3368220 |
| cttttcttag | ttatcggatt  | cctttccgct  | gtttatatct  | atcgattcgt | ttctgaaaag  | 3368280 |
| cttcttcttt | cttgctgccg  | ttggaatgga  | atatcagagc  | ttcggggatt | tcttttccac  | 3368340 |
| ggtcttccag | tcggactttt  | ccgtctttat  | cttttattaa  | atcgacagca | tcgtataaat  | 3368400 |
| cgttgggtgg | ggcatcgtag  | gcgttcatgg  | taagggtatc  | gccatgcaca | cggatttgcg  | 3368460 |
| ggtaataacg | gctgcccgtg  | ccgaacttgt  | cgaatcgttt  | atcgaactcg | atgagatagt  | 3368520 |
| tcttgggtga | gcagtggctg  | acggtataaa  | cagggggctg  | gggctctccg | ttttctccgt  | 3368580 |
| ggccagtcac | acgggcataa  | gcgtgttcat  | gtccttgcag  | tacgaggtcg | acaccatatt  | 3368640 |
| tctctaccag | cgggttgaac  | atggtgcgct  | ggaacaggtt  | gttcatgctt | cctttgatgg  | 3368700 |
| agtacagcgg | atgatggagc  | acgacgattt  | tccatcgtgc  | atcgcttttc | ttgagctggt  | 3368760 |
| cttccaacca | ttttttctga  | gtccatagat  | agaagaactc  | acggttgctg | tcgaggcaga  | 3368820 |
| agatttgcac | gtcgttgtat  | ttcagggtat  | atacctgatt  | ttctcctacc | attgagtcga  | 3368880 |
| ggtagtaaga | gaataccagt  | gagaagcggc  | gttccagctt  | gcgaatgatg | tatttccagg  | 3368940 |
| attcatgatt | tccggtaacc  | gtaatgacgg  | gatagcgttg  | tccgatggaa | tccagcccgc  | 3369000 |
| gatattgttt | ttcccagcgt  | tggttcagtcg | gacgctcggt  | caggtcgcct | ccgaaaacga  | 3369060 |
| aaaattcagt | atcgggatgg  | cggcgcagag  | ctttgcggaa  | gaagtcgttg | gcttttccat  | 3369120 |
| ggatactgtc | ttgtacatca  | cctacataca  | taaatgaata  | gtcttttcgg | gtggactgat  | 3369180 |
| tgtatgtgcg | gaaactatac  | caggatgagg  | ccttgtcttc  | attgcatact | cgataggtat  | 3369240 |
| aataacggtc | gggttgacga  | gaacgtagct  | tggaacata   | gtatgctgct | attccgctgc  | 3369300 |
| gcgaacggaa | ggtttctcct  | tgtgcttcaa  | tctgtatggt  | atcttttgaa | agagtgtcta  | 3369360 |
| ccaggtcgac | gtgtgacggt  | acgactatgg  | agtcgtattg  | ccagctgatg | ttgcgtgaca  | 3369420 |
| gttcgttttt | gtcgcggaag  | gtcagcagta  | ccctcccggg  | ctctgacagt | ggtgcgtaag  | 3369480 |
| gaagttcttc | ttcgttgtgg  | aaccatgcgc  | tccagcgtga  | attaatccac | aatccgagtg  | 3369540 |
| ccacgatgac | aatcagtggt  | atgctaagtc  | ggatgatagt  | tttctttttc | atgttgtgat  | 3369600 |
| agattgggtt | tcagttgcaa  | atataaggaa  | aggtgtttga  | agtttcttat | tttgtgttct  | 3369660 |
| gttttgccga | aaagttattt  | taaaataagg  | tcttaggcag  | gttttagaaa | taatcggttaa | 3369720 |
| ctttgccgtt | cttaacttcc  | aaaaacattg  | gcaatgaaaa  | aagaattgtt | ttcgaatgtg  | 3369780 |
| ctttccctga | tatggaattt  | gtcattatc   | tatgtgtgtt  | attcgctttg | tcgtctaacc  | 3369840 |
| tttttgctcg | agaacttccg  | tctgttcagt  | gagaatctga  | cgtggaaata | tgcgctgaat  | 3369900 |

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| atgttcgggg  | cgggtattat  | cttcgatacg  | acggctattc  | tgtatagtaa | tgccttgttt  | 3369960 |
| atattgttgt  | ttctgttgcc  | gttcatttgg  | aaagaaaatg  | ctaccttcta | taagggtgtc  | 3370020 |
| cgctggattt  | ttacggtggt  | taacgggtctt | ttcctgatat  | cgaatctagt | ggattgtgtg  | 3370080 |
| tatttccgtt  | tttccggacg  | acgtactacg  | atgagtgttt  | ttcaggagtt | tggacatgaa  | 3370140 |
| ggcggaggta  | acttggcttc  | tatttttatg  | gatgagttta  | tttcgcactg | gtatctagtg  | 3370200 |
| attttggctg  | tcgttttctg  | ttatgggtatc | tataagctgt  | atcgggcacc | gcggaatatt  | 3370260 |
| ccagtatata  | gcaaattggca | gtattatgtg  | ttgcagacgg  | ttaccttact | gattgccata  | 3370320 |
| ccgtttacgg  | tatttgggtat | gcgtggaggt  | atgacaactg  | ctacgcgtcc | gattacaatc  | 3370380 |
| agtaatgcta  | atcagtacgt  | agaccgtccg  | ctggatgcag  | gagtagtctt | gaacacaccg  | 3370440 |
| ttttctattt  | tccgtacatt  | agacaaaaaa  | acgtttcttg  | taccaatta  | catgccggac  | 3370500 |
| agtgaagcgg  | ttgccgtata  | ttctccggtg  | catgttcctg  | ccgattcggg | acagttcaag  | 3370560 |
| ccgatgaatg  | tgggttgaat  | catctgggag  | agctttacta  | aggaatttgt | gggcagtctg  | 3370620 |
| aaccgtgatc  | tggataatgg  | aaagtacaaa  | gggtatacgc  | cgtttatcga | ttcgtctgtg  | 3370680 |
| acaaagagct  | tgagttttac  | atatacatat  | gctaacgggc  | gaaagagtat | tgagggaaatg | 3370740 |
| ccttcggtct  | tgtcgtctat  | accgagtttt  | gttgagccgt  | tcttccttac | tccggcttct  | 3370800 |
| ctgaacgatg  | tgtccagtat  | agccggtgag  | ctgaccaaga  | ataaaggata | ttattcggct  | 3370860 |
| ttctttcatg  | gagccatgaa  | tggttcgtatg | ggcttccagg  | cgtttgcccg | ttcagctggt  | 3370920 |
| tttaccgatt  | atttcggacg  | tacggagtac  | aatgaagatc  | cgcgttatca | cggggatgag  | 3370980 |
| gatttcgatg  | gtacatgggc  | tatctgggac  | gaagagtctt  | tgcaatacta | ttgtgacaag  | 3371040 |
| atgacggaat  | tcaaacagcc  | gtttgttact  | tccgtgttta  | cggcaagttc | ccatcatccg  | 3371100 |
| tttgcaatac  | cggcacgtta  | tgaaggtaag  | ttccccgacg  | gaccgactcc | gcttcagcgt  | 3371160 |
| tgtatcgggt  | acacggatca  | tgccttgacg  | ctcttttttg  | agaaggcttc | gcatcagccg  | 3371220 |
| tggttcaaga  | atacactgtt  | tgtatttact  | gccgatcata  | ctagcttttg | tacatatcct  | 3371280 |
| gagtatctga  | ccgacttggg  | actgtatagt  | gtacctattt  | tgttttatgc | tcccgggtatg | 3371340 |
| ccggagctcc  | gtggaatgga  | agataagatt  | gtagaacaga  | ttgatattat | gcctactgta  | 3371400 |
| ttgggactgt  | tgggttacga  | ccgtccgtat  | gtaggtttcg  | ggcaggatgc | tcttcatact  | 3371460 |
| ccggcagctg  | ataagtcttc  | ggtaaataat  | gtgatgggta  | cgaatgttta | tcagtttgtg  | 3371520 |
| aaaggaaatt  | acatgattca  | gtttgatggg  | gagaaagtat  | tgaaggctta | ccgttaccgt  | 3371580 |
| accgaccgcc  | tgttgaaaga  | tgatgtgaag  | gatactatgc  | ctcaggatac | acttcgggca  | 3371640 |
| atggaaaacgc | aattgaaatc  | gtttatccag  | cagtatatgc  | agcgcatgaa | tacaaacaat  | 3371700 |
| ctggtttaca  | ggaaatgatt  | cctgtattcc  | gggtaatgtt  | gcgtccggta | tgggcgtgaa  | 3371760 |
| gagaatatac  | gaaaacagga  | aagggaagc   | tcagcttgcc  | ctttcctgtt | tttagtctgt  | 3371820 |
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| tcttacgcat  | acgcatgctc  | ttcggagtta  | cttctacata  | ttcgtcttcc | ttgatataatt | 3371940 |
| ccaaagcttc  | ttccagttag  | aagataaccg  | gaggaataat  | acgagcctta | tcgtccgatc  | 3372000 |
| cggaagcacg  | catgttagtc  | agtttcttcg  | atttggttac  | attgacaacc | aggctgtttt  | 3372060 |
| cgtgaacatg  | ttctcccact  | acctgaccgg  | catatacttc  | gtcctgagga | tagataaaga  | 3372120 |
| acttaccacg  | gtcttgacgt  | ttatcgatgg  | cataagcaaa  | tgctgttccg | ctttccatgg  | 3372180 |
| caatcataga  | accgtttgta  | cgacgaggaa  | tatcaccttt  | gtatggctgg | tattcttttga | 3372240 |
| aacggtgagc  | catgatagct  | tctccctgtg  | aagctgtcag  | tacgttggtg | cgcagaccga  | 3372300 |
| tgataccacg  | tgaaggcata  | tcgaattcga  | tgttttacacg | gtcgccttga | gtttccatag  | 3372360 |
| aaaccatttc  | acccttacgg  | cgggtaacca  | tatcgatcat  | cttgctggca | aattcttcgg  | 3372420 |
| gtacgctgat  | ggtcaactct  | tcaatcgggt  | cacattttac  | accgtctatt | tccttgaaga  | 3372480 |
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| cagacaagtg  | cagcacacca  | cgtccggaag  | cgatccattt  | accatcttcg | ttttctgtct  | 3372600 |
| tgcgtacacg  | caatgccagg  | ttcttgcga   | gttctttcat  | cagacggctg | tgaatgtgac  | 3372660 |
| gtgaagtaac  | atacttacct  | tctttaccga  | agaacggaga  | atcgttgatc | gtgaacaaca  | 3372720 |
| tactcatggt  | cggttcgtcg  | atagcgatag  | gaggcagcgg  | ttccggattt | tcgaaatcgc  | 3372780 |

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| atacagactg  | tactttcttg | cgtcccagac  | cttcgaaggt  | atgtacttcc | ttgatttttg  | 3372900 |
| atttaaccat  | cgtaccgtcg | cgttttagcaa | gtgtaatgtt  | catgccttcg | ctgatggttc  | 3372960 |
| cgcggtgtac  | acggcctacg | gcgatacgac  | ctgtatatga  | agaataatcg | agtgatgtaa  | 3373020 |
| tcagcatctg  | cggagttcct | tccaattggt  | ggggagccgg  | tatatatttg | ataatagcgt  | 3373080 |
| ccagcaacgg  | agtgatgggt | ccggtcggag  | tcttcagtc   | ttcaccatc  | cagttgttct  | 3373140 |
| tggcagaacc  | gtaaagaacc | gggaagtcga  | gctggtcttc  | ggtagcggtc | aagctgaaca  | 3373200 |
| tcaagtcgaa  | taccatttcg | taaacctctt  | ccggacggca  | gttaggttta | tctaccttat  | 3373260 |
| tgacaaccac  | gatcggcttc | aaaccgattt  | gcaaagcttt  | ttgcaatacg | aaacgtgtct  | 3373320 |
| gcggcatcgg  | gccttcgaac | gcacgcacca  | acaggataca  | tccgtctgcc | atgttcaaga  | 3373380 |
| cacgttctac  | ttctccaccg | aagtcggcgt  | gccccggagt  | atcgataata | ttgatttttg  | 3373440 |
| tacccttgta  | attgatggaa | acgttcttcg  | aaaggatagt  | tataacctct | tcacgttcca  | 3373500 |
| gatcattggt  | atccagcacc | aattcgccat  | tggtttggtc  | attgcggaat | aagtgtcccg  | 3373560 |
| ccagcatcat  | cttgtccacc | aatgtagttt  | ttccgtggtc  | tacgtgggca | ataatggcaa  | 3373620 |
| tgtttctgat  | atcttgcata | ctatacctaa  | tagaaatatt  | atttgaggag | caaagttacg  | 3373680 |
| atttttcttt  | gatatttgta | gtgaaaatct  | tgattttggg  | tgaataaagt | tgccagatca  | 3373740 |
| tgatgcagcc  | gggctctact | ggtcggtggt  | gaaaacgtga  | tacttgaaat | cttagtcaat  | 3373800 |
| gaatttcgtg  | tgcatgatgc | atgcgctgga  | atataatttcg | gggcgattat | caatattttt  | 3373860 |
| tcgcttaact  | cattgttata | tggaagatta  | tctttacctt  | tgaccgcaa  | aatcaaaatt  | 3373920 |
| tatatatttt  | aaacagtcaa | aattatgtat  | ttagacgcag  | ctaaaaaaca | agaaatcttt  | 3373980 |
| ggaaagtacg  | gaaagtctaa | caactgatact | ggctcacctg  | aagcacagat | tgcatgtgtt  | 3374040 |
| tcataccgta  | tttctcacct | gactgagcac  | atgaagctca  | acagaaaaga | ttatagcact  | 3374100 |
| gaaagagctc  | tgacaacact | ggtaggtaag  | cgctcgttct  | tgctgactta | cctgaagaac  | 3374160 |
| cgcgatatcg  | agagataccg | tgctatcggt  | aaggaactcg  | gtctgcgtaa | gtaatccgtt  | 3374220 |
| acttgctgca  | acagaaaaca | aatcgagccg  | cctcttgaag  | aaagggcggc | tcgattttgt  | 3374280 |
| tttataggat  | ttgtatccgg | tttattccgg  | atactgaagt  | tgtgcttcgg | tgatgttttc  | 3374340 |
| caatacttcg  | tgaggtattt | tggtgcttc   | ccaacgtgcc  | atcggaagat | tcacatcag   | 3374400 |
| gtagttgcca  | cagtcttttg | cgctggctcc  | gggtacatcg  | ccctcaaaat | cggctatgaa  | 3374460 |
| gcggaaaagt  | tcctgcatca | gcggaaggat  | atcttttgat  | tcgagatcac | cttttacaac  | 3374520 |
| cagataattg  | ccggtaaagg | agcccatagg  | gccccagtag  | atgattttat | cggcccatat  | 3374580 |
| cggatgggtg  | cgcaggaagg | tagcagccag  | gtgctccatg  | gtgtggatag | ccgaagggct  | 3374640 |
| aaggcacggt  | tcccggttcg | gctctttcat  | gcggatatcg  | aagggtgtga | cgatttcggt  | 3374700 |
| tcctacagtg  | tctttgcgtg | atacataaat  | accacgtaac  | agacggatat | ggtcgacggt  | 3374760 |
| aaaacttggg  | atttttttca | taatcctctt  | gatttaatta  | taatttggtt | ggcaaagcct  | 3374820 |
| ttaagaatgt  | ttctgtaacg | tggaaggaac  | ggtcggccat  | ttctccccag | aaattctggt  | 3374880 |
| attgttcgaa  | atgcttgtct | gctcccgggt  | tatcgctgat  | gatacggaaa | ctgataaacg  | 3374940 |
| gaactttata  | caagtaacaa | acctgagcta  | tggtgcccga  | ttccatgtcg | acggcaagac  | 3375000 |
| cttcggggaa  | gttaccctta | atggtatcca  | gttcgctgct  | gtcggtaatg | aacttgctgc  | 3375060 |
| cgctgcaaat  | cagtccgccc | tggtatcgct  | tttccgtatc  | gagcgacatg | gcacagttgt  | 3375120 |
| aaagcggttc  | gtcgccggtg | aagaaagtag  | ggagtcctcg  | aatttgctcg | tatgcatttc  | 3375180 |
| cttcgccgca  | ccatacgtcg | tggtacacga  | tttgctggct  | tactaccaca | tccattactt  | 3375240 |
| tcaggcaggt  | atcgatacct | ccggctactc  | ccgtactgat  | aatgcagtcg | ggctcaaaat  | 3375300 |
| tgcggtatcag | ctctactgct | ccggcagccg  | cattcacctt  | gcctataacc | cattgcatca  | 3375360 |
| gtataatggg  | attgttcttg | atggttcctt  | ctatgtagct  | gaaaggacct | ttggtacatt  | 3375420 |
| ctgttttttc  | tctcagttgg | ttagccagct  | gcttctgctc  | tgaagacatg | gcggttatga  | 3375480 |
| ttcctatttt  | catattattt | tatgattttc  | gctgacaaag  | ttactatttt | tcattggacta | 3375540 |
| ttgtgttatc  | tttgctgtct | gaaaacatta  | attaataaac  | tatttctgta | tgaatcaatt  | 3375600 |
| aaagaaaactt | ctccctgata | ttgtggcgat  | tgtgctcttt  | gcaataatat | cggctcgctta | 3375660 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tttctttccg  | gccattacag  | aaggacgcat  | cctggcacag  | cacgatgctg  | tagcaggtat  | 3375720 |
| cggagccgga  | agagaacatc  | aggaatatta  | cgaaaagcat  | ggtaaagcta  | cccgatggac  | 3375780 |
| aaactcgttg  | ttcagtggaa  | tgccgactta  | tcagctggct  | ccgggggatg  | aatcgagccg  | 3375840 |
| tacactgagt  | tttgttcagg  | aaatctaccg  | gctgtttctc  | cctacttatg  | ccggatacat  | 3375900 |
| ctttatcatg  | ctgctgggct  | tctacatctt  | gctgcgcgca  | ttcgatttta  | aagtctgggt  | 3375960 |
| gtctgccttg  | ggagcaatta  | tctgggcttt  | ttcttcctac  | ttctttatca  | tcattgctgc  | 3376020 |
| cggtcataatc | tggaagtttg  | tgacacttgc  | ttacataccg  | cctaccatag  | caggtatggt  | 3376080 |
| cttgatatac  | cgaggttaagt | atttgtgggg  | tggtttgggtg | actgctttgt  | tcgtggcact  | 3376140 |
| gcaaatgtg   | tcgaaccaca  | tgcagatgac  | gtattatttc  | ctctttgtca  | tgttgtttat  | 3376200 |
| cgccatagct  | tatggagttt  | ctgcatggaa  | ggaaaagcgt  | ttcccgcagt  | tcctgaaatc  | 3376260 |
| gaccggagta  | cttggtggtg  | caggtatctt  | gggtatatgt  | attaacttgt  | cgaatatcta  | 3376320 |
| ccatacgtat  | cagtatagta  | aagagagtat  | gcgtggaaag  | agtgaactgg  | tgaagaaca   | 3376380 |
| ctcggctaata | cagacgggaa  | gaggacttga  | acgtgactat  | attactcagt  | ggagttacgg  | 3376440 |
| catcggggaa  | acattttcgt  | tgcttgtgcc  | taacgtaaag  | gggtgggctt  | ctgttcctct  | 3376500 |
| ttcacagaac  | gaaacggcaa  | tgaagaaagc  | cgaccgcact  | tatatgggac  | tgtacagcca  | 3376560 |
| gattggtcag  | tactggggcg  | aacagccggg  | tacatcggga  | ccggtatatg  | tgggagcttt  | 3376620 |
| cgtgatgttc  | ttgtttattt  | taggctgctt  | tatcgtaaaa  | gggtccgatga | aatgggcttt  | 3376680 |
| gctgggcggc  | acgctgtttt  | ctattttact  | gtcgtgggga  | aagaacttca  | tgggactgac  | 3376740 |
| cgatttcttt  | atcgattata  | ttccgatgta  | caataagttc  | cgcgcggtat  | cgtctattct  | 3376800 |
| tgtcattgcc  | gaatttacga  | ttccattgct  | ggctatcatg  | gcattgaagg  | aagtgattga  | 3376860 |
| ccgtccttcg  | ctgttaaagg  | aaaaggcaaa  | agctttctat  | atcagtctgg  | gactgacagg  | 3376920 |
| cggactgtcg  | ttgttgtttg  | ccattgctcc  | gcgggtgttc  | ttcccgaact  | atgtttcgag  | 3376980 |
| catggaaatg  | agtgttttgc  | aaaacgctat  | cccggccgag  | cagcttgctc  | ctatactgat  | 3377040 |
| gaatctggag  | gagatgcgcg  | tagcgatctt  | tacatctgat  | gcctggagaa  | gcttctttat  | 3377100 |
| catcatcatt  | ggtgtagcct  | tgctgtgggc  | atattgcgcc  | ggaaagctga  | aagcaggttt  | 3377160 |
| tctggtagcg  | gctttggctg  | tattgtgtct  | ggtagatatg  | tggagcgtga  | acaagcgta   | 3377220 |
| tctgtacgac  | gggcagttcg  | tggcaaaagg  | taccgagatg  | cagcctttcc  | tgaagccttc  | 3377280 |
| ggaaacggat  | aagaagattc  | tggaaagataa | gacactcgac  | tatcgtgtac  | tgaatctggc  | 3377340 |
| aagcaatact  | ttcaatgaaa  | acgagacttc  | gtactggcac  | aagagcatcg  | gaggttatca  | 3377400 |
| cgctgccaaa  | ttgcgccgtt  | atcaggaaat  | gatagaagaa  | catatacaag  | gtgaaatggg  | 3377460 |
| taatctgttt  | aaggagcttc  | ctgctgtagg  | tggcgatatg  | acacagggtcg | atccttctca  | 3377520 |
| tttctctgta  | ttgaatatgc  | tgaatactcg  | ttacttcatc  | ttccctcttc  | aaggagggttc | 3377580 |
| taccgttcct  | atttacaatc  | cgtatgcgtt  | gggcaatgcc  | tggtttgtag  | ataaggtaca  | 3377640 |
| gtatgtgaac  | aatgcgaatg  | aggagataga  | ggctatccat  | catatcgatc  | cggcaaaggt  | 3377700 |
| agctgtcgtg  | gacaagcgct  | ttgctgacga  | agtgaagat   | tcgggtgctg  | gaaaagatag  | 3377760 |
| tctgagtacc  | gtcgtgctga  | agagttacga  | gcctaataaa  | ctgatttatg  | aggttaactc  | 3377820 |
| acagaagggg  | ggagtggctg  | tattctctga  | aatctattat  | ccgggatggg  | agtcatacgt  | 3377880 |
| tgacggaaaa  | gaaactgttc  | acggacgtgc  | cgactacatt  | ctccgtgcga  | tgaatgttcc  | 3377940 |
| ggcaggaaaag | catacgatac  | gttttgcctt  | cgatccgaga  | tcgctgcatg  | taaccgaagc  | 3378000 |
| cattgctttt  | gccgcattgg  | gtatactggc  | agtggtagct  | atcgtggcca  | tcgtattgca  | 3378060 |
| actgcgtaag  | cgcaaagaag  | cataaggaag  | attcggaaaa  | atccgttgca  | atctttcgaa  | 3378120 |
| agaatttgta  | caaaagaaaa  | aaacttttgt  | acaaaaaata  | agaaaacgtc  | aggacatctc  | 3378180 |
| attcaaaaatg | tcctgacgtt  | ttcttattat  | ataacgaatt  | tctgtttcct  | ctctgaagggt | 3378240 |
| ttcttttagg  | gatcggctat  | aggatataca  | actgtttcag  | cagggtatgt  | gcccaatgat  | 3378300 |
| attctttggg  | aagccattgt  | tcgtcgtcct  | cgctgtgagg  | agcttgatgg  | atatcgttca  | 3378360 |
| ataacttaat  | gtactgggtg  | acttcgggtta | cggcatcctt  | ctgcttgttg  | tcgaggagca  | 3378420 |
| gtaaaaagaat | tttctgtttc  | gagatattca  | catcgggaaa  | ttcactcata  | gattctgctt  | 3378480 |
| tttccagcag  | ttccttgctt  | tcccgaattgc | tttctgcggt  | attgtctctgc | ttcatgatac  | 3378540 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
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| ccagcttcat  | ggcctgcatg  | taatctctgt | tgaactccat  | catggatgca  | gaaaagctta  | 3378660 |
| ccaggccgct  | ggtacgtttc  | agatagatag | gatctttggg  | tgtttccttc  | agcggatagt  | 3378720 |
| ctttctgcaa  | cttctccaat  | ctctcttcca | gactgctgta  | tataccgtat  | ttttccagta  | 3378780 |
| cgcttttatc  | ttttatctcg  | tcgtaatact | ggagaatttt  | gttctgagct  | gagaccagtg  | 3378840 |
| cagtcggatc  | ttttttcatg  | aactgcatga | actggatagc  | ggtattgtcc  | gcctcttttt  | 3378900 |
| cctgttgctt  | ggagtaattc  | agtcccatcc | ggttgtaaat  | atcatagttt  | accagttacct | 3378960 |
| gaacaatgtc  | gttggttgta  | aaggcagccc | ccggaatgta  | atthttcgaat | ctattgtaaa  | 3379020 |
| gtgcagcttc  | tatggctgtg  | gtagcaacat | cggctacggc  | accccagaat  | gctgctcggt  | 3379080 |
| tggcacgact  | tatgttttta  | ttgacagtta | tcacggcggt  | gtcagagtaca | tagtgtgcca  | 3379140 |
| tttctctggc  | aagcatgctg  | aataactcat | cttccgtatc  | gagcagcgta  | agcagttccgc | 3379200 |
| ttgaaaccag  | catacagttg  | ttgtcaaca  | tcacaatgtc  | tggattcgga  | gatttcagga  | 3379260 |
| tacgtacata  | aggcattcca  | tatcggtcgg | cgatgaattc  | tttggaatc   | atgctcagca  | 3379320 |
| taaggcagtg  | tacatagtct  | tccatggcag | catcctcgta  | aatcatatta  | gctctttcca  | 3379380 |
| gctcgtcgag  | gtacgtattg  | gcttcattct | ccatttcttt  | tctcatgggt  | tcctgaagtc  | 3379440 |
| ctttactttc  | gtaatatgtt  | accaatccgg | aattgatttg  | ttccgacagc  | cagaaagtgtg | 3379500 |
| tcggattagt  | aggagtaaac  | tccagtctgt | ccatgttatt  | cagtgcgaca  | ccttggtggc  | 3379560 |
| gcccgttgat  | aatcagaact  | gcttgccggt | agttaggatc  | cgttggtgta  | tattgggtca  | 3379620 |
| gctttacgaa  | gcgctggagt  | gtgaacggag | tgctgcctt   | gatgcttcca  | atatcatctt  | 3379680 |
| ttacaatgcc  | ttttatataa  | attgacggac | tgaggctcgt  | aatatgtttc  | tgggcgatca  | 3379740 |
| ttcctgtgca  | tgctgtacac  | aagaagaaca | aggttaaagc  | gaattttttc  | attgtcctgt  | 3379800 |
| tcgtttatgg  | tttctgctgc  | gcaatgtacc | atctttttatc | aggccatcca  | ataaaatagc  | 3379860 |
| gttattattt  | gtgaagcagc  | aggcgtaatg | caaaccataa  | gtgtcgcagg  | atggttgaaa  | 3379920 |
| aatatccgta  | atgcttgcac  | atgatgcgga | agcgttcttt  | cagcgaagcc  | ttgtggttac  | 3379980 |
| gggttgatcat | tccttcgttc  | aggtaatcga | tcagggtgag  | gtgggtatta  | tgaagtgtct  | 3380040 |
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| cgtagtttac  | cagtctgtca  | cggcgggcaa | aaaaggcctg  | atgacaaacc  | agcatccctt  | 3380160 |
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| taaactcttta | tatatttcat  | ggcaacattc | tgttcggaa   | aggtctctac  | cgcttttcgg  | 3380700 |
| cgggcttctt  | cgctgaggct  | ggcgtagtct | ccttcgttca  | gcgaccagca  | tataccgttg  | 3380760 |
| gcaagatctt  | ccgacgattt  | gtattgtgct | acgtagccgt  | tgtgcagatg  | atcgatcatt  | 3380820 |
| tgcggaatac  | cgccgatgtt  | gaagcctaca | cacggtactc  | cgcatacat   | cgcttctaca  | 3380880 |
| atggtattcg  | gcagattctc  | ctgcaacgat | ggagtgcaca  | acagatcgac  | tgcattataa  | 3380940 |
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| tccggatgct  | gctgttggtg  | gagtttacat | gcttctacca  | gatagtctat  | gccctttttc  | 3381120 |
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| cggctgcatg  | caacgaatgt  | gatgttagcc | ttcttggtata | gtttttgttt  | tttcagaaaa  | 3381360 |
| acccgatacg  | acaagtctgt  | cttgtagcct | ttgtacagca  | acgggcatgt  | attacattgc  | 3381420 |

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| agcatttcctt | gattgatcca  | gtgcagatgt | attacatcgg  | cctgctgaaa | ttccggcaga  | 3381600 |
| gaggttatgt  | ctgttcccat  | attggcaatg | tcgacggcaa  | agagattgtg | tttcttgaaa  | 3381660 |
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| aattcattttt | ctttttcctt  | gtctgtgtca | ggcgccaaaa  | tctcccttca | gggtgctgctt | 3381960 |
| gatgcggcga  | atggcttttg  | cccagaaaca | attggtgctg  | tgatagtatt | tttcgaagac  | 3382020 |
| tcttcgtgct  | gccttgcttct | cttctatggg | agaaataagt  | ttgacgggaa | gaggttggtg  | 3382080 |
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| agtgttctga  | atcagcgatt  | ttcccacggt | caacgataag  | atgtcggcaa | ggaacaggct  | 3382200 |
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| ggtaaaagga  | tagttaccgt  | tgaagtcaaa | atatcgtgtg  | agcttgctgt | tctccagttg  | 3382320 |
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| catgaacttc  | agaaaataag  | gagcaactat | caggtcgtct  | tccagtagca | tgactcttcc  | 3382560 |
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| ctcacgttcg  | atgatggtaa  | tactcttaaa | tccgctgatg  | ctgtgtatat | agcggcgtac  | 3382680 |
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| ggcatattcg  | gaaagtagat  | agacacgttc | tgcccagcaa  | aacccttcaa | aagatacttt  | 3383100 |
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| gaaatgcagg  | cggttgacgt  | aatctttatc | ttctccatag  | tggtaaaata | gaggagaaaa  | 3383220 |
| tcctcctacc  | ttacgcaatg  | tactgactgg | aataaaccag  | aaagctgcat | tgataaacgg  | 3383280 |
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| tgcaaatccc  | ttgtcgagtt  | ctttcccgtc | tccatttaaa  | tgtacgggag | aaagaatacc  | 3383400 |
| gaattctgga  | tggcgcacag  | cttgagcggc | aagtacagcc  | agtgtatcat | ttcctatcca  | 3383460 |
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| atattccttt  | gggataattt  | ctacggtccg | gtctttcgaa  | cagttgtcta | tcacgatgat  | 3383640 |
| gtccgtggga  | tgggatgagg  | ctttcagact | attcaggcat  | cggcttatcc | acttttcgaa  | 3383700 |
| attatatgaa  | acgatgattg  | tcaagatttt | catcatacca  | gttgtttgct | gtgagcaatt  | 3383760 |
| atttcaattt  | catccacaaa  | gtagtgaggc | ggtctttcac  | tctcttgctg | aggctgatat  | 3383820 |
| gaggaatacc  | cgtatatctt  | ccagcctttt | tccagaaatc  | ggtttcgctg | gctattttctc | 3383880 |
| ctccattctt  | ttcgatcaac  | ctgtataaat | aatacaaccc  | gcgcttcttt | tcatatggta  | 3383940 |
| agtgccatac  | cggatagttt  | tcattctccg | gttgacacatt | gttgaaatga | ggagtagtcc  | 3384000 |
| acatgcgctt  | cacgtatcgg  | ttggctgttg | tattgcgtat  | ttgtaaagt  | tcggcaagca  | 3384060 |
| aacttagtaa  | atgagcttcc  | tcatttaact | tgaatggatg  | ctgctttcca | tacttcagggt | 3384120 |
| tgaaagtcca  | cagctccgga  | aatgcagtat | tgattttact  | gattacatct | tttcgtaagg  | 3384180 |
| ctacaaaattc | acctccgtag  | taagtcatgg | aaccttttac  | ctcttttccg | taacaggctc  | 3384240 |
| ggtacacttc  | ttccatttgg  | ggaagcgtaa | ttccgttgat  | ggtgtatttt | ctgtcggtaa  | 3384300 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgaattcata | aagagcacta  | ccgtccttgc  | ggacagcctc  | aaacaaggtc  | tcgagagagg  | 3384360 |
| tatggcacag | acagtcggca  | tcgctgatct  | gtaagggtgc  | atcttcttgc  | atacgggtgt  | 3384420 |
| ccatatactt | taagatatcg  | tacagataga  | actgattttg  | ccatgccggg  | taccagtctt  | 3384480 |
| tgggaggcct | gcacgtatag  | ggtaacgtaa  | ttacctctac  | gtccagttta  | cagaacaacc  | 3384540 |
| gagtaaggta | atcgggcaaa  | tcttcttttg  | tcagattcgt  | aaagaaaata  | aattttgctt  | 3384600 |
| ccggattata | atacttgaac  | gttacgaaga  | aaggcacttg  | tatttgcatg  | taaatggaat  | 3384660 |
| gtacaagcga | agagtttcct  | ttctgtccca  | gctggggata  | gaaactggct  | tcctctttcg  | 3384720 |
| attctttata | gaaccagggt  | gttatgtaat  | tgacgggtgt  | ctgcatggtc  | ttttcagggt  | 3384780 |
| aaatagtgtt | caatccatgt  | gttgatatcg  | tatcgttgcc  | ttatctgttc  | cggaaacttcg | 3384840 |
| gttacaggac | tttcaacaaa  | ctctttgatg  | ccttcaaggg  | aatcttctcc  | aaaaataaaa  | 3384900 |
| atatttttcg | gattgtagaa  | gtcataccgg  | cgaatatccg  | tgttattcgt  | tatcagtttc  | 3384960 |
| ttattataaa | ataaggcttc  | caccggacgc  | ctcgtcagtc  | ccacctgatt  | ggcttgattg  | 3385020 |
| atatctatga | cacatcgaga  | caaggagagt  | tgctcgagat  | actccggata  | agaaatgcct  | 3385080 |
| tccttggcgg | tattgggtat  | gataaaaatta | catttttagtc | ctttattttc  | cagcaatttc  | 3385140 |
| ttcagggtct | gtagtcttc   | cattcggttt  | tttgccagtc  | cgcagaagaa  | acagtcggag  | 3385200 |
| gtcacctgct | ccggtagcct  | ttcagaaggg  | tatctgaaat  | actggttcgt  | aaacgttatg  | 3385260 |
| tcgtattgtt | cggcatcttg  | gggatcgaat  | gtgctgagtt  | cgtatcccaa  | ttgccggatg  | 3385320 |
| gcttttaaat | ctttcgatgg  | atttttgaat  | gtcgtatgaa  | tcggattgca  | ataataaata  | 3385380 |
| taacatctca | ctccggcagg  | cagtaaagaa  | cggatcgcct  | tcagtacatt  | cacattacat  | 3385440 |
| ccttcgtata | tcaggatggc  | atctccggct  | ttggcctgaa  | gcattctatc  | caggatgtgc  | 3385500 |
| ttttcaaacc | aagtatataa  | aatcgttttg  | ggcagacgga  | tacgtcccac  | gagtaaggct  | 3385560 |
| cgtgtcaatt | gtttgatacg  | agtcttggga  | aagctcaaaa  | aatcgggaag  | atatacgatt  | 3385620 |
| cgttgttgct | gtcgggggtg  | cagcccgtcg  | aagatgaatc  | ggggagcact  | tacaatatac  | 3385680 |
| aatttaccgt | tcatgatact  | ttcttcttta  | gtaagtaatt  | catacactca  | tgcataattt  | 3385740 |
| cagcattgct | cagttgcatg  | attcccagat  | agcagatggc  | tgctaccaca  | atcttaatga  | 3385800 |
| taaatgtcag | tacgagagga  | cctcctgtga  | aggatgccac  | tattcctccg  | atgaaacagg  | 3385860 |
| ctacgagggc | cggcagcatg  | aaaggaagca  | aatcggacag  | tagcatgcga  | aacttgagac  | 3385920 |
| cgatgaaccg | atgggcataa  | atccgccaga  | tgaacagcca  | taggatgttg  | atacagacat  | 3385980 |
| aaactatcac | catttgttgt  | atgctgcctt  | tcatcatgat  | aatactcaag  | acagttatca  | 3386040 |
| gttgacgtac | cacttgatgt  | atgatattcc  | acatgtatat  | attcgatttc  | ccttggtctga | 3386100 |
| tgataagggt | ggaaaacaat  | gtgctgatcg  | gaataaaaagc | tcctccaatg  | cataaaaagtt | 3386160 |
| gcacagtgga | gatgcttccg  | atccattttt  | ctcctaccgt  | gatgaggatc  | agttctcggg  | 3386220 |
| taacggtcga | caagccgaac  | atggctggga  | aggcaatgaa  | tgctgtaaaa  | cgaagaattt  | 3386280 |
| ttcgaaatac | ccgcaattcg  | cgttcccggg  | cgtcacgtac  | tttgacaaat  | atgggctgtg  | 3386340 |
| caacactgtt | tagcataccg  | gtaatgaact  | gatgacctgt  | tgcatctcat  | ttatttgcct  | 3386400 |
| gattgtagtt | acctaccgac  | tgagaactaa  | aaaacttacc  | taatatacacc | gataagatat  | 3386460 |
| tattgtttat | ctggttggct  | atattggtta  | ttaaaatttt  | gctactgaat  | gagaatagcg  | 3386520 |
| gtttcaacgg | gctgaaatta  | atctgtagag  | tgggacgccca | tgaggaaaaa  | taccatgaac  | 3386580 |
| aaattgtaac | cactatgaga  | taggtgaggc  | tttgggtcgc  | aatgccccaa  | tatgaaaatc  | 3386640 |
| catagaaagc | caatgtgact  | cccagacatc  | cggatataat  | gtgtgcgagg  | attcccagata | 3386700 |
| cggcctgttg | gcgtactttt  | aggttacgga  | ataaataggc  | tccttgtagc  | gttccttagac | 3386760 |
| tggtatcgg  | tatggcaaga  | aagcaataac  | gggataatgg  | caatagtctc  | ggctccttgt  | 3386820 |
| aaaaatgagc | tatttagcggg | gcacagaaga  | ataaaatcag  | gtatgctgct  | atgccaataa  | 3386880 |
| atgtactgca | ccagaatacg  | gcgttgtagt  | cttcatgcct  | gatttccttc  | agattgacca  | 3386940 |
| atgcggcacg | gaatccgctt  | tcttgtaatg  | agtttcctat  | taaagtaa    | atcgtaagca  | 3387000 |
| tgctaccat  | accataatcc  | gacggagaga  | gcaagcgtcc  | cagtatgata  | ccgaatgcta  | 3387060 |
| agacgagAAC | ctgttgaacg  | ccgttggtga  | tggtcctcca  | caaaagtcct  | tttgcgggtt  | 3387120 |
| tttctttcag | tgattgttcg  | ggcatgtcac  | aatatttttag | aataatggat  | gtgggtagta  | 3387180 |

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|             |             |             |             |             |            |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|------------|---------|
| atgaaagcga  | agaatctcaa  | aagagtga    | aaa         | tttgagattc  | ttcgcttgag | tatagtttaa | 3387240 |
| aaagaatatt  | atttcacttc  | acttccgggt  | tttacttctt  | tcagtacaga  | agtaacggca |            | 3387300 |
| agtgaaccgt  | cgaagttctc  | ggcagacaga  | atcatacctt  | cacttaccag  | tccgttcttg |            | 3387360 |
| aactgacgtg  | gggcaaggtt  | ggcgatgaac  | aatacctgct  | ttcctaccag  | ttcttccggg |            | 3387420 |
| cgatagtgtc  | gtgcaatgcc  | gcttacgatt  | gtacggtttt  | ccagtccgtc  | tgcaatcttg |            | 3387480 |
| aatttcagca  | atttcttcat  | cttaggaact  | gcttcacatt  | ccaatacggg  | tcctacacgg |            | 3387540 |
| atatcgagct  | tttcgaattc  | ttcgaatgcg  | atagtcgggt  | tgataggatt  | agccttgtag |            | 3387600 |
| ttggctgctt  | cattagcttt  | tttcgtagca  | agcagtttgt  | ctacctgtgc  | ctgaatggcg |            | 3387660 |
| tcatcttcaa  | tcttttcgaa  | cagcaattcc  | ggcttggttca | gctgatgtcc  | ggcagccagt |            | 3387720 |
| aagtcgggtg  | gtcccagttg  | ttcccagtcg  | aagctttcca  | tattcagcat  | gtgacgtaac |            | 3387780 |
| ttctcactgc  | tgaacggcag  | gaatgggttcg | aaagcaatag  | caagggttagc | aaccaattgc |            | 3387840 |
| agagcaatat  | tcaagatggt  | agctacacgg  | ttcatatctg  | ttttggcaag  | cttccaaggt |            | 3387900 |
| tctgtatcgg  | cgaggtatth  | gtttccgata  | cgtgccaggt  | tcacgccttc  | cttctgtgca |            | 3387960 |
| tcacggaact  | tgaagacatt  | cagcagtttt  | tcaacttcag  | cttttacgtc  | ggcaaattct |            | 3388020 |
| ttcagtgttt  | cacggctcgta | gtcattcagc  | tcaccgcaa   | caggaacttt  | actttcaaag |            | 3388080 |
| tatttggttg  | tcaataccat  | ggcgcgggtg  | acaaagtttc  | cgtagacagc  | aaccaattca |            | 3388140 |
| ttgttggtgc  | gtgcctggaa  | atctttccat  | gtaaagtcac  | tgtcttttgt  | ttcgggagca |            | 3388200 |
| ttggcagtca  | aaacataacg  | caaaacgtcc  | tgtttgccc   | ggaaatcttg  | caggtattcg |            | 3388260 |
| tgcaaccata  | cagcccagtt  | gcgtgatgtt  | gagatcttgt  | caccttccag  | gttaaggaat |            | 3388320 |
| tcattggcag  | gaacattgtc  | cggcaaaatg  | taacttcctt  | ctgctttcag  | catggcaggg |            | 3388380 |
| aatacgatgc  | agtggaatac  | aatgttgtct  | tttccgatga  | aatggatcag  | acgtgtttca |            | 3388440 |
| gggtctttcc  | accatttctc  | ccatgagtcg  | ggcaataatt  | ctttcgtatt  | cgagatgtaa |            | 3388500 |
| ccgataggag  | catcgaacca  | tacatacagt  | acttttcctt  | cagctccttc  | tacaggaaca |            | 3388560 |
| ggaatacccc  | agtcaaggct  | acggcttacg  | gcacgaggct  | gtaatcccat  | gtccagccag |            | 3388620 |
| ctcttgcact  | gtccgtatac  | attaggacgc  | catttccttat | gatcttccag  | aatccattta |            | 3388680 |
| cgtaaccagc  | tttcatgttt  | gtcagagtga  | agataccagt  | gcttggtttc  | cttcatgacg |            | 3388740 |
| ggctggcttc  | cgctgatagc  | actttttgga  | ttgatcagtt  | cggtaggaga  | aagtgtactt |            | 3388800 |
| ccacatttct  | cgcactggct  | accgtaagca  | ccttgtgtgt  | ggcagcgagg  | acattcaccg |            | 3388860 |
| gtaataatac  | ggtcggcaag  | gaatgtatga  | gcttcctcat  | cgtaatactg  | catggaagtc |            | 3388920 |
| ttttcgataa  | attctccttt  | gtcatacaat  | ttacggaaga  | aatcggaagc  | tgtatcgtga |            | 3388980 |
| tgaatttttg  | aagaggtacg  | tccgtaaaca  | tcaaatgaaa  | ttccgaattc  | cttgaatgag |            | 3389040 |
| tcacggatca  | acgtatgata  | gcggtctacg  | atatcctgtg  | gagttactcc  | ttctttcttt |            | 3389100 |
| gcgcggatag  | tgataggtac  | tccatgttcg  | tcagaaccgc  | caatgaagag  | cacatcttct |            | 3389160 |
| tttttcaggc  | gcagatagcg  | cacgtaaata  | tcggccggta  | cgtaaaccac  | tgccaaatgg |            | 3389220 |
| ccgatatgga  | ccggaccgtt  | ggcataaggc  | agagccgaag  | tcacggctcg  | tcgcttgaat |            | 3389280 |
| tttttttcca  | tatacgtata  | tagtttattt  | tgagttgcaa  | ccttacgatg  | cgcaaagata |            | 3389340 |
| aggattattt  | gggaattatc  | atggatagaa  | ggagggttaag | cgaacattct  | cttccctttt |            | 3389400 |
| tatccggatt  | gtattttcat  | tgcaggaaag  | atagaaattt  | tcttaaagag  | tttggaatgg |            | 3389460 |
| cttggaaacat | atgatattga  | ttgttggtta  | aattgcttag  | cagactgtag  | ctgattgaat |            | 3389520 |
| ttgttgcgac  | ctttttgtag  | attttttatt  | atcgtacaaa  | ttctttataa  | taatgacttg |            | 3389580 |
| ccatacgata  | aatctatgta  | attttaactg  | ttggaataat  | tgcggaattt  | tttttcgtgt |            | 3389640 |
| ttcttagttt  | tatgaattga  | ttttcaatga  | tttggttaaat | attaaatttg  | atacaatgaa |            | 3389700 |
| acatctgatt  | ttagtaggta  | tgggtgtggct | atgtagctta  | gtttcgggtg  | tagctcaaag |            | 3389760 |
| cgttccacaa  | gtaatccctg  | cgttgcagca  | atggcaacca  | gccaaaggta  | aactagtctt |            | 3389820 |
| gccggaatcg  | ggcaaagtga  | ttgtgtcctc  | ggatgaggaa  | ggaatattga  | agcagagtgc |            | 3389880 |
| tgaaatatta  | gtgcaagatt  | tgaaagaaat  | gtttggctgg  | aattaccgtg  | tgggtgttgg |            | 3389940 |
| taaaaaggag  | aaggagctg   | tttatttgac  | attaagtaaa  | cgggacaaga  | cgttgggtga |            | 3390000 |
| cgaaggatat  | cggatggata  | ttcgtaatgg  | gataaccatt  | gaggcgccta  | cttccaaagg |            | 3390060 |

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|-------------|------------|-------------|-------------|-------------|-------------|---------|
| agtatttttg  | ggtacacgaa | ccttattaca  | gatgattcat  | aatcagccgg  | aagggttaat  | 3390120 |
| gaagggactc  | gccacggatt | tcccgttgta  | tccgaatcgt  | ggatttatga  | ttgatgtagc  | 3390180 |
| tcgtaagttc  | tttacgatgg | attacttacg  | tgattatgta  | aagattcttt  | cattttataa  | 3390240 |
| attgaacgaa  | ttgcaggtcc | atttgaatga  | caatggattt  | gtagaatttt  | tcggaaatga  | 3390300 |
| ctggaacaaa  | acgtatgcgg | ctttccgcct  | ggaaagtga   | cgttatccgg  | ggctgacggc  | 3390360 |
| caaggatggt  | tcctatacaa | aggctgagtt  | tcgggatttt  | cagaagatgg  | cagctactta  | 3390420 |
| tggggccaat  | gtgattccag | agattgatgt  | gccggctcat  | tctttagctt  | ttacacatta  | 3390480 |
| taatactcga  | ctggcagctg | ataataaggc  | gtacggatg   | gatcatctgg  | atttgtataa  | 3390540 |
| aaaggaagtc  | tacgattttg | tagattctct  | cttcgatgaa  | tatttgtcgg  | gtgaagatcc  | 3390600 |
| ggtattttgta | ggaccggaag | tacatatcgg  | tacagatgag  | tataatgtga  | acgagtctga  | 3390660 |
| acagtttcgt  | cgtttcacaa | atcattgcat  | ggattttgga  | gctaaatatg  | gtaagatgcc  | 3390720 |
| gcgtttatgg  | gggagcttga | aaataatgaa  | aggagaaacg  | cctgtcgact  | tgaagggaaa  | 3390780 |
| ggctgtgagt  | gcctggaatt | ataactggat  | ggatgtgaat  | acgtgtctgg  | aagcaggggc  | 3390840 |
| caaagtgggtg | aatctttgtg | actggctttt  | gtatctgggtg | ccggccgtaa  | attattatca  | 3390900 |
| tgattttttg  | gattatcaat | ggttatacga  | atcctggatg  | cctgaaatga  | tgaggaagga  | 3390960 |
| cgatccaaaag | gttgaaaagc | gtaatccaaa  | tttcttgga   | gctatgttag  | ccgtttggaa  | 3391020 |
| tgaccgggta  | ggtaatggaa | ttagtcaaca  | ggatgtgcac  | gcccgtactt  | ttccggcggt  | 3391080 |
| gcaggttggtg | tgtgaaaaga | tgtggaaagg  | tgaatgtga   | cagcatgtat  | cgatgtctca  | 3391140 |
| gtttgaagca  | ctttgtcagt | caactcccga  | ggctccgggc  | gtgaatttgc  | tggcgaaggt  | 3391200 |
| tcctcggcgt  | acggtattaa | tggatacaga  | taaagagata  | acgctttcgg  | gtacggatgt  | 3391260 |
| agtgacaact  | tctgtcgatg | agatcggtta  | tccttatgcc  | gtagagtttg  | aaatttgtcc  | 3391320 |
| ggattctatt  | ccgaatattg | atgctgtctt  | gtttaagggg  | cctcattcag  | aattcgtgac  | 3391380 |
| caactggcaa  | aatacaggta | agtttgcttt  | ccgtcgtgac  | gggtatgaat  | ttgtatttca  | 3391440 |
| tgcttatcgt  | ttgcctgaaa | gcaaattggac | aaaagtacgc  | gtggaagggtg | atgtaaaagg  | 3391500 |
| gacttccttg  | tttatagacg | gacaacttca  | ggaaagggtg  | gaaggacgta  | taggtgaagt  | 3391560 |
| gtttaatgcg  | aaaagtcaga | aaaaagaccg  | catctggtac  | caggaaacgt  | taatattccc  | 3391620 |
| attgaagcaa  | ttaggagata | ctcaaattggg | atttaagggg  | aagatgaaaa  | atgtagtatg  | 3391680 |
| tattccgcgt  | tagtatgctt | tctgtgactt  | aaaaaaaaacg | gctatctgaa  | atcttcacag  | 3391740 |
| acttcggata  | gccgtcacat | tcaatcgtga  | attagccttt  | ccccaatccc  | catttcatag  | 3391800 |
| ccgcaaagggt | aagttgttgt | tttactttgt  | agcggcatta  | tattcagatg  | tgagagaagc  | 3391860 |
| aagcaaatga  | ctgtcaaaat | tccctttgtg  | gagaaatgtc  | ttcatcacat  | tcttcataga  | 3391920 |
| gggttatttc  | ttcagtatat | tgattgggtg  | ctgcaaatgc  | agtatatcgt  | gtgtttttatc | 3391980 |
| tactccactg  | gcaacctcta | cgtcttgtgt  | tgctttaatg  | tcgcgggaag  | aagatcctat  | 3392040 |
| tgaaaactta  | taagtacctg | aatcggttac  | ccatgcagaa  | gtactttcat  | tgtaagaagc  | 3392100 |
| cagatcgaat  | gtcttgacag | tcattgtaac  | agatgtcgtt  | tcgcccgggt  | tcaattcttt  | 3392160 |
| agttttggca  | aaagccttca | attctttttc  | cggtttgttc  | aagtcacctc  | cttgaggagc  | 3392220 |
| agaaacataa  | agttctacga | cttctttttc  | tggtaatgtg  | cctgtattct  | tgacatcgac  | 3392280 |
| tgtaactgta  | taggttccgt | tttctgcctt  | aacttgcgga  | gttccatatt  | cgaaggttgt  | 3392340 |
| atacgacaaa  | ccgtatccga | atggataaga  | aacttgtttg  | ccgaagctgt  | cgaagtaacg  | 3392400 |
| gtaaccaaca  | tagatatctt | cttcgtaatc  | ggtatagtcc  | cataacttca  | cttcgctctt  | 3392460 |
| cttttctttc  | gggtcagtcg | tgtaagact   | actcatagct  | ccttctgtcg  | ggaagtttagc | 3392520 |
| tgaagaggct  | gcatcctcaa | attttacagg  | gaaagtcatg  | gtcagttttc  | ctgatggata  | 3392580 |
| agcttttccg  | ctcaggatat | ctgctacgct  | gttaccgcct  | tcctgtcctg  | cctgccaaagc | 3392640 |
| gcagagaatt  | gcatccggca | agtttttcca  | tgaactgggt  | tcgataactc  | caccgatatt  | 3392700 |
| caggataact  | actactttct | tgcctgctgc  | atggaatgct  | ttacatacat  | cgctgataag  | 3392760 |
| tttggtttct  | tccttagaca | agttaaagtc  | ggaaaccttt  | ctgtcgagga  | attcacccca  | 3392820 |
| catacgtcct  | aacgtaatca | ttgctatgtc  | ggtttgagct  | gcgtagtgtg  | ttactgact   | 3392880 |
| tgccggcaat  | tccatttctg | ttggaagcgg  | agttggtaag  | aatttaacca  | tcggattatc  | 3392940 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
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| ctcttcatta  | acctggaaat  | tcgcattttt | cagtccgtca  | agcagcgaaa  | cagtatatgc  | 3393060 |
| acggttttacg | ttacctgagc  | cagttcctcc | tgcaatgaaa  | ttgtaagaag  | tgacagccaaa | 3393120 |
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| taccataccc  | tcggtagcag  | actgacgggt | aattttggca  | tgagcctgca  | aatccggttt  | 3393240 |
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| cacgtttgtg  | ttcaatacgg  | cttcgtccag | tgttcctttc  | tttacggcat  | tgacaatggc  | 3393360 |
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| agcatcctta  | cctccgaacc  | agtctgtcat | taccatgcct  | ttgaatcccc  | attcatcacg  | 3393480 |
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| gatttcacgt  | aaggctctgg  | gtgatacatg | tgcatcgaca  | gccatacggg  | tgctttcctg  | 3393660 |
| attgttttacg | gcaaagtgtt  | tgatagatgt | acctactccg  | ttgctttgta  | cgctctcac   | 3393720 |
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| tccgcacaat  | ggattacgat  | gaatgttcag | tgctgggtgcc | agcaatacgt  | cggctccata  | 3393840 |
| ctccagaact  | tcattttccga | tggctttacc | cacattctct  | accagttcct  | gggtcccatgt | 3393900 |
| agatgccagt  | aatgtttccga | tagggaagtg | tgtacagtaa  | taagtggcag  | agtcaccttc  | 3393960 |
| acgggttggg  | tcgatacgca  | gtccggcagg | accgtcggcc  | agtacgacag  | ccgggatacc  | 3394020 |
| cagtcgttca  | atgggataag  | ttgttcgggc | agcaccggga  | acgagtttct  | ttgttttgcc  | 3394080 |
| gataacagca  | ctatcaccgg  | agaagccagc | cattcctgta  | ccgactacca  | gatgagcttt  | 3394140 |
| ttcttccaaa  | gtcatggcat  | tgatgacttc | atcaatcgtg  | gcctgtccca  | gttgaggaaac | 3394200 |
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| tttcataatt  | agtttagatt  | atttgaacaa | taaagggtaca | aattctgtca  | ggtatacacg  | 3394320 |
| ccaattttctc | cagatatgtc  | ctccatcggg | ttccatataa  | gtatattttgt | accctttttc  | 3394380 |
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| tatccagtac  | agacgaggtg  | gattgctgaa | ctgggtagca  | agcttctggg  | cgatattctg  | 3394500 |
| atatacatcc  | gagatattat  | tctttggatc | tatttgtttg  | ctgggtgcag  | ccgagaacaa  | 3394560 |
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| aacaaatttc  | atgatatcag  | ggaaggcctt | ttcaatttct  | ccgtccattg  | ttttcggatt  | 3394740 |
| catgaactga  | ggcttaacca  | tgctgttagg | tgccgctcct  | ggagctgcct  | gctgtgcacc  | 3394800 |
| gtttccggtc  | ggcatgacga  | caatcatcgg | ttctgcttta  | ccctgagcga  | tgagattatc  | 3394860 |
| cataatctgg  | gctgcacgtc  | cttgctctac | ccatgcgttt  | tcatcaccac  | cggctccatg  | 3394920 |
| caacagggtat | aataccgggt  | atttcttact | gctgctttca  | tatccggcag  | gagtataaac  | 3394980 |
| cgtaagacgg  | cgttccatac  | ccaacgtcgg | actgctatac  | catactttcg  | atacgggtgcc | 3395040 |
| atgtggcacg  | tcttgtacca  | tgtataaatc | ggcctgtccg  | tttccaatca  | ggaaatagtt  | 3395100 |
| ggtaatgggtg | gcaatgtcac  | ggttctgata | gacattgctg  | ggatcgggtg  | ttttgaaatc  | 3395160 |
| gtttacatag  | accgagtaat  | tgtacatttc | gctgggcaat  | accgatgagg  | tatattccca  | 3395220 |
| taccccgttt  | ttaccttctt  | tcagctgcac | tcttcccggg  | gcctctactt  | cgccgaacgg  | 3395280 |
| tgtttttatt  | ttctgtgtag  | gcaggaaatc | tccttcaatt  | tctaccttcg  | aagctttggg  | 3395340 |
| agccagaata  | cgggaaggta  | cagaattatc | tttgttttatc | tgaggggaga  | cgatgtcgcc  | 3395400 |
| tccaccccat  | aaagcttggt  | gtgcatatcc | agacaggctg  | aataacaatg  | cacttgcata  | 3395460 |
| taaaactatt  | tttttcatac  | gtgtaaatgt | tttttagttta | ttcaaattac  | catcccgggt  | 3395520 |
| tttgtgtcat  | attcgggttc  | agtgcatttt | ctttttcagg  | aatcggtaag  | agttcgttct  | 3395580 |
| tgtttttcgt  | gaagccgtaa  | ccttgctggg | tgacgaaacc  | gtctttctta  | acaacaggat  | 3395640 |
| ctgctgaagt  | cgatttgctc  | attaccaatg | atggtatata  | atgtcctttt  | tctttcagta  | 3395700 |
| ccgtttctgc  | atctcccag   | cgtatcaagt | cctggtagcg  | gacaccttcc  | atgcacagtt  | 3395760 |
| ccagacgctt  | ttctgtttta  | atatcatcca | gagtaacatt  | agacaatgga  | gctaactgag  | 3395820 |

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|            |             |            |            |            |            |         |
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| catgagcttc | ggctgccatc  | agtaagactt | ctgcatagcg | catgaagcgc | aaattgatgt | 3395940 |
| attgatagaa | ctgaagtccg  | gggttatcgt | acatacagtc | ttctttcaga | gcgcggtatt | 3396000 |
| tccatgaaaa | atagccttcg  | ttacctacca | tgatgttacc | gtctcttaat | gagattccta | 3396060 |
| aactttccaa | ttgtttatag  | gtaatgatag | tctgggtcaa | gcggtaacca | tcggcagttt | 3396120 |
| cttcagctac | aaatgcatca  | tacagtgatt | ttgtaggggt | accgaaaccg | tagcagcctt | 3396180 |
| gtgaaaaggc | tgaggccgac  | tggcaaaaat | tgagcattga | ggaacgccat | cccagcatac | 3396240 |
| aatatagctg | agtaaactgg  | ttccacattt | gttcaggggt | attgcgcata | tgtgcttcca | 3396300 |
| gaatggattc | tctacaattg  | ttggctttta | cgtgtgcaag | atctccgtag | tcaccctgat | 3396360 |
| acaacccata | tttgccggaa  | gcaattactt | tatccagaat | attggcagct | tcgctgtatt | 3396420 |
| ttccctggaa | taggtaagct  | ttaccagat  | atgccatggc | agcttccttt | gttactctga | 3396480 |
| tgggtgttac | atcatcgtct  | atattctctt | ttgacggcag | gtcgtctggc | ccatcgggat | 3396540 |
| ctcctacggc | tgcgttcaaa  | tctgattcaa | taaatgccca | taattcttct | accggcgtat | 3396600 |
| ttcctttcct | gtattcatcg  | gtagtcaaca | gatggtctac | tttaggtacg | cttccccata | 3396660 |
| aagtaaccag | ttcgaagtat  | gagaaagcac | ggaaaaat   | agcttcggca | atggcccggc | 3396720 |
| gcttgacttc | cgtatccggg  | gctactttgt | caattatcag | attggcattg | tatacgatag | 3396780 |
| tgtataaacc | tgaatacaga  | ctggtaatca | taccgtgggt | tgaaccgaat | gtcatttcgt | 3396840 |
| tcaggcggtc | catttctccg  | ttatcgccct | gtgaacctcc | acctgtatac | atgtcgtccg | 3396900 |
| acagcaggtt | ctttacaaag  | aaccagttat | aatgttgtga | tctgacagac | agatacagag | 3396960 |
| ccgcagcagc | agattctgct  | tcacgtctct | tctggtaata | tgtttcctga | cttcctacat | 3397020 |
| caccatgttt | tgcaatattg  | agtctgtctt | cgcacccggg | agtcagtgtc | atgcaaaaca | 3397080 |
| ttcccgcagc | aagtgtctata | tatagtttct | ttttcataat | ataattcaat | taaaattcaa | 3397140 |
| cattaaagcc | taacataact  | ttctttgcgc | ttgggtaggt | acccatatca | atacccatac | 3397200 |
| cgcttgtagc | gtttgcagaa  | gcttcaggat | cgaagcccgg | ataactgggt | aaagtaaaga | 3397260 |
| agtcttccag | cgatacatac  | aaacgcaggt | tgttgatgaa | tactttgttt | atccattgtt | 3397320 |
| tgggtaatga | atatcccaac  | tggatttggt | taattttgaa | atatgatccg | ttgaatacca | 3397380 |
| ttgcgtcggg | tacgggtatat | ttatccagac | tcagggcatt | ggctctcgga | gcgctggcgt | 3397440 |
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| catggtccgg | acggttgatg  | caactgaaga | tatcgtttcc | gtagctacct | gaaccgaata | 3397560 |
| cggtaaagtc | gagacctttc  | catgcagcag | tcagtgtgat | accatatgta | aagtctggaa | 3397620 |
| tggcatcgcc | gatgtaagtt  | ttatcatctt | cgttgataat | accgttggtg | tccagatcgg | 3397680 |
| caaaaatcgg | ttctccatct  | tccgggttga | taccttcgca | gtgataaccg | cggaagtagt | 3397740 |
| aaaccggata | tccttcttcg  | aaataggtaa | ttgtatttgt | atggaatgta | gttccactag | 3397800 |
| ctctggtaag | tgacggatcc  | agataagtaa | ctttgttctt | caagggtgcc | agatttctct | 3397860 |
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| ttgtaccagt | gataagcaag  | tctttagtct | tcttgtttaa | ccagtccata | gaaagagtca | 3398040 |
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| tcaattcatc | gttacctaag  | ctgttcggac | gaataacctg | tgtatagtta | ttacctggaa | 3398160 |
| cgaacggata | atatccggct  | gttaccatgg | tagttccgta | accgtaaagg | ttgcttgcta | 3398220 |
| atgcagcaag | gctaccattc  | tgtccccagc | tggcacgtag | tttcaggctt | gatactacat | 3398280 |
| ctctcaacgg | agtgaagaag  | ttttcttcag | agatagtcca | tccggcagat | acggcagggg | 3398340 |
| agtatcccca | gcgtttttcc  | aaaggaaggt | aagacaaatc | ggctgcatcg | gcacgaagtg | 3398400 |
| aagcttgcaa | catatatatt  | ccggcaaagt | catatcctac | acgtccgaaa | tatgaatatt | 3398460 |
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| gataccagaa | tgacggatct  | ctgttggtga | tggcatctgc | tccgtttgcg | ctgaatccac | 3398580 |
| tggtaatgta | gtcgtatgta  | gattcctggg | aagacatacc | caacatggcg | ttgatgggat | 3398640 |
| gtttatcgaa | agtcctgatg  | tagttggcga | agttttccca | ctgccaatag | atagaagtg  | 3398700 |



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| ggttgactgt  | tgaagaacga | gtaccagaca  | agcggtaacc  | gaaacgtgag  | gtaaatacga  | 3398820 |
| atccgtcgaa  | tggtttcagt | tctccgtata  | cagaaccgtt  | tacattgaat  | ccactgtttt  | 3398880 |
| taggtacagt  | attatcgcg  | ataatcatcg  | gatgataatt  | ctccgattct  | acaaagtgtg  | 3398940 |
| aaactgcata  | gtaatttccg | ttttcatcgg  | tcagcagtgt  | cttgccgtta  | tcgagtgcag  | 3399000 |
| cctgcatgtt  | agcaggaagg | ttgtcaggac  | tatatgtgct  | gggagtcagc  | gggtcgagct  | 3399060 |
| ccatgacagc  | ctggaagaag | ctaccatacg  | cattattgcc  | cgacagtttg  | cggttaattgt | 3399120 |
| atTTTTcaat  | ctggttgggt | gttccctactt | tttaaccagtc | tttaattctga | taattctgcgt | 3399180 |
| tgacagaacc  | tgtcagacgt | ttgtagaagt  | ctgcatctcc  | tctgacaata  | ccattgtttgt | 3399240 |
| ccagatatga  | taaagaaaga | taatagtctc  | ctttttcatt  | tccattagag  | aatgacacgt  | 3399300 |
| tatgctttttg | catctggcct | ttgcaaata   | ctacatcagc  | ccagttggta  | tctgtaacac  | 3399360 |
| catcccagtc  | gttgtaaatc | tttgactgtt  | cgaatacgtc  | accttctacc  | atgtatgtag  | 3399420 |
| catattcctc  | tgcattcatc | agcttcggca  | ttttgccaa   | tgactgaatg  | gagtactgga  | 3399480 |
| agtcgtaa    | gacttttcc  | tgtccggttt  | tgcccttttt  | ggtactaatc  | agaataacac  | 3399540 |
| cgttaccagc  | ttctgcacca | tagatagcag  | ctgaagctgc  | gtccttcaat  | acttcgatag  | 3399600 |
| aggcaatatc  | attcgggtcg | ataccgaaa   | tgtcagaaag  | acgtacaccg  | tctactacat  | 3399660 |
| aaagagggtc  | tgaagccaca | tttgaagaaa  | aaccacgtac  | acggatgggtc | ggtgcttccc  | 3399720 |
| ccggagcagc  | agaggaagaa | attacctgta  | cgccggaagt  | cttaccttgc  | agtgccgact  | 3399780 |
| gtaccgtagt  | aacggaacgg | ttttccatat  | cttctgcttt  | tacttgcgag  | atagaaccgg  | 3399840 |
| tgactgaact  | ttttttctgt | acaccatac   | ctacaaccac  | aacttcattt  | agcgtctgtg  | 3399900 |
| tatcttcttt  | caaagtaaca | ttcagtgaag  | actggtttac  | aggaagctcc  | tgagttgtat  | 3399960 |
| aacctacata  | agagaataca | agaacatgtc  | cttttaggaac | attcaatata  | taattcccgt  | 3400020 |
| cgaagtcagt  | aattgtaccg | ttggtcgtac  | ctttttcaag  | cacacttaca  | ccgattaaag  | 3400080 |
| gttctttgct  | ctttgcatcc | agaacctgac  | cttttacggt  | aatactttgc  | gccaatgcag  | 3400140 |
| atgatagtcc  | catccacata | accagaacaa  | taaaggcaat  | cgctctgggtc | cattgtttgt  | 3400200 |
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| atTTTgaaat  | gaactgcac  | agttctttgt  | cttgattgta  | tttgatctcg  | ctttggttgt  | 3400320 |
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| cttgtgcatc  | tttacctcca | cctgtcattg  | aggcgcacgc  | agcgatgttg  | tcgaaaacaa  | 3400500 |
| aagctatttc  | catgcaatga | gtagaacgga  | gaattccatc  | cattacgggt  | gattcccatg  | 3400560 |
| caaactgata  | catgtaaaca | ggagcggcgt  | gctgggcagc  | tttccagttt  | ccttgttcga  | 3400620 |
| ttgctgctgg  | acggaatgtt | acgtcaaaat  | cgatcatgtc  | ttgaggagtc  | gcagccggat  | 3400680 |
| atactTTTT   | gaatatttcg | atatagttat  | cggctcttct  | tccatattta  | gctttcagca  | 3400740 |
| tttcttttgc  | ctgatcaaga | gttgcatctc  | tcagttcggg  | aacatatgta  | ctgatacaga  | 3400800 |
| actcatgtaa  | ggttgtagcg | atcatcattg  | gaatatcttt  | tgataattcg  | gcttgctttt  | 3400860 |
| cgggctgttg  | ggggaggatg | tttccgtcaa  | cggtaggtcc  | ccatccgaat  | ataaaaagaat | 3400920 |
| ggatgccctt  | tttttcgggt | tctttgcgga  | cattggctat  | tgcttttttcg | cctgcagcca  | 3400980 |
| gtaatgtttt  | ataaggtatg | gtctgaagtt  | tatcaatctc  | ttcagctttg  | atactcagtt  | 3401040 |
| cttctaagt   | agccgcagct | atcctttgag  | agtatttgct  | ttccattgtc  | cgctgcatgg  | 3401100 |
| aaccactttg  | tacgatggct | ttttggaaaa  | gaccttttgc  | agagggagta  | gcgagtagtg  | 3401160 |
| tagatacttt  | tcctccgcca | cctgactgtc  | cgaatatggt  | gacatttgat  | gggtcacctc  | 3401220 |
| caaagtTTT   | aatattttcg | tttaccagc   | gaagtgcagc  | taccagatcc  | agcaaaccta  | 3401280 |
| cgtttacact  | ttgggcatac | ttacctccgt  | aagctgataa  | atcgagaaaa  | ccaagtacgt  | 3401340 |
| ttaatctgtg  | gtttaaggtg | actactacga  | catcaccttt  | tttgataaaa  | gctgctccat  | 3401400 |
| cgtaggaagg  | taattcctgt | cccgaaccag  | ctgcataacc  | tccgccgtga  | agccatacca  | 3401460 |
| tgacaggacg  | ttttttgcca | tcttttaatc  | cttgagtcca  | gatattttacg | cgtaggcagt  | 3401520 |
| cttctccagg  | aaaaccgtcg | tcccagttga  | aagcgaatgc  | ttgttcatcc  | gactgccatc  | 3401580 |

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| attggtcggg  | ggctacgggt | ggcatgaacc | gttctgcttt | agcgtaggga  | atacctttaa  | 3401700 |
| aggtaaagat  | attgttttca | aggtaaccgg | ccactttccc | atattgggtt  | gatgtgatgg  | 3401760 |
| caatattcga  | cgatgcggtg | atttcatcac | aaggttcatt | gtatttggtg  | gcagcatgta  | 3401820 |
| tattgccggc  | atagagtccg | agcactgcca | tgaaaatgaa | ggtaggtaat  | ttgtgcttta  | 3401880 |
| tcataggttt  | attgttttag | gttttccgtt | tgcaatatta | cgatgttctt  | ttctctacaa  | 3401940 |
| ttattttatt  | tatttttaaa | gtttgttttt | acgttcagtg | gccttggttt  | atttgtttaa  | 3402000 |
| atgtttatct  | aaatgttcaa | aaactgcttt | gcagatattt | tccgcctcgt  | ttttttgtta  | 3402060 |
| tatttgtatc  | tgtaaatttg | ttactaata  | gtacttaaaa | tgagaatatt  | aagttttctg  | 3402120 |
| tctttccttt  | ttttattgct | ttcttgcggt | aaaacagaga | agaacttgct  | tacagatacg  | 3402180 |
| gaaaggcaaa  | gtccccttgt | tacgaatgat | atatccaacc | agcagattac  | ggcattcggg  | 3402240 |
| gaagatgaaa  | aaggccatgt | ctggattggc | acttttcgcg | gattgaataa  | atttagtggt  | 3402300 |
| aacgagtatc  | atcaataact | ttgtacggac | gattctcttg | atattcccga  | caatcatatt  | 3402360 |
| caagatatct  | ttctggattc | aaaaaaacgt | ttgtggatat | cgacagtga   | cggaatctgt  | 3402420 |
| ctgtataccg  | atgaagataa | cttcaagaat | attcgtttga | gtggaggaaa  | caagaatggc  | 3402480 |
| attcgtatct  | cagagtcttc | caagggaaag | attctgttga | cgacgatgag  | taatatatgc  | 3402540 |
| ctgtatgatt  | cactggagga | gcgttttgat | cctgtcgttt | atgattttga  | tacttcgtat  | 3402600 |
| gtcttcaaca  | gttttctgga | tgcgcaagat | aattgctggg | taatcacttc  | caaggagtta  | 3402660 |
| cgggtgtatt  | cgttgtctga | ttaccggaga | acattttcga | cggcatgcga  | tgagttttgt  | 3402720 |
| catagcgctt  | atttgtttaa | aaatggggaa | ctatggatag | cgggaaacca  | gtctttatct  | 3402780 |
| gtattcgatg  | tgaagcaacg | taagtatgtg | gctttacctg | cggcaatcgc  | ttcacatccg  | 3402840 |
| gttttatctc  | atgtgcctgt | cgattatgtc | tacccttacg | aaaatggtgt  | cttgctctgt  | 3402900 |
| acacagagaa  | aaggatattt | ttattacgac | cggactacaa | agactgtcat  | tcatcaagga  | 3402960 |
| gaaaacgggt  | tcccttttga | agtgccgaat | tttaagatca | gccgtatgtt  | tagcgattca  | 3403020 |
| cagggaaatt  | tatggattgg | ttcagtcgat | cagggatatg | ttgtacatta  | tcgttataag  | 3403080 |
| aagctgttca  | ataataatag | ttatcttagt | tcctttttta | aagataaatc  | ggttatctcg  | 3403140 |
| ctgtctgctg  | ataaaaaacg | gaatctatgg | attgctactt | tgatggacgg  | aatatatgtc  | 3403200 |
| tatcagtttg  | ccgaccagcg | gctggaaaga | atcgagcatc | atgaactttt  | tcatggaaat  | 3403260 |
| gaagaaaagta | cggcctatat | caatcaggtg | tatgtgagta | aggtagatga  | aaccgtctgg  | 3403320 |
| atgacaacaa  | cttccggaga | ggtcctaagg | tgtagctatg | aaaatggaga  | ttttcgggta  | 3403380 |
| aacgaacgtt  | atccggttgt | tatgcccatt | tctatcgtag | aagatgaaaa  | gcaaacgata  | 3403440 |
| tgggtaggct  | ctgccagtcg | ttttttatgt | atattgccta | aaggagataa  | gagttttcat  | 3403500 |
| accttacctg  | tttttaattg | ttatactttt | attccgggac | ttttacctgt  | gggcgacgga  | 3403560 |
| aatatgttgg  | ttgtctgatt | caacgaacct | ttggaattgc | tttcttccga  | tggaagcaa   | 3403620 |
| tatggattta  | atatgaacaa | gcaggatttt | gagcgttgca | tacgccgttc  | tgtctttatt  | 3403680 |
| ccgaccgatt  | tatataaaga | tagctatggg | catatatgga | ttggaatggg  | aagtaacgga  | 3403740 |
| ttgatgtgtt  | atttctccga | gtcgggaaag | gtaacttcct | tgccgggaac  | agcttgtaca  | 3403800 |
| gatatttcca  | gtatagagga | agacaagcag | ggaaatctgt | ggataagtac  | attgtacgga  | 3403860 |
| ctgagcaagt  | atatgcctca | gacgggtaag | ctggtaaatt | attatgaagc  | cgacggattg  | 3403920 |
| ggtggcaatc  | agttctacga | cagagcttcg | tgctcagttg | atgatggtac  | gcttggtgtc  | 3403980 |
| ggaggaactc  | acggactgac | tattttccag | ccaaccgaca | tgccgggtcag | acaccatatt  | 3404040 |
| ccgttacttt  | ttgaagatat | aaaaatacat | aatgtgctgg | tccgtcccgg  | aaaggggtgca | 3404100 |
| tgcacgcacc  | gccatttgtc | gtataatccg | gatattaatt | tgaagtacga  | ccagaatggc  | 3404160 |
| ttcagcatct  | cgtttgccgc | actcgattat | agtgaagcgc | agcgtatgca  | ctattattat  | 3404220 |
| aaactggacg  | ggttcgaccg | gtactggatt | gatgcccata | ataataaaga  | ggcttattat  | 3404280 |
| gctaacttgc  | ctgccggaag | ttatactttc | cgggtcaaga | ttactcggaa  | cgaccagagc  | 3404340 |
| acaattgtcg  | gggaaaatgc | tatccgggtg | ataatgcacc | ctgctccctg  | ggctacctgg  | 3404400 |
| tgggcttatt  | gctgttatct | gatagttgga | attgctatat | tgggattctt  | tataagagat  | 3404460 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| gtcaaacgaa  | tccgtgcaga | aaaacaggcg  | gcactgcttg  | ccgaacgggc  | aaaagagcag  | 3404520 |
| gaacaattca  | tcaataagat | gaatatgagt  | ttcttcgccca | atatatccca  | tgaattccgt  | 3404580 |
| acgccgctca  | ccatgattgc | aggtccggtt  | tctttattat  | atagtagtcc  | ggacattact  | 3404640 |
| ggcaataaca  | agaacttgct | gcgtattgtg  | cagcgtagtg  | taaaccggat  | gctgaggctg  | 3404700 |
| gtaaaccaga  | tgcttgattt | taacaaactg  | gaaaacgata  | cactgaaatt  | gaaggtagct  | 3404760 |
| cctaccgaag  | ttatcgtctt | gttgaaagaa  | ttgacggata  | ttttccggat  | taatgctgaa  | 3404820 |
| aataaatcta  | tcacactggc | taccagtgga  | ctggaaggca  | gtttcattgc  | ttggatcgat  | 3404880 |
| gaggataaaa  | ttgacaagat | atttaccaat  | ctgatgtcga  | atgccttgaa  | gtatactcct  | 3404940 |
| gtaggtagac  | gtatttatgt | gaatttcgat  | gtcatatcgg  | gagaggaagg  | tacacagtct  | 3405000 |
| ataaaaatag  | aagtaatcaa | taccgggcag  | attgcggaag  | acaaactgga  | gaagatatct  | 3405060 |
| gaacggtact  | atcagatttc | ggatgagcat  | ggaggagtat  | ataactgggg  | tacagggtatt | 3405120 |
| ggactttact  | atgcgcgtag | cctggctaaa  | ttgcatcatg  | gtactctggg  | cgctgccaat  | 3405180 |
| ttggaagggtg | agaaaaaagt | ggtattttacg | ttgaccgtac  | cggttagtca  | gtctgcttat  | 3405240 |
| tcgggagcag  | aacgagctca | tgaacagggtt | aaccagttgg  | aagctttccc  | gttggaagat  | 3405300 |
| aatacacctc  | cagtgaagcc | tgttgacagag | gccggtgaagg | agaaaaagac  | aatcatgggtt | 3405360 |
| gtagatgatg  | attccgaggt | tgcttactat  | ctggaaatgc  | tgctgaatgc  | cgattatcag  | 3405420 |
| gtaatctgcc  | ggtttaatgc | ggaaagtgcg  | ttggaagcca  | ttaccgaaca  | tgcacccgat  | 3405480 |
| ttgattctga  | gtgacgtagt | gatgcctgga  | aaggatggct  | actggctttg  | tcgggaagta  | 3405540 |
| aaggagagtt  | tgacgtctg  | ccacattccg  | gttattctgg  | ttacggcaaa  | gacgactatc  | 3405600 |
| gaaaatcagg  | tggaaggact | gaatgtcggg  | gctgatgcgt  | atgttacgaa  | gcccttcgaa  | 3405660 |
| ccgcattatc  | tgctggcact | tattaaatcg  | ttgctcaata  | atcgcgaaaa  | gacacgtagc  | 3405720 |
| ctgttaagtc  | agtctacaaa | gacggataag  | atagaggaaa  | atgtactgtc  | accacaggat  | 3405780 |
| aatgcattta  | tgacagatct | ttatcgtctg  | atggaaagcg  | aattgtctaa  | tccggaactg  | 3405840 |
| gatataacgc  | ggatgactca | gttgctgaag  | atatcgcgta  | cgaagtttta  | ttataaggta  | 3405900 |
| aaggggctga  | ccggagaaaa | cccagagcgtt | ttctttaaga  | cgtataagct  | gaaccgtgcg  | 3405960 |
| gctgagttat  | tgaaagaagg | caagtatacg  | atttcggaaa  | tagcggatat  | gacaggtttc  | 3406020 |
| aataccttat  | ctcattttct | aaaaagcttc  | aagcaacagt  | ttggtattcc  | gcctagcgaa  | 3406080 |
| tatctcaaat  | aggatgagga | taagttccga  | tagtaccggc  | atgcttgctg  | aatcttttgt  | 3406140 |
| acaaaagatt  | tttgtttttg | tacaaatttt  | cagaaaatat  | gccggcatgt  | tgaagctaata | 3406200 |
| atgccgcgat  | ttgtttgtat | ataaagagtt  | ttagtagcct  | tttttagccct | tcacaccctt  | 3406260 |
| cacggggttg  | gtttcttttg | cctttctttg  | ccggttacct  | tgtttaatcc  | agcgggtttt  | 3406320 |
| ttctattctg  | gagggagcgg | gtgaaggccg  | tgaagggcta  | aaaagccatt  | tttttgtttt  | 3406380 |
| gaaataactt  | gcaggagggt | attatcgttt  | ggtcttggtt  | atcataaaaag | ttatggcagc  | 3406440 |
| tatggaaagc  | aagataccta | caatgatatt  | tggtgtgagt  | gcttctccga  | aaacgatggt  | 3406500 |
| tccaataagg  | atggctgtga | tgggttcgaa  | gacccccagc  | acagaagctt  | tggttgctcc  | 3406560 |
| gatatttcgt  | gtggcaattg | ccaatgtcgc  | agtggaaacc  | acggtaggaa  | gaagggcaag  | 3406620 |
| accgacgagg  | ttcatccagg | ccatgtttgtg | attgattccg  | gctgtttatat | caatatccga  | 3406680 |
| tattataatt  | ttccccagaa | aaataatggt  | accgactggt  | aaggcataaa  | acgtcagcag  | 3406740 |
| gctgttcgat  | atgttactga | ttgttttgct  | ccggttgatg  | atgacaataa  | acaaggcata  | 3406800 |
| aaccaaagct  | gagcctaagg | acaggataac  | tcctattggg  | ttgatggtgt  | gtgtggaatc  | 3406860 |
| actttgtgtc  | atgatgacta | ctcctgcaaa  | ggtgagaata  | atggataacc  | agacaggcca  | 3406920 |
| ggaaggtagt  | actttcagga | aaaccatgat  | gattgcaaca  | agaaccggat  | aaaggaatat  | 3406980 |
| gatggtggtg  | gcaagaccgg | aggcgatata  | gttgatgtct  | tcaaacagga  | atatgtctgt  | 3407040 |
| cgaagtatag  | agtaggccga | gaaccagtaa  | cacaccagcc  | tcttttcggg  | atatcttgaa  | 3407100 |
| actttgtttg  | cttaataaaa | ggaataagcc  | taaaaatagt  | acggcaatgg  | catatcgga   | 3407160 |
| aaataggatt  | gattcgattg | ctgccccgtt  | tttcattaat  | ggaacaccga  | acaaggggtt  | 3407220 |
| caatccgtag  | gtgatgccgg | taatgattcc  | agccggataa  | ccgataattg  | cattttctact | 3407280 |
| gatatttttc  | atattgcttg | ataagtagtt  | aattggatat  | gcgtaatat   | tgtcttttgt  | 3407340 |

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|             |             |            |            |             |            |         |
|-------------|-------------|------------|------------|-------------|------------|---------|
| tggtgctatt  | atgttctgcg  | ttatcctgcc | cagttttccc | ggcttaagtt  | acggtagctg | 3407400 |
| attgcttctg  | ccaggtgatg  | ggattgtatc | tgtgcagaat | cttccaggtc  | ggcaatggtt | 3407460 |
| cttgaaaactt | tcagaatacg  | atcgtaggca | cgtgccgaaa | gatggaaacg  | ttccatggca | 3407520 |
| ttgcggagca  | atgtgaggcc  | tttttcgctg | ggtaatgcat | actgggtgcag | taaacgtgac | 3407580 |
| gacatttgtg  | cgttgcaatg  | gatgcctgcg | tcgtgtgcaa | accgcttggc  | ttgtatctgc | 3407640 |
| cgtgcccgga  | tgactcgttc  | gcgtatggcc | gagctcggct | caccttttgc  | ctgttcggat | 3407700 |
| aatttttcga  | aaggaacggg  | tacaatttct | acctgtatat | cgatgcggtc  | gagtagggga | 3407760 |
| cccagagattt | tattcaggta  | tcgttgact  | tgcccgggac | tacagacaca  | atggcgtgtg | 3407820 |
| ggatgattat  | aatatccgca  | agggcaggga | ttcatggatg | ctatgagcgt  | gaagctggcc | 3407880 |
| ggatattcca  | aagtgtat    | ggaacgtgag | atggttatgc | gtcgggtcttc | gagcggctga | 3407940 |
| cggagtactt  | caagcacact  | ccggttgaat | tccggcaact | catcgaggaa  | aagtacacca | 3408000 |
| ttgtgtgcca  | ggctgatttc  | tcctggctgg | ggagtacttc | caccgcctac  | catggctact | 3408060 |
| tgtgaaatag  | tatgatgggg  | gctgcggaat | ggacgtacgg | ctatcagtga  | ggagtttttg | 3408120 |
| ccgagttttc  | cggctacgga  | gtgtatcttg | gtcgtttcca | gactttcggc  | gagtgtcagt | 3408180 |
| ggcgggagaa  | tgcttgaag   | acatttagcc | atcatcgatt | tgccacttcc  | gggtgcacct | 3408240 |
| atcatgatga  | ggttatgacc  | tccggctgcg | gcgacttcga | gtgctcgttt  | tacgctttcc | 3408300 |
| tgtcccttta  | catcggcaaa  | atcgaacgga | aaatcggttt | ggctccggta  | aaattcttca | 3408360 |
| cgggtattca  | caagagtggg  | ttccaaggta | cggttgccgt | tgaagaactc  | aatgacttcg | 3408420 |
| gtgatatttt  | ctacgccaaa  | aactttcagg | ttgttgacga | ctgctgcttc  | acgggcattt | 3408480 |
| tgtttgggaa  | gaatcaatcc  | ctccagtcct | tgctcgcggg | cacagatagc  | aatgggaagt | 3408540 |
| gctcctttga  | tgggtttag   | agtgccgtct | aagcccagct | ctccaatgag  | gagataccgg | 3408600 |
| ttcagctttt  | cggatgaaac  | tgttcctgtt | gcggccagta | ttccgatggc  | aagaggcagg | 3408660 |
| tcgtacgatg  | atccttcctt  | ccggatatca | gcaggtgcca | tattgactac  | aatctgacag | 3408720 |
| gtcgggaaact | tataaccggt  | tacctgtaaa | gccgacaaga | tgcgttcatg  | gctctctttt | 3408780 |
| acggcagaat  | cgggcagacc  | taccagaaag | aatttgatgc | ctcgtgagct  | gttgacttcg | 3408840 |
| attgttacga  | tgggtggcgtc | gataccttgt | acggctgcgc | caaataattt  | ggttaacatg | 3408900 |
| aagatgggtg  | ttttttat    | cttctcttct | tgagtaagct | gctttacttt  | tgtgtaaagg | 3408960 |
| gcttctccat  | acagatcttt  | atcaatgact | ttccgattac | gatctatcag  | gatgttggtt | 3409020 |
| ggcagcttat  | caatattgtt  | ctgttttaca | acttgattcc | cccatccttt  | ataatcgcat | 3409080 |
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| tcgagagaaa  | tattgagcac  | cctgaattta | tcttccggta | atcttctaac  | cattccgggt | 3409200 |
| agagagtcgc  | ggatagccat  | acttgtcttg | tcccagctgg | cccagaaatt  | caggagggtg | 3409260 |
| taactgtttt  | ctgttgaact  | gtccaagtg  | atatatttcc | catttcggtc  | cttacacgaa | 3409320 |
| aaataggcaa  | ggatattttc  | atctcgttcg | tttttatcct | ttgcgggcat  | tgatttcaat | 3409380 |
| acgactccca  | atacacggct  | gtcttttaca | ctacccccta | gcggatctat  | caggctacgg | 3409440 |
| attttttcaa  | tgtcaggttg  | gggaacctgt | acaagtagt  | cgttgataag  | atatgcagaa | 3409500 |
| ataaatgatt  | gcggatgaag  | tgtgataaat | tcttctgctt | ttttggaaac  | tgctgtacga | 3409560 |
| tcgtccttga  | tgtccttgat  | actttccaaa | aatttgccgt | actctccatt  | ttctccgtca | 3409620 |
| ccactaataa  | ccggtattgtc | gaaagtcctt | gtcagattca | tgtgcaatga  | cttatctgca | 3409680 |
| acgaccggta  | ttgtttggcc  | attgtccggt | gataccaggc | ggaacaaagt  | cagagtatcg | 3409740 |
| gggtgcaaatg | tataaataaa  | cttcccgttt | ttaggaacga | ttgtatcaag  | tttggaacaa | 3409800 |
| ggatcatcgt  | atactaccag  | aatctcatcg | gaagggtaat | cctggagttc  | tgcttgcag  | 3409860 |
| acaaattcag  | gtttcttttt  | gcaggaaatc | aggccggtta | cagctataag  | gaagaataat | 3409920 |
| attttttctca | tgtttccggt  | ttcttttctg | cgaaagtaca | tattttat    | gtaataaaaa | 3409980 |
| agccggaata  | caatggaatg  | tattccggct | tttcaaaaga | tatgataaaa  | tcaattat   | 3410040 |
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| atctttctga  | gcaaccttag  | ccatgctagt | cttaaccaag | tctgcattgt  | ttgttcttgc | 3410160 |
| accaacgata  | gccatcaggt  | agtcagtgtg | agcatcagga | ttctgaactg  | cattcaaagt | 3410220 |

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| gttttttagct | ttgttttagt  | cttttagccag | gatctgagcc  | aaagcagctg  | agtttagtctt | 3410280 |
| agtgtcaccg  | aatgcctgta  | cagcgcggtc  | gtactggcct  | tgtttgatat  | acaagttacc  | 3410340 |
| cagagcttcg  | ttagctgtgt  | tagcaccagt  | tgacttgctc  | aagtaagttt  | cagcgtttagc | 3410400 |
| aacggttacc  | ttaaccattt  | cgatgtaacc  | aaggtttagt  | ttaacttcag  | gagcgtttagc | 3410460 |
| attcttgcta  | gcagcctggt  | tgaagtagtt  | ttcagcagca  | gtgaagtcac  | cgtttagcgta | 3410520 |
| agccatcata  | ccaagttgt   | tgtatgcacg  | gaaatcgta   | ggatagagtt  | cagtagtttt  | 3410580 |
| ctttagata   | gcttcctgac  | gagctttatc  | gtttgtcaga  | gtagcagcgt  | acagcaattc  | 3410640 |
| ttctacgctc  | aataccttag  | catctgtatc  | gaatgcttcg  | ttgatttctt  | cgctcgctacg | 3410700 |
| accgataaca  | tcatagtttg  | cagtcaaacg  | agcacgacgc  | aactgaggaa  | ggatttcgctc | 3410760 |
| agccaaaagtc | ttgtaaactg  | aagaaatggt  | cttgattttca | gtttcacgct  | gttctggatc  | 3410820 |
| gttgtagata  | gaaagaacac  | gcaagatcag  | gtcttttatcc | tggatgtttg  | atttagaaac  | 3410880 |
| caattcctgg  | aaaccttccc  | agtcctgagc  | agtgtattta  | gcactctacag | tagtttcgat  | 3410940 |
| cttacctttc  | ttcaattctt  | tgttcaaata  | cttttcagta  | ttgttctgac  | gatcttcagc  | 3411000 |
| caaagtagta  | ttcagtttta  | caccaccatc  | aggagaagcg  | taagcagaaa  | tttcgatatt  | 3411060 |
| gttcagcttg  | tagttcttag  | tatcaccagc  | tacagtaaca  | acttgtttgt  | tgaatgcttt  | 3411120 |
| caagctgtct  | gacttcaatt  | cgcttgccgcg | aaggtttagct | tgctggatca  | agaacatgat  | 3411180 |
| ctgagcttct  | ttagcttggt  | tgatgatacg  | ctggaatgca  | tccggagcca  | aagctgcggt  | 3411240 |
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| aggaatagtg  | tattcttttt  | tacctttctt  | gatcttgaaa  | tcaaggtaca  | attcagattt  | 3411360 |
| agccatttca  | ggaacatagt  | cgaaagaggc  | tttcattgta  | taagtaccac  | cagtcttgta  | 3411420 |
| agaaatagtc  | tggtcggtgc  | cttgactttt  | ttcgccctgg  | aaggtagctg  | gctgaccttt  | 3411480 |
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| gtacttttca  | gggaattttac | ccgtgatagt  | aacaggaacc  | ttacctccaa  | ctgcctctaa  | 3411600 |
| cacttcagga  | tttggttgta  | agtaatcagc  | ggacaattcg  | cccatcttgc  | tacatgaaga  | 3411660 |
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| tggtgctcaa  | tgatttcttg  | tcgtaatctg  | gtcttgctta  | tatgggtata  | aattttaggt  | 3411960 |
| gttccgatac  | tttcatgttc  | tagcatacac  | tgtatggccc  | gcagggttgc  | accgccttcc  | 3412020 |
| aacaggtgcg  | tggtcaaagg  | atgacggaag  | gtgtgaggac  | ttattttttt  | cttcagaccg  | 3412080 |
| atttgttcgg  | caagttcctt  | gatgatgtga  | aagaccatga  | ttcgggagat  | gtttttcccg  | 3412140 |
| aaacggctga  | taaatacata  | gtcttcatac  | tcaggcttta  | tcagtcccga  | ttctcgttct  | 3412200 |
| gttaaatagt  | tcctgatctc  | attgatagct  | cgtggagata  | tagggacaag  | acgttgcttg  | 3412260 |
| ctcccttttc  | cttctacttt  | tatgaagcct  | tcgttgaggt  | ataggtcggg  | tatttttaag  | 3412320 |
| ttgcagagtt  | ctgaaactcg  | aagtcgcgaa  | ctgtataggg  | tttccagaat  | ggcacagttg  | 3412380 |
| cgttgtcctt  | cccgtgtgct  | tcggtcaata  | cttccgatta  | aagcatctat  | ctcttctacg  | 3412440 |
| ctcagtacgt  | cgggcaaagt  | ttttcctatt  | tggggggatt  | ccagcagttc  | ggccgggtct  | 3412500 |
| tgccggatat  | agtcttcgag  | tacaaggaaa  | tgatagaacg  | agcgtattcc  | tgataagata  | 3412560 |
| cgtgcttgag  | agcggggatg  | aataccgatg  | tcatgtaggc  | cggcagaaaa  | agtttccagg  | 3412620 |
| tcctgtagcg  | tcacattggc  | ataatcgatg  | ttctccagtg  | tcaggtaagc  | gaataattta  | 3412680 |
| tccaaatcgg  | taagataagc  | ttgtactgta  | ttgtcggaaa  | gcgacttctc  | taatctcaga  | 3412740 |
| tattgcttat  | actttattat  | tatcttatct  | tttttctcat  | aagttttcat  | ttctttttcg  | 3412800 |
| tatctttgtc  | ccaaattttt  | caacaaaggt  | attaaaagtt  | ttagtttgaa  | taggtatgag  | 3412860 |
| aatacaaata  | atcaatggct  | ccaatatcaa  | tttggtggga  | aagcgtgagc  | catctattta  | 3412920 |
| tggtgccgtt  | tcttttgaag  | attatttggg  | gacactgaga  | gcgctgtatc  | ccgatgtgca  | 3412980 |
| gatagattat  | tatcaatcga  | acatagaggg  | agaaatgatt  | aataaaatcc  | atgaaattgg  | 3413040 |
| attctcttat  | gatggaatcg  | tactgaatgc  | aggagcctat  | acacatacat  | cgatagcctt  | 3413100 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| gcaggatgct | attcgtgcag  | taaccactcc  | tgttattgaa  | gtacatatat  | caaagtgtaca | 3413160 |
| tacccgggaa | gagttccggc  | ataaatctat  | gatctcttgc  | gcttgatgg   | gagtgatttg  | 3413220 |
| cggcttcgga | ctcgattcgt  | acaggctagc  | gatggaagct  | cttttgcattg | tgaagaaata  | 3413280 |
| atacattaga | atacatttag  | aataagaaca  | aaatatgatg  | ctcaaacaaa  | caaaaatcgt  | 3413340 |
| tgcgtccatt | tcggacttac  | gttgtgaagt  | agattttatc  | agagatcttt  | ttaatgctgg  | 3413400 |
| tatgaatggt | gtccgtatga  | atacggctca  | cgccagtcgc  | gagggatttg  | aaaaattaat  | 3413460 |
| cagtaacgtg | cgtgaggttt  | caaaccgtat  | cgctatcctg  | atggatacaa  | aaggtccgga  | 3413520 |
| agtgcgtacc | actgccagtg  | cagaaggtcc  | tattgacttc  | aagactggag  | ataaagtacg  | 3413580 |
| tattgtcggc | aatccggcac  | aagaaactac  | ccgtgaatgc  | attgctgtaa  | cttatccggg  | 3413640 |
| atttgttcat | gacttgtcgg  | taggtgcaga  | cgttttgata  | gacgacgggtg | agctggagct  | 3413700 |
| gaagggttga | gaaaagaatg  | atgatacatt  | gttctgtgag  | gtttgtaatg  | atgctacact  | 3413760 |
| gggaagccgc | aagagtgtaa  | acgttcagg   | tgtacgtatc  | aatcttcctt  | ctttgacaga  | 3413820 |
| aaaggaccgt | aacaatattc  | tgtatgccat  | cgaaaaagat  | attgatttca  | ttgcacattc  | 3413880 |
| attcgtacgt | aacaaacagg  | atgtgcttga  | tattcgtgaa  | attctggatg  | cacacaagag  | 3413940 |
| tgatattaag | attatcgcaa  | agatcgaaaa  | tcaggagggt  | gtagacaata  | ttgatgaaat  | 3414000 |
| acttgaagta | gccgatggcg  | taatggttgc  | tcgtggtgac  | ctgggtatcg  | aggtgccgca  | 3414060 |
| ggaacgtatt | ccgggtattc  | agcgtaaagt  | tatcaagaaa  | tgtattcttg  | caaagaaacc  | 3414120 |
| ggttattgtt | gctaccaga   | tgctgcatac  | gatgattaac  | aatccgcgtc  | ctactcgtgc  | 3414180 |
| cgaagtacc  | gatattgcca  | atgctattta  | ttaccgtaca  | gatgcgttga  | tgctgagtg   | 3414240 |
| tgaacacgca | tacggaaaat  | atccggtaga  | agccgttaag  | accatggcga  | agattgcagc  | 3414300 |
| tcaggcagaa | aaggacaaga  | tggaggaaaa  | cgatatccag  | attcctttga  | ctccggaaaa  | 3414360 |
| taccgatgtc | actgctttcc  | tggctaaaca  | agctgtacgt  | gcgactacgt  | tgatgccgat  | 3414420 |
| tcgtgctatc | attaccgatt  | gtttcagcgg  | tctgactgcc  | cgtaacctgg  | ctgccttccg  | 3414480 |
| tggtaaatat | ccggtatttg  | ctatctgcta  | taaagaaaag  | accatgcgtc  | accttgcgtt  | 3414540 |
| gtcttatggt | gtagaagcta  | tttaccatgcc | tgaaaaagca  | agtgggtcagg | aatactatatt | 3414600 |
| tacagcattg | cgcaaattgc  | ttgccgatgg  | agttctttca  | aataaagaca  | tggtagctta  | 3414660 |
| cttgagtggc | ggtaagaaag  | gtactcatac  | ttcattcctt  | gaaatcaacc  | aggtgggtga  | 3414720 |
| tgtactggat | agtgaagatg  | tttatgtatt  | acctaaccgt  | aaccgttact  | tataattaat  | 3414780 |
| aatgtatgaa | agaaacggac  | gctcttgatg  | agtatatact  | tcagcatata  | gatgaagaag  | 3414840 |
| gagattatct | gaaagcattg  | taccgggcga  | cgcatgtaaa  | acttctgcgt  | ccccgtatgg  | 3414900 |
| cttccggaca | cctgcaagga  | cgtatgctga  | aaatgtttgt  | tcagatgatt  | cgtccgaaac  | 3414960 |
| aagtgcctga | gataggact   | tacagcggat  | attccgcact  | ctgtctggca  | gaaggactgg  | 3415020 |
| aagaaggggc | tatgtcccat  | actttcgaga  | taaacgacga  | gcaggaagat  | ttactcgtc   | 3415080 |
| catggctgga | gaactctccg  | tatgctgata  | aaattcaatt  | ttatatcggg  | gatgcgctga  | 3415140 |
| aaatagtgcc | tgacatggat  | gtggttttcg  | accttgcttt  | tgtagacggg  | aacaagcgtt  | 3415200 |
| tctatgtgga | gtattatgag  | atgattctga  | aaaagatgaa  | ctccggtggg  | tatattattg  | 3415260 |
| ccgacaatac | tttatgggat  | ggtcacgtgc  | tagaggctga  | accacatcac  | acagacacgc  | 3415320 |
| agactatcgg | aattaagaag  | tttaattgatt | tggtggcggc  | cgatacacgt  | gtggagaaag  | 3415380 |
| tgatcttgcc | tttgcgcgac  | gggctgacca  | ttatacgtaa  | aaagtaataa  | ttgatatgga  | 3415440 |
| aacaaccaga | caaaaataaga | ttgcccggct  | tattcaaaaa  | gagctgagcg  | atatattcct  | 3415500 |
| gttacagact | aaggcgatgc  | acggagtact  | ggtttcgggtc | agcgtagtac  | gtatcagtc   | 3415560 |
| tgatatgagc | tatgcgcgtg  | tatatcttag  | tgtattcccc  | tcggaacgca  | gtcaggaaat  | 3415620 |
| tgtaaaaaac | atcaatgata  | acatgaaatc  | cattcgtttt  | gaactgggta  | accgggtacg  | 3415680 |
| tcaccagtgt | cgtatcattc  | cggaactgaa  | gttctttgtc  | gacgattcac  | tggtattatgc | 3415740 |
| agctcatatt | gatgaattgc  | tgaaaaaata  | attcttgttg  | ttcaccacag  | gttgattttg  | 3415800 |
| cttgtcttta | aaaaagatga  | ggatatagcc  | tgtggtgaaa  | aattaatatg  | ccatgaattt  | 3415860 |
| ccccttttat | atagcccga   | gatacttgtt  | ctctaaaaaa  | tcacataatg  | ccataaatgt  | 3415920 |
| gatctcaacc | atttctgttt  | gtggagtggc  | acttgctacg  | ctggcattgg  | tgtgtactct  | 3415980 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| ttctgtgttc  | aatgggttttc | aggacttggg  | agagacgttt  | tttacggcat  | tcgatccgca  | 3416040 |
| actgaaaatt  | acggcagttc  | gtggtaaagt  | atgtgacgga  | caggataaga  | gagtacttca  | 3416100 |
| gttgaaaaag  | ttgccggaag  | tagcagtcta  | ttctgaatca  | ttggaagaca  | acgtgatggg  | 3416160 |
| tcagtatcag  | ggtagacagg  | caatggcggg  | gataaaagg   | gtagaagata  | atgttgacca  | 3416220 |
| gcttaccctt  | atagacagca  | tacttttcgg  | aaggggagat  | ttgctacttc  | atgacgaggt  | 3416280 |
| agtagactat  | gcaattcccg  | gcatccagct  | gctttctact  | ttggggtcgg  | gtatccgttt  | 3416340 |
| cctcgatccg  | ctggaaatat  | atgctcctcg  | ccgaggtgcg  | aaggtgaata  | tggcgaatcc  | 3416400 |
| ttccactggg  | tttgtgaccg  | gcaatttgtt  | ttcatcgggt  | ctgggtctttg | ctgtaaatca  | 3416460 |
| ggagaaaatac | gatgcctctt  | atatacttac  | ttccatgaat  | tttgcccgtg  | aactgtttca  | 3416520 |
| atatactacg  | gaggtgagtg  | cgattaatct  | gaagttgaag  | gacggagctg  | atacagatgc  | 3416580 |
| cgtaaagaaa  | cacatacaaa  | cggttgctggg | tgacgacttt  | cgtgtacagg  | accgttatga  | 3416640 |
| acagcaagct  | gatacgttcc  | gtatcatgga  | aatagaaaag  | ctgatatcgt  | atgtgttcct  | 3416700 |
| tactttcatt  | ctgatgattg  | cctgcttcaa  | tgtcatcggg  | tcactctcta  | tgttgattat  | 3416760 |
| cgacaagcgt  | gatgatgtgg  | tgaccttgcg  | taatctgggg  | gccagtgaca  | ggcagattgt  | 3416820 |
| acgtatatcc  | ttgttcgagg  | gtcgtatgat  | ttctcttttt  | ggagcttttg  | cgggcgtgat  | 3416880 |
| atgttgattg  | ctgctatgct  | ggcttcaaca  | ggaatatggc  | ctgatttcat  | taggcgattc  | 3416940 |
| ggggagcttt  | gtggtcgatg  | cttatccggg  | aagcgttcat  | gcttcggatg  | ttataatagt  | 3417000 |
| atgtgtaacc  | gtactgctgg  | tcggtttctt  | gtcgggtctg  | tatccgggtt  | gtttcctgag  | 3417060 |
| caaacgtttg  | ctgaagaaat  | aaacgccagt  | gcgagaatgt  | ggtagtttgc  | aaagaaaaat  | 3417120 |
| aaaaagaggc  | cgtctcaaaa  | tagaattgca  | aaagtaaaaa  | tcttatagat  | tgaacttag   | 3417180 |
| aagtaaaaaa  | tctcctactt  | ttagtctctg  | aattgaagaa  | aacaaagact  | aaagtaggag  | 3417240 |
| atgttttatgt | tgtaaactgat | agattataag  | taaacctatc  | tcagcttttc  | atgtttgatgc | 3417300 |
| agcctctttt  | tatatccaac  | ggatgaaggt  | ctttaaagta  | ctgcttattc  | atcagcaaga  | 3417360 |
| acgaaatcca  | gttgcttctt  | ttccagatta  | gcccgtgcc   | ctttgatttt  | aacagggtca  | 3417420 |
| cccaggctga  | acttacgatg  | atggcggcga  | ccaatcaagc  | aatagttctt  | ttcgtcgaat  | 3417480 |
| tcataataat  | cgttacctaa  | gtcgcgcatg  | gaaaccatac  | cttcacattt  | gttttcggtg  | 3417540 |
| atgtccacat  | aaagtcacca  | ttcggttaact | ccagagataa  | caccgtcgta  | tacattgccg  | 3417600 |
| atacgttcac  | tcataaaattc | tacctgtttg  | tacttcacgg  | aagcacgttc  | ggcactggca  | 3417660 |
| gccgtttgtt  | ccatagcaga  | actatgttcg  | cacagttctt  | catacttgtc  | ggcctgagca  | 3417720 |
| ctgcgacctc  | cggcaagata  | gcgtgtaagc  | aagcgggtgta | ccatcaagtc  | cggataacgg  | 3417780 |
| cgaattggag  | aagtaaaatg  | tgtatagtaa  | tcgaatgcc   | atccataatg  | cccgatatta  | 3417840 |
| taaatagaat  | atcttgctct  | ctgcatggca  | cgcaatgaaa  | cggtttcaat  | caggttctgt  | 3417900 |
| tctttcttac  | cttcaatatc  | gtcaacaga   | cgggtgatag  | actttgaaac  | gtccgtttta  | 3417960 |
| ctgcctccag  | tacgtatctt  | atagccaaat  | cgggcgatga  | actgactcaa  | gttgtccagc  | 3418020 |
| ttatccggat  | cgggcaagtc  | gtgtatacgg  | taaggggaata | ctttcgggtt  | cttgttcttg  | 3418080 |
| ggaacttttc  | cgatgtgttc  | ggcaaccgta  | cggtttgcta  | acagcatgaa  | ttcctcaatc  | 3418140 |
| aacttatattg | cttcttttga  | aaccttgaag  | tatacgtcta  | gcggcttgcc  | tttctcatca  | 3418200 |
| atctcaaaact | tcacttcaca  | gcggtcgaag  | ttgatagaac  | cggcagccat  | tcgtttatcc  | 3418260 |
| cgtaaaaattt | tggccagacg  | attcagttcc  | agaatttctt  | ctttataatt  | gccttctccc  | 3418320 |
| gtttcgataa  | tgttttgtgc  | ttcttcgtaa  | gtaaagcggc  | gattcgactt  | tatgacggta  | 3418380 |
| tgacgaatcc  | gatagtcttt  | tacttcagcc  | ttttcgttca  | tatcgaagat  | aacagagtaa  | 3418440 |
| gccagtttct  | cttcgtcggg  | acggagcgag  | cagatgaagt  | tacacagacg  | ttcgggtaac  | 3418500 |
| atcgggatgg  | tacgggtctac | caagtaaaca  | gacgttgccc  | gttttacagc  | ctccttgctg  | 3418560 |
| atgatgctac  | cctctttcac  | ataatgtgaa  | acatcggcaa  | tgtgtacgcc  | tacttcccaa  | 3418620 |
| agtcccggtt  | taagctggcg  | gatagaaagc  | gcatcgtcga  | agtccttggc  | atctttcggg  | 3418680 |
| tcgatagtga  | aagtcacgac  | atcacggaaa  | tcttcacgtt  | ctgcgtaatc  | ttcgggagtg  | 3418740 |
| atgtcagccg  | agattttatc  | ggcagcggct  | tctaccgatt  | gaggataagt  | atatggtaag  | 3418800 |
| ccgtattcgg  | caagaatggc  | atgcatttcg  | gttgtattct  | cacctgcctt  | acccaagata  | 3418860 |

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| gccttgtcac  | cgtccttgcc  | acctttcagc  | ttttccttcg | ggatgaaaat | atcgtttgcc  | 3418980 |
| agtgtactgg  | tttccgtag   | caggaaagca  | tagttcttgc | ttactttcag | tgtaccacaca | 3419040 |
| aagtttgc    | tggcatgttc  | cagtatttca  | atgacctgac | cttcacttc  | atggcgccga  | 3419100 |
| cgtttggcac  | acagtgaat   | tttcaccttg  | tcattattca | tggcatgtgc | cgagttgcgt  | 3419160 |
| tcagcaatga  | agatagggtc  | accgccatca  | tcggggataa | acgagttctt | tccgttgctt  | 3419220 |
| ttgcgagga   | aagtacctgt  | catgatctgc  | cccttatcat | tcagtttata | atgtcctttc  | 3419280 |
| tctgtctcta  | tcaaaaaatt  | atcttctacc  | atttcctgaa | cgatgtcggc | acaaagcatt  | 3419340 |
| ttcaatggat  | gtgtagtcag  | gtttaatcct  | gtaaataact | gcttcaggct | gaagctctcc  | 3419400 |
| attggcttga  | tgcggaaata  | attaaccagc  | aattctgcc  | gttctttctt | cttcatgcgt  | 3419460 |
| tttccgcctt  | ttttttcttt  | ctttttctta  | gccataatcg | taatatatta | tttactgcc   | 3419520 |
| tctttcggac  | gatatttcgt  | acgcataatca | agcagaggtt | tcttttataa | agtaagcaaa  | 3419580 |
| ataaatggaa  | taaagaatca  | ataactcact  | atattttaag | gtagaaagat | gagaaactat  | 3419640 |
| tatctttgtc  | gcatggagaa  | aaaagtattg  | gtaaccggag | ctagcggctt | tatcggaagt  | 3419700 |
| tttctggtgg  | aagcaggatt  | ggagcgtgac  | atgcaagtat | gggcgggcgt | gcgcaagagc  | 3419760 |
| agtagccgac  | gatatttgca  | ggatactcgt  | attcgttttg | ctgaactgga | ctttaccgat  | 3419820 |
| tcagaccgtt  | tggaagaaca  | attgaagaaa  | cataagctgg | agcatggtgg | atgggattat  | 3419880 |
| atcattcatt  | gtgcaggagt  | gaccaaagt   | ctggacaagg | ccgattttga | aatcggcaac  | 3419940 |
| tattgggcta  | cccgtcattt  | tattgaaaca  | ctgatgcgtc | tgaatatggg | tcccaagcag  | 3420000 |
| tttgtttata  | tcagctcgct  | aagtgtgttc  | ggaccgattc | gggaaaaaga | ttattctcct  | 3420060 |
| atltgtgaac  | aggatgttcc  | gcgaccaa    | actgcctatg | gaataagtaa | gttacattcg  | 3420120 |
| gaagagtatt  | tacacacat   | gaaagacttt  | ccttatgtca | ttttccgccc | gaccggagtc  | 3420180 |
| tatggtcccc  | gtgaacgaga  | ttactttctg  | atggcagaat | ccattgcacg | gcatgtggat  | 3420240 |
| tttgtgctgg  | gattccgtcg  | tcaagatatt  | acatttgtct | atgtgaagga | cttgggttcag | 3420300 |
| gccgtatatc  | ttgccattga  | aaaacaagtt  | gtacggcggg | cttattttgt | aagtgacgga  | 3420360 |
| catgtctata  | gcagtcgtac  | gttttccgat  | ttgatccgca | aggaattggg | aaacccttg   | 3420420 |
| ctgatacgct  | ttacgtgtcc  | cctggcttta  | ctgaaggtaa | tatcgtttgt | tgcggaaaac  | 3420480 |
| gtcgcggcgt  | tgttccacaa  | atcgagtacc  | ttaaatttgg | ataaatataa | aatcatgaag  | 3420540 |
| cagcgcaact  | ggcaatgtga  | tattgcccc   | ctggaaaaag | aactaggcta | tcgggcagaa  | 3420600 |
| taccggttgg  | agagaggtgt  | aaaagagatt  | attgcatggt | ataagaagga | gaaatggcta  | 3420660 |
| taaaactatt  | tgaacgcgta  | gaaagtggaa  | gggggctgtt | tgctgtagaa | acaatcagtt  | 3420720 |
| tgatatataa  | cgctttgaca  | tccttgctga  | tattattgct | gtttccccgt | atggaccatc  | 3420780 |
| ccggcatgat  | gttgcgtggag | cgtctgggta  | ttgttattct | gacgtttgtc | ctgatatttc  | 3420840 |
| tgtatcaagc  | ttttccatgt  | cgtctgacag  | cctttatacg | tatgtctgta | cagatgagtc  | 3420900 |
| tgcttgctta  | ctggtatccc  | gacacattcg  | agtttaaccg | tttgtttccc | aatctggatt  | 3420960 |
| acgtgtttgc  | tcacgccgaa  | cagatattgt  | tcggttgta  | accggcggtg | gaattcagca  | 3421020 |
| aacattgtcc  | gtccatgtgg  | ttcagtggac  | ctttcaatat | gggatatttc | ttttattatc  | 3421080 |
| ccatgatact  | ggttggtggtg | gtctattatt  | tcctgaagcg | ttttgagtgg | tttgaaaaga  | 3421140 |
| tttgtttcgt  | actggctcact | tcatttttca  | tctattattt | tgtttatatc | atgttgccgg  | 3421200 |
| tggcagggcc  | tcagttctat  | tttcagcta   | taggtatgga | taaggtgaat | gcctgtattt  | 3421260 |
| tccccgctat  | cggcgattac  | ttcaatacga  | atgactatct | gattccgggt | cccggatttg  | 3421320 |
| aacatggact  | tttctatcgg  | ttggtagaag  | cttctcagga | agtaggagag | cgccctacag  | 3421380 |
| cagcttttcc  | cagttcgc    | gtgggaattt  | ctaccattgt | gatgataatg | gcatggcggtg | 3421440 |
| taaacaagaa  | actggcctat  | gtgctggccc  | ctttctatat | tcttctttgc | tgtgctacgg  | 3421500 |
| tctataattca | ggcgcattac  | ctgcttgatg  | ccattgtagg | ctttgtatca | gctttctttg  | 3421560 |
| tgtataatct  | tgctacgctg  | atgtacaaac  | gatggtttat | ctcaccagtt | tttaaactga  | 3421620 |
| tgggataaac  | acgcttattc  | tccgaacgtt  | tcttctatgt | ggtcgagtat | gccgttcagg  | 3421680 |
| tcggccagtg  | tttctgcacg  | cagcatggca  | atacgggtat | ccttgaagtt | gggaatccct  | 3421740 |



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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
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| agcagattga  | cactgtcttg | cacttcacgg  | cgcagtacat | ccattttcca  | tttaaacgat  | 3421860 |
| agaggaggga  | gttcctcgcc | ggtttgagg   | aaatgtttta | cttccttgaa  | gatccacgga  | 3421920 |
| cgtccgaaac  | tgccacggcc | aatcatgatg  | gcatccaccc | cgtagcggtc  | gaaacattct  | 3421980 |
| tttgcccgtt  | gtggagtggg | gacatcacca  | tttctataa  | tcggaatgtg  | catgcgtgga  | 3422040 |
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| gtacgaccat  | ggatagtcag | tgcttcaatg  | ccacaatcct | gcaactgttc  | tgccagttca  | 3422160 |
| acgatgatct  | tgtgttcggc | atcccagccc  | agacgggttt | ttaccgttac  | cggaatcttg  | 3422220 |
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| tatatctgaa  | tggaactgg  | gcgttctgca  | tcgctgatat | tcagttttaa  | catgggtttt  | 3422460 |
| cctaccgaac  | gaatcagggc | atcgctcgac  | acaaattcgg | tatacaccat  | atcggctccg  | 3422520 |
| aactctttgc  | atagcaagcg | gaatgcggga  | tcggttacat | cctccatcgg  | agcgagcagt  | 3422580 |
| acgggcttgt  | cgcctaaatc | tatatcttct  | attttcattg | taatatatta  | taggggtcga  | 3422640 |
| ctgcaaacag  | gtaagtaaag | cttgcatgag  | atataaacag | cttggtgaaa  | tcgctgcaaa  | 3422700 |
| attaataaat  | aaaagaaatc | ctcccaagca  | gaaggattaa | cctttcactt  | gggaggattt  | 3422760 |
| catatgatag  | agctacggct | tatcgataga  | agtccaattt | aggatgattg  | ttgtacaaat  | 3422820 |
| tttggttctg  | aagctcttct | ttttccggaa  | tgcggaacag | ataatatatta | ctgttcgcct  | 3422880 |
| cgaagtctga  | ttcatcagga | aatttttagag | tagaatgtcc | acttataagc  | atacagttct  | 3422940 |
| gttctttatt  | ttcatctatt | gcatttttag  | gagctagaat | tacatcaccc  | ttctcatcca  | 3423000 |
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| gcaaggcctg  | agcttcgctt | gtcttgcttg  | ccagatgtgc | agcagcttct  | gccttaatca  | 3423300 |
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| agttggtata  | gccactaccc | ggagttgagg  | tatctttata | atggaagttg  | taggcgggaa  | 3423540 |
| ggttgatcat  | ctgtgtacaa | gaatagcccc  | acatccattc | tttattcagg  | gcattggtga  | 3423600 |
| aacctgactt  | gtattctgct | tcactcatca  | ggtagttggt | cttcaacttc  | atagcctcgt  | 3423660 |
| ctgcatactt  | gtaagcatct | tcccacttgc  | gggcatataa | gctggcgcgt  | gctcttagac  | 3423720 |
| cggttacgac  | gatatggtcg | atcttgattt  | gatccgttgc | atttgagcct  | cggttatagt  | 3423780 |
| ctgccggaat  | caggtcatat | ccccatttca  | aatcgttcaa | agcttggttcg | tatacctccg  | 3423840 |
| atacacttgc  | agcaggcttt | ccggtggttg  | ctgtattgta | gtcagttggt  | tctgtataga  | 3423900 |
| taggcacgca  | tactgcattc | ggctccttat  | cgatggcaaa | agaatagtg   | cttgccaaca  | 3423960 |
| gcataatacag | gaaaccacgg | gtagcataag  | cctgtccttt | gatgcgggtc  | ttttcttcct  | 3424020 |
| gatctcccga  | aataccgtcg | atgttcttga  | gaacggcatt | gcagttattg  | attggatcgt  | 3424080 |
| acaccatgtc  | ccacattacg | tcgtttattt  | ctccgcgtcc | gtagccgttg  | gtcagtttat  | 3424140 |
| agctggaaga  | ataaccgtaa | ctggtagttc  | ttactacatc | ggagccggca  | aaatcatcgt  | 3424200 |
| ttatcatgat  | ggctccgtag | ccgatggaag  | cataggtaga | accggaatta  | aagatatagt  | 3424260 |
| tccaggctcc  | tctgattaca | cggtcggcat  | tttccagatt | tttgaataca  | gcatttgctt  | 3424320 |
| caagtgaagt  | tgtaggagct | gtatcgaggt  | cgcaggctgt | aacgggtgcag | gcagccagtg  | 3424380 |
| cggtaaggca  | tatattttta | taattgaatt  | tcatcttttg | tcaaattttt  | taaagagtta  | 3424440 |
| cattaataacc | gaatgagaaa | gtcttcatag  | ccggaatagc | atatgatagc  | acaccgctga  | 3424500 |
| taggctgttc  | aggatcaaga | ccttgctggg  | gactgaatgt | caacagggtt  | tcgccttgaa  | 3424560 |
| caaagatggt  | ggcatctttc | agtgtggcaa  | agtgtatcca | tctctgaggt  | aaggatatagc | 3424620 |

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|-------------|-------------|------------|------------|-------------|-------------|---------|
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| tggtgaagta  | actagtctgg  | tcgtacgaca | gacgtggaat | gtctgtgtat  | cgattttccg  | 3424740 |
| gagtcacg    | attcagcatg  | tcttcgctca | tcgagctacc | gtttccaccc  | ttaacgctca  | 3424800 |
| tcattctgtat | cttatcggtg  | ttgtacagct | taccgccgat | agcataagag  | aacaacatgg  | 3424860 |
| acagcgacag  | gttcttccag  | gtaaggctcg | actggaaacc | accgctcagt  | gtaggaagtg  | 3424920 |
| agctgcctac  | ttttacctta  | tcgttcggtg | tcaggcttga | ataatcttct  | gtaatctggc  | 3424980 |
| ggctgccatc  | cttggcggtg  | taataccact | gcggcttacc | gttctccgga  | tttacacccg  | 3425040 |
| cccattcata  | caaccagaag  | tcgtacagcg | aaccaccttt | cacccatttc  | ttagaactct  | 3425100 |
| gccacataac  | ttcggctcggc | agttcaacaa | ttttgttttt | ataagtagtg  | gcattttacac | 3425160 |
| tcagcttcca  | agtccagctt  | tttgtcatga | ctggagtagc | gctgatggta  | aattcccaac  | 3425220 |
| cgtagttttt  | cagcttaccg  | atattggcat | cgatgcttgc | gaatcctccc  | gacggcacca  | 3425280 |
| gatcgcgggc  | aaacagcaaa  | tctttagaag | aacgctggaa | gaattcaatc  | gtaccgttca  | 3425340 |
| gtcggttact  | ccagaatccg  | aagtccagac | ctacgttcaa | gttcagggtt  | gtttcccagc  | 3425400 |
| tcaaatccgg  | tgtttccaga  | cgtgaagcat | gcagggtaga | ttcaccaggt  | gaactaccga  | 3425460 |
| tagtataaag  | tgccttataa  | gcgtagtaac | ctacattgtc | attaccttgt  | gcaccatagc  | 3425520 |
| tggcacggag  | tgctcagggtg | ctcagccagt | tattgcttgc | tgcttccaga  | aactttttcac | 3425580 |
| gtgaaatctt  | ccatgaacca  | ccgaaagacc | agaaggtagc | ccatcggtta  | tccggatgga  | 3425640 |
| agcgtgaaga  | accgtcggta  | cgtaccgaag | ccgatacgaa | atatctgctc  | tgatatgaat  | 3425700 |
| actcagcgct  | tccgaagaaa  | ctcaacagtt | tgtactggtc | gctgtttccg  | ccaaagctgc  | 3425760 |
| tcaatgtaga  | agctacatcc  | ggttcataat | agccatcggt | gatgacaccg  | gttcttgaac  | 3425820 |
| cggagaaaatt | ggaagtattg  | tattcgtaat | actcctgacc | agccatcaat  | cggacatcgt  | 3425880 |
| gatcctcctt  | gaacgtatga  | ttccagttga | tgacgttgtt | gtacgtcata  | ccagtagtac  | 3425940 |
| ggctcgttacc | cttttctaca  | ctacctgtca | gcggcttctt | gccgtaagtc  | gggttactgt  | 3426000 |
| agttatgggt  | aaacatactg  | tcgtagtcga | tgttcagcga | cattttttag  | ctcaaacctt  | 3426060 |
| cgaacggagt  | aatctgtaaa  | taaccacgga | tagaagctgc | atcgcgtttg  | tactcctttt  | 3426120 |
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| cagtatcatt  | ctgtttcggg  | tagttctgga | tagaatgggt | tcgagataca  | ttcagcccta  | 3426360 |
| cctgcaacca  | tttacgtaag  | tcggtagtaa | tgttcgaacg | cagggttgtaa | cgtttgaaatc | 3426420 |
| cggaaacagat | ataagcacc   | tgatcgtcca | ggtagcctag | tgaaaaataa  | tatttagtct  | 3426480 |
| tttactacc   | tcctgatacg  | cttgcgttta | aatcagcgta | gtgcgcattc  | tcgcacaagg  | 3426540 |
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| tagctacgat  | agctgaggcg  | ttctgagcag | cagtaacagg | atctgaaccg  | ttgtcgatgt  | 3426720 |
| agctgttacg  | caatgcttcc  | cattgcaaca | tgaaataatc | atctgtgctc  | aactggctgt  | 3426780 |
| aatcgcgtag  | ggcacggctt  | gagaaaccgt | acttagccga | taactggata  | gttggggctg  | 3426840 |
| aaccattctg  | tccttgtttg  | gtcgtaatca | tgatgacacc | gtttgctgca  | cgagaacat   | 3426900 |
| aaagagaagc  | agcagcggca  | tctttcaaaa | ctgtaacaga | agcaatatct  | tgtgaagaaa  | 3426960 |
| tagatgaaag  | tttgccatcg  | taaggcacac | cgctgactac | atacaatggg  | gtttgtgaag  | 3427020 |
| catttgcaga  | acctacccca  | cggatataga | tatcggcatc | ttcaccgggt  | tgtccactgg  | 3427080 |
| tagagaacga  | ctgcaaaccg  | gctacagttc | cctgcaaggc | ttttgataca  | cttgaaacct  | 3427140 |
| gtgatgcagc  | tacaattttt  | ttgtcgataa | cactggcaga | accagtgaag  | gtagattttt  | 3427200 |
| ttgcggtacc  | ataaggtacg  | gcaataacaa | cttcatcaat | ggctacggaa  | gattcttttca | 3427260 |
| aatcgacgtt  | gattactttt  | tgacctttga | cgggcatttc | tacagtttca  | tatccgatga  | 3427320 |
| atgaaaatac  | caatgtactt  | tttgcattca | cttgtagtga | atagctaccg  | tctatggagg  | 3427380 |
| taatggtacc  | attcgttcct  | cctttgactg | ctactgttac | ccctggcatc  | tcttctccgt  | 3427440 |
| tggcagtaac  | tttcccgttc  | acagtgat   | tctgtgcata | ggttgccacg  | cagattagca  | 3427500 |

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| aaatttcaat  | ctttaagt    | ctaagtatt   | gcattctctt | ccactgaaga  | ggcacatatt  | 3427620 |
| ccctttctta  | ttattcagtt  | gttttgtgtt  | ttttatctta | aaatctcaat  | cgggaggcaa  | 3427680 |
| aagtataaaa  | tattttgtat  | cgaatgaaat  | aaaaaacgat | ttattttgta  | tgtttatact  | 3427740 |
| attcatgtat  | ataatcacta  | tatatataca  | ttattacttt | cggttgtaaa  | gcggcaaagc  | 3427800 |
| ttcggattct  | atgacctgt   | tcgtctgttt  | gccggaaaat | cgtaaacttt  | gcagccgaaa  | 3427860 |
| ccaacaagaa  | aagatgaatt  | actcaataaa  | ggacttcgaa | attatggcac  | cggtcggctc  | 3427920 |
| ccgagagtcg  | ctggctgcgg  | ctattcatgc  | aggagcagat | tctatctatt  | tcggcattga  | 3427980 |
| aagcctgaat  | atgctgtctc  | gttcagcaaa  | cacgtttacg | gtagacgacc  | tgctgtgagat | 3428040 |
| tgccagagta  | tgcatgaaa   | acggtgtgaa  | aagttatctg | actgtaaata  | caattattta  | 3428100 |
| cgatgaagat  | atcgccctga  | tgcggaagat  | tgtggatgca | gcaaaggaag  | cgggcatcag  | 3428160 |
| tgcagtaatt  | gctgccgatg  | tagcagtcac  | ggcttattgt | aaccagatag  | gacaggaggt  | 3428220 |
| gcatttgtct  | accagttga   | atatcagcaa  | tgcggaagcc | ttgaagtttt  | atgcacagtt  | 3428280 |
| tgccgatgta  | gtggtactgg  | cacgtgagct  | gaacttgaag | caggtgcgta  | agatttacga  | 3428340 |
| tgcaattcat  | gaacagcata  | ttacgggacc  | gatggggcag | ccggtacgta  | tcgagatgtt  | 3428400 |
| ctgtcatggg  | gctttgtgta  | tggctgtgtc  | gggcaagtgt | tatctgagct  | tgaacgaact  | 3428460 |
| gaatgcttcg  | gcaaaccgtg  | gggcttgcac  | gcaggtctgc | cgctgtgcct  | atatcgtgaa  | 3428520 |
| ggataaggaa  | agtatatcgc  | aactggaagt  | cgataaccag | tatatcatgt  | cgccaaagga  | 3428580 |
| tctgaaaacg  | attcatttta  | tggacgagat  | gatagaagcc | ggtgttcggg  | tattcaagat  | 3428640 |
| tgaaggacgt  | gcacgtggac  | ctgagtatgt  | gcgtaccgtg | gtggaatgtt  | ataaagaagc  | 3428700 |
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| ccttaagacc  | gtatttaacc  | gtggcttctg  | gaatggttat | tatctgggac  | agcgtttggg  | 3428820 |
| agaatggagc  | aagaactatg  | gttcggaggc  | tacagagcgt | aaggatatatg | ccggacgtgg  | 3428880 |
| tatcaagtat  | ttctcgaaca  | tcggtgttgc  | tgaattcctg | attgaagctt  | ccgaaatcaa  | 3428940 |
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| cgaagcacgt  | gtcgacctga  | aaccggtaga  | tgtagtaaag | aaaggtgtgc  | atgtttcgtt  | 3429060 |
| taagggtccc  | gaccgtattc  | gccccagcga  | caagctttac | cgtattgttc  | ctgccgatga  | 3429120 |
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| aatatccttt  | acacagataa  | tttagtccag  | gttctccgga | agctgtcttg  | cagaaacggt  | 3429600 |
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| acttctccga  | tttatcgcca  | ccaaattgca  | attgcttctc | gctgtacatc  | atctctacca  | 3429720 |
| gcgatttgga  | atagatatgt  | cccaatttat  | attgtggaaa | tacaaagtgg  | tcgcaggcgt  | 3429780 |
| atacgtcgcc  | attaaattct  | atgactcccg  | catgtccgca | gttttttgcc  | agtgtacaga  | 3429840 |
| tgccgggttg  | ttcgccctacc | cagttggcga  | gggttgaatc | gaacagctgg  | ataaaatatt  | 3429900 |
| cgccctacgtc | attccgtacc  | cattcatcga  | atatggtaca | gaggaagttg  | ccccattgtt  | 3429960 |
| cgggagttac  | tgaaaaatcg  | gtaaccgttt  | cttctgtctc | ttcttctacc  | gaggcaagat  | 3430020 |
| accgtccgtc  | ggcatgtcgg  | aaaatacgtt  | ctacaatcgg | ggtaaaactgg | atataccggc  | 3430080 |
| aacctatctc  | cttaaagaaa  | tgataaaaaat | cgagcggata | gtcgggtattg | aaatcgttta  | 3430140 |
| ccactgccaa  | tgcatctcac  | tctacttgat  | gtttattcag | taagttgatg  | ccttgcatga  | 3430200 |
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| cggtcagcaa  | tgtaccattt  | gtctggatgc  | aattgtcgtg | gattctgcct  | ctgccatatt  | 3430380 |

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| catgccatgt  | aaaaagtact  | tgtggcatgg  | tctgactctc  | aatatattcc  | ttgatgaact  | 3430500 |
| tttccaacag  | ctcgtcgctc  | ataatctgct  | tggaagtgtc  | ttgataaagc  | ttggctttct  | 3430560 |
| ccagataata  | acagtaatgg  | caagccaggt  | tacagagtga  | tccggcgggc  | tttgccatga  | 3430620 |
| tatacatcgg  | acgggcgaac  | ggggcgaatg  | tagtcattgt  | ataataatgg  | tgtaaatata  | 3430680 |
| atattagttg  | ggtgaaaatg  | taaattattc  | tagtgtgatg  | cttcttacgt  | gtacttgctg  | 3430740 |
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| acaactgctg  | cctgccgtac  | aacgggttcg  | catgtctgta  | tgacgggaaa  | gatagtcctt  | 3430860 |
| caaacttcgt  | gctacgtatt  | ctccttgggc  | taccagacgg  | atatgtgacg  | gagtgaactg  | 3430920 |
| ccgtatctta  | tccatgagca  | aaggatagtg  | tgtacaacct  | aatataatgg  | tgtctatctc  | 3430980 |
| gggatcttgt  | tccaacaact  | gatcaatata  | cttgtgtaca  | aaataatccg  | ctcccggaga  | 3431040 |
| attaaactca  | ttgttttcta  | ccaaaggaac  | ccatagtgga  | caagctactc  | ctgtaatctg  | 3431100 |
| aacatcggga  | taaagcttac  | gtacttccag  | cgggtaagac  | tgagatttga  | ctgtccctgc  | 3431160 |
| ggtagcaagt  | agtcggacgt  | ggcgtgaaac  | cgtagattcc  | cctatacatt  | cggcagtagg  | 3431220 |
| gcgtatcact  | cccagtactc  | ggcgactcgg  | gtctatgtgc  | ggaaggctcg  | tttgctgaat  | 3431280 |
| gcttcttaag  | gcttttgctg  | atgcagtatt  | gcaggcaagt  | atcaccagcg  | ggcatcccaa  | 3431340 |
| ttcaaacagt  | ttccgtacag  | cttgtagtgt  | aaattcgtag  | acaacttcga  | acgaacgtgt  | 3431400 |
| tccgtatggg  | gtacgagcgt  | tatctcccag  | ataaatgtaa  | tcgtattggg  | gaagtaattc  | 3431460 |
| acgaatcttg  | tcgaggattg  | tcagtcctcc  | atatccggaa  | tcgaaaactc  | cgatagggtcc | 3431520 |
| tgtagtagaa  | agcatgggga  | aatttgatta  | agaggtgaaa  | aaagaattgt  | cattgaccgc  | 3431580 |
| atccgaagag  | aatgaagtca  | atgacaactt  | tatttttgtt  | acgttgaaaa  | cacgttttta  | 3431640 |
| ctgagcagga  | gttgctgccg  | gtgctgtagc  | cggaaacagct | gtcaagctga  | tacccaactt  | 3431700 |
| ggtcttgatg  | tcgtttgtta  | catctttcga  | cattgtttcg  | tttacataag  | gaatatccgt  | 3431760 |
| acggttcagg  | tcgaatacat  | aagtgtaac   | acctgtagtt  | ccgatagatt  | ttacagcatc  | 3431820 |
| ttccagtttc  | ttgtagatag  | gttccatcat  | gtcagcataa  | gctttctgca  | actgctgctg  | 3431880 |
| tgcatcctgc  | tggaactgca  | tacctttgtc  | agaaagttcc  | tgaagttctt  | tctggcgacg  | 3431940 |
| ttcttgaaata | ttttgtggaa  | gagttttctg  | ttcttgctga  | tattcggcga  | atttcttggt  | 3432000 |
| gaactcatca  | gatgcacgtt  | tgatttcgtc  | ttcatactgt  | ttctgcaatg  | cctgaatgtc  | 3432060 |
| agtttgagct  | tttgcatatt  | ccggcataac  | cgggatgatg  | tccatagact  | tgaagtgtgc  | 3432120 |
| gaacttctgt  | gcgaatacac  | tcacgcggagc | gatgagtaaa  | agtaataaaag | caattttttt  | 3432180 |
| caacataatc  | ttatttgttt  | ctatttgttt  | attaattctt  | gtcttttgat  | tttatgtgct  | 3432240 |
| gtctgtgtta  | gactttgcaa  | aagtataaaa  | ttaatttgaa  | tatcctaatt  | tagagagaac  | 3432300 |
| ttcgttactg  | atatcgatac  | gtggagaggc  | aaaaatcatg  | ctttgtgccg  | atgcacggtc  | 3432360 |
| tataacagca  | tcataatttt  | tctgtgttgc  | aatgtctttt  | atcgcatgtg  | atatggcatc  | 3432420 |
| ttgaatcggg  | ccgatcagtt  | cctgacgctt  | cttcatgcct  | tcaccttcag  | gaccgaaata  | 3432480 |
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| cttttgagta  | gccgatagag  | tagaagcatt  | tttttgatac  | tcacatcata  | gcgtctttgc  | 3432600 |
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| gtttgcttgt  | tcgtaggcag  | gtatctgctt  | taagatgtac  | tccatgtcta  | ccaaggcaaa  | 3432720 |
| tcgttgccgc  | tgtgtggcta  | tgctacacac  | gagcaaggct  | gctagaaaga  | tgattttttt  | 3432780 |
| cataaagcaa  | tgtttttaat  | ataatgaaga  | atgataaatg  | aaaaactcat  | tattcctgtc  | 3432840 |
| gactgttttg  | gaatctattt  | ttcattttctc | attcttcagt  | tcttcattta  | ttgggtctttt | 3432900 |
| ttgttagaat  | tcttgtccga  | taataaagtg  | gaactggctt  | ccgctatact  | gggtagaacc  | 3432960 |
| gttgatcttg  | tcgaagccat  | aagcccagtc  | gatacccatc  | ataccaatca  | tcggcaggaa  | 3433020 |
| gatacgtaca  | cctacaccgg  | cagaacgttt  | caactggaac  | gggttgaaact | tattgacatc  | 3433080 |
| tgtccatgca  | ttacctgctt  | caacaaagcc  | cagcgcatag  | atactgggtg  | agttctccag  | 3433140 |
| catcagcgga  | taacgtaatt  | ctgcacctaa  | acggatgtaa  | gcgtaacctt  | cgctaccgta  | 3433200 |
| tggagtcaga  | gatccgtttt  | cgtaacccag  | caaggcgata  | gtttctgaag  | cgtagttata  | 3433260 |

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| tttgttgaag  | tgtcccagaa  | taccaaactc  | tgtacgagtc  | atgataaccg  | gacatttctg  | 3433380 |
| gatatccatc  | agggcggtat  | aagtttttgc  | tttgaatttc  | catttggtgt  | attcaatcca  | 3433440 |
| cttatacatg  | ctggctgctt  | cttcgtaatt  | gtcttttccg  | taagtagagt  | aatccttctt  | 3433500 |
| actgaacagt  | gagtaaggcg  | gagtaatctg  | taaagaagct  | gtaaactcag  | aaccgtaacg  | 3433560 |
| cgggaaaatc  | gggttatcgg  | ttgagttacg  | cgataatgtc  | aggttcaagc  | ttaagctgtt  | 3433620 |
| gcagttacca  | gtattcatat  | actgtccgtt  | gttcagcata  | atgtacaagt  | agctccagtc  | 3433680 |
| tttcaacata  | aatcgctggt  | aagacaattc  | tgccatcaag  | gtaaagtagt  | catccggcca  | 3433740 |
| gcgaagacgt  | ttaccccaac  | ccagtgaaac  | accaaacatc  | ttgatggact  | tgtccgggtc  | 3433800 |
| gtagtacgat  | tcatagtatt  | cataataacc  | gccgtagtag  | tttccgtaac  | cactcaggta  | 3433860 |
| gttgtaatag  | ttgttcatgt  | aagcagagtt  | ataatactgg  | ctgctgacgt  | cggctctgtac | 3433920 |
| agaatagaag  | gctgataccg  | ataaggagtt  | cggacgctta  | ccaccgaacc  | atggatcaag  | 3433980 |
| gaatgagata  | ctgtacgact  | gatagtatcg  | accgttggtc  | tgaccactga  | tggatcaatgt | 3434040 |
| ctggccatca  | ccttggtgga  | ggaagccacg  | gaagttgtca  | ttcttgcgga  | agaggttggc  | 3434100 |
| aaatgagaag  | ttggtaaact  | tcaagctcaa  | cttaccgatg  | atacctgttt  | gtccccaacc  | 3434160 |
| ggcagagaac  | tctacctggt  | cgtttgcttt  | tgattccagt  | cccagttga   | tatcaactgt  | 3434220 |
| tccgttttctg | tagttaggct  | gcacatccgg  | cttgatattt  | tcaggggtga  | aatgtcccat  | 3434280 |
| ttgcgcaatt  | tcacgataag  | aacgttccaa  | agcctcttta  | ctgaacaaat  | caccgagacg  | 3434340 |
| agtacgaagc  | tcacggcgga  | caacgttttc  | atacaaaccg  | tcgttaccat  | tgatacgtac  | 3434400 |
| gtgactgata  | cttgctgtg   | gaccttcgac  | gatacgcatt  | tccaggtcaa  | tggagtcacc  | 3434460 |
| gtcgatgttt  | acttctaccg  | ggtcgaggtg  | atagaacaca  | taacctcggg  | tataatagtt  | 3434520 |
| attaccgata  | gcacctcat   | cgttactgat  | acggtcgttc  | aacagtttct  | ggttgtatac  | 3434580 |
| atctcctcgc  | ttcatgcgta  | actgctcatt  | cagcaagtcg  | gaaggataaaa | cggatttacc  | 3434640 |
| tacccatgta  | atgtctctca  | ggtaataactt | gttaccttca  | tagattttca  | tgtatacgtc  | 3434700 |
| tactgtcttt  | tcatcgtatg  | gagtaacact  | gtctacctcg  | atgatagcgt  | cacggtagcc  | 3434760 |
| cagctcggtta | tatttatcaa  | taattttctg  | cttatcttct  | tcgtatcttt  | cattgataaa  | 3434820 |
| tttcttttgcg | cggaaacaagt | tgaccagctt  | gccttttttcg | tttgtctttt  | tcatgacacg  | 3434880 |
| cttcaacttc  | ttgtctgtca  | ggacactgtt  | tccgtcgatt  | gtaattttat  | ggacttttac  | 3434940 |
| tttatccttt  | ttatcaatat  | taacatctac  | atatacttgt  | tctttgtttg  | caggggtcttc | 3435000 |
| acgttctaca  | atattgactt  | ccgcattctt  | aaatcctttt  | tcatcaaagt  | gtcttttgat  | 3435060 |
| gatgattttt  | gctcgggtcta | tcaagttcgg  | agtaatctga  | ctacctttag  | ccattcccag  | 3435120 |
| tttagcctgc  | aaatcttccc  | gctcgttttt  | cttaactcca  | ttaaaacgaa  | tatctgtgat  | 3435180 |
| acgcggacgc  | aacgttaagt  | ggatgaacaa  | atagattttg  | ttaccttcta  | ttttttcggc  | 3435240 |
| tgtaatttta  | acatccgaga  | acaagccatg  | gcgccaatag  | cgtttgatag  | cactggtaat  | 3435300 |
| atcatcacc   | ggtacagtaa  | ttgtctgtcc  | cactgcaagt  | cctgaaatac  | ctatcaagac  | 3435360 |
| ataatcttcg  | tagttatcaa  | tatttgtaac  | tttgatgtcg  | gctatttcat  | actttttagg  | 3435420 |
| tgtaccatta  | tataaaatta  | ccggcttgct  | attttcggta  | ttggtatttt  | cttgtgcatg  | 3435480 |
| taccgttgag  | aaactgaaca  | tgcaagccaa  | agttaatagg  | atgaggtaaa  | aacagtatcg  | 3435540 |
| catttcttat  | ttcaatat    | gttcaactgt  | tttgccgaat  | cggcgttctc  | ttctttgata  | 3435600 |
| atcacagatt  | gctttacaca  | gctcttcttc  | tttgaaatcg  | ggccagtatg  | tatcacaaaa  | 3435660 |
| ataaagctca  | gaataagcac  | attgccatag  | caagtagtta  | ctcaggcgta  | tttcgccgcc  | 3435720 |
| cgtacgtatc  | agtaaaccg   | gatctggcat  | aaaattagtg  | gccagatgct  | gatcgatggt  | 3435780 |
| tcggctcggtt | atactgttta  | tgtttagttt  | accgctgact  | gctttactgg  | caatctgtcg  | 3435840 |
| gacagcattg  | gttatttccc  | atttagaaga  | ataacttaaa  | gccaaaacta  | aacacatgcc  | 3435900 |
| tgtattttgt  | gaagtacgct  | gtacacattg  | attcaaccgg  | ttctgaacat  | cggttggtaa  | 3435960 |
| tttctcagtg  | tctccaatta  | tacggaaact  | gatattgttt  | ttcataaaaag | tttcttcctc  | 3436020 |
| gatggaatcc  | atcagaagac  | tcatcaaagc  | tgcaacttcg  | tctgcgggac  | ggctccagtt  | 3436080 |
| ttcggtagaa  | aatgtataaa  | gtgtgagaaa  | ctttactcct  | aggcgtgctg  | cttcttctgc  | 3436140 |

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| aatgacatga | actgtttccg | cacctgcctg | atgaccgaac | gagcgggctt  | gccccggtt  | 3436200 |
| tttggcccat | cgaccgttac | catccatgat | gatagcaata | tgagcgggta  | ttcgtgtctt | 3436260 |
| gtccacttgg | tctttatata | gcatagcttt | cagatttaga | tttattccca  | tttgggcaga | 3436320 |
| aaaccaaagt | ggtttacacg | tcctctgctc | atgtatccat | tgttccaaat  | aatccagatg | 3436380 |
| aagttgtttt | gatctactat | acatgagtaa | cttccttcac | ctttattttt  | gcctttgttg | 3436440 |
| tataactcaa | cgaaagatgt | accttccgtt | gcaaaggcca | tgttttcttg  | tacggcttcc | 3436500 |
| catgtcagac | cattatctgt | tgaacagaag | aatgtgctaa | atggtgattt  | ataatcagta | 3436560 |
| taatcttggc | tcgttatttc | accgccgaac | acataatact | ttttgttgta  | gtagatgaat | 3436620 |
| gaaggatcga | cgatattagg | gcatctgaat | gtatcagtct | gctcataatt  | ataggaactc | 3436680 |
| cacatttcat | cgtttgtcat | gcgtgtagct | acgaaaccg  | agcctttgac  | ttttgtggaa | 3436740 |
| ttatatccca | gcaggataga | acgggtagg  | ttgttattat | aagaaacggg  | aatatttgct | 3436800 |
| gatatgattt | tttgcctttt | gcttggaac  | tcagaaagat | tggactgttc  | tgttggtccc | 3436860 |
| gtcttacttt | gcacattgta | tataaagat  | tcattattgg | ctgtacgagc  | atatagtga  | 3436920 |
| ttgtcaatgc | ttgttaaaag | ctgatctaaa | gcgactgata | gattctgact  | ttcatatcca | 3436980 |
| ttgtcggcca | gtttgtacaa | ttcctgattg | acaaggaaat | aaatgtttcc  | ctgacacaat | 3437040 |
| gttgcagaat | aagtgtcagt | ctgttgtggt | aacgcaatag | cagtccatgt  | ttttcccggg | 3437100 |
| tttccgtttg | aaaccgttgt | atattcagca | accatctttc | cttcagaggt  | ttgcccgaat | 3437160 |
| acataaatac | aattgtttat | ataaactgcc | ttttgtttgg | ttagtgtacc  | tgaagtaaat | 3437220 |
| gcgctaccca | tgagttcctt | gttccactgc | aatgagtctg | gttcttgctg  | gtgtacgttg | 3437280 |
| actttcacat | ggtaagcctt | tcctaccact | ccgctatagg | ccaatacctt  | aaatgtcaga | 3437340 |
| ccttcggatg | gcgcaaacga | aaaattaata | gaatcagtcg | aagtccaaag  | tgtatctttg | 3437400 |
| gcttcggcac | cttttgaggt | tattttccca | tagagaatat | aattactgtc  | ggctgtaatg | 3437460 |
| ttcgtaatga | ccctcgatat | atcagttcct | acaggaagtg | aatccttatt  | ctcgattgtt | 3437520 |
| ctcatagcct | gattgatcgt | aaaaggataa | ttcgccatcg | aaatagtatc  | tgtgtacgta | 3437580 |
| gaatcttcac | ctttcgaatc | tttcccaact | cgtttgacat | gtaatgttcc  | gagtgagaat | 3437640 |
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| agagtgaagt | ctttatctat | taccagacgg | acaggatttt | ttccgtacca  | gttgctgtgc | 3438300 |
| gttagtgacg | gattatccag | taatgcagtt | ctacggccca | ctaagatagc  | atggtgttct | 3438360 |
| gcacgctgtt | tgtgtacgta | cattaatgtg | attggcggtg | agagtacgac  | aggctgacct | 3438420 |
| tcttcacggt | ttatatcgat | aaatccgctg | gcagattcag | cccatttcag  | ggtgatgtac | 3438480 |
| ggacgttgtt | gggtattgaa | tgttacaaaa | cgcttgatta | actggcggca  | ttctgcttcg | 3438540 |
| agtactccta | cctttacatc | aatacctgca | tcttttagtt | tttgaatgcc  | tctgcccga  | 3438600 |
| acaagagaga | aaggatcgac | acatcctact | actacacggg | ggataccctt  | tcttatgatc | 3438660 |
| aaatcggcgc | aaggaggtgt | tttcccataa | tgagagcatg | gctccagact  | gacgtagatg | 3438720 |
| gttgattcct | gaagcaggct | ctcgtctttt | acggaacgga | tggcgttaac  | ttcagcatgc | 3438780 |
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| gctcctacca | tggggtagg  | agcagcatta | cacatcccat | tgcgtgccag  | ttggatgcag | 3438900 |
| cgccggatat | atttttcgtc | ttttgtcata | gtcggtttct | tttttattct  | tacatttgtg | 3438960 |
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| ctctatgcgg  | gcaaagatat | gaatttttct  | acgaaagagt  | atgccaaagct | ggaagatatt  | 3439140 |
| ctttcccgtc  | tcaaacgata | tgaacccttg  | caatatatat  | tgggaaagac  | gaccttttgc  | 3439200 |
| ggcttgcctt  | ttgaagttgc | tcccgggtga  | ctgatacctc  | gtcctgaaac  | ggaggaactg  | 3439260 |
| gtggactgga  | ttatctctga | ttatttagaa  | aaatcggag   | tacggatact  | tgatatcgga  | 3439320 |
| acaggcagtg  | ggtgcatccc | aataacgttg  | gccaggagtt  | taaaaaatag  | taaagtaacg  | 3439380 |
| tcatgggatg  | tgtcgccaga | ggcattggcg  | atagccgaac  | gaaataaacg  | gctgaacgag  | 3439440 |
| gttgaaataa  | cattggcaca | aattgatata  | ttcgattcta  | cgttaccaga  | aattcatgct  | 3439500 |
| gatgtcttgg  | ttagcaatcc | accttatgta  | acggaaaagg  | agcgtagcga  | tatggagcgt  | 3439560 |
| aatgtcctgg  | attgggagcc | ggaactggca  | ttgtttgttc  | cggacagtga  | ccctttgttg  | 3439620 |
| ttttatagaa  | gaatagcgga | agtaggatgc  | gatatcttat  | cttcgggagg  | tatattatac  | 3439680 |
| tacgaaataa  | atcgtgcgta | tggtagcgaa  | acagttacat  | tattggagca  | gatgggatat  | 3439740 |
| aagtctgttg  | aactacggaa | agatcagttt  | ggtaacgacc  | gtatggtaaa  | agcactcaga  | 3439800 |
| ccatgaaaga  | atatacgga  | aatgaattga  | aatataaagc  | tgaggcgtat  | tgttccgcta  | 3439860 |
| cggaacattg  | ccccttcgag | gttatgacga  | agcttagtca  | gtggggtgcc  | gatgaagcaa  | 3439920 |
| tgtcggaaacg | tatattgttg | cacttgcaaa  | aagaacgcta  | tgttgattct  | gctcgttact  | 3439980 |
| gccgtgcgtt  | tgtgcgcgac | aaatatcggt  | ttgcccggtg  | ggggagaatg  | aagatcgttc  | 3440040 |
| aggcgttgcg  | gatgaaacat | ctttcttctg  | aagatattga  | ggctggtatg  | gcagaaatag  | 3440100 |
| atgaagaaga  | atacgaaaaa | ggattgcgcg  | atttattgcy  | tcaaagagc   | aagtccgttt  | 3440160 |
| ctgggagaaa  | cgaatatgag | cgtaatacta  | aacttattcg  | ttttgctgtt  | ggcagagggg  | 3440220 |
| ttacgatgaa  | tgaagtatta | cgttatgtaa  | aacaggccga  | tcccgatgaa  | cttatggact  | 3440280 |
| gatatagtgg  | aatttttctt | tcctcgttta  | tgtctgtcgt  | gtggaagaaa  | attattactg  | 3440340 |
| gcagaagaag  | gactttgcat | atcgtgtctt  | gccggattgc  | cgtataccaa  | attaggtaac  | 3440400 |
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| agtgggtatg  | cacgctggaa | aaatgtagaa  | ggtttgtttc  | agccgactgt  | aaatgcgccc  | 3440820 |
| aaattagaag  | gaaagcacat | tttgttggtg  | gatgatgtct  | tgacaaccgg  | tgctacgctg  | 3440880 |
| atagcttgcy  | ccgatgcctt | gtcggaaacta | aaaagtataa  | gaataagtgt  | gcttacttta  | 3440940 |
| gcatgggcac  | ggtaagcaat | atggtttctt  | taactaaaaa  | atatacacat  | atatttcata  | 3441000 |
| ttcacgtagg  | atttacataa | ttttgcacca  | acgtttatca  | gatataattta | aggtatgaaa  | 3441060 |
| gctttggaaa  | gattatttgc | agaaaaatta  | ctgaaagtaa  | aagccgtaaa  | aattcagccg  | 3441120 |
| gctaaccctgt | ttacttgggc | ttctggttgg  | aaatcgcccta | tttattgtga  | caatcgtaag  | 3441180 |
| actttgtctt  | atccggcatt | gcgtaatttc  | gtaaagtttg  | aattgtgtcg  | cgtaattctt  | 3441240 |
| gaaaaatttg  | gtgaggtaga | tgctattgcc  | ggtgtagcaa  | caggagctat  | tgctcaagggt | 3441300 |
| gctttggtgg  | ctgaagaatt | gaacctcccg  | tttgtatatg  | tacgttcaag  | cccaaaagat  | 3441360 |
| catggccttg  | aaaacctgat | agaaggtgaa  | cttcgtccgg  | gtatgaagggt | agtagtggtg  | 3441420 |
| gaggacctga  | tctctacagg | tggaagcagc  | ttgaaagctg  | ttgatgctat  | ccgccgcaat  | 3441480 |
| ggatgtgagg  | ttatcgggat | ggtagcttct  | ttcacttatg  | gattcgatgt  | ttctgtagaa  | 3441540 |
| gccttcaagg  | aagcaaaagt | agaactggtt  | acattgacca  | actacaatgc  | agttctggat  | 3441600 |
| gcagccttga  | aaactgacta | cattgacgaa  | caagatatcc  | ctgttcttca  | ggcttggaga  | 3441660 |
| aaagatcctg  | cacactggac | aggaaaataa  | ttcaacatta  | aatattattg  | ggcacggatt  | 3441720 |
| acacggagtg  | cacggtttct | cagcaaatcg  | tgttatccat  | gcaatccgtg  | ttctttttta  | 3441780 |
| tgtaaaaaaca | gcattatggt | acaatttgaa  | agcactgtaa  | agcatgttcc  | ttatagccag  | 3441840 |
| gaacgagtat  | ataataagtt | gtccgacctg  | agcaatctgg  | aatcggtacg  | tgaacgtctg  | 3441900 |

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|             |            |             |            |             |             |         |
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| gatgatgatga | aggaaaagt  | ggcaggcaag  | gtagaagatt | tgtctttcga  | ccgcgattca  | 3441960 |
| ctgaccctaa  | aagtacaagg | tatcaatctg  | accttgcgta | tcattgaacg  | tgaaccgatg  | 3442020 |
| aaatgtgtca  | agttcgaagg | agacaaaacc  | cctgttcctc | tgaacttgtg  | gatacagata  | 3442080 |
| cttccggtta  | ccgaagagga | ggcaaagata  | aaagttacta | tccgcgccga  | agtaaacadg  | 3442140 |
| tttatgaaag  | cgatggatc  | gaaaccattg  | caggaaggag | tggagaagct  | ggtagatatg  | 3442200 |
| ctggctatga  | taccgtatta | atttaaatac  | atcaagaaac | tatggctcag  | aaactttggg  | 3442260 |
| aaaaaagtgt  | tcaggtaaac | gaggaaatag  | atcgctttac | cggttgaaga  | gacgtgaac   | 3442320 |
| tggatcttta  | tctggcaaaa | cacgatgtgt  | tgggttcgat | ggctcatatc  | acgatgctgg  | 3442380 |
| aaagtatcgg  | gctgttaact | gccgatgaat  | tacaagtctt | actgaaagag  | ttgaaaaata  | 3442440 |
| tttatgcttc  | ggccgaacgt | ggagagtttg  | tcatcgagga | tggatataga  | gatgttcatt  | 3442500 |
| ctcaggtaga  | actgatgttg | acgcgtaaata | tgggagatat | cggtaagaag  | atacatagcg  | 3442560 |
| gacgctcacg  | taacgatcag | gtactggctg  | atttgaagct | ttttaccctg  | gaacagatca  | 3442620 |
| agcagatagc  | tgaagctgta | caagacttgt  | tccatgtgtt | gattttctca  | agtaataaat  | 3442680 |
| acaaggatgt  | cctgatgccg | ggatataccc  | acctgcagat | tgctatgcct  | tcttccttcg  | 3442740 |
| gtttgtgggt  | cggggcatac | gccgagagtc  | tggctgcagc | tatgatgttc  | cttcaggctg  | 3442800 |
| cttataagat  | gtgcaaccgt | aatccccttg  | gttcagctgc | cggctatggc  | tcttcatttc  | 3442860 |
| ctctcgatag  | agaaatgacg | actcgtttgc  | tgggttttga | ttcaatgaat  | tacaatgtgg  | 3442920 |
| tttatgctca  | gatgggacgt | ggcaaaatgg  | aacgtaacgt | ggcttttgcc  | ttggcttcca  | 3442980 |
| ttgccggaac  | ggtttcgaag | atggcttttg  | atgcctgtat | gttcagttgt  | cagaatttcg  | 3443040 |
| gctttgtaaa  | attgccggac | gaatgtacga  | caggttccag | catcatgccg  | cataagaaga  | 3443100 |
| acccggatgt  | attcgaactg | actcgtgcaa  | aatgcaacaa | actgcaatcg  | cttccgcagc  | 3443160 |
| agattatgat  | gattatgaac | aatctgccgt  | ctgggtattt | ccgcgatctg  | caaattatta  | 3443220 |
| aagaagtctt  | cctacctgca | ttcgctgaat  | tgaagactg  | cttgcgaaatg | tcggcttata  | 3443280 |
| tcatggataa  | gatcaaagta | aacgaacata  | tactggacga | tgataaataat | atctacatgt  | 3443340 |
| ttagtgtaga  | ggaggtaaat | cgtctggcag  | cagcaggcat | gccgttccgc  | gatgcttata  | 3443400 |
| aaaaggtagg  | actggatatt | gaggccggaa  | aatttacaca | cagcaaagaa  | gtacatcata  | 3443460 |
| cacatgccgg  | aagcatcggc | aatttgtgta  | acgataagat | tacagctttg  | atggaagaag  | 3443520 |
| tttcaaaaagg | ctttaatttt | acggcagtag  | aggaagcaga | aaagaagctt  | ttaggccgat  | 3443580 |
| aaacagcttt  | ttttgagaag | aaaacgggag  | aaatgttttg | agcttattgt  | aaaactccct  | 3443640 |
| acatttgcac  | ccgtaaatac | ggaaatagct  | cagttggtag | agcataacct  | tgccaagggt  | 3443700 |
| agggtcgcga  | gttcgagtct | cgttttccgc  | tcttttaagg | ctgctcgaat  | gggtggaatcg | 3443760 |
| gtagacacga  | gggacttaaa | atcccttggc  | cattgcggct | gtgcgggttc  | aagtcccgc   | 3443820 |
| tcgagtacga  | atcaatagtt | atatcccttg  | taagttaatt | gcttatgagg  | gatttctttt  | 3443880 |
| tattggcata  | aacatagcat | acaagggtc   | aacgtaaaaa | cctgagggaat | tcgttgatta  | 3443940 |
| ggcataaaatt | ttagccagcc | tgaacaaaag  | aaggccttat | cttttactcc  | tctgaacagt  | 3444000 |
| gaacggaaact | ctttattttt | acattgaagg  | attctggcaa | gtcttgtcaa  | tgtggtattc  | 3444060 |
| ttatgcttcc  | actggtgata | tatcagtcgg  | aatctcattg | aaagatagta  | agctttcttt  | 3444120 |
| atatcgggat  | attctctgaa | gaggatttcg  | gcacgctgtg | attcgatcca  | taaggactct  | 3444180 |
| ttctgaatca  | ttgacgaaaa | agggttatct  | cttacgagat | ttactttgtg  | attaatcatt  | 3444240 |
| ggttattcat  | gatcttatcg | ccaagaacaa  | aaattttttg | tacaaatttt  | aaaaaacgt   | 3444300 |
| ctcgagaagt  | tgattaaaag | atgccgacgt  | tttccttaaa | accaaaaatt  | ttttagatgt  | 3444360 |
| ttttgccctt  | cacgctcttc | acaattactt  | ataatcagca | gttcaaataa  | gttttttcaa  | 3444420 |
| aaattagatg  | gatgtaagag | agcaatagtg  | tatgtatgtg | aagggcgtga  | agggtaaaat  | 3444480 |
| tagaagattt  | cttttctttt | agacaccaat  | tcggcaacat | tttttagcatt | cagtttctcc  | 3444540 |
| atcaatcgtt  | ttcggtatgt | ctggatcgta  | ttggtactta | aacataataa  | ggctgctatt  | 3444600 |
| tgagaggtag  | tgagaccttc | cgccagggtg  | gaaagtactt | ccttttctcg  | tttggaaggt  | 3444660 |
| tccggtattt  | tatgaccttc | ggtggttgac  | tttcgtttgt | tgagggttgc  | gaagccctca  | 3444720 |
| ctaaagtact  | tattccccat | tctgatgctt  | gtaatggctg | tacttaactc  | actggtgtca  | 3444780 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gtgtgttttg  | aaacagcccc  | ggaaatgttt  | aattctgata  | gtcgggcaat  | gacccacggc  | 3444840 |
| tcttcatgca  | tggtataaat  | cagaattttg  | catgacggta  | gttcgtcttg  | taagatatgg  | 3444900 |
| atgaactgga  | acccgtttgt  | gtcaggaaat  | tccagatccg  | taatgcacat  | gtcaaactgt  | 3444960 |
| tcggaagcga  | ttacggacaa  | taggtctttc  | aagcaagtaa  | tacttttaca  | tgttatatct  | 3445020 |
| ttttgtcgag  | aagcgatggc  | tgcaatacct  | tctgctacga  | tgggatggtc  | atcgatgatg  | 3445080 |
| agtaatttgt  | atatgtcggg  | attcatggtc  | atgataatth  | taattgaagt  | gtaaatatat  | 3445140 |
| tgtttttttc  | agacgattct  | cgggtgataa  | taccgttaat  | gctcttggcg  | cggtcgttta  | 3445200 |
| cagtacgtaa  | tccaattcct  | ctgtctttcg  | tttcgtgagg  | tatagatatt  | gtgctgtcgt  | 3445260 |
| ctattatttg  | taatataatat | acttgttgat  | gttctgtata  | cagcttgatg  | gatatatgat  | 3445320 |
| gggcatctgt  | atgtcttatg  | atattcatgg  | taatttcttg  | cacgatgcga  | tatagttcat  | 3445380 |
| gagctgtttc  | gtttggtaac  | aagcgagaac  | ctttatcagg  | aatgcctgaa  | taagttactt  | 3445440 |
| ttatccccgt  | attgttgctt  | aacttatcag  | cgtattgata  | tagtatctcg  | tctaagggtca | 3445500 |
| gatgtaaaaa  | ttcaggtggc  | atcagttcgt  | gtgagatatt  | gcgtacatta  | tttctcaatt  | 3445560 |
| gtttgataag  | agcacttaac  | tcttgagtat  | aatgggggta  | gtagagtttt  | ctaccttcat  | 3445620 |
| ttgtaatcct  | aataagtcgt  | tagctatacc  | gtcgtgtaat  | tctttggcaa  | aatatthtaca | 3445680 |
| ttcagcttcc  | agccccctcaa | tatatthtctg | ggcagaattc  | aattcattht  | cctgttggaag | 3445740 |
| ttgtcggatt  | tttttctcta  | caattthttht | tcttgtaacg  | taagatgaac  | aaggctatta  | 3445800 |
| agataataat  | tagtagacct  | acagtagata  | ttgcagctth  | aagtaaggcg  | gtttggtgctg | 3445860 |
| taagcttht   | ttgttgcaac  | cgattthtth  | gtagctctth  | ttcctgcatt  | tggattthta  | 3445920 |
| cattcagttc  | agccatctth  | tgagtcaggt  | tttgctgtgc  | aagcgtatcc  | gtccacatac  | 3445980 |
| gtgcactatc  | catgtatgtg  | taagctaatt  | gttgthtctc  | tatcgcgtta  | taacagttag  | 3446040 |
| ctatttgtht  | caggattgth  | tcgggctcac  | tacctgtatc  | ctthtccgc   | agccacaaaa  | 3446100 |
| gatcttgtag  | cgctthtctg  | taattthtth  | ggtgtattht  | tgtggaggct  | cgtattthgga | 3446160 |
| taaagcctat  | ggcaggaatg  | ctgttcacag  | gagthttht   | tagtaattcg  | ttccctaatt  | 3446220 |
| gaagatagta  | gtctacggag  | tctggttgct  | ctthtcttht  | aaaaattctt  | aataaagaag  | 3446280 |
| gcatgcatcg  | cattthtccat | cttgthttagt | taccgtctgc  | atggcaggcg  | atatcccaag  | 3446340 |
| ctthtgcggat | agaatatgth  | gcctcatcca  | gtthtthtth  | ttcaacttht  | ataccagacc  | 3446400 |
| ggagthtcca  | ggtactgaat  | gttacaaatg  | gatcgthtth  | ttcggtagcg  | tgtcttgctg  | 3446460 |
| ccaagtcggc  | atattgthtca | gcttcggtag  | tcatccggat  | gttaaaataa  | aatatggata  | 3446520 |
| tattattgta  | aatatgggta  | atccaactth  | cgtctthtth  | ttttaaggcg  | gcatcaagtg  | 3446580 |
| ctthtgttata | ataatagatc  | gttgagtcat  | tcatatgccca | cctgcgataa  | aggatagcca  | 3446640 |
| ggtcattgta  | tatactaata  | tgthtthtcca | gatctthtth  | ttgggacaga  | tagggaagga  | 3446700 |
| cattctthtth | catggtaaaag | gcttgthtct  | cttctcctaa  | atatactaata | aaggtagcct  | 3446760 |
| gttcgthtcag | taaaatagga  | taaacgggag  | actgctthtth | tttggttacg  | gcaaaagcac  | 3446820 |
| tgtcgaaaac  | ctcttgthtct | gccttaaaac  | taccttctat  | catgagatta  | gtagctcgac  | 3446880 |
| tatataaaatg | cattagtaat  | gaatcagtcg  | ggatatcagt  | tgaataaagc  | ggacaagtg   | 3446940 |
| caagtagcag  | tagtattact  | aatagatagc  | ggtagattat  | cttcattctg  | cttgctcgat  | 3447000 |
| ttgtthtaggt | ggcaaataata | tatatthtth  | ttcgtataaa  | atthtthtct  | cggcagaaat  | 3447060 |
| gtgttaggta  | acatacgtga  | tattccgaaa  | aatcacttht  | ttaggtgaca  | aattgtaata  | 3447120 |
| gaattthtth  | attaatttht  | aaaagatgat  | taagatggag  | tatcttgctt  | ataagtaagg  | 3447180 |
| ataaaagcca  | tagatgactc  | tgaaagagaa  | atgatcatta  | tctatgaata  | gatcatagct  | 3447240 |
| tgcagattgt  | cttgthtggta | gtthttaaag  | agaatcttht  | tgaagthtga  | tatgattgaa  | 3447300 |
| gatatgggga  | ctccgagaga  | ctctthttaa  | tcctthttht  | tttagthtgg  | gtaagaaaaa  | 3447360 |
| tccttctact  | ttagthttht  | ttaagtaaac  | gaggctgagt  | gaagggtatta | tctthttht   | 3447420 |
| atgaagtaga  | tagaagtht   | aaacgatgga  | agggtaacct  | tgaacagtht  | actggthtga  | 3447480 |
| tgtctctgct  | ggatgatacc  | tagcatcgth  | tttacaattg  | taggatttht  | tgccgctaca  | 3447540 |
| tcatggtctt  | catgaatatc  | ttctthtcag  | ttatagagth  | agggaactcc  | ttctthtgata | 3447600 |
| aggagcttcc  | agtcgccccat | gcgtacggcc  | atctggtcgg  | tttcatgaaa  | ctcccagtat  | 3447660 |

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| ccgtcgaatt  | catctttatt  | tttcccata  | aacttcttgt | cgccaatcaa  | ttcgcagaag  | 3447780 |
| gtggggagaa  | tatcgtagaa  | agtaagctgg | tgatcgttgg | ttgttccgct  | tgcaatatgt  | 3447840 |
| ccggggccagc | gtacgataaa  | tggaaatcgg | attcctcctt | catagcattg  | acgtttgagc  | 3447900 |
| cctctcagtt  | tgccgtcgcg  | tccgaagaaa | gaaggatcgg | ctccaccttc  | ttcgtgaggg  | 3447960 |
| ccgttgtcac  | tgctaaagaa  | aatgatggta | ttttcatcca | gccctttttc  | tttaagcttt  | 3448020 |
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| aattttctttt | tatagccgtt  | gaagatggaa | tcgtgaggct | gagctagtgc  | ggcatgggga  | 3448200 |
| agagtgtatg  | taaagatacc  | acagaacggg | tgatctcctg | tctgtgtatc  | cagccatttc  | 3448260 |
| agcgcttctt  | gatggataag  | gtctgcccga | tattgcccga | gcttgaaata  | gtcgtcgccg  | 3448320 |
| aacatcggat  | acttgatatt  | ttcttctagt | acgattcgtt | tcacttcctt  | atcacctttc  | 3448380 |
| gagcggctat  | aacgggttcag | gaaattggga | tagtataggt | gtgcctggaa  | ctgacaaatg  | 3448440 |
| tatccataga  | attcgtctac  | gcctcgcttg | tcgggagtag | accaggagcc  | ttcgtaacct  | 3448500 |
| cctgcccatt  | tgccgaacat  | tccggttgta | tatccgtgtt | ttttcatgac  | ttcaggtagg  | 3448560 |
| atgacatgag  | tagaatcata  | cggttcctga | ccgacaacag | cgtaatcttt  | gttttctccg  | 3448620 |
| taggttacga  | cagcggactg  | tggccagtat | tctttgttgc | ctcgtacgtg  | ggatgtgccg  | 3448680 |
| ctgtgctgcc  | cagtcattag  | agttgcacgt | gatggagcac | ttaccggact  | tcctgcatag  | 3448740 |
| gcttggtgga  | agcgatttcc  | ttctgcccgc | atctggtcaa | tattaggagt  | gtttatgtat  | 3448800 |
| ttttgaccat  | agcaacctaa  | gtcgccatat | cccatgtcat | cgcatagtat  | aaagatgata  | 3448860 |
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| ccttcttttt  | tcataatatt  | atttatattc | ttagggttta | tttgtttctg  | tccggtaaaa  | 3448980 |
| ctccggatag  | atagtataat  | ctgttcgcgc | gtgtgccgaa | gcgtatagtt  | tacaaaattta | 3449040 |
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| tgagtttcgg  | gagtgagcgg  | gcagtgaagg | gatacgaat  | ccgattgctc  | aagtaactca  | 3449580 |
| tctaaagtga  | cgaagtgaat  | gaacgaagg  | tcattaccgg | ttacgtgacg  | tttgttgctt  | 3449640 |
| agaattgtac  | atccgaatgc  | atggcatagt | tcagctgtgc | gtgttccgat  | agctcctgca  | 3449700 |
| cctacgatgc  | cgacagtcct  | acctctcagt | tcacatccta | ccagaccgtc  | tttgggtctt  | 3449760 |
| ccttcccggc  | agcgctcaga  | tacctgaggt | acgtttcggg | gtagagaaat  | catcatacaa  | 3449820 |
| agggccagtt  | cggctaccga  | ctgggtagaa | tatcctgcgg | cattgcttac  | ctgaattcct  | 3449880 |
| ttagcacggg  | cagcttcgag  | ggcgacatgg | tctactcccg | ttaaaggctac | atcgatatat  | 3449940 |
| tttagttttg  | aacagctgtt  | gataacttct | gcgctgagcg | gcataattggc | tattatgagg  | 3450000 |
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| ttaaactcat  | gtccggcttc  | tgtagcgga  | gctgtgtggc | gttgtaagga  | agcttcgctg  | 3450120 |
| attcccagtg  | attctaataa  | tacgattttc | attattttat | tgttttgctg  | tagatgaatt  | 3450180 |
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| atagccgaca  | aaaagattga  | cgagaatacg | ataatggaga | aggcatgcgg  | aagctcttct  | 3450300 |
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| atggacagac  | ttgtcatacg  | cttcatgata | gtattcacat | tgtttgaaat  | gatggaggcg  | 3450420 |
| aaggcatcca  | tggttccggt  | caggatatca | ctgtagatat | tgaccatgtt  | gtgtgcttgt  | 3450480 |
| ttcagttcaa  | tcaatacatc  | gtctgttagt | tccggattct | gatagtcttt  | ttcactgaaa  | 3450540 |

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| atattttgta | gtttaccaat | catgacttca  | ttgccacgaa  | tggaggtggt  | gaagtatacc  | 3450600 |
| agtgttttct | gtaagttcat | caggcgaagc  | aaatcctcgt  | tctttatgct  | tctttccagt  | 3450660 |
| tctttttcgg | ccgtactcac | ttcgttggtg  | atgtgcttca  | gatatttcag  | aaaccatact  | 3450720 |
| gccgacgagt | agatgatgcg | taaaatcaat  | tcgtgcttat  | tgggcacatt  | gatgccctta  | 3450780 |
| cgacaagtgt | gctgaatgaa | atcgggtatc  | atttcggtag  | aaaaatagca  | gatagatacg  | 3450840 |
| atgatctcat | tgttggttat | gataccgatg  | ggtacagttg  | tatatggaac  | tttctgatgt  | 3450900 |
| ggtgtctgga | tcgggatacg | caggatggtg  | agtagccagt  | ttccttccgt  | atccgtacga  | 3450960 |
| ggacgttcgt | cggtatcggc | tatatcattt  | aaaaatgagg  | caggaaacttt | cagttcttct  | 3451020 |
| ttcaggaatc | tgaatcatc  | gtcagtaggg  | cattctacat  | ttaccagca   | gttgggttgc  | 3451080 |
| cagttcggaa | tttccataaa | accggctccg  | ctgtaaagat  | actttctcat  | tgcattgctc  | 3451140 |
| ctttcttggt | ttgtgtccgc | cggcagtaag  | caaggcaatg  | aaagctgatt  | caagccccgg  | 3451200 |
| tttactcccg | gaggagaaag | ttaatactac  | atgtacacgt  | tcgcgagttt  | gaatcgtcca  | 3451260 |
| taaattaatt | tcttatttcg | ggttacaaaa  | aaaagctcgc  | ctttcgacga  | actttcttgc  | 3451320 |
| tcttcagggt | ggacttgaac | caacgaccct  | ctgattaaca  | gtcagatgct  | ctaaccgact  | 3451380 |
| gagctactga | agaagattaa | atataattta  | aaagaatggc  | tcttcagggt  | ggacttgaac  | 3451440 |
| caacgaccct | ctgattaaca | gtcagatgct  | ctaaccgact  | gagctactga  | agaatcattt  | 3451500 |
| tgcaatctga | gtcttttgct | cttcagggtg  | gacttgaacc  | aacgaccctc  | tgattaacag  | 3451560 |
| tcagatgctc | taaccgactg | agctactgaa  | gaagggtttt  | ctcaattgct  | acgcaaagggt | 3451620 |
| agtaggatat | tttgaaatat | gcaatatctt  | tgcaaaaaaa  | atatagataa  | atggataaaa  | 3451680 |
| ttgttggaat | tggcaacgct | ttggtggatg  | tattggttct  | gatggatgat  | gacaaaatgc  | 3451740 |
| tggaggacct | gcatttaccg | aaaggaagca  | tgcaattgat  | agataaaaaa  | acattatttg  | 3451800 |
| aaatacgaga | aagaacggtt | gggcagaagt  | tgcatcgggc  | aaccggaggg  | gctgctgccca | 3451860 |
| atacgatatg | tgcaattgca | gaattggaag  | ctcagacagg  | attcatcgga  | aaagtgggga  | 3451920 |
| gagatgagtt | tggtagattc | ttcgagcaga  | cattaaagaa  | gcgaggcgta  | gacacttctt  | 3451980 |
| tgttgaagtg | tgactgtcct | tcgggagttg  | cgtctgcttt  | cgtttctgct  | tgtggagagc  | 3452040 |
| gtacctttgc | tacctacttg | ggagcttcgg  | ctaccttggt  | tgccgacgat  | ttagcacgct  | 3452100 |
| ctatgtttga | aggttactcc | tacttatata  | tagaaggata  | tctttttaca  | gaccacgatt  | 3452160 |
| tgattgtccg | ggctatgcgg | ttggcaaaaag | aaatgggatt  | gcaagtttgt  | ctggatatgg  | 3452220 |
| caagtttcaa | tgtcgttgag | gctgaacgag  | acttttttga  | tatgctgata  | acaaagtatg  | 3452280 |
| tcgatattgt | tttcgccaat | gaaagcgaag  | cacgggctta  | taccggaaaa  | gatccgcagg  | 3452340 |
| aagctttaca | ggagattgct | tcaaagtgtg  | gtatcggtat  | tattaagacc  | ggtaaagatg  | 3452400 |
| gctcgctgat | aaagaaagga | actgaagaaa  | tacaagcaaa  | accgctgccg  | gtaaagaaaag | 3452460 |
| ttgtcgatac | caccggagct | ggtgatttct  | atgcggccgg  | ttttctttac  | ggtcttacgt  | 3452520 |
| gtggttattc | gctcgagaag | tgtgctcaga  | ttggtactat  | tttggtctgt  | tctgtcattc  | 3452580 |
| agactgtagg | aactgctctg | acaaagaaga  | aatggaacga  | aataaagtta  | aatattgaag  | 3452640 |
| ctgttctgca | agcctgaacg | gaataatgtg  | tttatttgtg  | gttaaaatca  | ttgattatga  | 3452700 |
| atacgaagaa | aacgttgata | ggagtgtttg  | ttgttgtgct  | gggactggga  | ttatctagtt  | 3452760 |
| ttaaggacga | cgatcgtaat | tttcagatag  | caaaaaatct  | ggatatcttt  | aattctatatt | 3452820 |
| tcaaggagct | cgatttggtt | tatgtcgata  | cgatcaatcc  | tgagaaaatg  | attcagaacg  | 3452880 |
| gagtaaaccg | catgttggca | ctgaccgatc  | cgtatacggg  | gtattatcct  | gaagaagggtg | 3452940 |
| tcagtagctt | gaaggaaatg | attaccggaa  | aatacggagg  | tataggggct  | gctatccgat  | 3453000 |
| attataagaa | gaaagatcgt | atagccattg  | tggagcctac  | ggaaggatatg | ccagctgctg  | 3453060 |
| aggctggtgt | gaaggcggga | gatattattc  | tttcggttgg  | aggaaaagat  | atggtacgtg  | 3453120 |
| gcgatatgaa | gcctcaggac | ttctcgtcga  | aagttagcga  | agcattgctg  | ggagaaccgg  | 3453180 |
| ggacatcctt | tgttctgaaa | gtgcttcgtc  | cgctgaagaa  | cgatagcacg  | gtgatggaat  | 3453240 |
| ttaagattac | tcgtaagaac | attcgtataa  | atccgggtccc | atattacggt  | atgctgaaag  | 3453300 |
| atagtatcgg | ttatctgtcg | ttgacgggct  | ttacggataa  | ttgtgcaaag  | gatgtgaaga  | 3453360 |
| aagcatttat | cgaattgaaa | cagcaggagg  | ctaaagcgct  | ggtgattgat  | ttgcgtgaca  | 3453420 |

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|             |             |            |            |            |             |         |
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| aggaaatcgt  | tgtgaccaa   | ggaaagattc | gtcaggctgc | aggttcgttc | aagacgcaga  | 3453540 |
| atgaaccgat  | tgatacagaa  | atgccgctgg | ctgtactggt | gaatggcaat | acggcttcgg  | 3453600 |
| cttccgaaat  | tttgagtgg   | tcgatgcagg | atatggatcg | tgcagtaatt | atcggtacgc  | 3453660 |
| gtacgtatgg  | aaagggactg  | gtacagacaa | ctcgtccatt | gccttataat | ggtacattga  | 3453720 |
| aagttacaac  | atctaagtat  | tatattccga | gtgggcgttg | tattcaggct | attgactatg  | 3453780 |
| ccaaaaagaa  | tgctgacggc  | tcggttgcac | gtatccctga | tagtttgaca | actgtattcc  | 3453840 |
| atacggctgc  | cggacgtgag  | gtacgcgatg | gtggaggtat | tcgtccggat | attgaagtga  | 3453900 |
| agggagataa  | gttcccaa    | atcttgtttt | atgttgtaaa | cgacgatttg | atgttttgatt | 3453960 |
| atgtaacaca  | atattgtcta  | acgcacccga | caattacttc | ggtagattcg | atacaaatta  | 3454020 |
| ccgatgccga  | ttacgctgag  | tttaagaaac | aagtcaaggc | tgccaatttt | acctacgatc  | 3454080 |
| gccagagcga  | aaaattgctg  | aaaacattga | aagaggttgc | agaatttgaa | ggatatatgg  | 3454140 |
| atggtgcagc  | cgatgagttc  | aaggcgttgg | agcagaaact | gaatcataat | ctggaccgtg  | 3454200 |
| atctggatta  | ttttaccaaa  | cctattaaag | agcaaatagc | tgaggagatt | gccacccgtt  | 3454260 |
| acttctatca  | gcgcggtgct  | gtcatgcaac | gcctgaaaga | tgatgaggat | ttggataagg  | 3454320 |
| ctattgaagt  | gctgacttcc  | ccggaaaaat | ataaagagat | attgtcggct | cctgtgaaag  | 3454380 |
| aagcagacaa  | gaaataaacc  | attggtcggg | aggctttaac | aaaccggcaa | gaatacattt  | 3454440 |
| ctcctactag  | taagaagata  | tgtattcttg | ccggtttttt | tatgctcttt | tcacgtatac  | 3454500 |
| agaaaaagga  | ttgctttcaa  | tgataagttt | ataaggtaaa | ctagtttgat | ggcttgtagt  | 3454560 |
| ccgtttttat  | ttttgtaca   | aaaaacaaaa | gcaatacttc | ggtaaatttt | taccgataaa  | 3454620 |
| ttaaaattaa  | acatagaatc  | ggcataatcc | ggttcaaaat | tatattcaag | agatcattga  | 3454680 |
| aataactgtca | agaataaatc  | gtcaaggagt | aagaaaaggg | atgaaaaaga | tatgctaaac  | 3454740 |
| agctgaaaaat | caacagaaaa  | agtatttcat | aattcactga | tttttagtaa | attagaagta  | 3454800 |
| cttcaccact  | tttaattatg  | actaaagaat | cactccttat | gcaataccaa | tccgagtgca  | 3454860 |
| gaaacgctct  | cgaatcagct  | gtaaatataa | gcaaatcttt | tcagaaagta | ttcatggatg  | 3454920 |
| caatgaaatt  | attcatggct  | atacctgacc | gcatcaattt | cctacaaatg | ggacggtatg  | 3454980 |
| gatgtttctc  | ggaacagaca  | taccgcaaca | atgttgagaa | cgacggcttt | gactggtttt  | 3455040 |
| ccttcaatga  | agccatcatc  | agggaacacc | ttaaagggtg | tcgcaaggcg | atagccgttg  | 3455100 |
| atccgtcttt  | cattccaaaa  | tcaggcagca | aaacgccgtg | gattggctat | ttctgggtccg | 3455160 |
| gttgtgccgg  | tgaatacaaa  | cgtggactgg | aaataaccgg | tattggagtt | atagacgttg  | 3455220 |
| acaacatga   | atgtatgact  | ttgggctctg | tacagacacc | tgacaacgca | acgctggaaa  | 3455280 |
| gctgtgagaa  | gaatcttggt  | gactggtaca | gctcttacct | tatcagcata | caggaacagc  | 3455340 |
| tgaaacgtat  | ttctggcaca  | gtcgtgtgtg | atgcgttctt | ttcaaaggca | actttcatca  | 3455400 |
| aaccattgta  | cgataacggg  | ttccacgtaa | taagccgttt | caggaatgat | gccgtattgt  | 3455460 |
| tttatcccac  | cttagaaaat  | aggacaggaa | aacgcggacg | tccaaaatta | catgacgaga  | 3455520 |
| aaattgactt  | tgaaaatctg  | gacatcacaa | gatgtaccga | gtacaaaagt | aacaagggtg  | 3455580 |
| aactttacgg  | actgaaagca  | tactccaaag | cactcaaacg | ctttgtgagc | ctggctgtat  | 3455640 |
| ggtaccccat  | ggatggaaga  | acggacaaat | ggcagctgta | tttctctaca | aacgaaatac  | 3455700 |
| agaacgcaca  | ggatgtcctg  | gacttttaca | gaacacgttt | ccaactcgaa | ttctgctttc  | 3455760 |
| gggatgccaa  | gcaacatgcc  | ggaatagcaa | actgtcagtc | tacagacttc | aggaaactgg  | 3455820 |
| cattccactt  | taatgcatca  | cttgacgca  | taaacctcgc | caaggctgcc | tgtagaaga   | 3455880 |
| tgggaataaaa | atattccata  | tcacatgca  | agtcagtcac | acacaatgct | tacatgcttg  | 3455940 |
| aacgatttat  | ttgcgtgtct  | gggattgaac | caaacacgca | attaattgac | aaacttttca  | 3456000 |
| aagaactcat  | tttattttact | gccagagccg | cttaggctgg | gctaattttt | aacgaactat  | 3456060 |
| tgcaaaaagat | tttgtacaaa  | aaataaaaaa | atgtcttgat | gtttggcagc | aatcttcttg  | 3456120 |
| aggttttact  | aaaagacgat  | gagtttgctg | atactttcta | ttggcgtatt | tatattttat  | 3456180 |
| gatccttggtg | tgtgatttat  | ttatttgtct | tttgaggcaa | tattatagtt | gccaaagtgt  | 3456240 |
| tgttgggaata | gttttattat  | aacttgagta | ataatattat | tttgcctttt | cggatatatac | 3456300 |

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| gattttgtaat | ttttatatta  | gtcaatatata | gttactgtga  | ttcctttgtg  | cactttttatg | 3456420 |
| tagaaaagtat | attaggacta  | ataggaattc  | tattattttgc | ttaaatatata | tttaaaaatat | 3456480 |
| gctataaaaac | acttttatcg  | tgtaaataac  | aacaaaatgc  | agatattaat  | agttaaaaaaa | 3456540 |
| tattttgcat  | aatgatatact | gattttttttt | cttttaattt  | gagaaaataa  | aattaatttaa | 3456600 |
| atatttttca  | tgtttgctat  | agttggaaat  | attgttacat  | caattttggg  | tggaactacta | 3456660 |
| atatctgttg  | tagcagtcgc  | tatattgctg  | tttgttatcc  | atctgttggt  | ccctcgttat  | 3456720 |
| ttggcaagtg  | aaactgcctt  | cagcgttatt  | attggattta  | ttctttttat  | attgattggt  | 3456780 |
| gttcaatctt  | ttcttgggtg  | tggagcttgt  | tctgtaaaga  | aatatgttga  | tttatctaata | 3456840 |
| cagaaaagtc  | agaatatgat  | agagtcggtt  | aggcagataa  | cctgtcaagt  | aggcgaaaaa  | 3456900 |
| tcagaaatac  | aggctatgct  | tagggaagaa  | tatccgtttg  | tagaagagtc  | gttgattagt  | 3456960 |
| gaatatattag | aagaactgaa  | tatggaacag  | ttgcaagaaa  | aacctgaaag  | tatagtgcct  | 3457020 |
| ggcataaaaag | cacagctttc  | cagttatatc  | atacggcggt  | ggatatgggg  | aattgtcttt  | 3457080 |
| tggttattag  | ctgcaaccgt  | attgggctac  | agggcctatc  | aggatcagaa  | aagacttgat  | 3457140 |
| tattttgcgtt | atcggaatat  | gatgaatatg  | taaccttata  | aattgtgaca  | aatatgagta  | 3457200 |
| taaaaggaaa  | tgaaaacat   | atccttggtg  | ggttgggagg  | aacagggtgga | aaggctcttga | 3457260 |
| aagcttttctg | taagcggttg  | tttcaggaat  | attcttctga  | agaacgcgca  | aagctatcta  | 3457320 |
| tcggctatgt  | atatgtagat  | tctacacgtg  | agatgatgca  | acccaatgat  | attactttca  | 3457380 |
| gggtattggg  | gcaggatgct  | tcttttgccg  | aaagtgaagt  | tgtatatgtt  | cggggagtag  | 3457440 |
| aattgaacag  | tgcttttgct  | aatcctagt   | gttttccggg  | gttgaaagg   | tttatcggtg  | 3457500 |
| atccggaagt  | catgcagaag  | acaataggga  | gtgttgaaac  | agctgcgggt  | cagaaacgtc  | 3457560 |
| gtgccggacg  | tattttgttt  | ggaagttcgg  | tacaaaatta  | tttgagtacg  | ttacgttccc  | 3457620 |
| agtatataaaa | ggcaaagggg  | attagcggga  | aaaatacact  | aaatatccat  | atttttaccg  | 3457680 |
| gactggccgg  | aggtacgggt  | tctggttcca  | tcattgacgt  | attggcacag  | actcgctgtg  | 3457740 |
| aatatccgga  | tgcccatatt  | gttttatatg  | cgatgattcc  | agaacctacc  | gttcctatgg  | 3457800 |
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| tgatggctaa  | aaaatatatg  | ccgtatgatg  | tgaccggcaa  | atatgagcgt  | gtacctttgg  | 3457920 |
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| tgaccattga  | ttctcaccaa  | cagttaccgc  | tggtcggttg  | cgattttctta | tacaattatg  | 3458040 |
| ttttcttgga  | gcagaatgac  | aatacagggtg | aatttatccg  | tacttattct  | ctggaaaata  | 3458100 |
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| gctctaagaa  | atatagtctt  | tttggcatta  | aacgtgtggt  | tattccggaa  | gaagagatca  | 3458220 |
| ttgaatatatt | tacgttctct  | ttcggtcgtc  | aggccttggt  | gcagttacgg  | tataataact  | 3458280 |
| ggaatgatga  | catgggattc  | cgcgatacac  | ctgccaatat  | tgacttccat  | tcttttgtag  | 3458340 |
| cagaggcaga  | aaacctggag  | cgctggcgta  | tgaccgacaa  | acacctgacg  | ctggataaac  | 3458400 |
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| ttcctgtatg  | ggcagaagaa  | gccagtcggc  | agaaaatgcc  | tttaaacgag  | ctggagaaat  | 3458520 |
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| gtaaaacaca  | ggctcgagac  | gaacatgcca  | gtgaaatttg  | tacgctgata  | gaggaatata  | 3458640 |
| tgtatgataa  | atggagtaca  | ggtgatctgt  | ctttatataa  | tttgttgcaa  | ctgattgacc  | 3458700 |
| gaattgtaga  | aactgtcgat  | cttaaacgta  | aggactttga  | gggacggatt  | acgacttata  | 3458760 |
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| aaggctttat  | tggaggatta  | ctttcgaaaa  | ataaaattat  | tcaggctcat  | gccacaatca  | 3458880 |
| tgcaacagct  | ttatttgaaa  | aagacggagc  | tggaaaggat  | gcattttggc  | gtaagtatgc  | 3458940 |
| tttctgtcct  | gctgaataaa  | gttaatgcgt  | tacgcggaca  | tattgaacgt  | tttgtttacg  | 3459000 |
| ttattaatga  | atcccttgaa  | gatgcgaata  | agcagattgg  | tacacgttgt  | caggacaaag  | 3459060 |
| agggcatttc  | taatctgaag  | gaaaccatta  | ttcgtttcta  | tgacaatcag  | ggagtgcaga  | 3459120 |
| agttttacaaa | gaatattatt  | cgtgacaagg  | ctcgccaaaa  | atcaattgct  | gatgagttcc  | 3459180 |

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| tttactgga   | tagtatttca  | aatttgctcg | atactgtagt | ccgtcgtaag  | gttattacta   | 3459300 |
| tccatgatga  | agtccttagtt | gaaaatacag | agaaacttat | caatcggaat  | atcctggaac   | 3459360 |
| agcttaaatga | acaatatcgg  | tcagatgatg | aactgaaact | gtttgcaaaa  | gaactgatag   | 3459420 |
| aacagagtgg  | agtattcctg  | tccttgaatg | gtacggaact | gaatcgtgct  | gtcaaaaata   | 3459480 |
| atccgttgcc  | tcagattcgc  | cataatattg | accggaataa | tgtattgatc  | aatttgccaa   | 3459540 |
| aggtagaggg  | aaatgagcag  | gtacagcggt | ttgccggtaa | attaaaagat  | gctttgatga   | 3459600 |
| atgctgtgac  | aggtggagt   | ctggtaaaag | tagacatgaa | tgggcttcgt  | agaatgaaa    | 3459660 |
| tgacgattgt  | atgcatggat  | tattgtttcc | cgattcgtgc | cgtgaaaggt  | ctggacgttc   | 3459720 |
| tgaaaatgaa  | atacgattat  | ctgttgaaag | atcctaata  | agcacgccag  | aaccggatta   | 3459780 |
| ttcttcatac  | ggaaggaaca  | ggagaaaatt | tccccgattt | gtatgtagca  | aaagaaaaaa   | 3459840 |
| tgccatcggg  | aatacgaata  | gagtatactc | cttatctgat | gactgcattt  | gctttaggaa   | 3459900 |
| tcattaaata  | tgggtgata   | aatgatggaa | ctggactaaa | agcgtatgga  | acagttgagg   | 3459960 |
| tggatgactt  | tggcattgaa  | gtgttgaagc | ctatggccga | taagtttacg  | gaaattcctt   | 3460020 |
| atgctgcaac  | ctttacggaa  | gagttaggta | aatcatggga | ggaacaactg  | actacagcct   | 3460080 |
| tgcgtagcga  | ttatctacat  | gtagataagc | gtaaagaact | ggttgccaaa  | attcaacatt   | 3460140 |
| tagtaaaagg  | tgtcattttg  | ccagagtgtg | gcggtaatac | aggcgctgaa  | tcattcctgt   | 3460200 |
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| tcattatggt  | acagaataaa  | ttgaataaaa | aaggacgttg | catgaatatt  | ggcaattgtt   | 3460380 |
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| aatgtggggg  | acaattggta  | gaagtaaaga | agattaacgt | gcttccttac  | atcataggag   | 3460500 |
| gagtggttgt  | tgttgctctc  | gtttagaccg | ggattgtttg | gggccctcag  | gttattaatg   | 3460560 |
| actttaagac  | ggaagaaaaa  | acagttgttg | aaccggatac | ggtagaacag  | gttgaacagg   | 3460620 |
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| atactcaaag  | tcgtcggatc  | agtaagagag | ataccgaaa  | ccgagttgct  | gttccgggag   | 3460860 |
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| ataagaagct  | gaaaggtgag  | gtaatgattg | gatcaaatgg | tctttaactg  | atataatcta   | 3460980 |
| ttttgcttat  | gtttcctttt  | cggagtatag | gagtagctgt | tatgtttgtg  | gtggaaagtc   | 3461040 |
| ttgcttgctc  | acaacaagga  | acgagttcag | gacacttggt | cttggttacg  | cgacagctgg   | 3461100 |
| aaatgcgtaa  | ggttgcttta  | gtcacagatt | catcattgca | tttaaaaagc  | tgtcctcaga   | 3461160 |
| aggaaatgta  | tgtgttaagt  | gataaaaatg | agttaaagaa | agcaggattg  | aaactttttc   | 3461220 |
| ctgttgaaat  | ggaaaaagtt  | tttcatcctg | ctgtatacga | ctttattgaa  | cgtacctttt   | 3461280 |
| tgcatttatc  | attgttgtag  | atgaagtcac | agagagaggt | gctattgagg  | caagatcaat   | 3461340 |
| tgtctttatt  | ggtgaacggg  | ctaaattata | aggattgttc | tgtcgatttt  | tgcagtattt   | 3461400 |
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| cttcttgcca  | aggagtcgga  | atgaaagtag | atgtgctttt | cccgaagcag  | tatgatttgc   | 3461520 |
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| atctgatgaa  | gaaaggaaca  | gcatggagtt | atctttttta | tgtttatttc  | ccggaggagt   | 3461760 |
| cagtattgaa  | cttattttct  | catgctcatc | aaatgaattt | tttggttacct | ttttccttgg   | 3461820 |
| ccgtgaaagg  | atataattct  | tctgcagcaa | aaagtattgg | cttggtgat   | tttggttctt   | 3461880 |
| tgatgatatac | ggaaggatgt  | cgcccttacg | tagggattga | aacgatggat  | agtaaacaga   | 3461940 |
| taacaggaac  | tgttatatac  | ctgaaccgtg | atgtgatgta | tgagcatttg  | ctttacttcc   | 3462000 |
| agttgccgct  | tgaggtattt  | cataaaaaag | ataatgtaag | gataaaaagct | gtattgtatc   | 3462060 |

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| tatatatcct  | tttggtgttt | tgtcttcctg | tttgtctttc | tgctcaagtg  | gcgtatatgg | 3462240 |
| aagaaaaggc  | aaaagtaaat | aagatcaaga | gaagctccct | atatctctat  | ggtgaaggaa | 3462300 |
| ttgcggctac  | ggtagaagaa | gctacggcta | tggctgaaac | gagtctgaag  | aatgctattt | 3462360 |
| tatctgaaat  | gggcgaaaat | gaaaagcttc | aggattcgga | tcagattctg  | ataaattcaa | 3462420 |
| taaaaaagca  | ttctgagaaa | attcagttaa | agcgtggggc | tatggagcgt  | gtatttctgt | 3462480 |
| acgtagagaa  | gaaaaactta | ctctcgtccg | ataaggttgt | tgtactggat  | gtttcttctt | 3462540 |
| ctacagtacc  | atcacaggaa | aagcctgcga | ctgaagaagc | gaaggtagat  | gattccgcgc | 3462600 |
| cttcgggtac  | aagctcttcg | gaagtcttta | ctcccgtttc | agaacaagta  | cctccaatac | 3462660 |
| aagggtgaaaa | agtgaaggta | gatagtcctg | tactacagga | attgctggag  | cagaaaacgg | 3462720 |
| tagatggtct  | ggagctgttt | atgaggattc | agaaggaaaa | tcataaactg  | atgtggggaa | 3462780 |
| acgtaaaatc  | ttcactgaat | ccatcttggt | atatagtggg | tttttctgat  | acaacgataa | 3462840 |
| aggctgtctt  | tgataaagag | aaaaatgggg | tacgtgttaa | tttgttgaat  | ggaaaagagg | 3462900 |
| aacaaatgtc  | tttatataat | accgataata | aagtctgggt | tattttatat  | gaataaaaaa | 3462960 |
| taataataaaa | atgaaaaaga | taattgcttt | aggaatttgt | ttgtgtatgg  | ctgtattggg | 3463020 |
| ccatgcacag  | tatgaaacga | ctttgatcgt | aacagatgct | ccaagcactg  | ctgtaaaagc | 3463080 |
| aagaatggaa  | cagaatggta | caaagctgct | gacggaatta | aataatgctc  | aaggagagaa | 3463140 |
| ccggaatcta  | tctttggctg | gaattaacat | caataatcag | gctgctgaat  | ctttgatgat | 3463200 |
| aatgtgggag  | gtttgtcctt | tccgttgcca | tgaagtggaa | atcgtagagc  | gttgtttgca | 3463260 |
| tatttgaaaat | aatcaagggt | tgcaggtccg | taatattcct | gttattatgg  | agcctcgggc | 3463320 |
| aggagaacgt  | tttgatgaag | accagtatca | agaaattgtc | ttgaactttg  | acaatagtgg | 3463380 |
| tcagattaca  | aatctttggt | tctctattgc | acagaatcta | tatactcagg  | ttatgagaag | 3463440 |
| taatctggaa  | gttactgatt | tacgccgtcg | ttcattgggt | ttggattttg  | tagagcagtt | 3463500 |
| ccgtacagca  | tataaccgca | aggatatggc | ttttttggag | gatattttta  | gcgatgatgc | 3463560 |
| attgattatt  | actggaactg | taagaaaacg | ggtgaacaat | gacggtgtac  | agtttgtttc | 3463620 |
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| cagaagaaac  | cagcgtatca | acgtggtgtt | tgacgatgta | aaggatgatga | agcatcgtca | 3463740 |
| gaaagattat  | atctatggcg | tgaagttagt | tcagcattgg | aatgcagata  | cttatagtga | 3463800 |
| taaaggatat  | ttgttcttgc | tttgggattt | taaagatgag | gctaataccta | aaattcatgt | 3463860 |
| acgtacctgg  | cagccttatg | atgctactcc | ggagaaagag | gttttcgggt  | tgaactcgtt | 3463920 |
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| tgtctttgcc  | tgtgttcttt | gtcggctaaa | gtcaggata  | ttcgtattac  | tcgtaccgcc | 3464040 |
| gataagtcgt  | atccggatca | gtatatggct | aaaattgaat | ttatttcggc  | ttgcgataaa | 3464100 |
| ttggaattta  | gtgaaaatac | gggcgtagaa | gtttcttctc | ctaaaatgtt  | gaatggtaaa | 3464160 |
| tacgtatatt  | ctgcagtttt | ggatgttgca | gatggaggta | gcttgagctt  | tatgattttg | 3464220 |
| aagcggggta  | gtgtggacaa | aaaacaactg | gatgtttcat | tggagaagaaa | catgtgggct | 3464280 |
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| ccccatatga  | ctcatgcaac | gccacaaatg | gctttgattt | cggttgtaag  | taacagttag | 3464400 |
| gaattacatc  | ttgaattggt | gagggatggg | tccaaagcag | ggaatgcgaa  | gttgataaat | 3464460 |
| gtagccggaa  | agaaagatgg | ttcgtttgag | tatttgatc  | atgttaattt  | ggctgatgtc | 3464520 |
| cctgcttctg  | ctaactatac | tcttaatttg | tcggttagtg | ataatccgga  | aatgaaagca | 3464580 |
| tttcagatag  | gtaccttagc | tcaaaaggat | ggtgtagaac | ttgctgtaag  | tgtaaacaa  | 3464640 |
| gaagcttctt  | gttttcagca | tagtgagagc | ttagctgaaa | atgcatttat  | caatggtttg | 3464700 |
| tatcgagatg  | cttattttgc | ttataaggat | gccttggaat | gtaaagataa  | acaagatgag | 3464760 |
| ggaattatta  | agaaaaagat | gaagaattcg | gctattttgt | cgaatgcgaa  | agaacgtgtc | 3464820 |
| atgaaccatg  | tagagaaggc | tgaaaatttt | cgtcaaaatg | gtcagatgga  | tagttgtatg | 3464880 |
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| gtttctggaa   | aagttgtcga | tcgagctaaa  | atggatttga  | ataagaaaaa | tcctcctttg  | 3465060 |
| gctaatgtat   | atgtagtgtc | atgtaaatat  | ggagtgaagt  | ataagaaaat | tgatggagtt  | 3465120 |
| tcagtagcag   | agccccgatt | gaaacagctt  | cttgaaacaa  | agacattggt | aaaaacagat  | 3465180 |
| gcaagcgggc   | attttgaagt | ctttgttcca  | agagatacga  | gtggcgggtg | ctatgtcctc  | 3465240 |
| cattttgtgg   | cagatgataa | ggagatcggc  | atttcacgca  | tagatgcggg | aagttatcga  | 3465300 |
| ccaaccgatg   | ctgacataca | aaaaggagta  | gtagtgcgct  | ttatttcaag | taggaagatt  | 3465360 |
| aatgcgaatt   | gatataatta | tttattttaat | gaaaatgaaa  | aggctatgaa | gaaatgtttt  | 3465420 |
| ttaaaggccg   | ttttacttgc | tatagttgcg  | gtattttgtt  | tgggaacggg | tgcgcaggct  | 3465480 |
| aaagacaaga   | aaaagaaaaa | agagaaaaaa  | gaattttgat  | ggaaaatgcc | ggaaaaaatg  | 3465540 |
| actgggatta   | aggatttcga | tacatatctt  | ttaacttgcg  | ataccttgtg | gaaccgaatt  | 3465600 |
| actacttatc   | gtgattctat | tcactttttt  | aagatcgata  | cagttttggt | ttatgataag  | 3465660 |
| acggataata   | ctccttatta | tgatatccag  | attcgtgatg  | aagaaggtag | caaaagaagt  | 3465720 |
| tgggtacagt   | ctttgcagca | aggagctgat  | atgatactaa  | gtggtactaa | tatcgtacta  | 3465780 |
| gatgttgcta   | atatttcatt | gttaacggta  | tctgcaggag  | cctctttaac | ggaaaatcca  | 3465840 |
| ttgctggctt   | tttcacatgg | aaaatattta  | aaggctggct  | ctaaaattgt | gggggttaggc | 3465900 |
| tatcaagaag   | ttagggaaat | agtgaaccgt  | accaagcaac  | aaatgcgtac | gatgaagcag  | 3465960 |
| attcaccaaa   | gtaaggtaga | taagtcaact  | gatacagatt  | atttggtaga | aataccggaa  | 3466020 |
| ggaacggaaa   | ttaatctgga | ggaatgtgta  | gatttggtga  | ctatagacat | ggggacttct  | 3466080 |
| ccggcgcagg   | agttacctga | gttactagct  | aatagtgatt  | tggataatga | tttggaagtt  | 3466140 |
| cctgaagaga   | agaaggatta | gtatttatct  | ttgtctgata  | aatacttagg | agttgtaatc  | 3466200 |
| gtattgaatg   | actcacaaaa | gatggcgtga  | aagtcctttt  | gtgagtcatt | tttttattta  | 3466260 |
| gaaggttcaa   | actgaatatt | tgtaaatact  | gatttttagaa | tgaatagggt | attgtttcctt | 3466320 |
| ataatcccca   | tttgccttaa | tcagttcgat  | cagtttttct  | acagcctgtt | cttccggaat  | 3466380 |
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| ataaccgtag   | tctgcatcgg | ccatttcacc  | gggaccattg  | acaatacatc | ccataatgcc  | 3466500 |
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| caatggattg   | gtcagtcctt | gattcatcaa  | ttgatgggca  | atacctcgga | actcaccgag  | 3466860 |
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| ccagatatattg | gcatctacaa | tgtaacctgt  | atcggtagcg  | cgtgcttccg | gtagatgctg  | 3467100 |
| gccgcaatag   | atgtaatccg | gacggaattg  | ttcatcaact  | tccatattgt | cttccagacg  | 3467160 |
| ggcagagata   | acaaccggaa | cttggttctc  | tcctatgttc  | ccgacagctg | ttgttttgcg  | 3467220 |
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| tacgaccgta   | ttggatgcct | tgatggagat  | cacgacgttc  | gtgaactgtt | cgtctacgca  | 3467580 |
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| caggttttcg | gcttcgcgta  | ctccctgtgt  | cgtaagacgt  | acgtattcac  | cacccgcgtc  | 3468000 |
| gatgatgcgt | ttggcctggt  | ctacgcatgc  | ctcggtatcc  | atgggttaccg | tattggtcat  | 3468060 |
| actttgtata | cggataggat  | tagtgccacc  | cataggagtg  | gcaccaacgt  | atacctcatt  | 3468120 |
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| aatttagctg | caagctcttc  | gtcggacagt  | gacaacatct  | gtacggcaag  | gatagctgca  | 3468300 |
| ttcatggcac | cgttgatagc  | gacagtagct  | acaggtagtc  | cgggaggcat  | ctgaataata  | 3468360 |
| gaataaagtg | cgtctactcc  | atccagaaca  | gagcctttta  | caggaactcc  | gataaccgga  | 3468420 |
| agagtgggtg | ttgctgcat   | aacgcctggc  | agtgtgtgtg  | ccattccggc  | tgctgcaatg  | 3468480 |
| atgaccttaa | gtcctcttcc  | cgcagcttct  | tttgcgaaact | tttctacttc  | ggcaggagtg  | 3468540 |
| cgatgtgccg | agagtgcatt  | catctcaaaa  | ggaacttgca  | tttcgtcgag  | cagttttgcc  | 3468600 |
| gctttctcca | taacgggaag  | gtcggacgta  | ctacccatga  | tgatacttac  | aattggtttc  | 3468660 |
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| tctttattaa | ccagttcagg  | atgttcttcc  | agtgcgggtg  | ttatttcaag  | tacttctcca  | 3468840 |
| ccaatgggaa | ggaaaagatc  | ggatacagtc  | tttactactt  | caatgggtcc  | gaatacttca  | 3468900 |
| cctttatcca | aagtttcacc  | ttcagttgtt  | acgtcgacaa  | aaacgatgtc  | gccaatttga  | 3468960 |
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| aatgcgagcc | gctataaaga  | gcttgtccct  | ctgttcttcc  | ttgtttctgg  | gttcaggatc  | 3469740 |
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| gtcgtttcat | ttatctcctt  | aagcgtgcga  | cggggatatt  | caattgtctg  | cgatattttg  | 3469860 |
| caacagtccg | tcgggctatc  | ggataacctt  | tttctttcag  | catgtcagcc  | agttcgtcat  | 3469920 |
| cggataaagg | cttgtcttta  | ttttccttgg  | caatacatte  | tttcagggaac | tgcttgattt  | 3469980 |
| cgcgtactga | aagttcttct  | ccactttcgg  | ttacatatcc  | gtcgttgaaa  | aagaacttta  | 3470040 |
| gcgggtagat | accgaaatth  | gtttgtacat  | acttgctgtt  | gcttactcgc  | gaaatggtgg  | 3470100 |
| aaatatccag | tttggcacgt  | tccgccacat  | ctttcagaat  | catcgggccc  | aaagaggatt  | 3470160 |
| catcaccatc | gagaaaaaat  | ggtcgttgca  | agtcgatgat  | agcctgcatg  | gtgctgagca  | 3470220 |
| gagtttgctg | acgttgtttg  | accgcattga  | tgaacccctg  | tgctgcgtct  | accttttgct  | 3470280 |
| tcaggaacat | catggcgttt  | ttcgattcct  | tgctctgatt  | tgctttattg  | cgtgtatgtt  | 3470340 |
| catccagcat | ttctgtaaac  | tcacggctca  | agcgtaaact  | cggatatattc | cggttgttga  | 3470400 |
| ggctcagggt | aatagttccg  | tcctcttctg  | tttcgacaa   | gaaatcgggg  | ataatctgtt  | 3470460 |
| gtaaatctct | gccaatggtt  | tctcccatcg  | aactgcccgg  | acgcggattc  | aattttgtta  | 3470520 |
| gttctgctac | ggctgcatta  | tattgttcc   | cggttatgtt  | cagcttttgc  | agtattttat  | 3470580 |
| ctttgttctt | cttgggtgaa  | tcgtcacaac  | atthgtctgat | gatatcgtac  | tctattttgt  | 3470640 |
| ttaacggaga | atthtccttc  | cgtttgattt  | gcaacagcag  | gcattcttgc  | agactgcgtg  | 3470700 |

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|             |             |            |             |            |             |         |
|-------------|-------------|------------|-------------|------------|-------------|---------|
| cgccgatacc  | cgccgggtcg  | aaatcctgaa | tgatagataa  | gacatgctcc | agctgttcgg  | 3470760 |
| gagtggtaga  | aataccctga  | taaatggcaa | gttcatcaat  | caaggcatct | gtcgtttttc  | 3470820 |
| gcagcagtc   | gtcatcgtct  | aatgagccga | tgagatatct  | tcccagttgt | ttttcttcgg  | 3470880 |
| gagtaagttc  | ctgcatgtcg  | agctgctctt | tcaatgtttc  | gtaaaacgat | acattgtccg  | 3470940 |
| aaaaaggaat  | ctcttcggga  | gtttctccct | tggaacgatt  | gttctcctga | agttttataat | 3471000 |
| ctggaatgtc  | gtcttcggta  | cggtaatcac | ctaatagataa | atcttcttca | tattcgccgg  | 3471060 |
| aagttggctc  | tccgtcttca  | tccgtagtat | aatcgtcttc  | atggctgtct | acctgttcgg  | 3471120 |
| aaggttcttt  | accttcttcc  | aaagccggat | tgtccaaaag  | ttcggagtga | atacgttcc   | 3471180 |
| ccagttccac  | agtaggaagc  | tccagtaatt | tgacagccag  | aatctgctgc | ggagataaag  | 3471240 |
| tctgcacttg  | ttgctgagcc  | tgcgtttgta | cctgacgtga  | atttatagcc | ataaaaaaga  | 3471300 |
| atttgattta  | tcgctgcaaa  | aataacaaat | taggtacgga  | ttacatgaaa | gtgaacttaa  | 3471360 |
| ttttatttgt  | gttccgctat  | gtaatccgta | ccagtataat  | taaaaatcag | tatctgaagc  | 3471420 |
| tgcttctctc  | caaaaactca  | cgtaacaatg | aggtaggagg  | taattccttg | tcttgtactg  | 3471480 |
| atacgaataa  | tgacagaaat  | cgcaagagtc | ggtgtgcttc  | cgaatatgca | gagcagttgt  | 3471540 |
| tgggcacctt  | acgcaaaagt  | ggttctgcat | agtctttcaa  | tacagcgagt | tcgaaaagta  | 3471600 |
| aagccgagtt  | aaacattgctg | tcggcatatt | cctgataggg  | gaaaatccat | ttgtcttctc  | 3471660 |
| cagcgcgtac  | actttccag   | cgctcgatgg | ttgcttctgc  | cgaataattg | cgataccggt  | 3471720 |
| gatacagtat  | gatacgtcgt  | aacagtcggt | tgtctgtcgt  | aggtatatag | ttatggttat  | 3471780 |
| cgagtaaaat  | cgttgtcagt  | gccgatacgt | atattttata  | tttattctca | gccgggatat  | 3471840 |
| tcggggtaag  | tgcaggattt  | aacgcataaa | taccttctaa  | aattaaaatc | atgttatcgt  | 3471900 |
| tgatgcgtaa  | ctttgtacca  | ctattttctc | gtttaccctg  | tgtaaagtta | aatcggggta  | 3471960 |
| attctatttc  | cttaccttcc  | aaaagatctt | tcagttgtgc  | ttcgaagaaa | ggaaggctta  | 3472020 |
| aggcatacaa  | cgattcgaat  | tcattgtgtc | cgttttcgtc  | cagcggagta | tcttccctgt  | 3472080 |
| ttacgaataa  | gtcatccaat  | gaaatcggat | agggcttcat  | gccgttgggc | atcagctgga  | 3472140 |
| tgctcaaacy  | tttgctgaat  | gtagtctttc | cggaagatga  | cggaccggaa | atcaaaacaa  | 3472200 |
| gttttactct  | tttcccgttt  | tggttccggt | gtgtaatttc  | atcggctata | cgagctattt  | 3472260 |
| tcttttcttg  | cagagcttct  | gaaaccttta | tcaggtcagt  | agcatgccct | tcattgcagg  | 3472320 |
| ctatgttgaa  | atctcccaca  | gtactaatac | ctaaaatttg  | attccagcgg | tgatattctt  | 3472380 |
| ggaatacttc  | cagcatcttt  | tcttgtttca | caagttcttc  | caacttcttg | ggatttttcc  | 3472440 |
| ggttaggaat  | acgcaacagc  | aagccatcgt | aatattttac  | aatgtcgaat | agtttgatat  | 3472500 |
| agccgggtact | tggaaccaga  | ctgccataat | agcaatcgat  | agtatctccc | aatctgtaat  | 3472560 |
| aaaaagtgtg  | caattgcccc  | gatgttttca | gtaatttggc  | tttatccagc | atacttcttt  | 3472620 |
| gactgaataa  | ttcgacggcc  | tgctccgtgt | gacactctat  | gcgttggaac | ggaatatcct  | 3472680 |
| ctgtgatgat  | ttcctgcac   | ttttgtttga | tacgagttac  | gtcgtccagt | cctatcgggc  | 3472740 |
| gatcgaggtg  | taaggtacaa  | tagtatcctt | tcgatacggg  | atgttccaat | gaaatactac  | 3472800 |
| cttgtggata  | aagctcttct  | actgccttta | ctagtatgaa  | gcagagttag | cggaagtagg  | 3472860 |
| tacgcatgcc  | ggacgaactg  | gttatatcga | gaaattctat  | gtctttgttg | taataaactt  | 3472920 |
| tgaagttaag  | tccctctact  | ttgttggtta | ctttcgcact  | gacaggtccg | tagggcatag  | 3472980 |
| atagattaaa  | accattataa  | atatccaaaa | gcgtgctgcc  | ttcgggaaaa | tcttttggtta | 3473040 |
| aattgttatt  | tttgcaatat  | attttagtag | taattgtaat  | atgtgttact | aacgtgggtga | 3473100 |
| tttggaattt  | aatttacaca  | ttaaacaatt | aaaagcctac  | ccccgactta | attaattaca  | 3473160 |
| aatggaatat  | actttttatg  | atttttttag | gttgtttggg  | tcgttagcgc | ttttccttta  | 3473220 |
| tggaatgaaa  | atcatgagtg  | aggggctcca | gaagtttgct  | ggtgacagac | ttcgtagtag  | 3473280 |
| cctgactgcc  | atgacaacta  | acagagtaac | cgggtgttctg | atgggtgtgc | ttattacagc  | 3473340 |
| cttgattcaa  | tcttcttctg  | caacgacagt | aatggtagtc  | agctttgtca | atgcaggatt  | 3473400 |
| actgactctc  | tcgcaatcta  | taggtgtaat | tatgggcgcc  | aatatcggta | ctactgttac  | 3473460 |
| agcctggatt  | atttcggctc  | tcggctttta | agtcgatatt  | tccatgttct | cattgcctct  | 3473520 |
| tctggcattc  | ggtattccac  | ttctattttc | tcaaaagagt  | tcccgaaggt | ctgttgagaga | 3473580 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| atztatcttt  | ggttttgctt | tcctttttat  | ggggcttaat  | cttctaaaaa  | caaattgcccc | 3473640 |
| cgacctgagc  | gccaatcccg | atatgttagc  | tttcgtacag  | aattataaccg | atatgggtttt | 3473700 |
| tctctctgta  | ctccttttcg | tttttattgg  | tactattctg  | acgatgattg  | tgcaggcctc  | 3473760 |
| tgcggcaacg  | atggcaatta | cgcttatcat  | gtgtgccaac  | ggatggatca  | gttttgaact  | 3473820 |
| gggagctgca  | ttggtttttg | gagaaaatat  | tggtacgacc  | attacggcga  | atcttgctgc  | 3473880 |
| tctgacagcc  | aatacgcagg | caagacgggc  | agccatggct  | cacttaatgt  | tcaatatatt  | 3473940 |
| tggtgtggtt  | tgggtattga | ttctgtttta  | gccgttcttg  | tcgatggtag  | actggattat  | 3474000 |
| ttccgatttc  | atgcatatca | gtgaagccga  | tggggtagcc  | gtttcattca  | aactttcggc  | 3474060 |
| cttccataca  | tgttttaatg | tgtgtaacgt  | gttgatcctg  | atttggtttg  | tcaaattgat  | 3474120 |
| agaaaagacc  | gtttgtaagt | tgattcctca  | gaaggaacag  | gaagaagaat  | accgtttgca  | 3474180 |
| gttcattacg  | ggcggtatgt | tgtcaactgc  | cgaattgtct  | gtcttgagg   | cacgtaaaga  | 3474240 |
| aatcaatctg  | tttgagaaac | gtattcagcg  | tatgtttcgt  | atggtacgcg  | acttggtgca  | 3474300 |
| tacggaaaac  | gagaatgaat | ttaacaagct  | gttttagtct  | attgagaaat  | atgaaaatat  | 3474360 |
| cagcgataac  | atggaggtgg | agattgccaa  | ttacctgaat  | caggtatccg  | aaggctcgttt | 3474420 |
| gagttctgag  | agtaaactac | agatacgcga  | aatgcttcgt  | gaggtaaccg  | agatagaaag  | 3474480 |
| tatcggagat  | agctgctata | atctggcaag  | aacaatcaac  | cgtaagcgtc  | gtggaagcat  | 3474540 |
| tgacttcacg  | gaaaagcagt | atgaacatat  | tcaccagatg  | tttggattga  | cagatagtgc  | 3474600 |
| tttgacgcag  | atgattgctt | tggtagagga  | tgtacatcat  | acggtggatg  | tgaataaatc  | 3474660 |
| atttaacatc  | gagaatgaga | taaataatta  | tcggagtcag  | ttgaaaaatc  | aaaacataat  | 3474720 |
| tgacgtaaat  | aataaggaat | atagttatca  | gatgggcatt  | cactatatgg  | acatcattgg  | 3474780 |
| tgaatgtgaa  | aagctgggtg | actatgtggt  | aaatgtagta  | gaagcgcatt  | ctgatgtgaa  | 3474840 |
| agagaagaaa  | gcttgaggaa | tttgaatagt  | tataatgaaa  | acgtcgccat  | gtttttttta  | 3474900 |
| tgtggcgacg  | tttttttgtc | tttctgccga  | taaatttgat  | agaacgttag  | tgtattttgag | 3474960 |
| gaatgcgtgt  | tgtgcagatt | attcaagcat  | atgtacgtct  | tgttattggt  | ctattgggca  | 3475020 |
| actgatcatt  | tatttttcat | ggctggtagc  | acacgcttta  | tccaatagat  | gaatgtcagt  | 3475080 |
| aaggccagta  | tacctcctac | atatacctatc | ccagagagag  | aaaaatgtgt  | gtagacagtg  | 3475140 |
| ccgcctatgt  | aagtgcgcga | ggcgatgccg  | agattgggtca | gaccggaaaa  | tatagatgtg  | 3475200 |
| gatacggctg  | tggcgctcag | tggggaataa  | ttaatggttt  | cggcctgaag  | ggttacatta  | 3475260 |
| gaagctgtga  | acgtcatacc | ccataaagcg  | catagcagaa  | tgatggtgaa  | gctatggaaa  | 3475320 |
| gaagatgcgt  | ggagcaatat | cagacaacca  | cagaggctga  | gaatggctat  | gctcatgaac  | 3475380 |
| ctgaaagggg  | tgattgaata | gaatttactg  | aagcatagac  | tccctaatat  | acccatgcct  | 3475440 |
| ccgaatatca  | ttaatgtagc | cgtaatccaa  | ctgtcttgca  | tgcctgctat  | ttgcttttaga | 3475500 |
| aaagggtcaa  | tataactgta | gccgggtgta  | taggaagtgg  | caacggcaaa  | agccagaaca  | 3475560 |
| aacaggcggtg | acaaagcagg | tcttttgagt  | agtatgggga  | gtttgtggag  | tgaaaagtgtg | 3475620 |
| ccacggctgg  | gtactatggg | taatacggat  | aggaggtata  | tgatcagtg   | gaaagcaaat  | 3475680 |
| atgccgatat  | agagaaatgt | catacgccat  | cctatttgca  | gacctattat  | tcgtccgata  | 3475740 |
| ggaagtccga  | aaatcatggc | gatagaggtt  | ccggtagcaa  | tcattgcttaa | tgccacattc  | 3475800 |
| ttaaattgag  | taggcacggt | acgtacagct  | aatggggcta  | cgatggacca  | aaatatggcg  | 3475860 |
| tgtgaacatg  | ctacacctat | tctcgaaatc  | ataagcatga  | cgtagcttgt  | ggacatggct  | 3475920 |
| gataaaaattt | gaaagacggc | aaaaactaga  | attacggagg  | agatgagttt  | ctttaactca  | 3475980 |
| aatctggata  | caagtatcat | cagtgggagg  | gaaagaatca  | tgacagcgaa  | tgcatatact  | 3476040 |
| gatatgagca  | ttccggcttt | tgtgtcgggt  | atggcaaaat  | cacgtgcaat  | gtctgtgagt  | 3476100 |
| aatccgatgg  | ggatgaattc | tgtgtgtttg  | aatataaaag  | tggagcatgt  | tagcccgatg  | 3476160 |
| agtgacatcc  | agttccttat | agttagtttg  | tcttccattt  | ttgtgattac  | ctttctgata  | 3476220 |
| aggaatttaa  | attacgcaaa | atagcaattt  | tgttttggtt  | ggttgggata  | ataaaaaaat  | 3476280 |
| cctgattcta  | ttaggaatca | ggatttttta  | gatttaaagt  | ggtgccacca  | ggaatcgaac  | 3476340 |
| tgttgattca  | agtggctgaa | tatctttgat  | ttatctttct  | gcaagtagtg  | taatctccc   | 3476400 |
| ctattgctcc  | accggattgt | tgcagcgttc  | tgcgtcaggt  | tgcgtggagg  | tttcctttac  | 3476460 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| ccttggttca  | aaatcctttt  | tggacttccc  | aataaccgcc  | tttatccggt  | cctatacgct  | 3476580 |
| taattgctcc  | tttctcttgg  | agtgaagcta  | atcgcccttt  | tacactgctg  | tcgtgtagtc  | 3476640 |
| ccaatcgacc  | agaaatctct  | tttcttgaaa  | tgtagggatt  | ccctttaata  | agttcaagaa  | 3476700 |
| tagcatcttc  | ctgtttgctt  | tggctgtttt  | ctggctgttt  | tctggctggt  | ttctggctgc  | 3476760 |
| tcttttgggt  | cgcattctgt  | tcgtattggg  | ccatagctct  | ttccgggtac  | tcaaacttaa  | 3476820 |
| aaattgtcca  | tatacccgaa  | gcgtcatagc  | ggaactcggg  | cctggagaaa  | ccatcattct  | 3476880 |
| tgaagccat   | tatgatacgc  | tcgatgccgc  | gccccacgc   | ctcaatctca  | cctgcacgga  | 3476940 |
| agaatgtgtt  | ggctatatcg  | ggattgtaag  | gcatactccg  | atgagaagac  | aataatgttt  | 3477000 |
| ctacagtcca  | tccttcgggc  | aatactccac  | cgtttattat  | ctccaacttg  | ttttcataca  | 3477060 |
| cgcggttttg  | gatgggagaa  | ggttctgcat  | agtctttgtt  | gatgcaggca  | tttaataacg  | 3477120 |
| cctcacgcag  | agcctcacga  | ggcataggca  | atgtttctat  | ccgttggatg  | ccctcgtagg  | 3477180 |
| taatgatggc  | tttcatgtat  | ttggtacata  | gtaagtccat  | cagtttcaca  | atgtgctgga  | 3477240 |
| acagattacc  | atgcacttcg  | tcctgataca  | ccaaatccat  | gccttcacgg  | aagaagccga  | 3477300 |
| cctttacaaa  | cgctccggtt  | acgtattgtt  | ccgggtcggg  | atggaacaac  | aaagcggcag  | 3477360 |
| cacgtttcaa  | ataattgcct  | tcatagagcc  | gcagtttctc  | caacagtccg  | tgattgtcgt  | 3477420 |
| ccatcaagtc  | cgcttcctcc  | atgcgtccgc  | tccgcttggc  | atacttgccg  | aacaaatcaa  | 3477480 |
| acgtagtgtt  | gtccaagtcc  | tctgctttca  | gataaggtac  | cggcacaccg  | tcccatgtct  | 3477540 |
| tgccttgctt  | gcgaagcatg  | aagcggtcga  | gtgccgtcc   | tttcagttcc  | tgattggtcg  | 3477600 |
| caccgctccg  | ttggtaatat  | tttctcga    | aactgatggg  | ataaggataa  | gcctccgtca  | 3477660 |
| caatctccag  | atattgtttt  | tcgtcctttt  | ctttcaaatt  | gacttccacc  | aagattccca  | 3477720 |
| tcatgtcacg  | taccttgctt  | gggatgtcct  | ccatcaactt  | cttggcatcc  | tgtataccgc  | 3477780 |
| acacttcacc  | attatcacgc  | agaccgatat  | acagtgtacc  | accttgtgca  | ttggcaaaac  | 3477840 |
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| cggatttcat  | gttttcctgc  | tgaacgacat  | tgcttatatg  | ccccaaaaat  | acaacttttt  | 3477960 |
| atttaataaaa | atcatctcat  | atggaaggaa  | aatgaaatga  | aatcactatt  | tttgcattat  | 3478020 |
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| gttggcagaa  | aagaagaaaa  | cgaacaagtg  | gctgtgtgag  | caattgggag  | ttaatcctac  | 3478140 |
| gactgtttca  | aaatgggtga  | caaattcatc  | gcagccaagt  | ttggaaatgg  | ttctaaaaat  | 3478200 |
| gatggaagtc  | ttggatgcgg  | acataaatca  | aataatcaat  | ttgccagaaa  | gagggcatta  | 3478260 |
| aacagttgct  | tttgcttaaa  | gtatgatttc  | aggcctacat  | taaggctcta  | atctaaactt  | 3478320 |
| cctataatat  | aatgttatga  | caatatggta  | gataaaaaga  | cgttgacaga  | agaagacatc  | 3478380 |
| aagcgtttgt  | ttatcacaaa  | agccatcacc  | aaggcaggat  | gggcagacga  | caaataaag   | 3478440 |
| atggagtatt  | actttaccga  | tggtaggta   | atatttgaag  | gaagcacgca  | tgaccgtcag  | 3478500 |
| gctcgaaaagc | gtgctgatta  | tgtcttgttt  | gacagaaata  | attaccctat  | tgccataata  | 3478560 |
| gaagccaaaag | acaacaagaa  | gcctgttggg  | ggaggtatgc  | agcaagcaaa  | agaatatgct  | 3478620 |
| gaaatccttg  | atataaaaatt | cgcatacagt  | tcgaatgggg  | atgcttttct  | agaacacgat  | 3478680 |
| tttcttacag  | gcagtgcgaa  | agaaattcca  | ttggagaaat  | ttccttcacc  | ggaagaatta  | 3478740 |
| aagaagcgtt  | tggctgcttc  | tgaccgcttg  | acagaagtgg  | aagaggaaat  | aataggtaca  | 3478800 |
| ccctattatt  | ttgatgccta  | ttcttatgag  | ccacgctatt  | atcagcgtat  | tgccataaac  | 3478860 |
| agaacaatag  | aagtaattgc  | gaagggtgaag | caacgtatct  | taatcgtaat  | ggcaaccgga  | 3478920 |
| actgggaaaa  | cctatacggc  | ctttcagata  | atttacagac  | ttcaciaaatc | gggagctaaa  | 3478980 |
| aagaaaaatat | tataccttgc  | tgataggaat  | atcctcatag  | accagactat  | gacgcaagat  | 3479040 |
| ttcaagcctt  | tcaagaaaat  | tatgacgaaa  | gtgaaggatt  | gcgaaaataga | ttccgcctat  | 3479100 |
| gaaatatata  | tggctcttta  | ccatcaactt  | gttggtgaaag | aagggtgaacc | agaccatttt  | 3479160 |
| gaacaggtgc  | aaccgtcttt  | ctttgattta  | attatcggtg  | acgagtgtca  | tagaggaagt  | 3479220 |
| gcaaaaagatg | attcggcttg  | gcgaaaagta  | ttggaatact  | ttagctcagc  | cacacagatt  | 3479280 |
| ggcatgacgg  | caacacccaa  | agcggctgac  | ggggcgaata  | acttggatta  | tttcggtaag  | 3479340 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| ccaattttaca | cctatttcct  | tgtacaaggt | ataagggatg | gtttcttggc  | tccttatcgg  | 3479400 |
| gttaccaact  | gcttcataga  | tttagacttg | caaggatata | ctccccaaga  | agacgaattg  | 3479460 |
| gatattttaca | ataaacccgat | agaacagcgt | ttttatcagc | aaaaggatta  | cggacgcgac  | 3479520 |
| atttcatttc  | tgaagcgtag  | agtattggtc | gcacaccgta | tcacacaaat  | gcttcatgaa  | 3479580 |
| attggacgaa  | tgacaaaaac  | gatagttttc | tgtaccgata | tagatgaagc  | agaagccatg  | 3479640 |
| cgcagtttat  | tgaccacgat  | gaatgcggat | ttatgcaaaa | aagatagtcg  | atatgtcatg  | 3479700 |
| cgtataacgg  | gtgacgatgc  | cgtaggaaa  | aaacaactgg | ataatttcac  | agatgttgac  | 3479760 |
| caaccatacc  | cgactgtagt  | tacaacttcg | gagctatttg | caacgggagt  | tgattgtaag  | 3479820 |
| acgtgtggtc  | ttatcgtcat  | tgacaaggaa | ataggctcga | tgacagaatt  | caagcaaata  | 3479880 |
| ataggctcgt  | gaactcgttt  | gcgtccggac | aaaggcaaat | ggcattttgga | gatttttggat | 3479940 |
| ttccgtaatg  | ccactaagaa  | attccgtgac | ccagagtttg | atggattacc  | tgagcctaag  | 3480000 |
| attacaggta  | aaaaagcaaa  | accttatccg | cctgtacctc | aaaatagtgg  | aacggtcagc  | 3480060 |
| gaacctcatg  | tcaagtacat  | agtagagggt | gtgccttaca | atatcacaac  | cagatagttt  | 3480120 |
| tctgttttgg  | gtgaggatgg  | aaagacttta | aggacagaat | ctgtcaaagc  | atttacgaga  | 3480180 |
| aaacagatta  | ggaaacatta  | tgccacgctg | gatgatttca | tacacaaatg  | gtcttctgct  | 3480240 |
| gaccgtaaga  | aagccattgt  | agatgaattg | aaggaattga | atgtgcttgt  | tgaggctgtc  | 3480300 |
| cgtgaaaaga  | atccggctct  | tgcgatgct  | gacatctttg | acattatttg  | ccacgtggca  | 3480360 |
| tacgaccaac  | caccacttac  | tcgcagagaa | cgggctaaca | atgtcaagaa  | aagaaattat  | 3480420 |
| tttgccaaat  | atgaaggcaa  | agctcgtgag | gtgttgagg  | cattgcttga  | aaagtatgcc  | 3480480 |
| gaaaatggaa  | ttatggattt  | tgaggacgtg | aacatacttg | accatgctcc  | gtttgacgct  | 3480540 |
| attggtgaagc | cacagaaaat  | aatgaaactg | tttggcggaa | tagccaattt  | tgagaaagcg  | 3480600 |
| gtcaaagaac  | ttgaagatga  | aatttataaa | aatgtagcat | aacaacaatg  | gctgtaaata  | 3480660 |
| acatagtaaa  | gcgcatccaa  | aacatcatgc | gtcaagacgc | aggtgtaaac  | ggtgatgcgc  | 3480720 |
| agagaattga  | gcaaatgaca  | tggatgttct | tcctgaaagt | atatgatagc  | caggaagaaa  | 3480780 |
| catgggaata  | caaggcttgt  | cgtgaaggca | agacatacgt | ttctatcatc  | cctgaagaat  | 3480840 |
| tgcgctggcg  | caattgggct  | gtggatgaaa | aagacgggaa | agcacttact  | ggtgacgctc  | 3480900 |
| tcttgtcttt  | ggtaaagcac  | aggttgtttc | cgacttttaa | aaatatcgaa  | gtgacacggg  | 3480960 |
| aaactccacg  | ctccaaggct  | attgtgaaag | atgtctttga | ggacatcaac  | cagtatatga  | 3481020 |
| aaaatggcac  | gttgctcaga  | caggttataa | acgttatcaa | tgaaatagaa  | ttcgatgatg  | 3481080 |
| cgcaagaccg  | tcattttattt | ggggatattt | atgagggtat | ccttaaagac  | ttgcaatcag  | 3481140 |
| ccggaaaatgc | cggagagttt  | tataccccac | gtgcgttgac | cgatttcatt  | gtagaaatgt  | 3481200 |
| tgcacccgcg  | tttaggtgag  | acttttggcg | actttacttc | cggaaacagga | ggctttttga  | 3481260 |
| cttcggcatt  | gaaatatctt  | gaacctcaaa | ttaagacggc | agaagatgga  | aaattatatc  | 3481320 |
| aaaatgcggt  | catgggtcag  | gaatggaagc | ctttgcccta | tttgctttcc  | attacgaatt  | 3481380 |
| tgtcttttga  | tgatgtggag  | gcaccaata  | tccgtcactg | cgattcgctt  | gctaccaaag  | 3481440 |
| taacagattt  | tactggcaaa  | gacaagggtg | atgtgatttg | catgaaccgc  | ccatacggag  | 3481500 |
| gcagcacgga  | agccagcgtg  | aaaagtaatt | ttccgatgga | gatgcgtagt  | agtgaaacgc  | 3481560 |
| cagacctttt  | tatggtgctc  | attatgtacc | ggctgaaagc | aggaggctcg  | gcgggtgtta  | 3481620 |
| ttgtccctga  | cggttttctc  | tttggcacgg | atggagcaaa | attggctatc  | aagacaaaaa  | 3481680 |
| tgttgaagga  | ttttaacttg  | cacacgatta | tccgattgcc | gggaagcatt  | ttttctccat  | 3481740 |
| atacttccat  | tgccacaaac  | attcttttct | tcgataatga | aagggcggag  | gatgctccgg  | 3481800 |
| aaggatattc  | caccaaaggc  | acttggttct | accgccttga | tatgccggag  | ggctataaac  | 3481860 |
| atttttccaa  | aacgaaatcc  | atgaagtgtg | agcattgtaa | cccgatgaag  | gaatggtgga  | 3481920 |
| atgaccggaa  | agagattatc  | attgatgacg | gtaatgaaaa | atctcgttat  | ttctctgtgg  | 3481980 |
| aagaacttat  | tgccaatgat  | tgtaacttcg | atgtgtgtaa | attccctaaa  | gacgaagagg  | 3482040 |
| aaatactgcc  | tcctgccgag  | ttgcttgccg | attattacaa | gaagcgtaag  | gcacttgacc  | 3482100 |
| acgagataga  | taagacgttg  | gctgaaatgc | aacggatatt | gggaatcgaa  | ttaccacagg  | 3482160 |
| aataagaata  | gcgtgctgct  | tgtacaactt | gaaatgagca | taagtatgaa  | agacttaacg  | 3482220 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| acatccaata | tagataggca  | aaacatatta  | aacaaccgtt  | ttgcagttga  | aaaggtgcaa  | 3482280 |
| tcccaaatag | gtgtcacggg  | tatgcttttc  | aatggggaat  | acctgttcac  | taaacaaatg  | 3482340 |
| gttgcggtt  | tctatgaagt  | ggatacgtcc  | acaatagacc  | gttatttgtc  | atcgtatggc  | 3482400 |
| gaggagtga  | agcacaacgg  | ttatatttta  | tgtaaaggta  | agtcgctgaa  | agagttaaag  | 3482460 |
| ttacaatttg | ctcacctcat  | aaatgaggcg  | agcaaaacta  | cccaacttgg  | cttgtttaac  | 3482520 |
| ttccgtgcat | ttttaaatat  | aggtatgttg  | cttacagaaa  | gcgataaagc  | caaacaagtg  | 3482580 |
| cgaagcatta | tgttggtttt  | agttatatct  | accatcaatg  | aaaaaacagg  | cgggtggcact | 3482640 |
| aaatatatca | accgtaggga  | tgtcaattac  | atatctgctg  | ctatcacaga  | agaaaattac  | 3482700 |
| cgaaaaaatc | tcacatcagc  | aatcagccag  | tgtgtaatgg  | ggcatgtcac  | ttacaagtat  | 3482760 |
| tccttaatta | cagactatat  | ctataaagct  | atthttcaag  | aaaacgcaaa  | ggaatacagg  | 3482820 |
| gagatactga | aactggatag  | caaggacaat  | gttcggcaca  | cactgtatgc  | agaagttctt  | 3482880 |
| cttgctattt | cctcctttga  | gaatgggtgt  | ggggctgcta  | tacgagaaca  | gtataaaacg  | 3482940 |
| agaaaaaagc | gtcttactgt  | tgaagaagtg  | aagtgcata   | ttgatgaact  | cgcagaacat  | 3483000 |
| cccatgcaaa | aaccttacat  | aaatgatgcc  | cggacaaaaa  | tggcttcaag  | ggattatagc  | 3483060 |
| ttccgtgatg | cttatcatgg  | caacattgca  | aattattttga | gagccgtaac  | ccctgaagag  | 3483120 |
| tttgaacggt | ttattgggtga | ccagtcgatt  | gattttgacc  | atatcttggc  | agagaataaa  | 3483180 |
| gatgtgctga | aacgcttaaa  | gcaggcgga   | gatgaatgag  | gaaattattt  | atattgacta  | 3483240 |
| cgatgaggtc | ttaaaccatct | atggcaagat  | gatagatgcc  | agcgatggag  | gctttgaagg  | 3483300 |
| agtacgtgat | gaaggaggtg  | ttcgtgctac  | acttgatttt  | gtgcagaacg  | atthgtatta  | 3483360 |
| cccaacattt | gcggaacagc  | tgacctatct  | tatgtataga  | ttttgctccg  | ggcattttctt | 3483420 |
| caacgacggg | aataagcgta  | ttgcattgac  | tcttggggca  | tacttcttac  | acaagaataa  | 3483480 |
| ttactatttg | cacgcttgca  | tttgtatgcg  | tgcatgtggag | tctattattt  | atcacgtggc  | 3483540 |
| tgcatcaaat | atcgaccaag  | atthattgtt  | acgcatcata  | aacagtttta  | tgacaagcaa  | 3483600 |
| agactatgat | gaagaattga  | agatagatat  | tgccaaagcc  | atgagtaagg  | gtaatttggg  | 3483660 |
| tattgaagg  | gaggattaca  | ataaaaaagt  | ttgaaaatat  | gaagactata  | aaaataatat  | 3483720 |
| tactgctttt | ctgtattgtt  | ttagggctta  | acactaaggc  | gcaaacagta  | ggttataatt  | 3483780 |
| ataaagtact | cgcagccgaa  | ggttgtaaca  | tgaagtatag  | tgtatcaaag  | caagatacca  | 3483840 |
| tttattcagt | agttgctaca  | gtacgttcag  | acagaatgaa  | ttttctgaat  | gagcctacca  | 3483900 |
| tgaaaatcag | aactttttaca | ggcaagttgc  | ttgaattgaa  | aggaactgta  | attggtaatg  | 3483960 |
| gcagtcagtc | tgttggcata  | atcagtgga   | atattgtatc  | cctattacag  | aaataagttc  | 3484020 |
| aactgcccac | ttcagaattg  | ctccacaaca  | atthgaaatc  | ttgaatgaag  | gtgtggctaa  | 3484080 |
| gattcgtttg | tctatgacac  | cgatgaacca  | tgaacgtact  | ttcaagaaag  | ataaaatagg  | 3484140 |
| gaaaaagcta | tataagttct  | atctgaaaga  | gaagcaaaag  | gacgaagaat  | tctaaatctg  | 3484200 |
| ttggaataaa | atgaacggaa  | aacaacttaa  | aaacagcata  | ctgcaatggg  | cgatacaggg  | 3484260 |
| taaacttgta | ccgcaagacc  | ccaatgatga  | accagcaggc  | gttctttttg  | aacgtatccg  | 3484320 |
| caaggagaa  | gaacggctta  | ttaaagagaa  | gaaaatcaag  | aaggacaaaa  | acgcatccat  | 3484380 |
| catattccgt | ggtgaggaca  | attcctatta  | tgagaagttc  | ctcgccacgg  | gggtggtgaa  | 3484440 |
| gtgcattgat | gaggagattc  | cgthtgagat  | tccaagtagt  | tgggaatgga  | cacgcatatc  | 3484500 |
| gtctatatth | caacttaatc  | caagggtaga  | agccaatgat  | aatatgcttg  | cagcattttat | 3484560 |
| tccaatggaa | gcaatttagtg | ctgtatatgg  | ttcagattac  | cattactatg  | aaaggaagtg  | 3484620 |
| gaaagaaata | aaatccggct  | ttactcagtt  | cgctgacgga  | gatatagcat  | ttgctaaaaat | 3484680 |
| aacgccatgc | tttcaaaaaca | ggaaatcagc  | cgthtttctt  | aattttacca  | atgggtatagg | 3484740 |
| agcaggaaca | acagaattaa  | aagthtttacg | tccatatggg  | gaaactataa  | atcgthttcta | 3484800 |
| taccttgat  | ttccttgaaa  | gtccatactt  | tattgatgaa  | gctactthta  | aagggtacagc | 3484860 |
| aaatcaacag | cgtattgttg  | ttgggtatth  | ggaaaacaag  | ctthtttccgt | tacctccaat  | 3484920 |
| tgaagagcaa | tgtcgaattg  | ccggtaaaat  | tgctgaagtt  | ttaccgatag  | cggatagata  | 3484980 |
| tggcaagact | caaacaaaac  | ttgataatct  | aaatgtagaa  | ttaaaaaata  | tactthaaaaa | 3485040 |
| atctgttctt | caagaagcaa  | tacagggcaa  | actgtttcca  | cagatagagg  | cagaaggcac  | 3485100 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| agcacaagag  | ctacttgaac  | agatacaaca  | ggagaagcaa | aaacttgcca  | aagaaggcaa  | 3485160 |
| gttaaagaaa  | tcagctctca  | atgattccat  | tattttcaaa | ggtgacgata  | acaagtatta  | 3485220 |
| tgagcagata  | ggtggtgaaga | tagttgatata | aacagatgaa | atgccatttg  | aaatacccgga | 3485280 |
| cacatgggca  | tggtgaagaa  | taggaatact  | ttttgctcac | aacaatggaa  | agcagcttaa  | 3485340 |
| taaaagtaat  | tcttctggta  | gatttatgga  | gtatattact | acgtctaatt  | tgtattggga  | 3485400 |
| tggatttaag  | ctggataacc  | tcaaaaagat  | gccctttgaa | aagaacgaaa  | ttgaacgttg  | 3485460 |
| ccaagctatc  | aaaggcgatt  | tgtagtttg   | tgaaggcgg  | gatgtgggta  | gaacatgtat  | 3485520 |
| ttgggaatat  | gattttccta  | ttatgcttca  | aatcatata  | cataaattga  | gggcttatta  | 3485580 |
| tcctctttgt  | acaaaatact  | tttattatat  | cttctacctc | tacaataaaa  | taggcattat  | 3485640 |
| aggaggaaaa  | ggtattggta  | ttcaaggatt  | ttcagctaaa | gccttacaca  | atacacttgc  | 3485700 |
| accacttccg  | ccacttagtg  | aacagaaacg  | aatttgtagt | cgaatatcgg  | aattgtttgg  | 3485760 |
| caagattaag  | gcgtaataca  | gccttaatct  | tgctgtatat | ttcattgatt  | ttgttcacaa  | 3485820 |
| ttcttatattg | ctcttgatgc  | ggtggaatgc  | cgataataag | tgaatagaat  | atttccttgt  | 3485880 |
| ttagatgtgg  | aatggctgcg  | cctcgtttag  | actttcgcaa | taactccttg  | tagaacagaa  | 3485940 |
| tatagttaa   | gacatacggc  | aatgcataa   | tagaactaac | ccagagtgc   | ttaaatgtgc  | 3486000 |
| tacccatata  | gccatcacaa  | ggtacagtga  | acacttcgcc | agaattttct  | ccgtccacaa  | 3486060 |
| ggatgatgtt  | atcgcccttt  | tgcacaaatc  | tcccccttgg | caagtaatca  | cctgcactct  | 3486120 |
| ttccacgcag  | atattttgca  | tcaaggcaaa  | ttgtgtgcc  | atctttcttc  | tcgccgtcaa  | 3486180 |
| caagagtaca  | aatagaagat  | aatctcgtaa  | cagcccaatt | gttcggaaaa  | tagtaatcgc  | 3486240 |
| attctatttg  | agctacttgg  | ccatttgtct  | gtcacaata  | cttgctaatt  | tctcaatttt  | 3486300 |
| agatacaata  | cgatattgtt  | ctttaagagg  | cggtaaaggt | attaaatgcg  | aaaccaattt  | 3486360 |
| ttctctagat  | atattcggct  | gcgcaccacc  | ttctcctttt | cttacaanaa  | cgtttttgc   | 3486420 |
| ggcaattaag  | aaataaaaata | gatatttgtt  | gtaaatgaat | ggagtacatc  | cacaacaagc  | 3486480 |
| ttgatttgta  | gtcatttctt  | tacctgcaat  | agcgactttc | ccaatagttg  | caccatacat  | 3486540 |
| tgcaatgaga  | acatctccgg  | gtttgttttag | cttgaaagag | cattttttca  | gagctttatc  | 3486600 |
| tgttatcttg  | atttcgggtat | catttacaac  | tccattatta | agttcacctg  | ttcttaacca  | 3486660 |
| aaggatgttt  | cctccgtagt  | aatcagaatt  | ttcctttgca | ggagtgaac   | cagaccccca  | 3486720 |
| atctccaata  | ttccccattc  | tcgtataaac  | ccaatttgac | ggtatgtcaa  | atgggtatttc | 3486780 |
| atcgtcaatg  | caacgcactt  | cctttccaat  | cttctcccaa | tacttgttat  | cgtcaccttt  | 3486840 |
| gaagatgctg  | gaatcattga  | gggctgattt  | ctttaacttg | ccttctttgg  | caagtttttg  | 3486900 |
| cttctcctgt  | cgatctgtt   | caagcagttc  | ttgggctgta | ccttcttcaa  | atatttgagg  | 3486960 |
| aacaagttta  | ccttgatttg  | cttcctgtaa  | aatggacttt | ttaaattgtt  | ccttaacttg  | 3487020 |
| ttcattcaat  | tggttaagaa  | agtcttggt   | tttcccatag | cgttctatga  | ggaaagatac  | 3487080 |
| attgcgtaat  | ttttctacaa  | tttgttcttg  | ttcatttatg | ggagggattg  | gcaatagcat  | 3487140 |
| tttggaagt   | gttttcccat  | tacagtttag  | ttgtgctgtt | gctattgtac  | cattctttta  | 3487200 |
| ctgttcccaa  | tataattgac  | tctccataaa  | agctttcata | taataaggac  | agagcaaaga  | 3487260 |
| gctataacctt | gttctaataca | aatatcctgc  | atatatcgct | ttcacaggta  | catcttccac  | 3487320 |
| taaaaaggac  | tttccacag   | taccacctgt  | tctggcaaat | agaatgtcat  | ttactttcaa  | 3487380 |
| aagatatgtt  | tctatttcac  | ttgtattaat  | caaacaaaat | ggtacattct  | cccataaacac | 3487440 |
| tttgttattc  | tgaatgtcac  | ttatacgaac  | catccttata | tctccatttt  | ctaaggctgg  | 3487500 |
| tgcatataaa  | ccatattgaa  | tagattgaga  | gatatttccc | caacgttccc  | atgcccact   | 3487560 |
| atttggaatt  | tcaaacggaa  | tctcctcatc  | gatacacttc | acttccccgg  | taacaaggaa  | 3487620 |
| cttctcataa  | taggaactca  | acgcatttgg  | ctttcagcct | aattttattag | agataactca  | 3487680 |
| ttgtttcact  | aataaatttg  | aatatggaaa  | ttaaagattt | tgaggaatgt  | ttgcgccaga  | 3487740 |
| gcaatatggc  | agaaaacacc  | gttacagcat  | acgtgtatgc | tgtaaaagag  | ttctattccc  | 3487800 |
| gatacaagga  | tttgaacaaa  | aagaacttgt  | tgatttacaa | gacgtacctg  | attgagaagt  | 3487860 |
| ataagcctaa  | gacgggtcaat | ctccgcatac  | aggcagttaa | taagtatctt  | gatatgtcgg  | 3487920 |
| ggaagtcacg  | gttacgacta  | aagtctgtca  | aggtacaaca | acgctcttat  | ttggagaatg  | 3487980 |

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| tgattagcaa  | tgccgactat | acattcttga  | aaaacaaatt  | aaaaagggaa  | gataaccttg | 3488040 |
| cgtggtat    | cgtggtacgt | tttcttgccg  | ctacaggagc  | acgtatcagt  | gaacttatac | 3488100 |
| agatgaaagt  | ggaacacgtg | atggtcggct  | atttcgacat  | ttacaccaa   | ggcggtaaga | 3488160 |
| ttcggcgtat  | ctacattccc | aaagtacttc  | gtatggaagc  | tgtatcttgg  | ttacaaaaag | 3488220 |
| aaaagcggac  | aacaggctat | ctgttcctta  | atcgcttcgg  | gaatcgaatt  | acggcaagag | 3488280 |
| gtatagccca  | acaactgaaa | aattatgctc  | aaaaatacgg  | attgaatgag  | aaagtggttt | 3488340 |
| atccccattc  | gttccggcat | cgtttcgcca  | agaatttcct  | tgaaaagttc  | aatgacatat | 3488400 |
| ccttattggc  | ggacttgatg | gggcatgaga  | gcatagaaac  | aactcgcatt  | tatttgcgcc | 3488460 |
| gtagcagttc  | cgagcaacag | gctatagtgg  | acaaggctcat | tacttggtaa  | agttgtggtg | 3488520 |
| gcgtaattta  | tcaacaaagg | gatactgctg  | aaatatccct  | ttgttgtaga  | tagaatactt | 3488580 |
| atcttctttg  | cttgattttc | tcctgcatca  | ggctgtcggg  | aacagccttc  | aagtttctgt | 3488640 |
| cgtagccgtc  | agtctcctgc | tgtagccatt  | caatggtttc  | ctcgttgcga  | tggatgtcga | 3488700 |
| acacatcggt  | cagccaaagg | atatgactgg  | cattgcatcc  | tccccatgag  | cggatgacgc | 3488760 |
| ggaacttcaa  | cgcacgtcc  | tcatattggc  | gcttgatttt  | ccatagctca  | atgttgaccc | 3488820 |
| aaattgaaag  | gctgcatacg | atgcccatgc  | cgaccaaag   | agaaagcacc  | ttgttggtg  | 3488880 |
| tgatgtcgaa  | ttgatgacgg | tggatatgct  | cctgcggctc  | gggtgcgcgt  | tcttccgaac | 3488940 |
| ttagggcaaa  | cgattccttc | aaagcccgtg  | acagggtgtag | aatcctattc  | gatgcgtaaa | 3489000 |
| cctccgcttc  | agcgaatttg | gtcagcatgg  | cttttgtctg  | tgcctgatgc  | tcccttgcg  | 3489060 |
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| gattgttgg   | tacttttga  | gcgttctcta  | actttccgtt  | gatgctcttg  | aggtcattct | 3489180 |
| tgatgtcctc  | aaagagcgag | taaacttcat  | tattatccat  | gtttaaaatc  | ttattttacg | 3489240 |
| ttgtttcttt  | ttcttggttc | tgcgttttaa  | ttcttcctcg  | aaacggtttt  | cctcagcctg | 3489300 |
| tccgtccgcg  | ttgtccggca | tgaaaagacc  | aatcgaaccg  | ctgtacaaat  | catcgtttcc | 3489360 |
| ccttgattca  | ggttgaaacg | tgggcagttc  | ttcatgacgc  | gaagaggggtg | acatttccat | 3489420 |
| tcgctcggta  | tgtctgttac | gttccaatgc  | agcatctatc  | ttggaatagc  | tgaaccgcct | 3489480 |
| gtcaatcttg  | gaaccgctga | acgaatagcc  | gttcatgggtg | aaaactatac  | cctgcacctc | 3489540 |
| gtccgacttg  | cccttgact  | tgaactgaat  | ttccacgcct  | tgtttcttca  | gattagcggc | 3489600 |
| aagaatgttc  | cagtttccac | accttgaaac  | ctccgattta  | aggatggagt  | aaagcccgtg | 3489660 |
| cttggctctg  | tccggctctt | tcaagcgggtg | ctgcttcacc  | cgttccttgc  | cgttggcaaa | 3489720 |
| atacaggtta  | tatttcttcg | tcagttcctt  | acagatgcgt  | gtgctacgta  | ttcgtcgtt  | 3489780 |
| gcggctcgctg | attgtcctgc | cattattggc  | gatacgggtg  | aacgctatat  | gcacgtgcgg | 3489840 |
| atgctccttg  | tcgaagtggc | gcacgatgag  | aacctgcgtg  | tcggttatcc  | ccattttctt | 3489900 |
| caggtattcc  | aacgctat   | ctgccattgc  | gcggctcggtc | aggcgggtgtt | cgctctcctt | 3489960 |
| ggagaaaagcc | aacgaaatgt | gtccgacagg  | cttcgtaacc  | tctggattca  | tctttgattg | 3490020 |
| tacctcgaag  | ctcatggcta | tcgtgtcctt  | gttctcgga   | aacagaccgt  | cacagacaag | 3490080 |
| gatttttagcg | tcctttccct | tgtcaagaat  | gtagctgacc  | acaccctga   | aactgcttcc | 3490140 |
| ctttacgatt  | ttagctatca | tatccggctg  | ttataagagg  | attaaattca  | gcacttcttc | 3490200 |
| aatccgtgcc  | acgagtatgt | ggcactccat  | cctcaccatg  | acgaagcctg  | cggcgttcgc | 3490260 |
| cttgtgtgca  | agctggttca | ggttggttcg  | catgccgcag  | agttggcgga  | cgtaaccagt | 3490320 |
| atgttccggc  | gtgagccgt  | ccttcacttg  | cccctccctc  | atgcagcggc  | gcaggaactc | 3490380 |
| cccggcggat  | atgccgcgc  | tccgtgcctt  | gcctttcagc  | gtatagtagt  | ccgatgtcgc | 3490440 |
| catctttacc  | gtgaggcgg  | atttcagctt  | atctgccgct  | cccttcttgg  | ggcgacctcc | 3490500 |
| cttgtttctt  | cttactgttt | tttgcttatg  | ctccatacgt  | ttattactgt  | ttataataca | 3490560 |
| gataccatt   | agaccaacgg | gatgcaactc  | tccacggagt  | tcatgagtgg  | gagcaggcgg | 3490620 |
| tttcggtatg  | cccgaacac  | aaacttgctc  | ccctcaaaac  | tccgttgga   | tggttcagg  | 3490680 |
| taactctgaa  | tcgctcccgt | caatccgcct  | cttaattctc  | agagtttacg  | ccatgcctcg | 3490740 |
| atgtcttctc  | cgtaggtgtc | aaggtgctgc  | cgcgcatgt   | tctccaccag  | tcccgcacgc | 3490800 |
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| tcacccaacg  | atgcccgtcg  | ctgcttgccg | ctgatgcggc | gtaccacctg  | tggagttcca  | 3490980 |
| tccgcttggt  | ccggcacggc  | ttcacttaac | ttttcctgta | caacctcgct  | tgctttttcc  | 3491040 |
| ggctgttcct  | ttgtgtcggc  | aggctgtgtg | tcgggcttag | ggattttccat | actcggcttg  | 3491100 |
| ctacctaaaa  | aatcctgcaa  | tgctgcatcc | atactttggc | tgcttaaatt  | tttcttcata  | 3491160 |
| cttgtttgaa  | tttagtggtt  | aacaatgttg | gtcgttggtc | gcacatttga  | ccgattatca  | 3491220 |
| gttgcaaagg  | aaatggctgt  | attgcaggct | gtcaaacgaa | tgggtggact  | gtggcaacaa  | 3491280 |
| tgtttgggtt  | tgcactttat  | gcattgtcgg | aacggtgtgt | gctgcatcgt  | tttgccattg  | 3491340 |
| tgcgagaaat  | ggcattagga  | tttttaaggg | cttaattgga | atggttggaa  | cagatttaag  | 3491400 |
| gacatggctt  | ggcgtgaaac  | agatgaagct | cctttcaaga | agtataggaa  | tccgaagaac  | 3491460 |
| gccataggct  | accacaccga  | cgccaaatgc | tgccacgcct | ttacgaagtg  | gttggattgt  | 3491520 |
| gccggacttc  | gcttttcttt  | gcatcatgga | cgcttgaaac | agccgtcacg  | ggttcgacgg  | 3491580 |
| ataacgccac  | tcccgaccac  | ttgtgccac  | aagctgccac | ctcattgcaa  | atccattgtt  | 3491640 |
| tcaagcggac  | aacggcttta  | ctttgcaggc | aaaaagaaga | acaattagta  | aatataatga  | 3491700 |
| gcatggaagt  | agtaatcatt  | tcaaaaagca | agtatgagga | aatggtcggc  | aagctcaacc  | 3491760 |
| gcctgtccga  | ccgggtgaat  | gaaatccttt | gcaagaggga | ggggaaacgg  | ctcagccgct  | 3491820 |
| ggatggacaa  | ccaagaagtc  | tgccaacagt | tgcgcatcag | tccgcgtacc  | ttgcagacgc  | 3491880 |
| tccgcgataa  | cggaacactg  | gcttactcgc | aaatcggaca | taagattttc  | tacaagccgg  | 3491940 |
| aggatgtgca  | gcgcatcgtc  | cggctcgtgg | aggacaggcg | taaggatgca  | gcctatcgtg  | 3492000 |
| gctgtagcat  | ctaatacagac | aacataatgt | acaaccacta | aatccactgt  | aaattatgaa  | 3492060 |
| cgacttgatt  | cttgccgacc  | gtgaactgga | ggtcggcttc | atcggaacac  | tggatgcctt  | 3492120 |
| gtttgaaggc  | atcgaaagaa  | tggacgcgga | gcacaaggct | tcgccaagta  | acgaacaatt  | 3492180 |
| cctgacggac  | aaggaggtgt  | cggcatggct | caaagtgagc | cgacgcacct  | tgcaaggacta | 3492240 |
| ccgcaacaac  | gggatgattt  | cctattacca | gttgggaggc | aagattctgt  | acaaggaatc  | 3492300 |
| ggacatcgaa  | aagatggtga  | tgagcggcta | tcggaacgca | taccgcttgg  | gtacgtgatt  | 3492360 |
| agacacatgc  | aaaaacagag  | aaagccgatg | gtcgggcagt | tctcctgccg  | ccatcggctt  | 3492420 |
| tctctataca  | agaaggtcgt  | ttcgcgtcat | tctaacacgt | acatcgtgga  | tgggtaccgg  | 3492480 |
| atagcgaaaa  | gaacaaattt  | acaggttttt | cacggtttgc | tatgcatagc  | ctttccatga  | 3492540 |
| tgaaccgtct  | gaaaaccatg  | ctctcccgac | ttctcaactt | gaaggaaacg  | gcaatcacca  | 3492600 |
| tttcaaggct  | gtaaacatcg  | tagtttatcc | cgttgtcctg | cctgacatgt  | cgcatcgttt  | 3492660 |
| cttcttctaa  | aactccatgt  | ttttgtagat | ggcgtgtaca | gccttacgaa  | tgtgacagcc  | 3492720 |
| gaacacattg  | aacgcatcgg  | acatttcctg | ctgcgtcatc | caaacgggag  | cggtcggcat  | 3492780 |
| agtgaccacc  | ccgttttcag  | tgattgtaat | gattcccctg | tccatagctc  | ttaccttaca  | 3492840 |
| ttagaaagta  | catttcgtac  | attggtcata | tcacgcagaa | tggaaactatc | cagcacacgc  | 3492900 |
| gcatagtgtc  | gtgtcatttt  | tatatggag  | tgaccgagca | tctttgccac  | gttctcaata  | 3492960 |
| ctcacaccat  | tggcgaggca  | gaccgaggtc | gcatacgagt | gccgcgcaac  | atgagtgggt  | 3493020 |
| aagttcttct  | ttatcagaca  | caaatcggct | atctctttca | aatagctgtt  | catcttcttg  | 3493080 |
| ttgcagggga  | cagggagcaa  | tacctttttc | ttttggcata | tcggatggtc  | ggcatactta  | 3493140 |
| cggagaattt  | ccaaaggaat  | gtcaagcaaa | gggatgttgc | acatatctct  | cgtcttttgc  | 3493200 |
| cgtggcttgc  | gaatccatag  | attgccgttt | gcatcttcta | caacatgttc  | gggtgccagt  | 3493260 |
| tgctgcacgt  | caatgaacgc  | caaccccgtc | attgctgcaa | agatgaagac  | atcacgcacg  | 3493320 |
| attcggtatg  | gctccaatgg  | aaagtcttta | tggtagatgg | tgagcagttc  | atccattgtc  | 3493380 |
| aggaactcgc  | ggataacctc  | tttctcatgg | aacttgatac | cgacaaaacg  | gtcttttggt  | 3493440 |
| atccattcgt  | ttgccaaagc  | gagattgggt | atctttttca | ggcacttcat  | gtaacggata  | 3493500 |
| acgggtattct | gttggcagga  | tttttccgtt | ttgaggtaga | actcaaaggc  | acgaaccaac  | 3493560 |
| tccccattga  | cttccgtcaa  | cggcaaatcc | tctttcccat | acttctgtct  | gataagctct  | 3493620 |
| gcgagatagc  | gtttgcagct  | ttcataacgg | cggacggtaa | tcaacgcgta  | gtctttcccc  | 3493680 |
| acgagggcgc  | ggcattggtc  | attatgttcc | tgtatggtgt | tgatgagcgt  | gcagacttct  | 3493740 |

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|-------------|------------|------------|-------------|------------|-------------|---------|
| tccagctcct  | tgtcttgtcc | gaaaaacttt | tcctgcaaca  | gacgggcggt | gatgggctgt  | 3493800 |
| cggtgttcct  | ccagttcatt | aaaaatttgg | tggagcttga  | tttttgcatt | ttcgatatag  | 3493860 |
| gcgttcaggt  | cgcacgcctt | gcggcttttc | ccacgggcac  | actccttcgc | ctgattccat  | 3493920 |
| gacgcaggg   | cgatgctctt | gcggatgttg | gtttccactc  | gcgcaccgtt | cacggtgatg  | 3493980 |
| cgcatacaca  | cggaggcttc | tccgtttttc | agcagtttgg  | ctttcttgat | gaagaaaagc  | 3494040 |
| acattgaacg  | agtttctttt | cattttccta | caatttttag  | ttggacaaaa | gtaggaaacc  | 3494100 |
| atccgcgttt  | tattgatacg | caaaacattg | caaatcaacg  | aataagaatc | cggttcgggtg | 3494160 |
| gagaatttcg  | ctccaccctt | tccgctccac | cttttggaac  | accgaaagcg | gtcatattcc  | 3494220 |
| gcactttttt  | gcgtcctgcg | ggaaaacaaa | aactcccgat  | ttcgtttgga | aatcaggagt  | 3494280 |
| ttactgctat  | ttgcttttct | tcaaagtgg  | gccaccagga  | atcgaaccgg | ggacacaagg  | 3494340 |
| attttcagtc  | ctttgctcta | ccatctgagc | tatggcacca  | acatgtaatt | gcaaaagggt  | 3494400 |
| ttccttattt  | gcggttgcaa | aggtaaacta | aattttcggg  | gtatacaaat | atttggtgaa  | 3494460 |
| ataaatgata  | aaaaatattt | tatgtaaatt | tttctcttat  | ttgtttggcc | gtttctcaga  | 3494520 |
| atatgcatat  | ctttgcaccg | caaatcagaa | atgactgcaa  | tcggaatgta | gcgcagttgg  | 3494580 |
| tagcgacta   | cgttcgggac | gtaggggtcg | ggcggttcgag | tcgcctcatt | ccgacagaaa  | 3494640 |
| aaggtttaac  | tcttctctct | gagttaaacc | ttttttattt  | tatatcgata | tcatatcggg  | 3494700 |
| tgtaagggc   | tcaatgtaaa | accctgaggg | attcgttgat  | taagcataaa | ttttagttgg  | 3494760 |
| tttgaacaag  | gtaaatttgg | attaacgtag | aaagtcggga  | aagagcgata | tgtgggttgg  | 3494820 |
| tggaagattt  | tacgtgtgat | gcccgaaaaa | caaaaaatcc  | cgattcaaaa | agaatcaggg  | 3494880 |
| tttaaagtgg  | tgccaccagg | aatcgtaatc | taacgataag  | tggctgaata | tctttgatgt  | 3494940 |
| atcttttagc  | taaagaagta | atctcccgt  | attgctccac  | cggattcttg | caatattttg  | 3495000 |
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| caagcagatg  | cctcatgttt | ttgctccacc | tcggtgtgga  | aacttaattc | gaatattgat  | 3495120 |
| gtgtacaaaa  | ttttatattc | ttctataact | catagcatat  | ctatctgatt | gagtatctat  | 3495180 |
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| ggataatcct  | atagaattat | ttttatttag | aaacaatact  | tcggtaaatt | tttaccgata  | 3495360 |
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| gctgaaacgt  | atcttctggc | cagtcgtgtg | tgatgcgttc  | ttttcaaagg | caactttcat  | 3496140 |
| caaaccattg  | tacgataacg | gtttccacgt | aataagccgt  | ttcaggaatg | atgccgtatt  | 3496200 |
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| gaaaattgac  | tttgaaaatc | tggacatcac | aagatgtacc  | gagtacaaa  | tgaacaagg   | 3496320 |
| taaactttac  | ggactgaaag | catactccaa | agcactcaaa  | cgctttgtga | gcctggctgt  | 3496380 |
| atggtacccc  | atggatggaa | gaacggacaa | atggcagctg  | tatttctcta | caaacgaaat  | 3496440 |
| acagaacgca  | caggatgtcc | tggactttta | cagaacacgt  | ttccaactcg | aattctgctt  | 3496500 |
| tcgggatgcc  | aagcaacatg | ccggaatagc | aaactgtcag  | tctacagact | tcaggaaact  | 3496560 |
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| caaagaactc  | attttattta  | ctgccagagc  | cgcttaggct  | gggctaattt  | ttaacgaact  | 3496800 |
| attgttagaa  | ataaacgcc   | tcctttttca  | tattgccatt  | gaggtgactt  | gtaaagagca  | 3496860 |
| gccttgggat  | aatacattgt  | atcattcatt  | ttggcattta  | gccccaatga  | taaacctaaa  | 3496920 |
| taatatcga   | caaacgatgt  | tgcattatat  | cttctattgt  | catatattat  | aggataaata  | 3496980 |
| ttataaaaagt | atttgaacc   | agttattact  | caatattttg  | tgagttataa  | gtcagaaata  | 3497040 |
| tgggcataac  | ctttaggggt  | acattctaaa  | aggtgaagat  | ttaacctttt  | tattatttct  | 3497100 |
| taacactcaa  | agagcgggtg  | tagagggtat  | tttccctctt  | ttcgggtactt | tattgatggt  | 3497160 |
| tcgatgttcc  | catctttcca  | cattgcttgg  | ctcgttcgca  | caagccacta  | caaagggtact | 3497220 |
| acaattttcca | ataaaggcaa  | gaggacagca  | attcaaactc  | attatttttg  | agggagtga   | 3497280 |
| atctgccgct  | tgccaaattt  | ctctctgtcg  | aaaataatag  | tcctctgaaa  | agaatgaaaa  | 3497340 |
| cagcattgat  | aaaattgcct  | tattaagggg  | ggctatgctg  | ttttatgcta  | ttatttcgtc  | 3497400 |
| agtcgtttat  | ctccgttggc  | ggatgcagtt  | ttcagccaag  | ccgatgaata  | agaaaagggt  | 3497460 |
| ttggagctgt  | ttactctcca  | acggaggacg  | aaactgctcc  | aaatggttta  | ccgcttgaac  | 3497520 |
| ttttcgtttt  | ctaaaagagg  | tttggaacc   | tttgcacccg  | acaaaaggag  | ataaatgacc  | 3497580 |
| agatatataa  | cagtagtatt  | acattaaggt  | aaagaacaac  | catggtatag  | tattattgca  | 3497640 |
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| ttttttgtat  | ttgataaatg  | tccaataactt | cggtaaattt  | ttaccgataa  | attaaaatta  | 3497760 |
| aacatagaat  | cggcataatc  | cggttcaaaa  | ttatattcaa  | gagatcattg  | aaatactgtc  | 3497820 |
| aagaataaat  | cgtaaggag   | taagaaaagg  | gatgaaaaag  | atatgctaaa  | cagctgaaaa  | 3497880 |
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| cggacacagc  | ataccgcaac  | aatttttgaga | acgacggctt  | tgactgggtt  | tccttcaatg  | 3498180 |
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| gtgaatacaa  | acgtggactg  | gaaataaccg  | gtattggagt  | tatagacggt  | gacaaccatg  | 3498360 |
| aatgtatgac  | tttgggctct  | gtacagacac  | ctgacaacgc  | aacgctggaa  | agctgtgaga  | 3498420 |
| agaatcttgt  | tgactggtac  | agctcttacc  | ttatcagcat  | acaggaacag  | ctgaaacgta  | 3498480 |
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| acgataacgg  | tttccacgta  | ataagccggt  | tcaggaatga  | tgccgtattg  | ttttatccca  | 3498600 |
| ccttagaaaa  | taggacagga  | aaacgcggac  | gtccaaaatt  | acatgacgag  | aaaattgact  | 3498660 |
| ttgaaaatct  | ggacatcaca  | agatgtaccg  | agtacaaagt  | gaacaagggt  | aaactttacg  | 3498720 |
| gactgaaagc  | atactccaaa  | gcactcaaac  | gctttgtgag  | cctggctgta  | tggtacccca  | 3498780 |
| tggatggaag  | aacggacaaa  | tggcagctgt  | atttctctac  | aaacgaaata  | cagaacgcac  | 3498840 |
| aggatgtcct  | ggacttttac  | agaacacggt  | tccaactcga  | attctgcttt  | cgggatgcca  | 3498900 |
| agcaacatgc  | cggaaatagca | aactgtcagt  | ctacagactt  | caggaaactg  | gcattccact  | 3498960 |
| ttaatgcatc  | acttgacgag  | ataaacctcg  | ccaaggctgc  | ctgtaagaag  | atgggaataa  | 3499020 |
| aatattccat  | atcatcatgc  | aagtcagtca  | tacacaatgc  | ttacatgctt  | gaacgattta  | 3499080 |
| tttgcgtgtc  | tgggattgaa  | ccaaacacgc  | aattaattga  | caaacttttc  | aaagaactca  | 3499140 |
| ttttattttac | tgccagagcc  | gcttaggctg  | ggctaatttt  | taacgaacta  | ttgaaatgtc  | 3499200 |
| gtaattaaat  | aaaaaataatc | acgcataatg  | actttttctt  | ttttctaaat  | ttcttcaaat  | 3499260 |
| gacaaattat  | tgttaccttt  | gtaatgtaat  | gtagttaatg  | gttgcgctta  | taaagtcctt  | 3499320 |
| ggaaaggatt  | tatgtataaa  | agaggtagat  | gtttactctg  | ttcttgccctg | gattatcagc  | 3499380 |
| atcactgata  | tgaaataaca  | gaaaaaatat  | acaatggcta  | agcggacgga  | caggcaggga  | 3499440 |
| aatagtacag  | attcccaatc  | cccctcttta  | taatacattg  | cgtataagat  | ttattaactg  | 3499500 |

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| ataatgttct  | tcatctgtag  | tgctcaaaaa  | attgatgcac  | aagtacagaa  | tatcagagag  | 3499620 |
| aaacaagata  | ccatttcggc  | gactaaatca  | ttagagcata  | tcaggcccga  | gaatatcaag  | 3499680 |
| aagggaacat  | tgaataatgc  | tttgatgta   | ttgagtggtc  | agtctgccgg  | tgtgaacgtc  | 3499740 |
| accactaatg  | ggactgacag  | gctcgctatg  | ctgaatagta  | tccgtgtgcg  | tggtaccaca  | 3499800 |
| tccattatgg  | gtggcaatga  | cccgttagta  | attattgacg  | gagtgcacatc | tgacatcgct  | 3499860 |
| acgctatcta  | ccatataatcc | cgcagacatc  | gagagtttca  | ctattttgaa  | gaatgctacc  | 3499920 |
| gaaacggcaa  | tgtacgggtc  | ccgtgggtgct | tcaggtgtaa  | ttgagattaa  | gaccaagaaa  | 3499980 |
| ggaacggggc  | gaggtttcga  | aatatcatat  | gatggcaact  | acggattcga  | gtcaatgtat  | 3500040 |
| aaacatctgc  | aaatgctcaa  | cggcccggag  | tatatagcta  | cagcagaggc  | acttggatta  | 3500100 |
| gattacaata  | atggtgggcta | caacaccaat  | tttcacgatg  | taattactcg  | tacgggcttg  | 3500160 |
| atacatcagc  | atcacttggc  | ttttagcggg  | ggttcggaaa  | actcaaacta  | tcgagcatcg  | 3500220 |
| ttcggtttta  | tggatcataa  | tacaattgtc  | aaagttaacg  | attaccgaaa  | tttagtggtta | 3500280 |
| aaacttgatg  | ctacacaaaa  | ggctttcgat  | ggtcgcttag  | ttggcgattt  | tggtgtatat  | 3500340 |
| ggctactcgt  | caaagataca  | cgacattttc  | gatacacgaa  | tgctgtttta  | ctcggcagct  | 3500400 |
| gcacagaatc  | ctacatatcc  | agcaggaact  | gatgttaatg  | gcaactgggt  | gaagaactcg  | 3500460 |
| gctgcatcac  | acatcaacca  | ccccggagca  | ctcctctatg  | agaaaaatga  | ctccgaagaa  | 3500520 |
| cggaaatttca | atacacattt  | ggggctgaaa  | tttaatatcc  | ttgacaattt  | gatattgtcg  | 3500580 |
| gctttcggct  | cttattcata  | ttcatctacg  | ggaaatgctc  | aattttgtcc  | tacatgggtg  | 3500640 |
| tgggcgcaag  | gcaatgttta  | tcgtggagag  | ttcaaggggtg | aagactactt  | tacaaatgtg  | 3500700 |
| tccctctcat  | ataacaatgc  | ttggggagac  | tcacaccttg  | atgctgttgt  | tggcgcgaaa  | 3500760 |
| tatcttaaac  | aggttaaggac | tggtttatgg  | gtgcaggcaa  | aaggaataac  | aacaaatgat  | 3500820 |
| ttttcctata  | ataacatcgg  | agcaacatca  | tcgcgtcctt  | tcggtgggtac | gagcagtagc  | 3500880 |
| tatgaagacc  | cgtcacttgc  | ttcaataatg  | ggtagtgtca  | catatagtta  | caaggataga  | 3500940 |
| tattctattg  | cggcagcact  | ccgtggagat  | ggctcttcaa  | tggttaagcga | taacaatact  | 3501000 |
| ttcggattct  | tcccacagct  | atcactgggt  | tggtatgtaa  | aaaaagaagg  | cttcctctct  | 3501060 |
| gatactgact  | ttataacaat  | attgaaacta  | agaaccggat  | atggctcggtc | aggaaatctt  | 3501120 |
| ggaggtataa  | catcctatac  | aacacttaat  | accgtaaagg  | agaatgggtat | cgtatccatc  | 3501180 |
| aacggtgcac  | ctaccgtaac  | aatgggaagt  | atacgcaaca  | cgaatccgga  | ccttaagtgg  | 3501240 |
| gagactcgtt  | caacatttta  | tatcggtttt  | gacttaggta  | tatgggataa  | tcggttgatg  | 3501300 |
| cttacctcgg  | aattatatta  | ctcaaagaca  | acggatatgc  | tctatgagta  | tgatgttccc  | 3501360 |
| gttccgacct  | ttgcgttcga  | taaactgatg  | gcaaatatcg  | gctcgatgtc  | taaccagggt  | 3501420 |
| gtcgaactag  | gaatctcggg  | agttcccatt  | caacgaaagg  | atatggagat  | gaatatcaac  | 3501480 |
| ttcaatatgt  | cctaccagaa  | gaataagtta  | ctttcgctta  | gtggagagta  | taatgggtatg | 3501540 |
| catatgacag  | cttcagatat  | tactccgatt  | ggctcgcttt  | atggtgcagg  | tcagaacggg  | 3501600 |
| ggagacaata  | atgtagtata  | tcagattgta  | ggtcagccat  | tgggggtatt  | ctatctacct  | 3501660 |
| cactgcaaaag | ggcttaaaga  | aatgaactt   | ggtggctaca  | gttacgatat  | tgaagatttg  | 3501720 |
| aatgatgatg  | gcgagattga  | ttttagcgat  | ggcggagaca  | ggtatatagc  | aggtcaggca  | 3501780 |
| acccccaagg  | taactatttg  | atcaaacatc  | agtttccggt  | acaagtcctt  | tgatattgcc  | 3501840 |
| atgcagataa  | atgggtgcttt | cggtcataag  | atattcaatg  | gcacgggctt  | ggcttatacc  | 3501900 |
| aatatgtcta  | tattccctga  | ctacaatgta  | ttgaaggggtg | ctcctgaaaa  | aaatattatt  | 3501960 |
| gatcagaatg  | tttcagacta  | ttggttgga   | aaaggtgact  | atgtaaatat  | tgaacatatt  | 3502020 |
| accatagggt  | acaatattcc  | aatgaaatcc  | aaggctgtga  | agtcatttgcg | tctttcggca  | 3502080 |
| ggcattagca  | accttgcaac  | aatcacaggc  | tatagcgggtc | ttactccaat  | gataaacagt  | 3502140 |
| tatgtagtaa  | gcaacacttt  | gggcattgac  | gacaaacgca  | cctatccttt  | atatcggtacc | 3502200 |
| tattcgttag  | gtcttagtat  | tcaattataa  | ccgcttacag  | ttatgaaaag  | atatataaac  | 3502260 |
| atattgatgg  | ttgctttggc  | aacgatgatg  | acctcttgtc  | ttactgaaga  | ccctagagat  | 3502320 |
| caactttatg  | aagaagacat  | ttacaacaat  | gccacaaca   | tatatattaa  | tgcagtggct  | 3502380 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gtgctctaca  | attacattgg  | tggcagtgca  | gacagtgagg  | gtttacaggg  | gacctgtcgt  | 3502440 |
| gggattttatg | actataacac  | acttactaca  | gacgaagcca  | tgataacctat | tcgtggtggc  | 3502500 |
| gactggttacg | atggagggttt | gtgggcgaat  | atgtatcagc  | ataagtggag  | tcctaattgat | 3502560 |
| ttaccactct  | acaataacttg | gaaatatctc  | tacaagggtt  | ttgtgttatc  | gaacaaatct  | 3502620 |
| ctgcatatca  | tcgataagta  | tagccataac  | ctatctgagg  | agcagagagt  | ggcctacgaa  | 3502680 |
| gctgaggtgc  | gagctctgag  | agcacttttc  | tactactaca  | ttatggatat  | gtatggcaga  | 3502740 |
| gtgcccacg   | taacatccta  | tgaacaaccg  | caggatgaag  | ttgtgcagag  | cgagcgtagc  | 3502800 |
| gaggttttcc  | gttttatcgt  | gaatgagttg  | caggaggttg  | ccgagttgtt  | gccaaatgag  | 3502860 |
| cgtagtaata  | agatgggtaa  | ctactatggt  | cgtataacaa  | cacctgtagc  | taatttcctt  | 3502920 |
| ttggctaagt  | tggctcttaa  | tgccgagata  | tattgtgatg  | ataattggac  | tgatggcggt  | 3502980 |
| ccacggaacg  | gtaaagagat  | atttttcacc  | gtcgaatggt  | agaaactcaa  | cgcttggcag  | 3503040 |
| acctgtatca  | aatattgcaa  | taaacttgcc  | gaggtaggtt  | atcggttgga  | agacgattat  | 3503100 |
| agctataatt  | tctctgtgca  | taacgagaac  | tccaacgaaa  | acataattcac | cattccgttg  | 3503160 |
| gataagaacc  | tctatgctgc  | gcagttcttg  | tatctcttcc  | gatcacgaca  | ctacaaccat  | 3503220 |
| ggcggtgcgt  | tgggtggctc  | atcggaat    | ggtaccagtg  | ccaatatctc  | aacagtctta  | 3503280 |
| gccaacggat  | acggcacaga  | tgatgtagat  | gctcgctttg  | aaaagaactt  | ctatgccggc  | 3503340 |
| atcgtagagg  | ttgatggaaa  | gcctgtaatg  | atggacaatg  | gacagcagtt  | ggagtatttc  | 3503400 |
| ccattggagc  | taaagttgaa  | tcttacggga  | agctcctatg  | tcaagacagc  | tggtgctcgt  | 3503460 |
| atggcaaaat  | atgaggttga  | taggacctca  | cattccgacg  | gtagacaacc  | ggataacgac  | 3503520 |
| atcggtctat  | tccgctatgc  | cgatgctctc  | ctgatgaagt  | ccgaggcaaa  | ggtacgtaat  | 3503580 |
| ggtgaggatg  | gctcgttgga  | gttgaacgaa  | gtccgaggtc  | gtgttggtat  | gccatatcga  | 3503640 |
| gaagctacgc  | ttgagaacat  | attgaaagag  | cgtttggttg  | agttagtatg  | ggaaggctgg  | 3503700 |
| cgacgacaag  | atatggtgcg  | ttttggagtt  | tatcacaaat  | catacgatca  | gcgagtccaa  | 3503760 |
| ctggctgatg  | agaaaaatgg  | gtataaccaca | gtttttccta  | ttccacaaaa  | aagtatagac  | 3503820 |
| ttgaacccaa  | aattgaaaca  | aaatggttga  | tataaataac  | tttagcctat  | gagtattcaa  | 3503880 |
| tttgacattg  | caaaacagat  | tatagctgaa  | acatgcccta  | atcgcaaact  | taagttggag  | 3503940 |
| aatattcgcc  | tttttgacga  | tattattcag  | cctaagaaat  | atcaaaaagg  | tgatataatt  | 3504000 |
| ctaaatgaag  | gtgatatctg  | taattgccta  | ttttatatag  | aaaagggatt  | tattagacag  | 3504060 |
| cactacctaa  | agcatgataa  | ggatgtgata  | gaacatttag  | catgtgaaaa  | agatgttgct  | 3504120 |
| tggtgtattg  | acagctatct  | taaccgagag  | ccaacacatc  | ttatgatgga  | tgctgtagaa  | 3504180 |
| aacagtgttt  | tataggaaat  | tccgcgtgat  | ataatggaag  | aactttctga  | tgctaattgt  | 3504240 |
| gatatagctt  | atctatatcg  | gagttttttt  | gaaaattcct  | taatgttatc  | acaattaaag  | 3504300 |
| gctgacattt  | tacgtttcga  | atcagcaaat  | gacagatagc  | ctagattaca  | gcaacatttt  | 3504360 |
| cctgaaataa  | ctagaagagc  | acctttgaca  | atgattgctt  | catatcttca  | gatgacattg  | 3504420 |
| gaaacattaa  | gcagagtacg  | tgcatcaata  | gctaattgctg | agagcaaata  | aagcaaacta  | 3504480 |
| actattagga  | cttaacttat  | aagtcacttt  | gtgctctttg  | cagtagttca  | ttatctctac  | 3504540 |
| tacttcttct  | cgtgtcatca  | taactttgct  | ttttggacgt  | aaagttaatg  | atggaagttg  | 3504600 |
| gagacaaaaa  | tacgtggttt  | accgaatgct  | tacgtctttt  | tccatacttt  | accatcttat  | 3504660 |
| tttacgttgt  | tttttctttt  | tcttctttct  | caaataatcg  | ttcggataac  | cttctggttg  | 3504720 |
| ttccggttgt  | gggttcggtg  | tgaacagacc  | taaagaaccg  | ctgtataatt  | catagccatg  | 3504780 |
| cggttcctgt  | tgccatgttg  | gttcaactctg | aaccaacacc  | tgtctatggg  | tttccgaatg  | 3504840 |
| tgacggtgtc  | tttaacgcgg  | catctatttt  | ggaatagctg  | aactgcctgt  | caatttttgg  | 3504900 |
| accgctgaag  | gaatagccgt  | tcatgatgaa  | cacgataccc  | tgtacttcat  | ccgaattttc  | 3504960 |
| cttgatattg  | aaccgtacat  | tcaactccctt | ttcgcttaat  | ccggcaatca  | gctccttcca  | 3505020 |
| gtttccggct  | tttctgactt  | ccgttttaag  | cagactgtaa  | agttcatatt  | ttgtcttgct  | 3505080 |
| cggttctctt  | aagcggtcag  | tcttgacatg  | atccttacct  | ttagccatgt  | gcagaccata  | 3505140 |
| tttcaaggct  | agttccttac  | agatgcgtgc  | actccgtaac  | cgctcgtttt  | gtcgggat    | 3505200 |
| ggtcctgccg  | tcattatcta  | tccggttgta  | ggcaatatgt  | atatgaggat  | gctccttgct  | 3505260 |

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|-------------|-------------|-------------|------------|-------------|------------|---------|
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| cgctatttct  | gccataatcc  | ggctggtcag  | cctgctttca | tcctctttgg  | aaaatcccag | 3505380 |
| tgcaatgtgt  | ccgaccggtc  | tggatacttt  | cggattcatt | ccggcttggt  | cttcgaaagc | 3505440 |
| ctttgttatt  | gtgtcaacat  | cctcaatgaa  | caagccggca | tgtgcgataa  | tcctggcatc | 3505500 |
| ctttttactg  | tcaatgatat  | aaccggtaac  | ctcacggaat | ccgcttcctt  | ttacaatctt | 3505560 |
| cgcaatcata  | gcaggatatg  | gttcagcagt  | tcttcgattc | ttgccacctg  | tacacggcat | 3505620 |
| tccagctttg  | ccgtatcgaa  | tcctccggca  | tttgctttat | gagccagctg  | gttcagattg | 3505680 |
| ttcgccatac  | cgcatagctt  | acggatatag  | tcggaatggt | ccactgtaag  | tctttgccgt | 3505740 |
| acatatcctt  | tacggaaaca  | ttccctcagg  | tattcgcttg | ccgatatgcc  | tgcgcttctt | 3505800 |
| gccctgcttt  | tcaacgtgta  | gtaatccggg  | gtcgccaggt | tcacggtaac  | acggtatctt | 3505860 |
| agtttgtcgg  | tcgtactctt  | gggaggacgg  | ccgcccttgt | tgtttctttc  | tgtattcttt | 3505920 |
| ttcttttcca  | tctgttgact  | attgtataaa  | atgaatgtac | tgattagacc  | agcgagatga | 3505980 |
| acctctcact  | gcctcttgta  | gtgggagcaa  | gcggtttcgg | tctgcccga   | acacaaactt | 3506040 |
| gctccactaa  | aaattagagt  | cccgtatctt  | tgagcgtctc | tgaatatgct  | ccctataaat | 3506100 |
| tggggagaaa  | taataccggt  | gtcgggtatca | tcttatggag | gggacagacc  | tgtttttccg | 3506160 |
| tttctgttca  | tcatgtatct  | tctcattttg  | tttattatat | cccgatatat  | ctcggaatga | 3506220 |
| attgtctggc  | aaaaaaagaa  | tataagtttc  | caatagtcaa | acagttgggt  | gggatgtggc | 3506280 |
| aacaatgtac  | cctgttgtag  | tttgcattga  | gggcaatcgg | tgtggaatgc  | ggtatttttc | 3506340 |
| ctgtttgatg  | aaacaatgaa  | ccggggattc  | aaacagttac | tgatctattg  | acttgaatat | 3506400 |
| ttactgactt  | aatgtcgtat  | tgtcgtactg  | tagtaaatat | tcatgtctgt  | gaatcattga | 3506460 |
| aggaacactt  | ctttgcttcc  | ttatctaata  | aatggttttg | aaaaatgatg  | aagtaagggt | 3506520 |
| acatggaaat  | aaaccattcc  | ttatccattg  | ctatggacct | ttattgaatc  | aggttcatag | 3506580 |
| atatttttatt | ctgtaattca  | ttatcggatg  | gagtcacctg | atatagggat  | atttgcaaaa | 3506640 |
| aatgatatga  | atgtggcctc  | ataactagga  | taatcagcgc | cacatgctgc  | cagttaggcg | 3506700 |
| gaaaccattg  | cctttcagaa  | tatatggctt  | ttctttgtcg | caaacaacga  | aaaaagaata | 3506760 |
| aacatcaatc  | aacaaaaaag  | gaaacgatat  | ggaatttgta | ggaatagaaa  | agcaactatt | 3506820 |
| tgaagaattg  | gtgcgtaagt  | ttgaataact  | tgagcatcgg | gtcatggaaa  | tttgcaaccg | 3506880 |
| ggagaacgac  | aggaccctgc  | acaagtggat  | ggataatcag | gacgtgtgcc  | ggtatctgaa | 3506940 |
| catctctccc  | cgcaccttgc  | agacactccg  | tgataacggt | accctgcctt  | tttctcaaat | 3507000 |
| caatcacaa   | atattctata  | agccggaaga  | tgtgcagggg | atcgtcaaga  | aagttgagga | 3507060 |
| cagaagaaaa  | gaggctatct  | acagaggacg  | taacatataa | cagttaaaca  | ataaccacta | 3507120 |
| aatccataat  | aacatgagtg  | aactgagaac  | agacagcaga | gaatgggtac  | accgtatcat | 3507180 |
| gggaagtctt  | gaccgtatgc  | tggtcgggat  | tgagaatctg | gcggtcggaa  | accgtcccgt | 3507240 |
| actgggcggt  | gaacgctatc  | tgaccgacaa  | agaagtgtcg | gcacaattga  | aattgagcag | 3507300 |
| acgcacgctt  | caggattatc  | gtaatgaagg  | gagaatatcc | tattatcagt  | tgggaggtaa | 3507360 |
| aatcctttat  | cgggagagtg  | atattgagaa  | aatgcttcag | gaaaattatc  | gggaagcata | 3507420 |
| tatgagtggg  | aaataaaaaga | aaggaataaa  | ggctgtgtgc | cggctctggat | gaaccgatgt | 3507480 |
| cacacagcct  | ttatgctttt  | atgatgaaca  | attatacatc | ttccggcatg  | gggatgacaa | 3507540 |
| ggatagagtc  | actgcaccgg  | attccgtaga  | atacgtcacg | aaccgcggcc  | tgctgaggta | 3507600 |
| tcagaatacc  | cttttctacc  | agatctttta  | tatcacgtgc | tgctgtatcc  | ggtgatacct | 3507660 |
| ttacacgttt  | tgcccagttc  | ttagccgtca  | gtttgccggg | ataaccgtcc  | aaatataaat | 3507720 |
| tcaagacttc  | acgttgcgtg  | tcggacagga  | ctgtttcggc | atgggtttgc  | cagaatatgg | 3507780 |
| ccttggttaa  | aaccttcgac  | aatgtttcgt  | cggattgtct | gacggaacgg  | atcagacagt | 3507840 |
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| ttgagttttc  | ggcctgtgaa  | agtgccatat  | cagcaatggc | tcgtccgatt  | cgtccgtttc | 3508020 |
| cgctcatcgaa | aggatggatg  | cagacaaacc  | acaaatgggc | tattgccgat  | tttacataac | 3508080 |
| cgttatgtgc  | atctgaattg  | aaccagtcca  | gaaaccgatt | catttcttcg  | tctattcttt | 3508140 |

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|             |            |            |             |            |             |         |
|-------------|------------|------------|-------------|------------|-------------|---------|
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| tatctccact  | gcggtatcgg | gctacatcta | ttttcgttgg  | accgctccat | ccggtaggaa  | 3508260 |
| acaggcagtt  | gtgccagcca | aagagtcttt | catgggtaag  | cggactgttg | aaattgacgg  | 3508320 |
| ttgcgtcaag  | tgccattttc | actactccgt | ctatatatcg  | tgaggattcg | gtcggattcg  | 3508380 |
| gtagttgtac  | tccaagtttg | cgggctacag | atgaacgtac  | ctgttcattg | ttcaattcca  | 3508440 |
| ctccttcaat  | ttctgatgat | gcaatgatgt | catgagagat  | ggattcaact | acggcagaca  | 3508500 |
| tcttgtcgtt  | aaaaccgatt | acactaaggc | gtcccatcag  | ataaccgaca | gctttgttta  | 3508560 |
| ccttgttcag  | cttctcaccg | acaagttcct | tgttccacga  | aaaagaaggc | cattctttat  | 3508620 |
| gttcatgtat  | atacataggc | atcactgttt | tctgcaaata  | tacggttttg | cggataatta  | 3508680 |
| accgcaaatt  | ttgcggctta | ttatccgcat | gaaatagtga  | aatcaatatt | tatcagcatt  | 3508740 |
| ttagatatga  | cttatgatta | ccattcatca | tgcagataat  | cattgacttt | tcagattgaa  | 3508800 |
| acagtctgct  | tattatatac | tcacgtaatt | gttgggccgg  | ataagtatta | atctgaaagg  | 3508860 |
| caagcgcaaa  | tatcattttc | aggttataga | ctatctgata  | cccctctttt | aacggaatac  | 3508920 |
| gttgttctgc  | ggtgaatggt | tgcaatatcc | caagtttata  | tattcttttt | ttcgcagccc  | 3508980 |
| ttaaagtcgg  | tgcaactaca | ttgaacaagc | cgacaagttc  | ggcttcgtcc | atacgaatct  | 3509040 |
| tatcaggatg  | gacagcagga | ataacaatcc | tgccgtcctc  | cattatatgg | ataatgtctc  | 3509100 |
| ttttcatagg  | ctataggcaa | tttgaaagta | tatcccttac  | attattcata | tctttcagaa  | 3509160 |
| tggaactgtc  | gagtaccctt | gcatagtgtt | gcgtcatctt  | gatattggag | tgaccaagca  | 3509220 |
| ttttggctac  | attctcaatg | cttaccctat | tggccaaaca  | gacagatgtg | gcgtacgagt  | 3509280 |
| ggcggggcgt  | gtgtgtagtc | aggttcttct | ttatcagaca  | caggtcggca | atctctttca  | 3509340 |
| ggtaactgtt  | catcttctga | ttgcaggga  | caggcagtaa  | tactcctttc | tttttgcagg  | 3509400 |
| caggataatc  | tgcatatttt | ctcaggattt | caaaggaat   | atccagtagc | ggaatgttac  | 3509460 |
| acatgttctt  | tgttttctga | cgtggcttcc | tgatccacag  | gtttccgtta | ttgtctttta  | 3509520 |
| cgatatgctc  | aggggaaagc | tgttgtacgt | caatgaaagc  | cagaccggta | aaggcagcga  | 3509580 |
| aaataaaaaac | atcacgaact | acggtgattc | gctccagaga  | aaattccttg | tgatagatag  | 3509640 |
| tcagtagctc  | atccatagta | agaaactcac | ggattacttc  | tttttcgtgg | aacttgatac  | 3509700 |
| cgataaacgg  | gtctttggct | atccattcat | tggccagtgc  | cagattagta | atcttcttca  | 3509760 |
| aacattttcat | ataacggatg | acggtatttt | gctgacattc  | cttttcagtc | ttcaaataaa  | 3509820 |
| attcaaaaagc | acgtaccagt | tcaccgttga | cttccgccag  | cggcagatca | tcctttccgt  | 3509880 |
| atttctgcct  | gataagttcg | gcaagatagc | gtttgcagct  | ttcgtaacgg | cgaacggtaa  | 3509940 |
| tcagggcgta  | gtctttaccg | accagggcac | ggcattgggtc | atttgtgttc | tgcatgggtgc | 3510000 |
| cgatgagggg  | gcggaccact | tccggttctt | tgtcctgccc  | gaaaaatatt | tcctgtaaca  | 3510060 |
| gacgtgccgt  | tataggctgg | ttctgttctt | ccagttcaca  | aaaaatctga | tgtaatttga  | 3510120 |
| ttctcgcatt  | ttcgatatag | gcattcagat | cgcatgattt  | gcggcttttg | cctcgggcgg  | 3510180 |
| attcctttgc  | ctgactccag | agagacgggt | caatgctttt  | gcggatgttg | ttttcaactc  | 3510240 |
| gcgtaccatc  | tacagtgata | cgcatacaaa | cggatgcttc  | tccgtttttc | agcagcttgg  | 3510300 |
| tcttcttcaa  | gaagaaaagc | acattgaatg | aacttctttt  | cattttccta | cagtttttag  | 3510360 |
| tttggaacaaa | agtaggaaac | cgaccacggt | ttcttgatac  | gcaaaacatt | gcaaatcagt  | 3510420 |
| gagaaagact  | ctaattcggg | ggagattttt | gctccacctt  | ttatctccac | cttttgctcc  | 3510480 |
| acctcaaacg  | gtcatatttt | gccgtttttt | gcgtgtcggg  | agaaaacaaa | aaatcccgat  | 3510540 |
| ttcgtttgga  | aatcaggatt | ttactgtctt | ttgcttttct  | tcaaagtggg | gccaccagga  | 3510600 |
| atcgaaccgg  | ggacacaagg | attttcagtc | ctttgtctta  | ccatctgagc | tatggcacca  | 3510660 |
| acatgtcttt  | gcaaggagtt | tttctcgttt | gcggttgcaa  | aggtaggcaa | agtttttgaa  | 3510720 |
| actacaaaatt | atttcttcga | aaaatgtcaa | agaaatgcta  | ctttgattga | atcttttatg  | 3510780 |
| aaaaatgaag  | ggatataagg | ctaagataga | ttactataga  | agcagataca | aggagaaggg  | 3510840 |
| gatgagaaaa  | atacgagggt | tcagaccaag | atgaggcatt  | atagaaagtc | gcagattata  | 3510900 |
| ataatctgat  | aaaaaaggag | ggtgagtaat | gtcctattat  | agagtaagga | ttcggggacg  | 3510960 |
| aagctccttc  | gaataaacgc | ttgagcttgt | gagtaatctc  | ctattatagt | aaggatggac  | 3511020 |

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|             |            |             |            |             |            |         |
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| attctctcgg  | tagatgaggt | cgattttgta  | tacggcggac | aatctccaat  | tttagtaagg | 3511080 |
| atgaacactt  | catttggaat | ttaaaccatgc | ttaaattcca | aagaaaaagt  | cgcatacat  | 3511140 |
| tccaattaaa  | gtgatcccca | aaagttagac  | agaaaacttt | tggggtgcac  | ttcaagtttg | 3511200 |
| atacgacttt  | tctggtttta | ttattctaata | ccgttacttt | ttgttgtaat  | catttagagc | 3511260 |
| gatgatgtaa  | ctcttttggt | ggattattct  | gctttcagcg | ggttccatcc  | ttgagctttc | 3511320 |
| agctccagtt  | cgttgccgtc | gcgagtaacc  | aacgcacagc | ccagttcggg  | ttttgtgata | 3511380 |
| tggccgatga  | acttcacccc | tggtatttgt  | gaaactcttt | cgtgatcggg  | cagggggacg | 3511440 |
| gtaaacagaa  | gttcgtagtc | ttcaccacca  | ttcagcgcgc | aagttgtcag  | attcatgttg | 3511500 |
| aactcttctg  | ccatgaccgc | tgtctggtag  | tcgataggaa | tacggctctt  | gtatacccg  | 3511560 |
| caaccggtct  | tgctctgcga | acagatatgc  | atcagttccg | aagaaaggcc  | gtcggaaata | 3511620 |
| tccatcatgg  | ccgtaggacg | gatgccagct  | tttgccaggt | cttcgatgat  | gtcgcggcga | 3511680 |
| gcttccggtt  | ttaagaagcg | ctccagcaga  | tattctttgc | cagcaaaatc  | gggttgacac | 3511740 |
| tctttttcac  | cctgaaagac | tgctttctca  | cgttccatca | gctgaagtcc  | catataagca | 3511800 |
| gcccccaagt  | caccacttac | acaaatcagg  | tcggtatctt | tggctccgtt  | acggtagacc | 3511860 |
| accttatcct  | tgctcggttc | accgatacaa  | gtgatagaaa | tagccagacc  | cgttaccgaa | 3511920 |
| gaggttgat   | cgccacccac | gatatctaca  | tgatgcagct | ggcaagccag  | tttcaccccg | 3511980 |
| tcgtaaaaaat | cttcagatc  | ttcgatacag  | aaacgtttgg | ataccgccag  | cgatacggta | 3512040 |
| atttgtttag  | gagtagcgtt | catggcatag  | atatccgaga | aattcaccat  | ggccgattta | 3512100 |
| tatcccaaat  | gcttcagggg | agtataaacc  | agatcgaagt | gtacaccttc  | catcagcagg | 3512160 |
| tcggttgatga | ccagcacctg | ctttccggca  | aagtcgagca | cggcagcatc  | gtcgcctacg | 3512220 |
| ccgtacttgc  | tttcctcatt | ctgtaattta  | atatacctcg | tgagatgctt  | gatcagtcgg | 3512280 |
| aactcaccga  | gagttgatat | ttcagttcta  | tttccttcgt | gcataatttt  | ttacgctctg | 3512340 |
| ttaataagtt  | ctctcatgat | ggtcgtcatg  | cgtggctgtg | cctcgtcggc  | agccttctgt | 3512400 |
| acctcttcgt  | gtgaaacctc | gacaatcttg  | ccttcacgc  | ccaggtcggg  | aatgactgat | 3512460 |
| acaccgaata  | ccttgatgcc | gcaatgattg  | gctacgatca | cttcgggcac  | ggtggacata | 3512520 |
| cctactgcgt  | cggctcctaa | aatacggaac  | atcttatatt | ccgacggagt  | ttcgaaagtc | 3512580 |
| ggtccctgtg  | tgccgatgta | tacaccctgc  | tgtaccttaa | tgcccttttc  | tttcgcaatt | 3512640 |
| tcgagtgtct  | ttgcaatcag | ctctttcgag  | taagcttcac | tcatatccgg  | gaagcgagg  | 3512700 |
| ccgtattcaa  | tgttcttttc | acgcagcggg  | tgttcgggga | agaagttgat  | atgatcggta | 3512760 |
| ataatcatca  | agtcgccgat | ttcgaaatta  | gggttcgtac | ctccgcagc   | attcgatacg | 3512820 |
| aacaaagtct  | tgatacccg  | ttcacgcatg  | acacgtacag | ggaaagttac  | ttccttcata | 3512880 |
| gaatagcctt  | cgtaaaagt  | gaaacgtccc  | tgcatggcca | taatatacct  | gttgcccagc | 3512940 |
| ttgccgaaaa  | tcagcttgcc | gctgtgacct  | tctactgtag | atactgggaa  | gttaggaatt | 3513000 |
| tcggaatagt  | ttatttcata | tttatcggtg  | atttcgtgta | ccaaactgcc  | cagacctgtg | 3513060 |
| cctaaaaatga | tggctgtttc | gggatgagtg  | tgcattttag | cttttagaaa  | agctgctgtt | 3513120 |
| tcttgaattt  | tttctaacat | actcgataat  | attttggtta | aataaatgtt  | cctcttcgtt | 3513180 |
| caaaaaggct  | acctctaccg | gcagcacata  | gatggaaggc | ttcagcggtt  | cgtccagtag | 3513240 |
| cggatgagtg  | ataagccttg | ccgcatcctt  | ttcggtagtg | acgataaagc  | gtctgcctgc | 3513300 |
| gggcagtttc  | ttgaaagcct | ccgttattcg  | tttcatatcc | gtcgcataca  | agtcgtgatg | 3513360 |
| gtcggggaaa  | gtcaaaggcg | taatgaactg  | cgtgtaagcc | gacagcttgt  | cgatgatggc | 3513420 |
| tgccggcgag  | gcgatgcctg | tgaccagcag  | gatatgttca | ttcttcggga  | tttcctctaa | 3513480 |
| ccttttttcc  | ggttctgccg | ttaaagagagg | ttgcagttta | ccatacgcca  | gcgtagtaaa | 3513540 |
| ataaagctgc  | tgggagggca | ggggagcaat  | ctcacttcgt | aaagcctgct  | gttccgcttc | 3513600 |
| actcagttgt  | gccggacact | tgctcacgat  | gatgatgtcg | gcacgcttct  | tgccactttc | 3513660 |
| cggttcccga  | agtcgtcctg | ccggcaacat  | ccggctcagg | tgaatcgggc  | ggttgtagtc | 3513720 |
| tatcagcagg  | attgtcagtc | ccggcttcac  | gtagcgatgt | tggaaagcat  | cgtccagcac | 3513780 |
| gatgaccgtg  | actccgggag | ccgtatgacc  | gtccgtcagc | tggatgaatgc | cgtgacagcg | 3513840 |
| gtcgcggtct  | acagccacgt | aaatatccgg  | aaatttatgt | gccatctggg  | aaggctcatc | 3513900 |



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|-------------|------------|------------|-------------|-------------|-------------|---------|
| gcctatctgt  | tcggcagtcg | tttcgggagt | cgccagcaca  | aagccttctg  | atttccgttt  | 3513960 |
| gtatccacgg  | cttaaaaccg | ccacttgata | gtctttccgc  | aacagccgga  | taaggatttc  | 3514020 |
| cgtatgagga  | gtctttccgg | ttccacccac | actgatattg  | cctacacaga  | tgacaggtag  | 3514080 |
| cggaaaagac  | tgtgaacgaa | gaatacctct | atcgaacatc  | cagttgcgta  | cgcttactcc  | 3514140 |
| cagacggtaa  | agatacgcaa | gtggcagcag | tccgtagtaa  | atctttatct  | tccttttggg  | 3514200 |
| tttcatcggg  | caaccgggtc | tttatttgat | aaccacctca  | aacggcatac  | gagcctgcaa  | 3514260 |
| gcggctcgga  | tccttgaggt | tcttcaagaa | gcgcagcccg  | ttgtagtatt  | cgccaaagct  | 3514320 |
| gctctgcatg  | cgactgttga | tgtaacggct | tggacgagtg  | ttcagcagag  | aagtcaggaa  | 3514380 |
| gtcttctttt  | cccggatagc | ttaccacggg | atagcgggtc  | atcttcgcgc  | gtgaaaccgc  | 3514440 |
| tgcttctaca  | gcctgatcca | gtccgcccag | ttcgtcgact  | agcttcaagt  | ctttagccat  | 3514500 |
| ttctccgggtc | catacacgtc | cttcggctat | tttctttata  | tcctcaatat  | ccatttttacg | 3514560 |
| tccgtcggca  | caacgtttcg | taaagagttc | atatcctttg  | ttgacctgt   | tctgcatcaa  | 3514620 |
| cgtcctttcc  | tcctcgttga | acggacgggt | taaattacc   | aagtctgcca  | attcgttggt  | 3514680 |
| tttaacaaca  | tcaaaattca | gtcctaactt | gtctttcagt  | aatccttcgg  | cattgggcac  | 3514740 |
| caaaccgaag  | attccgatag | aacctgtcag | cgttgctggc  | tcggccacaa  | tccagtcggc  | 3514800 |
| ggcgcaggag  | atatagtaac | cacccgaagc | tgcatagtcg  | cccatggaga  | ctacaaccgg  | 3514860 |
| tttttctct   | ttcagcaggg | aaacttcacg | ccagatctgt  | tcggaaccgt  | aagcacttcc  | 3514920 |
| accgggtgag  | ttcacgcgca | ggacaacagc | cttcacgctt  | tcgtcctcac  | gcagcttgcg  | 3514980 |
| caaactcttt  | atcacctttt | cgaattgat  | cccttctccg  | tccttcgatt  | cacctccgtc  | 3515040 |
| tatttcacca  | taagcatagt | acacggcaac | tacgttaccg  | cttttatctt  | ttggtacatt  | 3515100 |
| tcgttttaca  | tttatcatgt | cttcacgcga | aagcgtattc  | agcttgatc   | cttccttgca  | 3515160 |
| atcagtcagt  | tgtttcagat | aggccagtac | ctcgtcttta  | tacatcagtg  | tatctgccag  | 3515220 |
| accggtactg  | atataaagct | ctgcgggctg | gaagtccatg  | ttgcggctgg  | caagagcatt  | 3515280 |
| cagagaatcg  | accgaaatct | ttctggattc | ggaaacatcg  | ttcagaatct  | gttgccagat  | 3515340 |
| agaaccgatg  | aaagcctgtg | tctgttcgcg | gtttgccgga  | ctcatttccg  | tagcaatgta  | 3515400 |
| aggttctaca  | gccgatttgt | atgtgcctac | acggaaaacc  | tgcatttcca  | cgcccacctt  | 3515460 |
| gtcgcagcaga | cctttcagga | acatggtctg | tgcagccaga  | ccatgccagc  | cgatgcttcc  | 3515520 |
| cgaaggattg  | gctataacct | tgtcggcaac | actggcaatg  | tagtaagtac  | cttgtgaata  | 3515580 |
| gcttccggca  | taagccacga | taaacttgcc | gctttcctta  | aaatccacca  | gtgcgtttct  | 3515640 |
| tatcgctgc   | atagaggctg | tctggcagtc | aaaagcacc   | gcatcaatgt  | agattccctt  | 3515700 |
| tatcttgctg  | tttccctttg | ctttacggat | ggaagccagg  | atgtcgtcca  | gtccatagct  | 3515760 |
| tgtataatct  | tctcccaaga | actgcataag | cggattatcc  | tgataacggt  | ctacgacact  | 3515820 |
| gcctttcagt  | tcgagaacaa | ataccgaacg | gtcttttact  | acggtttccg  | ttccggaaga  | 3515880 |
| agaagcaact  | attccggcaa | gactgatgat | tcccagaatt  | gtaaagacta  | ctcccgtcag  | 3515940 |
| gatcagaccg  | cagacggtag | caaagggtga | tttcagaaat  | tctttcattg  | tgtgatgctt  | 3516000 |
| tttagaaaatt | tatcaaataa | caaagttagt | ctttttcatg  | gaataaccaa  | aagcaaacga  | 3516060 |
| tttttttcct  | gacgctggga | gaaggagttg | aaggatatta  | ggcaggatgt  | gggcatgtgt  | 3516120 |
| gaaataagct  | tcagcatggt | tagagaaaaa | cgtctcgatg  | tttttttatt  | ttttgtacaa  | 3516180 |
| aaacaaaaaa  | agtttgtaca | aaaaatagtg | gagattttac  | ggtcttttct  | ttttatgcca  | 3516240 |
| gcaagtcttt  | taaggaatgt | cggcaattat | gtatattgtt  | gcttttagtct | cttgttatta  | 3516300 |
| aattgcttat  | ttgtgaagaa | aaaataatat | accgcgatga  | cggataagaa  | attagtaacg  | 3516360 |
| aagttagtga  | agaagttgtg | actgatttta | ttattttcaa  | tctgaatcag  | ttcagggcat  | 3516420 |
| ttgccagaaa  | gaaatgccct | gaacagatgg | attgtcattc  | ggttttaaatg | ttgtttaccg  | 3516480 |
| gattctctcg  | cacagctttc | cggctgatca | agaataccga  | accagtgtag  | ataaggggtga | 3516540 |
| tgacggcaaa  | agctgttggc | ggaaccacc  | aagggaagct  | actgtcgtag  | gctacaatct  | 3516600 |
| tgctgatggg  | gtgtatgccg | aatatcataa | gtggtacggc  | tattatcagg  | ctgatgagca  | 3516660 |
| acgatgagaa  | tgagaatttc | atcagttgca | gcatttcgtt  | gcggctgctg  | gagccgaagg  | 3516720 |
| tcttgcaaat  | ggcaatatca | cgcttgcgct | gagcagatgaa | atagatactc  | atggcagtc   | 3516780 |

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|             |            |             |            |            |             |         |
|-------------|------------|-------------|------------|------------|-------------|---------|
| gtcctaacaa  | tgagatgacc | agtgcggcac  | aagtaaaaat | gccaatcagt | ttgttcatgc  | 3516840 |
| tgatgatatac | gctgtactgt | tcgacaat    | ggcttttgta | ccagcttgaa | tcgaacgggtg | 3516900 |
| cacctttgggt | gatggacta  | tataactcgt  | tgatttgctt | gccataggca | gccggatttc  | 3516960 |
| cgtcttgtag  | ttccaccaga | atagtcacg   | gataaatttt | gtcggcgggg | agtatttgca  | 3517020 |
| gccgtaagg   | gtgctgtca  | ctcatgaccg  | aacgtatgtg | aaaatctctg | aacaatccag  | 3517080 |
| caatagagaa  | actacgtccc | cgctcgtcgc  | ttacatagtc | ggttgcacct | ccgaggtctt  | 3517140 |
| tggaggccga  | ttcactgata | aaccagttgt  | tcttgctgaa | tgacattttg | tggtcttcgt  | 3517200 |
| agattttgtat | ccgaaacatg | tcgataaagg  | ctgagtctac | tttaaagtgc | tgaaaactca  | 3517260 |
| tgtctttggg  | agccccctga | accataacca  | ccatcgtatg | attatttcct | ccgtctatcg  | 3517320 |
| gagttccttg  | ggtaaaactt | acccgcttca  | caaaaggtag | tttttgtagt | tcattgaggga | 3517380 |
| aagtgagcag  | agtttcctgt | tctgctgctg  | gagtaaggca | gagaatgttt | ccgtaggtgt  | 3517440 |
| agcctaattgg | ttcgtccagt | atgcggtaaa  | tttgtagact | taagtaaagt | gcacaactca  | 3517500 |
| acatggcgat  | ggtcagtcga | tcttgtagaa  | tggtcagcac | acgcaaata  | acagttttgg  | 3517560 |
| ttttccggcg  | gaagtgtcct | tttacaacgt  | ctagcggatt | gtaattggac | aggatggtag  | 3517620 |
| ccggtacaaa  | gccggagatg | aatgacagca  | cgacgataag | cagcaggtaa | gccagacagg  | 3517680 |
| tcacaaaaga  | caagtcgccc | gtcagggtcga | gttttacgcc | cagcagggtc | atggcaaccg  | 3517740 |
| gttcggcggc  | ttttgccagt | agaaatccca  | gtatgaaggc | gataacggtc | ataatggacg  | 3517800 |
| attcgccctat | catgcgccag | aatatgtcgg  | agcgggaaga | accgagcagt | ttgcgggttg  | 3517860 |
| ccatttcctt  | ggcgcggtag | gtgggttggt  | caatgctcat | gttgacatag | ttgaagatgg  | 3517920 |
| ccatgaacaa  | gatgataata | cctatgacaa  | agaaaagtac | gaccatacgg | aagctgtatt  | 3517980 |
| ggttgacttc  | tgtagaaccg | gaaggagttt  | ctgtatggaa | gtaaaactga | ttgtatggca  | 3518040 |
| cgaattgtac  | ttccttgaat | attcctcggt  | tatagatcca | ccagcaatct | ttcagatagg  | 3518100 |
| agagaatatc  | gtttgccttc | gtattcaggt  | cggctccttt | tgcggtgagg | aagaatacaa  | 3518160 |
| gtgcgctggt  | ggcattgccc | atcataccat  | ctgtcaggct | gattgttgcg | ttcagttcgc  | 3518220 |
| tgatgttttc  | gtaagggata | acagcttctg  | tcgattcttt | gagcaaagag | ttttcgaatg  | 3518280 |
| tttcataat   | accggttaca | gtgaacttct  | ggttgctggt | tcctttcgca | tcgggcatgt  | 3518340 |
| ccaattccag  | tacttttccc | aaggcaggct  | cctttccgaa | cagacgattg | gcgcacgaac  | 3518400 |
| ggctgagaac  | gatgctatgg | tcgtctacca  | gtacttgtag | tggtattcct | tctgccagct  | 3518460 |
| tataactgaa  | gaactgaaaa | aagttcttgc  | ggacagcgag | tgtctgaatc | tggttcgggt  | 3518520 |
| tttcgttgat  | gcgggtctgt | attccgaaat  | ttccgggtga | agcacaccag | tcttctat    | 3518580 |
| cagggtagcg  | gctttgcaat | ttttctccca  | gcagatagtg | accggctgct | gtattttcgc  | 3518640 |
| ttgcaaatac  | acagatacgg | tcggtatctt  | ttaaagtttt | gtctactgat | agttggcggg  | 3518700 |
| ttaccatgtc  | ggctatcagc | agaacaaaca  | tcaatgagat | acttagtcct | gcaacattga  | 3518760 |
| caaccgtaaa  | caatttggtt | cggtgtaaaa  | aagtgaagta | agtttttagt | cctttcatat  | 3518820 |
| aattaatctg  | ttttattatt | cagttttgat  | gctgtttgac | gggttttcgc | aggcattttt  | 3518880 |
| ccagctctgt  | acggtgatgg | tgagcatggt  | aatgagcgta | accagcagga | atgacaatat  | 3518940 |
| gaatatccac  | ggactgacag | gcgtcttttc  | tgcaaatcct | tgagccaggt | gctgcccatt  | 3519000 |
| ccaccatccg  | aacggtgagg | ctacgatgaa  | gcacccggta | agtatgagta | tatatcttcg  | 3519060 |
| gttgaacatg  | tacagaatct | gtgtggtcga  | gcttcccata | atctttctga | ttccgatttc  | 3519120 |
| ctttcttcgg  | tactcgcttt | caaacatggt  | gagtcggaac | actcctgtca | ggctgatggc  | 3519180 |
| aatggcaatg  | agtgagaaga | gcagaatctg  | cttggtgaag | cgcagttcgt | tccggtagtt  | 3519240 |
| ggcatcgagc  | acttcatcca | tgaaccggaa  | attgaagtcg | tgtccggggg | taaaactttt  | 3519300 |
| cattgttttc  | tggagtgtat | ggataacctc  | aattttatct | actcctgccg | atacacggac  | 3519360 |
| attaacgaaa  | tttcgccact | cccatcccca  | ttgggcaaac | ttcttgccgg | ggataagaaa  | 3519420 |
| agccattggt  | tgattggcgt | cgtcattgag  | gaagctactg | tatttgatgt | tttcacaaaa  | 3519480 |
| accgatgact  | aaattatcgt | ccggagcggg  | ctggctgact | tttagccacg | gatatttctt  | 3519540 |
| gcgtgtaaat  | tcgttgaaga | tataaacgtc  | ctcatctcct | ggcttggggc | ttctcccttc  | 3519600 |
| gacggtacga  | attcccataa | catccagata  | gcgacagtct | accggaaaag | catcaaactg  | 3519660 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| aatatatattg | tcgccttttg  | agcgtcccca  | gtgcatgtaa  | ttatcggcgg  | aactcaagac  | 3519720 |
| aaattccgaa  | aaggccacac  | ctttgacgcc  | tggaatctga  | gaaagttctc  | ccactacggc  | 3519780 |
| gtctgtttgc  | gattgggtct  | ctttgggtcat | gtttcctaca  | ataattgcat  | ctttgtcgta  | 3519840 |
| gccgtaatcc  | gaagtacgga  | tatatctgct  | ttgcaggtac  | atgattccta  | ctccgataat  | 3519900 |
| cagcatgtag  | gcaacgaaga  | actggatgca  | taccagtgcg  | gtacgcagga  | tccgtccttg  | 3519960 |
| gggagaaaag  | ccgaaagagc  | ctttcaatac  | cagtgccggg  | ggaaaagaag  | taacgtaata  | 3520020 |
| cgacggataa  | agtcctgcca  | tcagtcccat  | aagcaggctt  | aagccaaaag  | ttgcaagcag  | 3520080 |
| cagcatcgga  | tgctctgtta  | ttgtcagccg  | ggcattttacc | agctcctgta  | agccaaaatc  | 3520140 |
| tttcagtatc  | gcaatccata  | taagtgcgaag | gataaaagct  | gtaaaagctga | tcaacatcgc  | 3520200 |
| ctctgttatc  | aggggtgaggc | ggagagaacg  | cgtgggttgct | cccagttactt | tctgcgtggt  | 3520260 |
| gatactcttg  | atacgcatcg  | gggtttcggc  | caacgagaaa  | ttcatgaaat  | tgatggtggc  | 3520320 |
| tataattacg  | atcaggaaag  | aaacgcatat  | cagcagataa  | attgtttgtgc | ggctgcttgc  | 3520380 |
| gcttttatatt | cctaccgtag  | aaaaatgtgc  | gtcggtaagt  | ggcgtgaggc  | ggatgaactg  | 3520440 |
| cgatatatta  | ctgtcctggt  | tcagagtcgg  | aaagttcttc  | acaaaaatct  | gccagataag  | 3520500 |
| tttttctatt  | tccggagccg  | cagatggact  | ttcagatcgc  | atatagcaga  | tatagttcca  | 3520560 |
| gtttctccag  | tcatttttat  | cggatcggc   | ttctttgggg  | accataacc   | agtttttaaat | 3520620 |
| ttgtgagttt  | tccggaaaat  | ctttgtaaac  | acctcctatg  | gtccatgcgt  | tattgtctgc  | 3520680 |
| ttgtgtccct  | ctgaatattg  | ttttgcctat  | tacgtcgggt  | gtaccaaaga  | atttctttgc  | 3520740 |
| cgtcgattcg  | gagaggagga  | ccgttttagg  | ttggttcagc  | gcatcggcgg  | tgccgtttat  | 3520800 |
| catttctggc  | tggaatgttt  | ccaagaagtt  | gccgaaaccg  | gtacaggtcg  | ttgcttcaaa  | 3520860 |
| tgactttccg  | tttacttcat  | attcatcttc  | agactgatat  | gattcaactt  | gtgaaatgct  | 3520920 |
| ctttatatag  | ggtgaagcag  | attgtaattg  | ctcacataac  | ggacgagggg  | tccacagttg  | 3520980 |
| ccagcctgaa  | tctggattag  | gattaatttc  | aatacggaa   | atTTTTTcgt  | agtctttata  | 3521040 |
| tcctttgttg  | aaattatagt  | catagtccac  | ctgtgtcatg  | atgacaaaga  | aggatgcaaa  | 3521100 |
| agcgatgctt  | agccctaaga  | tgttcagtat  | gcttgcggtg  | aagaagcgcc  | tgaatgtatg  | 3521160 |
| cgaaaagtta  | cggacaagtg  | ttttcatggg  | aaataatatt  | attcagtttt  | gatactttgt  | 3521220 |
| accggattct  | cgttggcatt  | cttcagcac   | tcgaaggcca  | ctgtcagtat  | cgtaatgagg  | 3521280 |
| ctgaccagca  | ggaaggaaat  | gacgaatatc  | caagcacgga  | ttgggggtctt | gtcagaaaaa  | 3521340 |
| ctttccagcc  | agtcgtgtcc  | aatccaccag  | ccgaaaggag  | ctgccagcag  | gaagcagatc  | 3521400 |
| accagcatga  | cgagataacg  | cttggttaaac | atataaagaa  | ttttaccggg  | agagcttccc  | 3521460 |
| aagatttttc  | ggatgccgat  | ttccttgccg  | cggatttcac  | tttcgaacag  | cgtaagaccg  | 3521520 |
| aatacaccaa  | ttatgctgag  | cacgatggcg  | attaaggaga  | acaacagaat  | ttgatgagtg  | 3521580 |
| aaacgcagct  | cccgatggta  | gttctgggtc  | atcacttgat  | ccatgaaccg  | gaaattgaag  | 3521640 |
| tcacgccccg  | gtgccatctt  | ttctgcccgc  | tctgtcaagc  | ggtgaagcat  | gtctaccttg  | 3521700 |
| tctactcccc  | gagctaccgg  | gatgttcaag  | acgctgtttg  | catcccagtc  | tgcatgatct  | 3521760 |
| tttccgtaaa  | taaagaaggt  | catcggctct  | acggcatcgt  | tgttacggaa  | actgctgaaa  | 3521820 |
| cgaatgttct  | cacagaatcc  | cacgatcgga  | taatcttcgg  | ggacagctgg  | ttcatcaact  | 3521880 |
| ctcatccaag  | gatattttctt | tcgggcccgt  | tcgttgaaaa  | tatacacatc  | tccgtcgccc  | 3521940 |
| ggcttgaaag  | cacgaccttc  | ggtaatcttg  | atacccatca  | ccgacaagta  | gcggtaatct  | 3522000 |
| accggaaaac  | agaccatatt  | gatagaacgg  | tctccacttc  | ctcttcccc   | cgacatgtag  | 3522060 |
| ttatcggacg  | agttcaatac  | gaactgggaa  | atggaaatac  | cttctatgcc  | cgaaattcca  | 3522120 |
| gacaattcac  | tgacaatcgc  | ttctctgcga  | tcgaggagtt  | cgtcagggat  | ttcacctacc  | 3522180 |
| agaaccacac  | tcttatcgta  | accataatca  | ctgttctgta  | tgtaatgact  | ttgcaggtac  | 3522240 |
| atgatgccta  | cagaaataat  | tagcatgaaa  | gagacgaaaa  | actggaaaca  | aacaaaaaac  | 3522300 |
| gtacgcagca  | ttttgccttt  | cggggaaaga  | ccgaacgagc  | ctttcaatgc  | cagtgccggc  | 3522360 |
| tggaagagg   | tgacgtaata  | agagggataa  | gctccggcca  | gcaaaccat   | gcagactgcg  | 3522420 |
| atccctccta  | aagcagctag  | taagatcgga  | tgagccgtca  | acgaaagatc  | ggatgccact  | 3522480 |
| aaggtactta  | gaggggtgcc  | tttcagcagg  | tagagccaga  | gcaaggacaa  | caggaagccg  | 3522540 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
| catacacaaa  | ccaataaccga | ttctaataagc | agatacactc | gcaaagagac  | agtggaagca  | 3522600 |
| cccagcacct  | tctgggtatt  | gatggagcgc  | aacctcatgg | gagtttctgc  | cagtgagaag  | 3522660 |
| ttcatgtagt  | tgactgctgc  | cgtcagcaga  | atcagtaccg | atacacacag  | cagcaggtac  | 3522720 |
| aaagctgctt  | tgctggtagc  | cgccttggtg  | cctatcgtag | aatagtgtac  | ttcgtccagc  | 3522780 |
| ggcgtaaaat  | ggatgaaatt  | tttccagtct  | tcagttccgc | tgatccggtc  | tcttggaatc  | 3522840 |
| ttctgtttgc  | agctttcgat  | gaccgactgc  | tgtacatcgg | ccaatgaagc  | cggattgtcg  | 3522900 |
| agccggatat  | acatagtata  | attccagttt  | gtccaggaat | ctttgttcaa  | atccgaacga  | 3522960 |
| aaagaagaga  | acacacagtt  | acccaactga  | gagttctccg | gcataatcctg | atagacacct  | 3523020 |
| ccaattaccg  | atggataatt  | atgagattta  | tggcctgtgt | aaagggctct  | gccaatggca  | 3523080 |
| tccgtggtac  | cgaaaaaacg  | acgagccatg  | gatgcggaaa | tcagaacctg  | accgggttca  | 3523140 |
| ttgaggggaag | cagtcgtgcc  | gcataccata  | gtaggctgaa | atacctccag  | gtaatcccca  | 3523200 |
| aatccggtaa  | actcaagttc  | tgaataaatg  | tgttcgtcta | cttcaaaatc  | actgggatag  | 3523260 |
| tttgacaatg  | aagttatcga  | aaaggcttgt  | atatgagggg | atgcagttcc  | tattagtcca  | 3523320 |
| cagaatggac  | gagccagcca  | gatttgccaa  | ccgtattctc | cacctggatt  | tacttctacc  | 3523380 |
| cggtagatgc  | gatcgtgtgc  | cggataggct  | ttgttgtagt | tatagtcgta  | gtctacctgt  | 3523440 |
| gtcaggatga  | caaagcaggc  | tgcaaaggcg  | atgcttaacc | ccagcagggt  | tagtatgctg  | 3523500 |
| gccgtaaaga  | aacgccggaa  | agtatgtgag  | aaatttctga | aaagtgtatt  | cataattcgt  | 3523560 |
| tttgtgctta  | actttagact  | gtaaattctt  | agtcaccgac | tttcaatcgt  | cgggtagaaa  | 3523620 |
| cactgccgag  | gccatctttt  | gaaatatgag  | ccgattgggc | tttcccgtc   | agggtaagac  | 3523680 |
| taccacacacc | gtccacattg  | gcatccagtt  | ggtcacaatc | tactgtcagt  | tcaccactgc  | 3523740 |
| caactccttc  | cagagagact  | tttacgttgc  | gggcatgcaa | atcggctata  | ttcaggctgc  | 3523800 |
| ctaccctgc   | tatctcaaat  | ttgatgtctt  | tcaggttcag | acgggattta  | cactcaaagg  | 3523860 |
| aaccgactcc  | gtctaaaaca  | acttcctgta  | aatcgggtgc | actgaggtaa  | atgaaaagtc  | 3523920 |
| catttacctg  | cttgctcggt  | ttctttcttt  | ctttggccca | tgtaatcagt  | aattttccat  | 3523980 |
| tcttaacggt  | gcatctggtc  | aggtccaccc  | attctttttc | accttctaca  | cgaagcgaat  | 3524040 |
| aagtgtcggga | ttgctgtaaa  | tatactcctg  | ctatactttc | catttcgatg  | gaatgaaaag  | 3524100 |
| cactcacact  | acgggtttca  | cttacttggt  | ctttgtttcc | tccttttgca  | ctggcacagt  | 3524160 |
| ttacacataa  | acaggccatt  | accaaactcg  | ttaatatagt | tgctatcttt  | ttcatcatta  | 3524220 |
| tcttagcttt  | ttagtttaat  | accagtactt  | cgttgctctt | gtaactttca  | tatccggaaa  | 3524280 |
| tgataacccg  | ttcgcttttt  | tccagtcctt  | ccagtacttc | gtaatactgt  | gggttctgtc  | 3524340 |
| gtccgatacg  | gattttacga  | cgataggctt  | tcttcccttc | tttgctgact  | acgaaaatcc  | 3524400 |
| agttgcctcc  | ggttacctgg  | aagaaagtac  | ctttaggtat | caggacactt  | tcagtagggt  | 3524460 |
| ctcctaattg  | cagatcgatg  | tagtaggtct  | gtccgctacg | gatattctcc  | ggacgcttac  | 3524520 |
| cttggaatac  | gaaatcggtg  | cggaatcgtc  | cttcacgaac | ttcgggatat  | accttgcgga  | 3524580 |
| ctttcagggt  | gaaagtactt  | cctgtgcgtt  | caaaggtagc | cggaaagtccg | ttggctaccc  | 3524640 |
| gatcgatata  | atgctcgtct  | atcatggctt  | ctattttgaa | gtcggaaagg  | tcgtttatct  | 3524700 |
| gcccgatcat  | ctgtccggga  | gtgatattct  | gacctaattc | cgcattccagg | agcccaagct  | 3524760 |
| caccgtcgat  | agttgcacga  | acttccagct  | tatcctttct | ttcacgaatc  | agtaggacat  | 3524820 |
| tctttcgcac  | gttctgtaaa  | ttgtcttcca  | tctggtccat | ctgtatgttg  | cgatagatag  | 3524880 |
| aatcttgat   | cagtcgctcg  | gtaatcaatc  | cgtgtttttt | ctgtgccact  | tcatagtctt  | 3524940 |
| cctttgcctg  | aagatattcc  | tcccggctga  | tgagtcgttc | tttgataaaa  | cgttcgtatt  | 3525000 |
| gaagaaaagt  | acgttgcttg  | cggcgtgtat  | cgatatcgag | ctgtactttt  | tcggtttcgt  | 3525060 |
| tggttcagctt | atcctgctgc  | atggtaactt  | gtgtattacg | cagcagggttc | tgtttttcgg  | 3525120 |
| ccagttccga  | ttctgcattc  | agaatctgca  | agtctaagtt | tgaattgctg  | aggcgaagaa  | 3525180 |
| taacatctcc  | tttctttaca  | tgtgcgcctt  | cttccaccac | cttttcctgc  | acgataacctc | 3525240 |
| cttcttccgg  | actcagttgt  | accacagaga  | taggctggac | ttgtccggtt  | actcggatgt  | 3525300 |
| aatcattgaa  | cttaccataa  | gtcacgtcgg  | ctatgttgag | cgatgaggct  | tctactctca  | 3525360 |
| gcgtagaagc  | gtggttgccg  | aagataatcc  | agattaacag | aagaagaacg  | acaactcctc  | 3525420 |

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|             |             |             |             |            |            |         |
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| tagtgtgtaa  | tagttttattc | ttttgttctg  | ataatatctt  | gtcctttata | ataatctacc | 3525540 |
| agtctgcatt  | tcatcaggta  | agtaagttta  | ctctgtaata  | gtccagtctg | actttccaac | 3525600 |
| agcgtagctg  | cattgttttg  | tacatcgaga  | gaggtcatca  | gtccttcttc | gtatttgctg | 3525660 |
| cgtgttacgt  | gataggcaag  | tgagtcggat  | gcaaccttct  | tttccatctg | gatgctttct | 3525720 |
| ttcagatagc  | cttcacggtc  | ttgtacggct  | tgctgtacca  | gcttctgaag | ctcttctttt | 3525780 |
| tgagcttcgt  | attgttcggg  | agctatccgg  | taattgtttc  | gtgcctgacg | catgttggca | 3525840 |
| atacccgaca  | aacgattgaa  | gataggaatg  | ctcatactaa  | tgccgaaata | agaaccgaag | 3525900 |
| ttgttttcaa  | actgagtagc  | aaacggcgga  | tatcccggtt  | tatgtaattc | cttatagtaa | 3525960 |
| gagcttgaaa  | tacctccata  | aaaagttatg  | gatggaacga  | ctgaactcca | ggaaatctta | 3526020 |
| cgggccatct  | ttgccgcata  | tttttgcat   | tcggcttggt  | tcagtgttgg | attgtacgtc | 3526080 |
| agcgccagtc  | ggaatacttc  | ttcggcttgt  | tctgtagtca  | gctgtatctg | atcgaatgcc | 3526140 |
| gattgttcca  | gcaggcaggt  | atccagtatc  | agcgagtctt  | cggaaggaaa | attcattttc | 3526200 |
| tgttcaacg   | tcagcatggc  | ggtttcgtac  | aaattatgct  | gatgggtcag | gttataagca | 3526260 |
| tcgggtggctt | gttgtgcctc  | catctgggct  | acatctgcc   | tccctttcaa | gccaagttct | 3526320 |
| tcttgtcggc  | gggtcttgta  | gagcaacgaa  | tcactttcag  | ccagtttctg | tctggcgagt | 3526380 |
| cgggtagtcc  | catagtaata  | aagggcacg   | atgtatgctt  | ggaatgtttc | caacgcggta | 3526440 |
| ttgtcgcgtg  | cctcttgtaa  | agcagctttg  | cccaatagca  | gattggcttt | gcttttccgt | 3526500 |
| acctgattaa  | tcaggcttcc  | tcctcggaag  | atcgaaatag  | aggcttccat | gctataacca | 3526560 |
| ttgttgaaatg | tcgattccga  | tttataagt   | ttggctctcg  | gatcgaccga | acgtccaaag | 3526620 |
| ttatatgtg   | catttacacc  | tcctgatact  | ccgggcaaaa  | attgtccgat | tgctttcata | 3526680 |
| cgttccaaac  | gataattgtc  | ggcttccaga  | tttcgctgct  | tcaccgtgcg | gttatgatcg | 3526740 |
| acagcgtaag  | ccatgcaccg  | gtctacattc  | catacttctt  | gtgccgtcag | actgaggctg | 3526800 |
| cacagacaag  | ccagcaacaa  | gagcgggttc  | tttattgtga  | tgtttctttt | catgcattgt | 3526860 |
| acattttatt  | cgcctgatat  | aaatcaaata  | tcgtgccaaa  | aggataatat | attgattatc | 3526920 |
| agtatatgcc  | gcattgagac  | gtttctttgt  | agtgtcaaaa  | aattagacac | ctactgtcta | 3526980 |
| attttttgtc  | acctgttacc  | agttccttta  | ttttatcttt  | gcgtatcttt | gcatcactgc | 3527040 |
| aaataataag  | aatatggcta  | aacaaggaac  | tttgctgggt  | gttgatgata | accggaatat | 3527100 |
| attgacttca  | ctccaatatc  | tgtaggaga   | atactttgaa  | cgggtgatta | caatcgattc | 3527160 |
| tccggttaca  | attcctactt  | tattgaatcg  | ggagtccatt  | gatgtgggat | tgcttgatat | 3527220 |
| gaatttctct  | tcagggtatca | atagtgggaa  | tgaaggactt  | tattgggtgc | atgaaataaa | 3527280 |
| acgtctttgt  | ccgcagacag  | aggtggattt  | gtttacagct  | tatgccgata | tcaatctggc | 3527340 |
| tgtgacgggc  | ataaaggaag  | gcgcagccga  | tttcgtggta  | aagccttggg | aaaatgcccg | 3527400 |
| gttggtacag  | acacttcagg  | aggcgtatgc  | tcgggtcgca  | gatgcccgta | agggaaagaa | 3527460 |
| aaagaccgtt  | tcactttctt  | ctacttctga  | tgcggggatg  | tattggggga | actcaccggc | 3527520 |
| tattcgtccc  | ttgcgtatgc  | tggttgagaa  | agtgagcaca  | accgatgcca | atattctgat | 3527580 |
| tacaggagaa  | aacggtacgg  | gaaaagatat  | gttggcacgt  | gaaattcatc | ggctgtccaa | 3527640 |
| tcgcagggaa  | ggaccgatgg  | ttgccgtcga  | catgggagct  | attaccgaat | cgttgttcga | 3527700 |
| aagtgagttg  | ttcggtcagt  | tgaaagggtc  | gtttacggat  | gcacatacgg | accgtgtagg | 3527760 |
| gcggtttgag  | gctgccgatg  | gaggaacgct  | tttcttggat  | gagatcgcaa | atttacctta | 3527820 |
| tcatttgcag  | gcaaaaactgc | ttacggctat  | tcagaagcgt  | tgctttgtga | aggtaggaag | 3527880 |
| caatacaccg  | cagcctacca  | atatccgctt  | gatttgtgctg | accaaccgta | acttggatga | 3527940 |
| gatggtgaag  | aacggggagt  | ttcgcgagga  | cttgctttat  | cgtattaata | ccattcattt | 3528000 |
| gcataatact  | gctttgcgtg  | aacgaaagga  | ggatattctt  | ccgttggcga | aacgctttct | 3528060 |
| ggagcaatat  | gcaaagcagt  | atggccgacc  | ggtgcaggct  | tttactcccg | aggctgctcg | 3528120 |
| ccgtttgctg  | gagcatcctt  | ggtacggtaa  | tattcgggaa  | ctccagcatg | ttgttgaaaa | 3528180 |
| ggctgttatt  | ttgtccgatg  | gaaatgaatt  | gcagggggat  | atgttgcaat | tgacatcggt | 3528240 |
| cgcttcttct  | gctgaatctg  | tagccgggtca | tgccgagacg  | gaaactcctt | tccatacact | 3528300 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| cgatgaaatg  | gaacgcagta  | tggtaaagcg | tgccatcgat  | cagtgcgaag  | ggaatctgtc  | 3528360 |
| gcaagcagca  | gccatgttag  | gaattactcg | tcagacgctt  | tacaataaaa  | tgaaacgtta  | 3528420 |
| tgggctgtag  | gtggatttat  | tcgatgccgg | tacgtacgtt  | gctgcttatc  | gtcggagtgg  | 3528480 |
| cactgataac  | gttgggaatt  | gcagaaggga | aaagtatact  | atgggtcgtg  | ggagtaattt  | 3528540 |
| cgtgtgttgc  | ttctgtactt  | gttttccgga | aaatgcaaca  | acaattacgc  | gaaaagagtt  | 3528600 |
| ggctggtgct  | ggaagctatt  | cgaaacctgt | actattcgtt  | tcgtttgccc  | gttgccggat  | 3528660 |
| tttcgggggg  | agaacgtgtg  | ctgcaagata | cgctcaatcg  | ctttggggga  | ctgatgagtg  | 3528720 |
| aacagaaaaca | gctgatggaa  | cagcgtgaac | gtttttatga  | gcaaatacctt | tccagtgtta  | 3528780 |
| catctggtat  | tatcgtgctg  | gatgaagaca | tgaaagtagt  | acagaccaat  | ccggctgctg  | 3528840 |
| cccgtctgtt  | aggacttccc  | gtattgagta | ccttacaaca  | actggatcgg  | tatggtaccg  | 3528900 |
| aagtccctca  | tgtgtttcgg  | acattgggtg | ctggagagcg  | atgtaacata  | cagttttcta  | 3528960 |
| cgtcgaaagg  | ggaagtgcag  | ctgctgggtc | gtgcttcggt  | tatgcaattg  | ggagaccgga  | 3529020 |
| cggtacgaat  | cttagctttg  | aatgatatcc | gtaatgaact  | ggatgcgaag  | gaacttgact  | 3529080 |
| cgtggataaaa | gctgacacga  | gtactgacac | atgaaattat  | gaattccatt  | gtcctatttt  | 3529140 |
| cgctggttag  | cgaaaccttt  | ctgaagcgta | gtgacgtgat  | aggaactcct  | ttgtacgatg  | 3529200 |
| gtatacgtgc  | cattcatgaa  | acttctaccg | gtctgatctc  | gtttgtcgac  | agttaccgta  | 3529260 |
| agttttcttc  | cttgcaaaaag | ccttcacccg | aacctttcta  | tctgctggat  | ttgcttcata  | 3529320 |
| aggtagaagg  | acttacactt  | gttccggaga | atattgtctt  | tactttgcag  | atagagcctg  | 3529380 |
| ccgagctgat  | gctttatgcc  | gaccctaata | tgatacgtca  | ggtacttatc  | aatctgataa  | 3529440 |
| aaaatgcggt  | acaggctatc  | ggcggacata | aggggaaggat | acatgtgctg  | gcatatagtt  | 3529500 |
| cggccgatga  | gcatgtgttt  | gtgtatgtca | gcaatgacgg  | tccggcgatt  | ccggaggctg  | 3529560 |
| aggctgaaca  | gatatttgtg  | ccttttttca | caacccttag  | tgagggaagc  | ggcatcggac  | 3529620 |
| tttctttgtc  | acgtcagatt  | atgaagcttt | cgggaggtac  | aatcagttta  | ctccgttcag  | 3529680 |
| gaacaaaatgg | ctggaatact  | acatttgtgt | tagagtttga  | ataaaacgaa  | acaggctgtt  | 3529740 |
| attgttgttc  | cgattccttg  | atggctattt | tcccgttttc  | tttttctaca  | ttgacaatgc  | 3529800 |
| tgcttttggg  | gttcagactg  | aatggagtaa | tttcatcact  | tttggtgtcg  | acaatcatca  | 3529860 |
| gcgcattttc  | ttctgcaaag  | cggttgactt | gaagggtaa   | agctgtagac  | cccatggtgc  | 3529920 |
| agttgagcag  | caggctgtcg  | ttcacatata | ccgaaatgct  | atcgccggca  | aagctgttcc  | 3529980 |
| caatctggat  | ggtatataaa  | tcgcttgaaa | cttttgtctt  | gtcggttttt  | gaggtagcga  | 3530040 |
| aactcagata  | aaggaacagg  | catacaatga | aaaaaacacc  | gaaagccaga  | ataccgtttc  | 3530100 |
| ctatcataaa  | ctgtttgttg  | ctgttgatac | ttttattgtc  | cataatgaaa  | taaactgttt  | 3530160 |
| tgttttacct  | gcaaagatat  | tccaaaaaga | taaatcttgc  | taaaaatgaa  | atattttattc | 3530220 |
| tgatattttg  | cggtagatta  | tattatttgt | atctttgcat  | ccgagatgga  | tgaaaagggtg | 3530280 |
| gaggggcggt  | taagctcctt  | tttttgttct | tatatagtta  | atacatgata  | gataaaaacg  | 3530340 |
| ttgtaacccg  | gatagttgaa  | gaatggctgg | agggtaaaga  | ttatttcctg  | gtagatgtca  | 3530400 |
| ctgtaactcc  | ggatgacaaa  | attgtagtgt | aaatcgacca  | tgcggaaggc  | gtatggattg  | 3530460 |
| atgatttgtg  | ggacttaagc  | cgttatatcg | aatcgaaact  | gaaccgagag  | gtcgaagatt  | 3530520 |
| atgagcttga  | ggttggttcg  | gcgggaatcg | ggcaaccttt  | taaagtactt  | cagcaatata  | 3530580 |
| ttattcatat  | tggcaaagag  | gtggaagtgc | aggataagga  | cggaaagaaa  | tggaccggcg  | 3530640 |
| tattggtcga  | tgcaaatgaa  | tcgaacttta | cgattacggt  | gcagactaaa  | gtaaagcctg  | 3530700 |
| aaggcgccaa  | acgtccgaaa  | ctggtagaac | agaatgtgac  | ctttacttat  | gacgaaataa  | 3530760 |
| aatacaccaa  | atacttaata  | agcttttaaa | aaaattatgg  | cgaagaaaga  | agcaactgtc  | 3530820 |
| agtttgattg  | acacgttttc  | ggaatttaaa | gatttgaaaga | atatcgaccg  | caccacgatg  | 3530880 |
| gtgagcgtac  | tgggaagagtc | atttcgtagt | gtgatagcaa  | agatgttcgg  | tactgatgaa  | 3530940 |
| aattacgatg  | taattgtaaa  | tcccataaaa | ggcgactttg  | aaatatggcg  | taatcgtgag  | 3531000 |
| gtggtggctg  | atgatgagct  | gacgaacccc | aatatgcaga  | tttcgcttac  | tgaggctcgc  | 3531060 |
| aaaatcgatg  | catcgtacga  | agtaggagaa | gaagttactg  | atgaggtgat  | attcgagaag  | 3531120 |
| ttcggtcgcc  | gtgcgatatt  | gaatcttcgc | cagacattgg  | cttctaagat  | tttggaactg  | 3531180 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| gaaaaagaca  | gtttatacaa  | taagtatat   | gataaggtcg  | gtacgattat | tgctgctgaa  | 3531240 |
| gtttatcaga  | tctggaagaa  | ggaaatttt   | ctgctcgatg  | acgagggtaa | tgaattgctg  | 3531300 |
| cttccgaaga  | ctgagcagat  | tccaagtga   | ttttatcgta  | aaggagaaac | cgtacgtgct  | 3531360 |
| gttgtggcac  | gggtagacaa  | taagaataac  | aacccgaaga  | ttattctgag | tcgtacctct  | 3531420 |
| ccggtattct  | tacagcgctt  | gttcgaacag  | gaagttcctg  | aaatcaatga | cggattgatt  | 3531480 |
| acaatcaaga  | agattgctcg  | tattccgggc  | gaacgtgcga  | aaatagctgt | ggagtccttac | 3531540 |
| gatgaacgta  | ttgatccggt  | tggagcatgt  | gtaggtgtaa  | agggctctcg | tattcatggc  | 3531600 |
| atcgttcgtg  | aattgcgtaa  | cgagaacatc  | gatgttatca  | attatacttc | gaatatacaa  | 3531660 |
| ttgtttgtac  | agcgtgctct  | gagtcctgcc  | aaggtttctt  | ctatcattat | gcatgaagaa  | 3531720 |
| gaaaagaaa   | cagaggtata  | tctgaaaccg  | gaagaggttt  | cgctggctat | cggtaaagg   | 3531780 |
| ggtatgaaca  | ttaagttggc  | aagtatgctc  | actgagtata  | ccattgatgt | atatcgtgaa  | 3531840 |
| ctggatgaaa  | acgcaaccga  | tgaagatata  | tatctggatg  | aattcaaaga | tgaattgat   | 3531900 |
| gaatgggtta  | tcaacgcat   | taagagtatt  | ggtatcgata  | cggcaaagg  | cgtactgaat  | 3531960 |
| gctccgcgtg  | aaatgctgat  | agaaaaagct  | gatttggaag  | aaaacacagt | tgatgatgtg  | 3532020 |
| ttaagaattt  | tgagggcaga  | gttcgaggaa  | taataagaca  | gactttccgt | gactgaaaac  | 3532080 |
| ctttttccct  | gaactctatt  | aaaaattaaa  | agaatttatg  | acgataagac | tgaacaaagt  | 3532140 |
| aacaagagat  | ttgaatgtag  | gtattgctac  | ggtagtggac  | tttttgcaaa | agaaaggata  | 3532200 |
| tactatcgag  | gcaaatccga  | atactaaaat  | tactgatgaa  | caatatgctg | cacttgtgaa  | 3532260 |
| agagtttagc  | aaagacaaag  | atttgaaaat  | agagcttgaa  | aagatttttc | aggaacggca  | 3532320 |
| gaataaggaa  | cgaataaagg  | cttctgtttc  | tatcgatgac  | ttgcaggctg | aaacaacaac  | 3532380 |
| aaaacctgaa  | gtgatagaaa  | cagttgtacc  | cgaagatgca  | cgtcctagat | ttaagcctgt  | 3532440 |
| aggcaaaatt  | gatttggaca  | atcttaataa  | gaagaagggtg | aagccggctg | tggaggagcc  | 3532500 |
| tgctaaggaa  | gaaaaaaaag  | aagtggtaga  | aactgctgaa  | ccagtggaaa | agcctgcacc  | 3532560 |
| tgtacaagtg  | gaggaagaaa  | ctgtcgcgga  | agttgcacaa  | ccgcaacctc | agattaatga  | 3532620 |
| acaacagaaa  | cagccggaac  | aggagaaggc  | agaagatttg  | ataccagatt | tgatggaaga  | 3532680 |
| aaagaaaagaa | acccccgaag  | cacagaccgt  | tcaacaggac  | aaggaagatg | aagtttttaa  | 3532740 |
| aatacgtcca  | acggaattta  | agtcaaaaat  | aaatgtagta  | ggtcagattg | acctggctgc  | 3532800 |
| actgaaccag  | tctaccgctc  | cgaagaaaaa  | aacgaaggaa  | gaaaaacgta | aggaacggga  | 3532860 |
| agagaaaagat | aaacagcgctc | tggaaacagcg | taagcagatg  | aaggatgcta | ttatcaagga  | 3532920 |
| aataagaaaa  | actgacgaaa  | aagcagataa  | aggcggctcag | aatgatgttg | cgggaaagaa  | 3532980 |
| gaaacgtaat  | cgtataaata  | aggaacgagt  | agatattaat  | gctgccggta | gtatgactgc  | 3533040 |
| acctcgtgga  | ggtgataaca  | aagctggaaa  | aggtaactcc  | aatgctgctc | aaggtggagg  | 3533100 |
| aaagcataat  | aaagaccgtt  | tcaaaaagcc  | ggtagttaaa  | ccggaagtga | gcatgagga   | 3533160 |
| tgttgctaag  | caagtaaagg  | aaacattggc  | acgtcttact  | aataaaggaa | agaataaagc  | 3533220 |
| tgctaagtat  | cgtaaagaaa  | agcgtgaaag  | catacagaat  | cgtcaactgg | aacaggagga  | 3533280 |
| actggaacag  | gaagaaagca  | aggacttgaa  | gttgacggaa  | tttgttacgg | cgaatgagct  | 3533340 |
| ggcaaatatg  | atggatattt  | cggttacaca  | agttatctct  | acttgatga  | gtgtgggtat  | 3533400 |
| catggtttcc  | atcaaccagc  | gtctggatgc  | agaaacgatt  | aacttggttg | ctgaggaatt  | 3533460 |
| tggtacaag   | acggaatacg  | tgagtgtgta  | agttgctcag  | gctatcgaag | aagaggctga  | 3533520 |
| tgacagaagaa | gatttgcagc  | cacgagctcc  | gattgttaca  | gtcatgggtc | atgttgacca  | 3533580 |
| tggtaaagact | tcattgctcg  | actatatccg  | taaggcaaat  | gttatcgag  | gtgaagccgg  | 3533640 |
| aggtattacc  | cagcacatcg  | gtgcatataa  | tgtaaaactg  | gaggacggac | gtcgtatcac  | 3533700 |
| gttcctcgat  | actccgggac  | acgaagcgtt  | tacggccatg  | cgtgctcgtg | gtgcgaagg   | 3533760 |
| taccgacgtg  | gttattatta  | ttgttgctgc  | cgatgataat  | gtgatgccgc | agacgaaaga  | 3533820 |
| agctatcaat  | cacgcgatgg  | ctgccggagt  | tcctattgtg  | tttgctatca | ataagattga  | 3533880 |
| taagcccaat  | gctaataccg  | acagaattaa  | ggaagaactg  | gctgctatga | acttcctggt  | 3533940 |
| tgaagaatgg  | ggaggtaaat  | accagtcaca  | agatatatca  | gcaaagaaag | gtaccggtgt  | 3534000 |
| acatgaattg  | ctagaaaaag  | tattgctgga  | agctgagatg  | cttgacctga | aagctaattc  | 3534060 |

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|-------------|-------------|------------|-------------|------------|-------------|---------|
| taatcgtaag  | gctacaggtt  | ctatcattga | atcttctactg | gacaagggac | gtggatatgt  | 3534120 |
| ggctacagtt  | ttgatttcga  | acggtacgtt | acacgtcggc  | gacattgtgc | tggtctggaac | 3534180 |
| gaactatggt  | aaggtgaagg  | cgatgttcaa | tgaacgtaac  | cagcgcttga | aagaagctgg  | 3534240 |
| accgtctgaa  | ccggtactga  | ttttgggatt | gaacggagcg  | cctgccgctg | gtgatacatt  | 3534300 |
| ccatgtattc  | gatactgac   | aggaagctcg | tgaatcgcc   | aacaagcgtg | aacagctggc  | 3534360 |
| tcgcgaacag  | ggcttgcgta  | cgcagaagat | gcttactactg | gatgaagtag | gtcgtcgtct  | 3534420 |
| ggcactgggt  | gacttccacg  | aactgaatgt | aattgtgaaa  | ggtgacgtgg | acggttctgt  | 3534480 |
| agaagccttg  | agcgactcac  | tgataaaatt | gtctaccgaa  | cagattcagg | tgaatgtgat  | 3534540 |
| tcataagggg  | gtaggacaga  | tttctgagtc | ggatgtatca  | ctggcagctg | catcagatgc  | 3534600 |
| tatcatcgtc  | ggtttccagg  | ttcgtccgtc | gaacaatgct  | gccaagcttg | ctgaacagga  | 3534660 |
| aggcgtggat  | atccgtaagt  | attctatcat | ctacgatgca  | atagaagaag | tgaagcggc   | 3534720 |
| tatggaaggt  | atgcttgac   | ctacattgaa | ggaacaggtt  | actgctacta | tcgaggttcg  | 3534780 |
| tgaggtcttc  | aacattagta  | aggttggtat | ggttgctggt  | gctatggtca | agacaggtaa  | 3534840 |
| agtaaaacgt  | tccgacaagg  | ctcgtttgat | tcgtgatggt  | attgtaatct | ttacaggtag  | 3534900 |
| tatcaatgcc  | ctgaaacgtt  | tcaaggatga | tgtgaaggaa  | gtcggtagca | actttgaatg  | 3534960 |
| tggtatcagc  | ctgaccaatt  | gcaacgatct | gaaggtgggc  | gacgttattg | aaacttacga  | 3535020 |
| ggaagtagaa  | gtaaagcaaa  | ctttataatt | acattataat  | atctttaatg | aggtgatgtc  | 3535080 |
| atcctgagca  | tagcgaagga  | tctgtaaacg | ctatcggaag  | tgtacagatt | cttccgttgg  | 3535140 |
| ttcagcatga  | catttccttt  | tttatgggag | tgaatatgat  | agtcctcgat | tggataattg  | 3535200 |
| taataatgat  | aggtatgggg  | gcggtacttg | gcttttccaa  | aggctttatc | aggcaacttg  | 3535260 |
| cttctattgt  | gggactgatt  | gcgggcctgc | tcattgcccg  | agctttgttt | gcttcggtgg  | 3535320 |
| gagaaaaggct | ggccgaagaa  | ctgggaacac | cacttacctt  | tgcacaggtc | gtggccttta  | 3535380 |
| tcttgatatg  | gctggtgggtg | ccaatcgtat | ttttgttttt  | ggcttcagca | cttacgcgtg  | 3535440 |
| tcatagatat  | tgtcaagctg  | ggctttgtaa | accgatgct   | gggagcaggg | ctggggggcac | 3535500 |
| tgaagtatat  | gctcctggta  | ggcatagcca | tacattttat  | tgagtttgtc | gattctaaag  | 3535560 |
| ataacttaat  | aaagtcaacc  | gtaaaacagg | aatctgtgtt  | atattatccg | atggaagatt  | 3535620 |
| tttcggatat  | tttttatccg  | actattaaaa | atgtgactaa  | acaactaata | gactgatata  | 3535680 |
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| aagcagctta  | cgcaggaaaa  | atacaaatac | ggttttacta  | cggaaagtga | tacagacatc  | 3535800 |
| attgaaaagg  | gattgaatga  | agatgtggta | cgattgatct  | cggccaaaaa | aggtgaaccg  | 3535860 |
| gaatggttat  | tggagttccg  | tctgaaagct | tatcgtcatt  | ggctgacaat | ggaaatgcct  | 3535920 |
| acatgggctc  | atctcgatat  | tcctgaaata | gattatcagg  | ccatttctga | ttatgccgac  | 3535980 |
| ccgactcaaa  | agaaggaagg  | tccgaagagc | atggacgaag  | tcgatccgga | actggtgaag  | 3536040 |
| acatttaata  | aactgggtat  | tccgctggaa | gagcagatgg  | cgctgagtgg | tatggcggtg  | 3536100 |
| gatgccgtta  | tggactctgt  | ttctgtaaaa | acaaccttta  | aggaaacact | gatggaaaag  | 3536160 |
| ggaattattt  | tctgttccat  | gagtgaagcc | atacgcgaa   | atccggatct | ggtgaaaaaa  | 3536220 |
| tacctgggct  | ctgtggtagg  | ttatcgtgat | aatttctttg  | cagccctgaa | ctcagctgtg  | 3536280 |
| tttagtgacg  | gttcatttgt  | ttatatacct | aagggagtag  | gttgtccgat | ggagctttct  | 3536340 |
| acttatttcc  | gtatcaatgc  | agcgaacacc | ggacagtttg  | aacgtacgct | gattgttgcc  | 3536400 |
| gatgacgaca  | gttatgtctc  | ttatctggaa | ggctgtacgg  | caccgatgcg | cgatgagaac  | 3536460 |
| cagttgcatg  | ctgcaattgt  | ggaaatcggt | gtcctggacc  | gtgctgaagt | aaaatattct  | 3536520 |
| actgtacaga  | actggtatcc  | gggtgatgct | gaaggcaagg  | gaggtgtata | caactttgtt  | 3536580 |
| acgaagcgcg  | gaaactgtaa  | gggagtagac | agcaagttgt  | cgtggactca | ggtggaaacc  | 3536640 |
| ggttctgcca  | ttacatggaa  | gtatccgagc | tgtatcctga  | gtggagataa | ttctacagcg  | 3536700 |
| gaattctatt  | cggtggcggt  | aaccaataat | taccagcagg  | ccgatactgg | taccaagatg  | 3536760 |
| attcatctgg  | gaaagaatac  | ccgctctacc | attgtaagta  | aaggtatcag | tgccggaaaag | 3536820 |
| agccagaact  | catatcgtgg  | actggttcgt | gtgtcggaac  | gtgcagacaa | tgcccgaac   | 3536880 |
| tatagtcaat  | gtgactcatt  | gttgttgggt | agtcattgcg  | gcgctcatac | attcccctat  | 3536940 |



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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| gaagaccagt  | tgttctattg  | taaccagcgt  | ggtattccga  | ctgaagatgc  | agtaggcttg  | 3537060 |
| attgtaaacy  | gttatgcaaa  | agaagtgttg  | aataaacttc  | ctatggagtt  | tgccgtagaa  | 3537120 |
| gcacagaagt  | tgctctctat  | ttcgttgga   | ggcagtgtag  | gataaataaa  | aaagaacgtt  | 3537180 |
| atgtagaaaa  | taaaagattt  | gcatgccaca  | attaatggca  | aagagatatt  | aaaaggaatt  | 3537240 |
| aacctgacag  | taaagtcggg  | tgaagtacat  | gctatcatgg  | gaccgaacgg  | ttctggtaag  | 3537300 |
| agtacattga  | gcaacgtact  | ggtcgggtcat | ccggcttatg  | aagtaacaaa  | aggctcggta  | 3537360 |
| acttttcgacg | gaaaggactt  | gctgggtatg  | agcccagagg  | accgcagtca  | cgaaggattg  | 3537420 |
| ttccttttcgt | tccagtatcc  | ggtagaaatt  | cccgggtgtaa | gcatgggttaa | cttcatgcgt  | 3537480 |
| gcggctgtaa  | acgaacagcg  | taagtataaaa | ggacttcctg  | ctctgactgc  | aagcgagttc  | 3537540 |
| ctgaagctga  | tgccgacgaa  | gcgtgagatt  | gtggaactgg  | acagcaagct  | tgccaaccgt  | 3537600 |
| tccgtaaacg  | aaggattctc  | cgggtggtgaa | aagaaacgta  | atgaaatctt  | ccagatggcc  | 3537660 |
| atgctggagc  | cgaagctgag  | catcctcgat  | gaaactgact  | ctggactgga  | tattgatgcg  | 3537720 |
| ctccgcatcg  | tagccgaagg  | agtgaacaag  | ctgaagactc  | ctgaaacaag  | ctgcatcgtg  | 3537780 |
| attactcact  | atcagcgctt  | gctggattac  | atcaagccgg  | atatcgtaca  | cgtgctttac  | 3537840 |
| aaaggacgta  | tcgtaaagac  | tgctggaccg  | gaactggcgc  | tcgaactgga  | agaaaaaggt  | 3537900 |
| tacgactgga  | ttaagaaaga  | attaggagaa  | taagcatgaa  | agcagaacaa  | caatatattg  | 3537960 |
| atctttttctc | gcagtgtgag  | gcatgatttt  | gccggcatag  | tgccgaggtg  | ctgaatgctc  | 3538020 |
| ctcgtgcaaa  | agcgtttgcc  | gacttcgaac  | gtctgggctt  | ccccacacgc  | aagcaggaaa  | 3538080 |
| agtataaata  | cacggaggtg  | agcaagtatt  | ttgctcccga  | ctacggactg  | aacctgaacc  | 3538140 |
| gtctggagtt  | cccgggtcaat | ccgtatgaag  | tgttcaagtg  | tgatgtgccg  | aacatgagta  | 3538200 |
| cttcgctcta  | ttttgtggta  | aacgatgcat  | tcgacaagca  | cgtacatcct  | tctgcacaat  | 3538260 |
| tgcccgaagg  | agtgattttc  | ggcagttctga | aagatatggc  | agaacagtat  | cctgaactgg  | 3538320 |
| tgaaaaaata  | ttatggcaag  | cttgccgata  | cgtcgaaaga  | cgggggttgtt | gcctttaata  | 3538380 |
| ccatgtttgc  | gcaagacggt  | gtgctgatgt  | atgtgccgaa  | gaatgtggtc  | gtagaaaagc  | 3538440 |
| cgattcagtt  | ggtaaacata  | ttgctgtccg  | atgtcaattc  | gatggtaaac  | cgctcgtattt | 3538500 |
| tgatcatcct  | tgaggatggt  | gctgcaggcta | aattgtctgat | ttgcatcat   | gcaatggatg  | 3538560 |
| agggtgaattt | cctttctacg  | cagggtggtg  | aagttttcgt  | tggcgaaaat  | gccgtatttcg | 3538620 |
| atctgtatga  | actggaggaa  | acgcacaaca  | gcacggttcg  | cttcaacaat  | ctgttcgtca  | 3538680 |
| accagcaggc  | aaacagtaat  | gtattgtctga | atggcatgac  | gcttcataac  | ggtacaacac  | 3538740 |
| gcaatactac  | cgaagtaacg  | cttgccggac  | aaggagcgga  | aatcaacttg  | tgtggaatgg  | 3538800 |
| ctattgccga  | caaaaacgaa  | caggtagata  | ataatacgtt  | catcgaccat  | aaggtcccca  | 3538860 |
| attgtaccag  | caatgagttg  | tttaaatatg  | tcctcgacga  | tcaggcagta  | ggagcctttg  | 3538920 |
| ccggtaaagg  | actggtgcgt  | gaaggagcac  | agggacttct  | atcgacgag   | acaaaccgta  | 3538980 |
| atatttgcgc  | tacgcgtgaa  | gcgcgcatgt  | atactcagcc  | gcaactggag  | atattatgccg | 3539040 |
| atgatgtgaa  | atgttcgcac  | ggagcaacgg  | tcgggcaact  | cgatgaaaat  | gcgttggttct | 3539100 |
| acatgcagca  | gcgtgggtatc | agcctgaaag  | aagcacgctt  | gttgctgatg  | tttgcctttg  | 3539160 |
| taaacgaggt  | tatcgacaat  | atccggatgg  | atgcattgaa  | agaccgtttg  | cacttggttg  | 3539220 |
| tagaaaaacg  | tttccgtggc  | gagctgaata  | aatgtcaggg  | atgtgctatt  | tgtaaaataaa | 3539280 |
| taatcgtgtg  | aaatgtttta  | cgatgtacaa  | aaaataagag  | aagactttcc  | gatactttcg  | 3539340 |
| cgaagggtgt  | acaacaaacc  | gttgattttac | ctcgataacg  | gggcgacgac  | tcagaaacct  | 3539400 |
| cgtgtggtgg  | tagagtcgat  | tacggacgaa  | tattatttcg  | tcaacgccaa  | cgtacatcgc  | 3539460 |
| ggcgtagatt  | tcctttcgca  | gcaggctacc  | aacttgcacg  | aggcttcg    | tgaaaccgta  | 3539520 |
| cgtaaagtta  | tcaatgccc   | cagtacttcg  | gaaattgtct  | ttacgcgcg   | tacgaccgaa  | 3539580 |
| agcatcaatc  | tcgtggcatc  | gacctttgtc  | gacagtcaga  | tgaaggaagg  | cgtatgaagt  | 3539640 |
| attgttttcg  | tcatggaaca  | tcatagtaac  | atcgtttcgt  | ggcagttgca  | ggcggcgcgt  | 3539700 |
| aagggaattg  | tgctgaaagt  | gattcccatg  | aacgaccgtg  | gcgaactgtt  | gctcgacgaa  | 3539760 |
| tatgagaagc  | tcttctctcc  | gcgtaccgca  | ctggatcgtg  | tggctcatgt  | ttcgaatgtg  | 3539820 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| ctgggaacca  | tcaatcccgt  | aaaggaaatg | attgctacgg  | cacatgcaca  | cggggttccg  | 3539880 |
| gtgctgata   | acgggtgcaca | gagcattcct | cacatgccga  | ttgatgtgca  | ggatctggat  | 3539940 |
| gccgatttct  | atgtgttcag  | cggacataaa | gtatatggcc  | ctacgggtat  | cgggtgtactt | 3540000 |
| tatggaaaag  | aagcgtggct  | cgacaagctc | ccgccttatc  | aggggtggagg | agagatgata  | 3540060 |
| aagaatgtca  | gcttcgagca  | tactacgttc | aacgagctgc  | ctttcaagtt  | cgaggcagga  | 3540120 |
| acacccgact  | acattggcag  | tacggcactg | gcaaaagcac  | tcgattatgt  | ttcagctatc  | 3540180 |
| ggaatggata  | agattgcagc  | ttacgaacat | gaactgacgg  | tatatgccat  | gaaccgcctg  | 3540240 |
| aaggagattc  | ccggcatgcg  | tatcttcggc | gaagctgagc  | acaagggagg  | agttatttct  | 3540300 |
| ttcttggtag  | ggaatatcca  | ccatttcgat | atgggtacgt  | tgctcgaccg  | tttaggcata  | 3540360 |
| gccgtgcgta  | cgggacatca  | ttgtgccgag | ccgttgatgc  | accggatggg  | cattgaaggt  | 3540420 |
| acgggtacgtg | cctcgttggg  | actgtacaat | accaaggaag  | aaatcgatgc  | gctggtagcc  | 3540480 |
| ggatctgaac  | gggtaagtca  | gatgttctga | taggcttttt  | ggctgtttcg  | taatgtcgga  | 3540540 |
| atccgatagt  | gcgattcagt  | tgcgaatgcg | aaagtcactt  | tataaatcaa  | atattttatac | 3540600 |
| aaaggagatc  | tccttgttcc  | acctgataca | atgaatgtca  | gggttgagc   | gaggagattt  | 3540660 |
| ttttatatcg  | taaccagtcg  | gtttgtcggc | tgcttggtgg  | tatctgccag  | cagttatttt  | 3540720 |
| ctatcgtgtg  | taaattatcg  | ccttgtttcg | aaaaaacgtc  | ggcggaaagt  | ggtgtaaaccg | 3540780 |
| tcggcatggt  | ttcagaaatt  | tgtctcgacg | tttttttatc  | ttttgtacaa  | aaaataaaaaa | 3540840 |
| tgtttgtaca  | aaaacaaaaa  | ggctcgtgcc | gggcagagat  | taagaatgac  | agcaggaacc  | 3540900 |
| tttgtaaatg  | tttagaacga  | acaaaagaac | gttacgagga  | acggtacact  | gaaatcggtt  | 3540960 |
| atgaaacat   | ggaagatgga  | tacaattaca | aactgctgac  | ctgccgtgcg  | ggtaatgatg  | 3541020 |
| ggcaggggtg  | tatccatcgt  | cgttgctcct | ccggcagaga  | taggagccag  | atttccgaac  | 3541080 |
| cagcggacca  | gcaggggagc  | acaaagtaag | gtcatgattt  | ctcgtaggat  | gttggaagg   | 3541140 |
| agggcaagag  | taccagctc   | cggacctttg | tattgggtga  | tgaagatgct  | ggatagcgag  | 3541200 |
| taatagccca  | tacctgagcc  | tatcgccatg | cattcgctta  | cgcttcggtg  | gggcaggatg  | 3541260 |
| aggctgacaa  | gtgccgctgc  | cgacaaggta | cctaaaatag  | tggctacggg  | aagcagtagc  | 3541320 |
| agtcgcggat  | tcagagaacg  | gaaatttcgt | aaggctctgcg | gatcattccc  | gatgctgata  | 3541380 |
| cctacgtgta  | acatcagggc  | gcacagtgc  | taaaagctga  | tattgctctg  | actgaggtcg  | 3541440 |
| gaaggtagaa  | gatggaacat  | tccacagagg | gtaccgagca  | ggaagaatcc  | cacaataatc  | 3541500 |
| agactgcctt  | tcatgccttg  | cctccttttc | ttttatacaa  | ccagcgccac  | agtccccagg  | 3541560 |
| caagaaggca  | actgcctgtc  | agacaggcga | gcgtaataat  | aagggttctt  | attcccagtg  | 3541620 |
| tagcaagacc  | ttctataatc  | tgacggttat | tcccgacctc  | cagtcctagg  | agaaacagca  | 3541680 |
| gtatccagat  | cagcacgggtg | atggccttgc | cgatccatga  | aagggttttg  | cgacggagca  | 3541740 |
| caaagccggt  | cgccatacct  | cctagcatac | atccgataac  | agtgaacatg  | ggcatgattt  | 3541800 |
| ttatgcggat  | gcaaaaagta  | ggaaaagccg | ttgtaagaac  | aagcattccg  | cgggtgtagtg | 3541860 |
| gataacttat  | tgataacttg  | gtctcataag | tgacctttgt  | tttgcttgaa  | aactcgtacc  | 3541920 |
| tttgacgccc  | gaatttataa  | cgacgtatat | gttattgcct  | tatctgcata  | aagatttgat  | 3541980 |
| tgaagccgga  | tgcatggaag  | ccggacgcgg | ctgtctggca  | ggagcgggtc  | acgctgcggc  | 3542040 |
| ggttatcttg  | cctgccgatt  | acgaaaacca | gcagttgaac  | gattcgaagc  | agctgacgga  | 3542100 |
| acatcagcgt  | tacgccttgc  | gtgaggtcat | tgaacgggat  | gcaatagcat  | gggcggtagg  | 3542160 |
| agtcgttaca  | ccgcaggaga  | ttgataaaat | aaacattctg  | aatgcattct  | ttctggctat  | 3542220 |
| gcaccgtgcg  | atagatcagt  | tgaaggtgcg | tccgcagcat  | ttgctgattg  | acggaaaccg  | 3542280 |
| gtttaataag  | tatcaggatc  | ttccgcatac | tacggtagtg  | aaaggagatg  | gcaagtatct  | 3542340 |
| gtcgattgcg  | gctgcttcca  | ttctggccaa | aacttatcgt  | gatgattaca  | tgaaccggct  | 3542400 |
| tgccgaagaa  | tatccccagt  | acgactggca | gaaaaataag  | ggctatccta  | ccaaaaagca  | 3542460 |
| tcgggaagcg  | attgcccgct  | acggtacgac | accttatcac  | cggatgtcgt  | tcaattttatt | 3542520 |
| aggcgacggg  | cagctctcat  | tcgatttctg | aggattgaac  | gcttggtgtt  | acgtcatact  | 3542580 |
| tatgaacagc  | ctggtgataa  | ctctgaagtt | attaacaggc  | tgttcataat  | ttataattat  | 3542640 |
| gtaataagat  | tgaaacgggt  | ttgttttctt | atcttcaaca  | cactgtcgtg  | cgttcttaaa  | 3542700 |

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|             |             |             |            |             |             |         |
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| actgtttcag  | ttatttttgcc | ccaaaataaaa | ttcaatctag | tgtatgagga  | aaatatacag  | 3542760 |
| gcaatggctg  | tgcattggcgg | ttttgctttg  | ccagataacg | gcgcaggctg  | ccgaaaatgg  | 3542820 |
| agctgtagta  | agaggaactg  | tcaaagatgt  | gcaaggtaat | cccatagcgg  | gagtgggtgt  | 3542880 |
| aactgatgga  | aagaatatga  | cggcaaccga  | taatcggggg | atgtattttg  | tggataccga  | 3542940 |
| tccggttcgt  | cagccgatgg  | tatatatttc  | gactccagcc | gactatgtac  | ttcctgaaaa  | 3543000 |
| gaatggaatt  | gctgatggct  | tctatcgcta  | tcaggatgcc | ggtaaaacgg  | aaaatcaatg  | 3543060 |
| cgactttata  | cttcagaaac  | gggagaaaaa  | gacggatgaa | tttgtcttta  | ttcctatttc  | 3543120 |
| agacccgcag  | gtaaagaatg  | aacaacagtt  | ggaacgcttt | cgctcggaaa  | caatccccga  | 3543180 |
| cttggtgtat  | acggtcgatt  | cgctgaacct  | tcccgaacg  | atcggcatgc  | aactgggtga  | 3543240 |
| tttggtgtgg  | gatgccatga  | atttgtatac  | gccttatcgg | actacgattt  | ccgatctggg  | 3543300 |
| actgaccatg  | tttcagataa  | tgggaaacca  | tgactttaac | ttgcagtatg  | ccgatatgga  | 3543360 |
| acgtacggca  | gaaccggcga  | aaggatacgg  | agagaagaac | tattatgaaa  | tggtcgggtcc | 3543420 |
| tacggattac  | tctttcaatg  | taggaaaagt  | gcatgtcatt | gccatgaagg  | atatcgatta  | 3543480 |
| tgaaggcgg   | aagaaatata  | cagaacgctt  | taccgaagaa | caacttgaat  | ggttgaagaa  | 3543540 |
| ggatttaagt  | tatgtgcccc  | aagggactac  | tgtctttttg | aatgttcatg  | ctccggtagc  | 3543600 |
| gaatacgacg  | gtggaagggg  | gagataatgt  | gcgtaatgcc | aatgctttgt  | tccgcatctt  | 3543660 |
| acgaccttat  | aaggctcata  | tcttttccgg  | acatacgcac | ttctatgaaa  | atacacttcc  | 3543720 |
| ggcagccgga  | atatacgaac  | ataatatcgg  | ggctgcctgt | ggagcctgg   | gggcagggtga | 3543780 |
| tgtaaaccgt  | tgcggcactc  | ctaaccgata  | cttggtagta | accgtgaagg  | gggatgatgt  | 3543840 |
| aaaatggcgg  | tataaggcaa  | ccggccgtcc  | ggcagattat | caattccgtc  | tttacaagcc  | 3543900 |
| cggagaattt  | gaaacacaga  | aacaatatgt  | cgttgccaat | atttgggatt  | gggatatagc  | 3543960 |
| atacaccgta  | aactggtacg  | aagacggcgt  | gctgaaaggt | gccatgcaac  | agtttgacga  | 3544020 |
| tgaggatcag  | gactatctga  | atatggaaaa  | aggagagcgt | accggttacc  | atacccgga   | 3544080 |
| tttggtccgt  | gcttgtcctt  | ccagtcaggc  | aaagaaaata | aagggttagg  | taaagaatag  | 3544140 |
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| gattccccct  | ttcagtctgc  | gtgaagatag  | aaagggggac | tgtttttttg  | gcagttctgt  | 3544260 |
| ctggcagagt  | tcgttatccg  | ttgaggacga  | tgcataaaaa | gagtgaaaac  | ttattcttaa  | 3544320 |
| tacgagggat  | attttgtact  | tttgcatgtt  | gtaaagcatg | cactcgatat  | atcaactttt  | 3544380 |
| aaacaaaaata | atattatggc  | taagaaagct  | cttttaatga | ttcttgatgg  | ttggggatgt  | 3544440 |
| ggcgaccaca  | agaaagatga  | tgtgatcttt  | aatactccta | ctccgtactg  | ggacagtttg  | 3544500 |
| ctggcagaat  | atccgcactc  | acagttgcag  | gccagcggcg | aaaacgtagg  | tttgcctgat  | 3544560 |
| ggtcagatgg  | gtaactctga  | agttggtcac  | ctgaatatcg | gtgccggacg  | tattgtttat  | 3544620 |
| caggacttgg  | taaagatcaa  | ccgcgcttgt  | gccgacggta | gcatcatgca  | gaataaagaa  | 3544680 |
| atcgtttctg  | ctttctctta  | cgctaaggaa  | catggaaaga | atatccattt  | catgggattg  | 3544740 |
| acttcaaacg  | gtggtgtaca  | ctcttactg   | gatcatctgt | tcaagttgtg  | cgacatcgct  | 3544800 |
| aaagaatac   | gactggaaaa  | tacattttatt | cactgtttca | tggtatggctg | tgatacagac  | 3544860 |
| ccgaagagtg  | gcaagggcctt | tatcgaacag  | ctgactgctc | actgtgcaca  | gtctgaaggt  | 3544920 |
| aagattgctt  | ctatcatcgg  | ccgtttctac  | gcaatggacc | gtgacaaacg  | ttgggctcgt  | 3544980 |
| gtaaaagaag  | cttacgattt  | gctggtaaac  | ggtgtaggta | agaaggctac  | cgatatgggt  | 3545040 |
| caggctatgc  | aggaatctta  | cgatgaaggc  | gtaaccgatg | aatttatcaa  | accgatcgta  | 3545100 |
| aacgctaact  | tcgacggtac  | aatcaaggaa  | ggtgatgtag | ttatcttctt  | caattatcgt  | 3545160 |
| aacgaccgtg  | ccaaggaatt  | gactatcgtg  | ctgactcagc | aggatatgcc  | ggaagaaggt  | 3545220 |
| atgaagacta  | tcccgggatt  | gcagtattac  | tgtatgactc | cgtacgatgc  | ttcattcaag  | 3545280 |
| ggtgttcaca  | tcttgttcga  | caaggaaaac  | gtacagaata | cattgggcca  | atacctggct  | 3545340 |
| gctaaccgaa  | agactcagct  | gcatacgcct  | gaaactgaaa | agtatgctca  | cgttactttc  | 3545400 |
| ttcttcaacg  | gtggtcgtga  | aactccgtat  | gataacgaag | atcgtatcct  | ggttccgagt  | 3545460 |
| ccgaaagtgt  | ctacttacga  | cttgaaacct  | gaaatgagtg | cttatgaagt  | aaaagataaa  | 3545520 |
| ctggttgagg  | ctatcaatac  | caagaaatac  | gatttcatcg | tagtaaaacta | tgctaaccgtt | 3545580 |

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|            |            |             |             |             |             |         |
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| gactgtgtaa | gagatacagt | agaagctgcc  | aaggctaagt  | actatgaagt  | aatcatcatt  | 3545700 |
| gccgaccatg | gtaatgcaga | tcatgctttg  | aacgcagacg  | gtactccgaa  | tacagctcac  | 3545760 |
| tctttgaatc | cggttccggt | tgtttatgta  | acagcaaaca  | agaatgcaaa  | ggtggaaaac  | 3545820 |
| ggtgtattgg | ccgatgttgc | tccttctatc  | ttgcacatca  | tgggtatggc  | tcagccggct  | 3545880 |
| gaaatgactg | gtaaagactt | gattaagtaa  | ttgataagtt  | cctttatatt  | ctttatatca  | 3545940 |
| agaagggaat | agcccgttgg | gttattccct  | ttttttgatt  | gctacagttc  | tgtactgcat  | 3546000 |
| ttctcggctc | aggttttcgg | aagtcctttc  | gtgtcgtttc  | ttttctgctg  | tatcataaac  | 3546060 |
| tccttgcaat | tatcttttgt | gatacaataa  | aattccataa  | ctttatgctt  | cagaaataga  | 3546120 |
| agccgtcggc | ttgcctgtta | tactggtgag  | gctcatgtag  | atcgttttat  | tgcataatga  | 3546180 |
| ccaaccgact | gctttactct | tgaattgaac  | ttatgtaaat  | atgctatgac  | aaaccgacaa  | 3546240 |
| ttggattttg | agaacatcca | tagagtggaa  | aatctcacct  | acgaaccgct  | ggaaaagaaa  | 3546300 |
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| ctgctcctcc | ttttgaaaga | aggattgccc  | tatcgaacac  | tcattgttgc  | tggctctggaa | 3546420 |
| ggtctgttac | tttgtgcagc | tatcgttaat  | ctgcttcttc  | tccccaaggc  | gtatgcctgt  | 3546480 |
| aaaggattcg | cttttcgtga | gcacgacatc  | acctaccggt  | cggactcctt  | tttcccgact  | 3546540 |
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| aagctgttga | ggctttattc | tgtgtctatt  | gtaaaccggag | cacagtttga  | ggcggaaaca  | 3546660 |
| gttattccgg | gattgacgaa | agagagggca  | aacgtaatga  | aaacaatcat  | aatggagtac  | 3546720 |
| atacaacatg | gaaaaatctg | acttctctgt  | gccgcgcaga  | atgagtaaga  | gtgcctttgt  | 3546780 |
| cattctgttg | gtaaagggat | tgggtgggta  | tgccggtccg  | tttattattt  | gggctcttct  | 3546840 |
| caagttgttt | aataccgaca | aacagcgttc  | ctttatggag  | gtcatgagaa  | tattgtctgtt | 3546900 |
| tctgtttatc | tgctatctgg | tattttctgt  | cgtgacggcg  | tttattagtt  | attattacaa  | 3546960 |
| gaagtattat | attaaaaacg | ggaatctgat  | tcttatctac  | ggattttctta | agaaagaaac  | 3547020 |
| aaccataccg | ctgcagaaag | tgcagtcggt  | aagaaccgga  | cggggcttta  | tgtatcgtct  | 3547080 |
| gctcgatatg | aaaggagttt | cgttcgatac  | cctcgcgtcc  | aaggaagagg  | aagtggaaact | 3547140 |
| tattctggat | tataaagatt | gggatgctct  | gattgaaagg  | attgaacagc  | aggaacaagc  | 3547200 |
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| cacgaataaa | tatacgctga | aactgagtaa  | cctgaatctg  | ataaaagggg  | ctttctgtca  | 3547320 |
| gaatcatttt | cggggaatga | ttgtgttatt  | gggtattctg  | tttactttct  | acgataaaat  | 3547380 |
| actttcggca | agcgatagaa | tcttgaatct  | cttcacatgat | tatgtcaatg  | agcatgccga  | 3547440 |
| ttatacttcc | ctctcggtaa | cggatttcgt  | gatatttctt  | ctcctattgt  | atgttattgt  | 3547500 |
| aatggtatta | tggatcgtga | aagtgttcat  | gcgttactat  | aacatggagg  | tacagaccga  | 3547560 |
| cgatacgcaa | ctgttccttg | agagtgggtt  | gataaccgga  | ttcagtagtc  | gcttttcgta  | 3547620 |
| cgataagggt | tgtacgggtt | atgtcaaaca  | aaatatcttg  | gagaaatacc  | tcggctgctg  | 3547680 |
| tacaattatg | ttgaagcagg | cgttcaatgc  | taccgaagaa  | aaggatgaga  | gtgatgtaaa  | 3547740 |
| gatatatggt | tcgaatttct | cgggacattt  | tctgaactgg  | tgggtgggca  | aggattatgc  | 3547800 |
| ttcttcacaa | accattttat | cggcaaaatc  | cggtaaagga  | gtcatcgggt  | acaccatgcg  | 3547860 |
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| atggctggca | atacctgtag | tctatatgct  | gatattcttg  | ttaaagggaa  | ttttggcagc  | 3547980 |
| tcgccggagc | tgcatacagt | tgaaagaaga  | ttatatgtag  | atacataacg  | gtaagttggc  | 3548040 |
| cgatatcagg | aactatatta | aatacaccaa  | tgtggaagtg  | gtcagtcctga | gacgaactcc  | 3548100 |
| gtttactccc | ttcttccatc | gtgtgactct  | gatggtttcc  | accaacggaa  | cttcttttaa  | 3548160 |
| ggtgagaagc | ttgaaagaaa | aagaggcaaa  | cgatgtttat  | gagtttctga  | tagataatag  | 3548220 |
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| ggggaatggc | aagctggcac | ttgttaacaa  | gtcagtcggt  | taacaaacgc  | cgtgccggta  | 3548340 |
| aatgatttta | tatcaagctc | atgttaagat  | tagcagatcc  | cttttatccg  | gtcttcaaag  | 3548400 |
| gcagaaaagg | cagctttggc | tccttcgccc  | atcgatatga  | tgatctgctt  | gtaggccacg  | 3548460 |

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| aagatttctc  | ccatccggtt  | ggtttccagt  | gcttcggcaa  | agggccggct  | gttggctgca  | 3548580 |
| agtccgatct  | gtacgaatac  | accgtccagc  | ggcaacaggc  | tctcggtttc  | atcctgtcgg  | 3548640 |
| ttcttgatgc  | gcagcgcatt  | catggcctct  | ccgtttcctt  | gtacttctag  | ggtctgaacg  | 3548700 |
| gaagtaaaga  | cttccacggt  | ggtcagtgaa  | tgcagtttgt  | tctgtaatac  | ctgatcggct  | 3548760 |
| ttcagagtat  | ccataaactc  | cagtacggta  | actttcgagc  | agataccgc   | caagtcgatg  | 3548820 |
| gctgcttcta  | ctccggaatt  | tcctccaccg  | atgaccgcta  | catgcttccc  | tttgtagaaa  | 3548880 |
| ggtccgtcac  | agtgcgggca  | gaaagcaact  | ccacgaccga  | tgtattcggc  | ttctcccggg  | 3548940 |
| acgttcagtt  | tacgccagga  | agtcccgggtg | gcgataatca  | atgccggagc  | gaggaacttt  | 3549000 |
| ttccctcctt  | ttacgggtgag | tactttctgt  | cctccctgca  | gggagaatgt  | ttctatctga  | 3549060 |
| cggttgtcgc  | aaatggtaat  | gttctcgtaa  | tgtgacaagt  | gagtgcgtaa  | gtcggctgcc  | 3549120 |
| aaggctctgtc | ctgtagtgta  | agaaacagaa  | atgacgttct  | cgataccgac  | ggtctcattt  | 3549180 |
| acctgtcccc  | cgatacgtcc  | ggctacgaca  | gccactttca  | gtcccttacg  | tgccgagtag  | 3549240 |
| atggctgcgg  | caactccggc  | aggtcctcct  | cctgctacca  | gtacgtcgaa  | atgacgttct  | 3549300 |
| tctgtcactg  | gctggtaaga  | agaatcgggt  | cccattttgc  | tttccagttt  | atccagcaat  | 3549360 |
| tctcctaattg | tactgcgccc  | tacatgtatg  | gaggttccgt  | ccagccagac  | agaaggaacc  | 3549420 |
| gcctgaatgt  | tgagccgttg  | aacttcttct  | gcaataatg   | caccgtcgac  | gatacgaatg  | 3549480 |
| gatatacggg  | gattcagtaa  | ggtaatgata  | ttgagtgcct  | gtaccacgtc  | gggacagttt  | 3549540 |
| gtacacgaaa  | gcgacatgta  | agtcgtcagt  | gtggcattgc  | cttgcaagtg  | ttcgattctc  | 3549600 |
| cgtcgggtag  | catcatcggg  | aagatttttc  | ccttttccgt  | cggcattcag  | cacggcaagc  | 3549660 |
| agcagcgaa   | tgaactcgtg  | tccgttgggc  | actgcctgaa  | agtagatgcg  | caactcctct  | 3549720 |
| ccgttttcta  | ggatacggaa  | ttccagtcct  | tcaccgtcac  | ggacggtaca  | cgatagctta  | 3549780 |
| tcgagcagg   | aagctgtatc  | ttccagcaat  | tcgatcagtt  | cgttgccggct | ttcgtgctga  | 3549840 |
| ggatgtacgg  | ctatgtcgaa  | cacgtattca  | gcattccagtc | cggcaaaaat  | ctgtttgagt  | 3549900 |
| tgtgcttttaa | acgctgtatc  | caacataagc  | agttctcctt  | gttctttatca | gattttacct  | 3549960 |
| accaggtcga  | tacttggctt  | cagggtttcc  | ttgccttggt  | cccatttggc  | agggatactt  | 3550020 |
| caccgtcgtg  | agaagccaca  | aattgagctg  | cttgtagctt  | gcgcagcagt  | tcgtcggcgt  | 3550080 |
| ttcgtccgat  | gctgttatcc  | tgtatttcta  | ccagcttgac  | cagtccttcc  | ggattcacga  | 3550140 |
| caaaggtacc  | acggtagggc  | attccgtctt  | cttcaatcat  | gacaccgaag  | gcacgtgaca  | 3550200 |
| aagctcctgt  | cgggtcggca  | agcatcggat  | actgtatttt  | gcggatgctt  | tcggaagcat  | 3550260 |
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| tggctttgaa  | ctgttcatac  | ttctctgcca  | tgtctaccag  | ttcggtagga  | catacgaag   | 3550380 |
| tgaagtcggc  | aggatagaag  | aaaaatatag  | cccatttccc  | tttgatgtct  | tcgtttgata  | 3550440 |
| cggtagtgaa  | ctgtccgttg  | tgaaaagctt  | gtaccttaaa  | ttcgggtact  | cttgagttga  | 3550500 |
| tgattgaatt  | cataaaatgt  | atgtttttta  | attattattt  | attgtttttt  | aaattttgtaa | 3550560 |
| tgattacaat  | gtaaaggtag  | ggtcctcttg  | ttagatgggc  | aatacctact  | tttaggtata  | 3550620 |
| ttgcatgatt  | cctatgccat  | atcttttttg  | tattttttgcg | ccgtaatact  | aaaggtagat  | 3550680 |
| tataaagaga  | tggtacagat  | agacgatgta  | atagtcagtc  | tggatgtttt  | ccgcgagaag  | 3550740 |
| tttgtctgca  | acctcgatgc  | ctgtaaggga  | gagtgttgta  | tagaaggtag  | tgccggagct  | 3550800 |
| ccggtagagc  | tggaagaagt  | ggagaaactg  | gaagaggtag  | tgctgtgat   | atgggatgat  | 3550860 |
| ctttccccc   | aagcacgtgc  | cgtaatcgat  | aaacaagggtg | tagttttatac | cgattcggaa  | 3550920 |
| ggtgatctgg  | tgacttccat  | cgtaaatgga  | aaggattgtg  | tgttcacatg  | ttacgatgaa  | 3550980 |
| aaagggtatt  | gttactgcgc  | aatcgagaag  | gcttatcggg  | aaggacgttg  | taattttctac | 3551040 |
| aagccggtat  | cgtgccattt  | gtatcctata  | cgtgtaagcg  | attacggacc  | ctacaaggct  | 3551100 |
| gttaactatc  | accggtggga  | tgtctgcaag  | gctgccgtac  | tgttaggcaa  | gaaagaaaat  | 3551160 |
| gttccggttt  | acaagttctt  | gaaggaacct  | ttgatacgta  | aatttggtag  | agcatggtat  | 3551220 |
| gccgagctgg  | aaaacgtagc  | agaggaattg  | gaaaagcaac  | atattattta  | gtagatagca  | 3551280 |
| agttggtgca  | gagagacaaa  | gtcagaaatg  | ttttgttcta  | ctctgcacct  | tttttataaa  | 3551340 |

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| agaaagggct | ttctatttta | gcttgaaccg  | tacagtcttt | accggtcgta | agtaataatc  | 3551400 |
| taccgtcttt | ccggcatcca | gtatgcgatt  | gtttgccaga | ctgaaagtgg | actgtccgtc  | 3551460 |
| gttgcataag | taacgtgctc | catccgtata  | tttaaatacg | tcgaatccgt | attcagaaat  | 3551520 |
| aaaagtattc | aggtcggtta | tgctcgcttg  | aaactgggtt | ctgaaagcga | ctgcctcttc  | 3551580 |
| cgttgtaaac | attctccatc | cacttatatc  | atctttttcg | taagcctcca | gcagtccggc  | 3551640 |
| agcatctgct | gccagggtgt | accattgggtc | gggcgctata | aggatagcct | tgctttcggg  | 3551700 |
| agccgacaat | gatgtgactt | gccagacata  | aaaatatccc | catatcgat  | cggcatcagg  | 3551760 |
| cagctcggga | acgataaaag | tatcgggtctc | ttctgtatca | tccgggtgtt | cgggtgctgcc | 3551820 |
| ggtgttgctc | gaatcggtgt | catcttttcc  | gctgtctgta | ttatgatcgt | cgtcaccctc  | 3551880 |
| atcgggaaga | atttcacaa  | atccgaattc  | acagtcgact | tccggttgcc | atccgtcggc  | 3551940 |
| ctgaaactct | ccgtcgagcg | atacttctcc  | tttataatat | ccggtaaaat | gatagggata  | 3552000 |
| tctgccttc  | agtgttgctt | gatacgtata  | tccataggtt | tcgttgccgt | cgggagtctg  | 3552060 |
| aatgtttatc | gacagatggg | tttgtgaact  | ctcgttcggg | aagatatata | ccgcatcgct  | 3552120 |
| tatccagcgg | ttgccttctt | tccggcatga  | aacagtgcac | tgacgtttgt | cattcttgct  | 3552180 |
| gtcaccgttg | aacgaaatac | ccgaactgac  | cggtgaaatg | cttacttctg | tcgaggtagc  | 3552240 |
| atgctcaggg | atgccgttaa | gcgtaaaggt  | aagcgaagct | acgacatacg | aaagtgtgag  | 3552300 |
| ggtgattcgg | gtggactggg | tgaggttgac  | actggccttt | cccatttgca | gcggtttatc  | 3552360 |
| cgagcaattg | ttgttccgta | gcgtaatgta  | actgtcgggg | atgatttcta | gcggatacga  | 3552420 |
| atagtgttta | tccgtcagcc | ccgacaatag  | gaccattgtg | tatttccctt | tcggcatcga  | 3552480 |
| tgagctgtat | tactgttttt | cgtcgggaat  | attttcttgc | gccacacagt | tggtcttgct  | 3552540 |
| atcgaacagg | aagagcgaca | gcggatagtt  | gagcttggcg | ttgtcctgac | tgccgatatt  | 3552600 |
| cagttgcagt | gtgtacgaaa | cttcgttttc  | ggtctctccg | gttgtcccgt | tttcttcttg  | 3552660 |
| ttccagctgg | tattccccac | aggcacaag   | cagaaacagg | caggtaataa | gcaagatgtt  | 3552720 |
| tttcatcggt | ttcataggtg | gcttggtgct  | ttttctcttt | actaacgcaa | gttgatgaaa  | 3552780 |
| aaatgtaccg | tgcatgaaa  | tttttttcga  | gagacctgga | atttttcttc | actggaaggg  | 3552840 |
| aacagaaatt | tgtacaaatt | ttctgcgttt  | ttgtacaaaa | aataaaaaaa | tgtcccgcag  | 3552900 |
| ttttttcggg | gagaaagttt | ggagtttccg  | aaaacgtcgg | gacatctctg | taaacgtaag  | 3552960 |
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| ggcgatagct | ttcagttggt | cgtcggtcag  | gttgccgga  | tggtcgcaca | gcgcacggca  | 3553320 |
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| cccttcccgt | ttcaaacgat | aaagatcggc  | tggcgtgtaa | gcaatatcta | ccgccgtaca  | 3553680 |
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| ctgacgtcct | tcggtcactc | tgtgtaagtc  | gacctttatc | ttcggatcgc | gtgtggcgaa  | 3553860 |
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| gtgatgcatg | cgtttcgctg | tgcggaaga   | agcagcctcc | tgcaacagcc | attcgaagag  | 3553980 |
| cggcacatg  | tattcgtcat | cgttcaggat  | aaagcattca | ggatgccatt | gtacccccag  | 3554040 |
| catcgactta | tattctgtac | tttcgatggc  | ttcggctacg | ttgtcgggtg | cacgggcccga | 3554100 |
| aatgcggaat | cccgggtgcc | cttcgtttac  | agcctgatgg | tggaatgaat | tgacaggcaa  | 3554160 |
| ggagggtgtc | ttcatgattc | gtgccagcag  | actgccttct | tctatccgta | tggtatggga  | 3554220 |

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| gccaaagtatc | ggaatctggc  | ggttggcggc  | aaggcgggta | agaagcagct  | cctgacggtc  | 3554400 |
| gcggtaagga  | ttgatgttgt  | gtaattcttt  | tactggctct | tcgtgcagga  | acagtggatt  | 3554460 |
| tatatctcct  | cctcctgtca  | gaagaagccc  | gtcgaggctg | tcgagcaggc  | ttatcattat  | 3554520 |
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| ataatatccg  | ggagcaagcg  | ttaagtttcc  | gtcactgaaa | ttaccggtaa  | ttccgatgac  | 3554640 |
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| gtcccaatga  | ccctcatagc  | gaatacgtta  | ttattcgtag | cttgctgtaa  | gaaatagcag  | 3554940 |
| aatatctctt  | ggtcaccgat  | gaggcgcgat  | tggaggttgc | acacagcttg  | catgcggctt  | 3555000 |
| ctcccgattt  | tgtccgtata  | tatgttactt  | ctactcccga | cgaggcggcc  | gactggctg   | 3555060 |
| ttgaactggg  | acgtacaggc  | gaggcagata  | ttctgatgaa | gggactcatt  | aataaccgaca | 3555120 |
| atctgttgcg  | tgctgtattg  | aagaaagaaa  | aaggcttggt | gccccggga   | aatattctga  | 3555180 |
| gtcatgtggc  | tattgcacag  | attccgctgt  | atcataaact | gctgtttgtt  | tcggatgcgg  | 3555240 |
| ccgtcatacc  | ccgtccgggt  | ttggcgcagt  | ttcgggcgat | gatagcgaat  | gatattgcct  | 3555300 |
| tgtgccgtaa  | gctgggcaac  | gacgaacctc  | gtgtggcact | gatacattgt  | tcggaaaagg  | 3555360 |
| taaacgaaaa  | gtttcctcac  | acgctggatt  | atgtgcagct | gaaagaagag  | gcacgtgccg  | 3555420 |
| gcaagtttgg  | tgctgcgttt  | atcgacggac  | cgatggacgc | gaagactgct  | tgcgaccgtc  | 3555480 |
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| caggaaattc  | caagttctat  | agcctggcac  | tggcgtgtct | ggctggtacc  | caaaacgatt  | 3555720 |
| aatatggacc  | ttatatgaaa  | atactagtga  | tcaaccccg  | ctctacttct  | acgaagctgg  | 3555780 |
| cagtatacga  | agatgataaa  | caggtgtggc  | ggcagagtgt | gttcacgca   | gctaaagatt  | 3555840 |
| tatcagtctt  | tcaccacatc  | aatgaacaat  | atgactatcg | tcgtcagcat  | gtgacggaag  | 3555900 |
| cgttgcagca  | ggcaggtata  | cctttgcact  | tcgatgccat | cattgcacgc  | ggtggcttgc  | 3555960 |
| tgaagcctac  | tccgggaggg  | gtgtaccgga  | taaatgaacg | tatcaagcac  | gacttatggc  | 3556020 |
| atgccgatat  | ggagcatgcc  | tcgaatctgg  | ctgctctgat | agccgacgaa  | ctggctgctt  | 3556080 |
| cggcaggatg  | tccggctttc  | atcgccgatc  | cggtggtgac | tgatgagtta  | tgtgacgtgg  | 3556140 |
| ctcgtctgac  | cggatttccg  | gagattcctc  | gtatttctat | ttttcatgct  | ttgaacagca  | 3556200 |
| gggcggtttc  | ccgcaattat  | gcggcacgga  | ttggcaagaa | gtatgaagag  | ctcaacctga  | 3556260 |
| ttgtggttca  | tttaggtgga  | ggtatttccg  | tcagtgcgca | tcatcacgga  | aagggtgattg | 3556320 |
| acgtgaacaa  | tgcttgaat   | ggcgagggac  | cgttcagtc  | ggagcgtgcg  | ggaactattc  | 3556380 |
| cggcacggca  | gcttgtcgac  | ttgtgcttca  | gcggaaagta | tacgtatcag  | gaaattcgt   | 3556440 |
| agatgctgaa  | tggcagggga  | ggtttgctgg  | ctcatctggg | gacgacggat  | gttcctacca  | 3556500 |
| tcgtgcggtg  | ggcacatgcc  | ggcgataaaa  | aacataagct | ggtactggaa  | gccatgattt  | 3556560 |
| atacggttgc  | caagcaggta  | ggggccatgc  | atgtcgcttt | acacggacag  | acggatgccg  | 3556620 |
| ttattctgac  | aggaggcatt  | gccaataata  | cttattgcgt | gtctttgctc  | agagattggc  | 3556680 |
| tgaaggaat   | agcacgtatt  | gttgtcattc  | cgggtgagga | tgagatggga  | gcacttgcca  | 3556740 |
| tgaatgcgct  | gggtgccttg  | aaaggagaat  | tgctctgca  | agaatataat  | ccgtaaaagg  | 3556800 |
| gtataaaaaa  | gcaccgcttc  | caacggtctg  | tgtcgaatgt | ataatcgata  | agctcgttgg  | 3556860 |
| aagcggcgta  | aaaggatttt  | cttgtcaagg  | agattgttcc | gtatcaagat  | tcgtattcgt  | 3556920 |
| gcttgcgctt  | aggattcatt  | gggaaccatc  | ctttcaaaac | ccgttcacgt  | tgttcgaata  | 3556980 |
| tctcttttat  | tgtccaaaag  | gaagaaaagg  | aaaatacgcc | caataaggta  | gaaatcacta  | 3557040 |
| ggttgcttac  | aagtagtgaa  | ccaatgattc  | ccgctatacc | caatagcagg  | aaccaccacc  | 3557100 |

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| agcagcgcg   | tccccataa   | tattcggctt | taaccactat  | cggatgaaac | aacccgataa  | 3557160 |
| tcaggaaggt  | acataacac   | attataatcc | cttcaaaatg  | aaaagttgaa | agccattcca  | 3557220 |
| tctgtcagtt  | atttgcggat  | aggaatttcc | tttttgatac  | tctgttccag | tgaaattaat  | 3557280 |
| gtttccggtg  | cagttacgcc  | gggaatttcc | tgtatcttag  | agttcagcaa | ctccatcagg  | 3557340 |
| tgctcgttat  | ctgttgagta  | tagttttgtc | aacatggtgt  | acggccctgt | agtaaagtgg  | 3557400 |
| cattctacga  | tttcaggaat  | tttttccagt | tctgtctacca | cgcttttata | catggaacct  | 3557460 |
| ttttccagtt  | taatacccac  | gtatgtacaa | gtactgtatc  | ccaaactttt | ggggtttacg  | 3557520 |
| tgatagcctg  | agccgataat  | gactcccaag | tctatcagtc  | gctgtacacg | ttggtgaatg  | 3557580 |
| gctgcgcgag  | aaactccgca  | atcagcggca | acgtctttta  | atggaatacg | agcattcttg  | 3557640 |
| gaaataattt  | ccagaatctg  | tttgtctagg | ttatcaattt  | tttccatata | agcaatctat  | 3557700 |
| attatcattt  | tgtaagcaaa  | tataggaaaa | cttttttata  | agtcttatag | atgtcaatga  | 3557760 |
| aaaacatatt  | ttttttactg  | aaaagaacaa | aaaagactcc  | ctatgggcat | ataagccctt  | 3557820 |
| tgattttctg  | tattttgcgc  | cttctgtcga | aggaaaaggt  | atcactatgc | gtgtccagat  | 3557880 |
| aattcatcag  | atacagtact  | ttctgatata | acgtttttct  | ctcctcggcc | gactgctgga  | 3557940 |
| tagatgcac   | ataacttagc  | aagtcggaaa | gcattcttat  | acggtgcaga | aactcttggt  | 3558000 |
| ccggaaaattc | ggtttgtaag  | taatgaagga | tgtattcggc  | atcttggtcg | tagaagaaac  | 3558060 |
| tttcaggctg  | gcggaaataa  | gctcggtaac | tgctgtaaac  | ttccactcgc | agagttgcta  | 3558120 |
| ctggcttggg  | ttctttttct  | tctttcagct | tttccaatgc  | ttcaaaaaac | tgctgatca   | 3558180 |
| gtcgcagat   | ataatctcgt  | tctaacataa | cctgttcttt  | ttaataggat | gattgactgg  | 3558240 |
| caaagatagg  | tagtttttct  | atatgctcat | tgtgtattct  | tgcccgaagc | acagaatccg  | 3558300 |
| gctcgaaatg  | agccttgtag  | tggtgttttt | ttgtgttaac  | tttccccgtt | gtgttttcat  | 3558360 |
| ttcttctatc  | tttgtggagt  | taaatattat | aaatctttta  | agacatgcac | ccgctggatt  | 3558420 |
| tgtttaaata  | ttgtcccaag  | tgccgatctt | ctcatttcga  | aatacgaaac | gagaaggcta  | 3558480 |
| agaagtgcgc  | cgactgcggt  | tttacttatt | attttaattc  | gagtgccgct | acggtggctt  | 3558540 |
| ttattttaaa  | tgctaagaat  | gaacttctgg | tatgccgcag  | aggcaaggaa | cctgcaaaaag | 3558600 |
| gtacactcga  | cctctcggga  | ggctttatcg | atatgggaga  | aaccggagaa | gaaggggtgg  | 3558660 |
| ctcgcgaagt  | acgggaggaa  | accgatttgc | aggtggtaca  | ggctacttac | ttgttttcac  | 3558720 |
| ttccgaatac  | gtatttgat   | tcgggctttc | tggtacatac  | gctcgatttg | ttctttcttt  | 3558780 |
| gccgggtggc  | agacgacagt  | cgtttgctgg | caatggatga  | tgtggctgat | tcgttctgga  | 3558840 |
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| atatgaagaa  | caagaaacat  | gtatgggtgg | caggagccat  | gtgtgtgttg | ccttttatgg  | 3559020 |
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| agttatttct  | tcgtcgtgat  | tatgcggcgg | cgtggcagac  | tttgtcgcgc | tatgtgcagc  | 3559140 |
| agaaaccgca  | ggcttcgctg  | gccgatgagg | ctgcttatat  | gcttgcttgc | acgtcgtatg  | 3559200 |
| aactgaaatc  | tcccactgc   | attcagcagc | tggaacatta  | tctggaacaa | tatcccagat  | 3559260 |
| cccgttatgc  | caacaggggtg | cacgctctca | ttgcttcagc  | ctattttctt | cagggacagt  | 3559320 |
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| gtgatgcctg  | tactttgcgt  | atgggtacag | cttattttaa  | gatgggaaac | ttgcaggaag  | 3559440 |
| ccgctgtgtg  | gtttaatata  | ctgaaagagg | tgagcagtga  | gtatcatacc | gatgccgttt  | 3559500 |
| actatctggc  | atatattgat  | tacgtacaga | aacggtataa  | cgaagctttg | caaggcttcc  | 3559560 |
| gtgaggcagg  | aacaacgccc  | aaatatgcac | cgctggctcc  | ttattatatt | gccgatattt  | 3559620 |
| atctgattgg  | aggttaattat | cagcaggcac | gacagattgc  | ttcgacttac | ctggaggctt  | 3559680 |
| atcctcgcca  | ggagaaaacg  | gttgagatga | aacgtattta  | cggagaggca | tgttacggac  | 3559740 |
| tgaaagagta  | cgacgggtgc  | atccgttatt | tatcggttta  | ccagaatgag | gcggaagccg  | 3559800 |
| gggtaaaccg  | taatgcgttg  | tataaactgg | gtatgagtta  | tttcaatacg | ggagtttatt  | 3559860 |
| cagaggctgc  | tgctacgctg  | ggcgaagcta | ctaccggcca  | ggatgcgttg | actcagaatg  | 3559920 |
| cctatttgca  | catgggactt  | gcttacttgc | agctgaaaga  | tagaagtcgg | gcacgaatgg  | 3559980 |



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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| ctttcgagca  | ggcttctgcc  | atgaattacg | accgcagtat | caaggagcag  | gcgttctata  | 3560040 |
| actatgcctt  | gtgtatacat  | gaaacctctt | attctccttt | tgcggaatca  | gtaacggtat  | 3560100 |
| tcgaacgttt  | tctgaatgag  | ttcccgaatt | ctgcctatac | ggaaaagggtg | aacgattact  | 3560160 |
| tgatagaggt  | ttatatgaat  | acacgcagct | acatggctgc | cttgaattcg  | atagcgaaaa  | 3560220 |
| tcagtcattc  | gggaactcgt  | attctggagg | ctaagcagaa | gttggtgttc  | cgtctgggaa  | 3560280 |
| cgcaggcttt  | cgcgcaggct  | gcttttgaaa | atgccatcga | ctatTTTTct  | cagtcgcttc  | 3560340 |
| aactggggcg  | ttataaccaa  | cagacacagg | cggatgctta | ttattggcgg  | ggtgaatcca  | 3560400 |
| aatatcgtct  | ggagcaatac  | gatgctgctg | catccgacta | tcgtcagttc  | ttggaatttg  | 3560460 |
| ctccccgaccg | aagcagtaca  | gagtacgcgc | tggctttgta | taatctgggc  | tatacggcat  | 3560520 |
| ttaaacaaaa  | acagtatgat  | aaggcactga | cttggtttac | tcgttgccgc  | gaatcgggta  | 3560580 |
| tccggctgga  | gaacgatgtg  | gtggcagatg | tttataaccg | aatgggtgac  | tgtaacttct  | 3560640 |
| atgcacgacg  | ctttgatgcg  | gccgatgctc | agtatgtcga | ggcatccggc  | tattctatgc  | 3560700 |
| cgtgtcggga  | ctactcgttg  | tttcagcaga | gtattatcaa | aggcttgacg  | cgtgagtata  | 3560760 |
| ctcagaagat  | cgaactgttg  | aaccgtctga | tttccggatt | cccaacatcg  | caatacatag  | 3560820 |
| acgatgcatt  | gtatgaacag  | ggacgtgctt | ttgtacagat | ggaagataat  | gcgaatgcca  | 3560880 |
| tcaagcgtaa  | ttctttgctg  | gtacagcggt | atccggaaag | tccgttgctg  | cgtcgtgctg  | 3560940 |
| ccaatgaaat  | cggctctgctg | tattatcagg | atgataaata | caatgaggcg  | atagctgctt  | 3561000 |
| ataagaaggt  | tatttctact  | tatccgggaa | gtgaggaagc | tcgtctggcg  | cagcgtgact  | 3561060 |
| tgaaatcgat  | ttatattgac  | ttgaaccggg | tagacgatta | catggcattt  | gcttctacta  | 3561120 |
| ttccgggtgg  | tgccaatttc  | gatgtaaacg | aacgtgattc | cttgacgtat  | gtggctgccg  | 3561180 |
| aacgtgtata  | catgcgtggc  | aatattgccg | aagcaaagtc | cagcttcgtc  | cgtactttgc  | 3561240 |
| aatcgttccc  | gcagggagca  | ttcagtgtca | atgcacatta | ttacctggga  | ttgatagact  | 3561300 |
| ataatgagaa  | gaattatacg  | ggcgcggcct | ctcatctgga | taaggtaatt  | gcttatcccc  | 3561360 |
| acaataagtt  | ctcgggtgaa  | gcgatggcga | tgtgtgccga | tatggcttat  | aaggataaaag | 3561420 |
| catatgaaaa  | ggcattggga  | ctttataagc | agatggcaga | ccgggctgct  | tcgcaggaag  | 3561480 |
| aacgggtaca  | ggctcgtacg  | ggtgccatgc | gcagcgttg  | gatgataaaa  | gattatcagg  | 3561540 |
| aaattgttgc  | ggtagcttcg  | ggactgcttg | ccgaaagcaa | actgactccg  | gaactgaaga  | 3561600 |
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| atttgctggc  | gcagctttat  | ttcgatgcgg | gacagacaga | taaagccgag  | aagggaagtac | 3561780 |
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| tgctcggatgt | atatatgaaa  | cttgacgta  | acctggatgc | caagcaatat  | ttgttgtcat  | 3561900 |
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| aacttaataa  | gggaagttaa  | caatgaaaca | tatatctgct | attataatgg  | gagtggcgct  | 3562020 |
| gctgcctgta  | gtaaaagggt  | atgcacagga | gcaggctaaa | gattctacat  | tgaaccgtac  | 3562080 |
| agtgggtgtg  | gagaatcaat  | acaaccccga | agtgatggat | gcctttaagg  | taaacgtatt  | 3562140 |
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| tccgctcacg  | acgtggagct  | tttcgccgat | ggctccgatt | accagtgaac  | agaaacagcc  | 3562260 |
| ggatgctcct  | cgggggtata  | tcagaggtgc | ttatggcagc | cggacaata   | ccgacctgaa  | 3562320 |
| ggcatcgtat  | ctgtgggata  | tttcccgctg | tgaccgtttg | cagttcatgg  | gttccttgta  | 3562380 |
| tggtatgtat  | ggcaacattt  | cttctttagt | acccgatgag | ggggattgga  | aatctcgctt  | 3562440 |
| ttaccgtacg  | gatgtatcgt  | tggactacaa | acatgatttc | cagaagggtt  | cactcttttt  | 3562500 |
| gggcggagct  | ttacttcac   | aggttttcaa | ttacatgcct | ggaatggaga  | aggaagttca  | 3562560 |
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| ttctgtagaa  | ggtaagcttc  | cggtagagtt | ttctatacag | acaggcttgc  | gcagcttttag | 3562680 |
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| atttatatct  | ggtgcattga  | atgacgaaca | acgggtagga | gtcggactta  | gcatggataa  | 3562800 |
| cctggcttat  | aatgtagaac  | agaaagacta | tacgttggtg | aggctgaatc  | cttattatac  | 3562860 |

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| tcgcattaca  | aaggatgaaa | tctttcagcc | gggtgtcata  | gtagacagtt  | tcccctactg  | 3563220 |
| ctattctctg  | ttgtcgcagg | aaaaagcgaa | agtgggctat  | ggaggagcga  | aagtggctta  | 3563280 |
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| aagacaaaagc | gtattgtatt | ccatgaaatt | accaagactg  | ctattctgaa  | agccattgaa  | 3564240 |
| catccgcgtg  | acattaatgt | cgacttggtg | aatgctcaac  | aggcgcgctg  | tgtactcgac  | 3564300 |
| cgtattgtgg  | gcttcgaact | atcaccggta | ttgtggaaga  | aaatcaagcc  | ttctttgtcg  | 3564360 |
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| gcgtttgtaa  | gtgaggcttc | ctataaggte | accgctattt  | ttaccgatga  | caaaggagct  | 3564480 |
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| gaaagtgtgca | agaatgctgg | attcaaaata | gaagatatta  | ctactcgtcc  | gataaagaaa  | 3564600 |
| tcaccgcgtg  | ctccgtttac | aacttctacc | ttgcaacagg  | aagctgcgcg  | taagttgggc  | 3564660 |
| tataccgtgg  | cacagaccat | gatgctggca | cagcggttgt  | atgagaacgg  | acagattact  | 3564720 |
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| ggtgctcagg  | aagcgcatga | agctatccgt | ccgacttata  | tgtcgaatga  | aaccattgag  | 3564900 |
| ggaacttctc  | aggaaaaacg | tttgatgac  | ttgatctgga  | aacgtacctt  | ggcttcacag  | 3564960 |
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| aaatttattg  | cagtaggtga | agtggttacc | ttcgacggtt  | tcttgctgtg  | gtacaaggaa  | 3565080 |
| tctttcgtatg | aggatatgga | gcaggaagat | gaaagtcgtc  | tgcttcctgc  | tttggaagtc  | 3565140 |
| ggacagtcgc  | tcgattgtaa | ggaaatcatt | gcaatggaac  | gttttacaca  | agctcctccg  | 3565200 |
| cgctatacgg  | aagccagtct | ggttcgtaaa | ctggaagaac  | tgggtatcgg  | acgtccttct  | 3565260 |
| acgtatgctc  | ctacaatttc | gactattcaa | cagcgaggct  | atgtagagaa  | aggaaatcgt  | 3565320 |
| gaaggcgtag  | aacgtagtta | tgaaatcctg | caactgaagg  | gaaataagat  | tacagaaagt  | 3565380 |
| acgaaaaacag | aaataaccgg | aagtgaagaa | gcaaaaactga | ttcctacgga  | tgtgggtatt  | 3565440 |
| gtgggtcaatg | acttcctgaa | agaatatttc | ccgcagatta  | tggattataa  | cttcacggca  | 3565500 |
| agtgtggaga  | aggagtttga | tgaaattgca | gaaggagata  | aaaaatggac  | ggatgtgatg  | 3565560 |
| gaacattttt  | atgaagggtt | ccatccgttg | gtggaagata  | cgatggctgc  | caagtcagaa  | 3565620 |
| cataaggttag | gagaacgtat | gctgggggta | gaccgggtaa  | gcggaaaagcc | tgtttctgtg  | 3565680 |
| aaaatcggac  | gctatggacc | ggttgtgcag | attggtacgg  | cagacgatga  | agaaaaacct  | 3565740 |

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|            |             |             |             |            |             |         |
|------------|-------------|-------------|-------------|------------|-------------|---------|
| cgtttcgctc | agctgaagaa  | agaatattcg  | ctggaaacca  | ttacattgga | agaagcactc  | 3565800 |
| gatctgttca | aacttcctcg  | tacactgggc  | gaatgggaag  | gagctgttgt | aacggtggga  | 3565860 |
| acaggacgtt | tcggatcata  | tatacgttat  | aacaatacgt  | tcgtttctat | acctaagagt  | 3565920 |
| atggatccga | tggctgtcac  | gctggaggaa  | gcgataacgt  | tgattcgtga | aaagcaggat  | 3565980 |
| gcagcagcca | aaaaggttat  | caagactttt  | gatgccgatc  | cggatatgca | gattttgaat  | 3566040 |
| ggccgttacg | gaccgtatat  | cgcatatcag  | aaaaagaatt  | ataagattcc | tgaaaatgtg  | 3566100 |
| gaggcggccg | atttgacatt  | ggatgcttgt  | tttaagggtca | tcgaattgca | aaaggaaaag  | 3566160 |
| gctgaggtgc | gtaaagttcg  | cggcggcata  | aagaagaaat  | aatgaaaaga | atctttttga  | 3566220 |
| taggttatat | gggatcgggc  | aagaccacac  | tgggtaaggc  | gtttgcccga | gccatgcaac  | 3566280 |
| tccagttcat | tgatttggtg  | tggtatatcg  | aggagcggtt  | tcacaaaacg | gtgcaggagt  | 3566340 |
| tgtttgccga | acggggagaa  | gaaggctttc  | gtgaggtgga  | aagaaacatg | ttgcacgagg  | 3566400 |
| ctggagagtt | tgaaaacgtc  | gtgattgcag  | ctggaggagg  | tacaccctgc | tttttcgata  | 3566460 |
| atatagatta | tatgaatcgt  | gtgggtgata  | ccgtttttct  | ggatgtcagt | cctgaagtct  | 3566520 |
| tgttccgtcg | gttgaaaata  | gccaaagcaa  | agcgtccgct  | gctggctgat | aagacagatg  | 3566580 |
| aggaactgat | ggatgtcata  | aaagcagcct  | tgcagaaacg  | tttaggtttc | tacatgcagg  | 3566640 |
| ctaaaataaa | attcaatgcc  | gagaggctgg  | aaagtcataa  | acagatcggc | gaatcagtag  | 3566700 |
| agcaactgaa | attattatta  | gataaataga  | ttataaacgt  | agactttatg | ttgtgaaatg  | 3566760 |
| agaaaatggc | gtattgaaga  | ttctgaagaa  | ctctacaaca  | ttactgggtg | gggtgtttca  | 3566820 |
| tactttggta | ttaatgacaa  | gggtcatgta  | gtggtaaact  | cgcgtaaaga | cgggtgtagcc | 3566880 |
| gtcgacttga | aggaactggg  | tgatgaactt  | cagctgaggg  | atgtcacagc | tccgatgctg  | 3566940 |
| gtccgtttcc | cagatattct  | ggataaccgt  | attgaaaaga  | tatccaactg | ctttgctatc  | 3567000 |
| gcttctgaag | aatatggata  | tcaggctcaa  | aactttatta  | tttatccgat | taaggtgaac  | 3567060 |
| cagatgcggc | cggttgtcga  | ggaaatcatc  | agtcatggga  | aaaaattcaa | cttaggattg  | 3567120 |
| gaagctgggt | caaaacctga  | attgcatgcc  | gttattgcca  | ttaatacggg | ttctgattcg  | 3567180 |
| ctgatcattt | gtaacggata  | taaggatgaa  | agttatatcg  | aactggcctt | gctggcacag  | 3567240 |
| aaaatgggta | agcgcatttt  | tctgggtgggt | gaaaagtgtg  | acgaacttcg | tctgattgcc  | 3567300 |
| aagattgcca | aacagttgaa  | tgtgcggcct  | aatatcggtg  | tccgcatcaa | gctggccttct | 3567360 |
| tcgggaagtg | gtaaagtggg  | agaaagtggg  | ggtgatgccg  | gtaagttcgg | tctgacttct  | 3567420 |
| agtgaattgc | ttgaagcact  | cgattttatc  | gaaaagaaag  | agctgaagga | ttgccttaaa  | 3567480 |
| ctgattcatt | tccatatcgg  | aagtcagggt  | accaagattc  | gccgtattaa | gacagctttg  | 3567540 |
| cgcgaggctt | ctcagtttta  | tgtacagttg  | catcaattag  | gtttcccggg | tgagtttgtg  | 3567600 |
| gatataggtg | gcggattggg  | ggttgactac  | gatggtacgc  | gttcttcata | tagtgaaagc  | 3567660 |
| agcgtgaact | attccattca  | ggaatatgta  | aacgattcta  | tttctatcat | ggtggatgcc  | 3567720 |
| agcaacaaga | acaacattcc  | acatccgaat  | atcataaccg  | aaagcggacg | ttcgtctgact | 3567780 |
| gcccatcatt | cggctcttgat | ttttgaagta  | cttgaaacag  | cttcttttgc | ggaaatggat  | 3567840 |
| gaggacttcg | aagtaagtcc  | caatgaccat  | gagctggtac  | aggaaatgta | tcagatatgg  | 3567900 |
| gataatctga | atcagagtcg  | tatgctggag  | gcatggcacg  | atgcacagca | gattcgtgag  | 3567960 |
| gaaacattgg | atttgtttag  | ccatggcatt  | gtcgacttga  | agaccctgtc | gcagattgaa  | 3568020 |
| cggttgtact | ggtcggtttg  | ccgcgaaatc  | aatcatatcg  | tatcgggatt | gaaacatgct  | 3568080 |
| cccgatgaat | tccgcaactt  | ggacaagctg  | ctggcagata  | agtatttctg | taatttctct  | 3568140 |
| ctgttccagt | cgttgccgga  | ctcatgggcg  | atagaccaga  | ttttcccgat | tatgcctatc  | 3568200 |
| cagcgttttg | atgagcgtcc  | ggaccgtacg  | gctacattac  | aggatattac | ctgcgactcg  | 3568260 |
| gatggaaaga | ttgcaaattt  | cgtgtctacg  | cgaaatgtat  | cacacgactt | gccggtacat  | 3568320 |
| actgttaagg | caaaagaatc  | ttattatatc  | ggtgtgtttc  | tggtaggagc | ttatcaggag  | 3568380 |
| attctgggcy | atatgcataa  | tttgtttggg  | gataccaatg  | ctgtgcatgt | tactgtcaat  | 3568440 |
| gagaaaggat | acacaatcga  | tcagggtgatt | gacggtgaga  | ctgtagcaga | agtactggat  | 3568500 |
| tatgtacaat | ataatccgaa  | gaaactcggt  | cgtacgctcg  | aaacatgggt | tactaagtct  | 3568560 |
| gtgaaagagg | gtaagatttc  | attggaagaa  | ggaaaagaat  | tcctggcaaa | ttatcgtttc  | 3568620 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| gggttatacg  | gatatacata  | tttggaaataa | tacaaaataa | gcatacaatg  | aaagagaaac  | 3568680 |
| tgactattgt  | aaaagtaggt  | ggaaaaattg  | tgagggaagc | tgctacactg  | aaccagttgc  | 3568740 |
| tttccgattt  | ttcggcgata  | ccgggttata  | agctgctggt | acacggcggc  | ggacgttcgg  | 3568800 |
| ctacaaaaat  | tgccgacag   | ttgggtatcg  | aaagtaaaat | ggtagatgga  | cgccgtatta  | 3568860 |
| ccgatgctga  | aacattgaaa  | gtagtcacaa  | tggtctacgg | cggactggtc  | aacaagaata  | 3568920 |
| ttgtagccgg  | ccttcaggcg  | aaaggtgtaa  | atgctattgg | actgacgggg  | gctgatatgg  | 3568980 |
| atgtgatccg  | ttcggtaaaa  | cgtcccgtta  | aggaagtcga | ttatggtttc  | gttggagatg  | 3569040 |
| taaagcatgt  | taatgctgag  | gtacttgtat  | ccctgattag | ccagggagtc  | gttcctgtca  | 3569100 |
| tggtcccgct  | caccacgat   | ggtgaaggga  | atatgcttaa | caccaatgct  | gatacgatag  | 3569160 |
| cgggtgaaac  | agcaaaggct  | cttgccgaag  | catttgatgt | taccttgatt  | tattgtttcg  | 3569220 |
| aaaagaagg   | agttttgcgt  | gacgcagacg  | atgatgaaag | cgtcattccg  | gttatcactc  | 3569280 |
| cagatctttt  | tcagaaatat  | gtagccgaag  | ggatcataca | aggcggtagt  | attccgaagc  | 3569340 |
| tggaataatc  | tttttcagct  | gtagaggccg  | gggtctccca | agttgtaata  | accttagcat  | 3569400 |
| cagctatcga  | cggtaagtcg  | ggcacgatta  | taaaaaaata | attcaaaaaa  | ataggcgggt  | 3569460 |
| gggtgtaact  | tttgtgtaac  | tcaccgctca  | ttattataga | aagcaatgcg  | agaaattagt  | 3569520 |
| ttccgaaatg  | atattttgcc  | actgaaagac  | aaactttaca | ggctggcact  | ccggattact  | 3569580 |
| ttcgatagtg  | ccgaagcgga  | ggatatcggt  | caggatacta | tgatcagggt  | atggaacagg  | 3569640 |
| cgggatgaat  | ggtcacagtt  | cgattcgatt  | gaagcctatt | gtctgacagt  | ggcgagaaat  | 3569700 |
| cttgcaatcg  | accgaagcca  | gaagcaggaa  | gcacagaaca | tgagagtgac  | tcccgaaca   | 3569760 |
| caggaaatgc  | ctgacgcatt  | gacacccgat  | aaaaagtatg | agcaggacga  | acaacttaag  | 3569820 |
| ctggtacatc  | gtttaataaa  | cgagctcccg  | gaaaagcaac | ggactatcgt  | acaacttcgg  | 3569880 |
| gatatagaag  | ggaaaagtta  | taaagaaatt  | gccgatgtct | tacaactgac  | ggaggaacag  | 3569940 |
| gtaaagggtga | atctgttttag | ggcaaggcaa  | cggattaaat | taaaatatag  | cgagatagac  | 3570000 |
| aactatggac  | tataagtaca  | ttgaacaact  | tttagaaaag | tactggaact  | gcgaaacttc  | 3570060 |
| catagaagag  | gaacagattc  | tgcgttcttt  | cttccaccag | aaagaagttc  | cggcacattt  | 3570120 |
| gcttcgttat  | aagcctttat  | tcgcttatca  | ggaagcagag | aaagaggtaa  | agttgggtga  | 3570180 |
| tgactttgat  | tcacgtattc  | tggttgagat  | agaaagaccg | gtagtgaagg  | ctagacgcct  | 3570240 |
| tactttacat  | acacgcttta  | tgcctttgtt  | taaggcagct | gctgtgatgg  | ctcttttgtt  | 3570300 |
| tacggtaggc  | ggagtgggtga | aacattccat  | ggatggaaac | aaagcgggag  | ttgtgtatgt  | 3570360 |
| ttacgatcag  | tttgagaata  | acacgcacga  | tccgcaggta | gcttataaaag | tggtattcgg  | 3570420 |
| caaggcaccg  | atgaagggtt  | cagagcaacc  | tggtgtagag | aaacaataaa  | ttgacatttt  | 3570480 |
| catttgcttt  | tatataaata  | gtagtgctt   | atttaagaaa | aatcattgat  | gaggctgtga  | 3570540 |
| agtttcaatt  | ctctcacatt  | aaaatttact  | aactcaataa | aaaaggatta  | ccgcgtgagc  | 3570600 |
| agtaatcctt  | ttcttgtgat  | actcactaat  | agtatgaaat | gaacgatgaa  | tgtccttatt  | 3570660 |
| cgataatttc  | accgttttcg  | gtaaacaata  | cgttggtctc | tgcaccttc   | gcgtctacga  | 3570720 |
| gggttataag  | ataacgtgag  | ttcgatataa  | agattaaaat | tatcagtttg  | aaaatttagga | 3570780 |
| acatagcgat  | aaaagcatta  | aatttatagt  | gtctaagtat | aacattttaag | cgattaccac  | 3570840 |
| tatgttctca  | gagtctaaag  | ttacggagat  | tttttgtatg | gcggatgatt  | tttgcaagga  | 3570900 |
| atttgccaaa  | acacaggaaa  | aatatatggt  | tgaagaaaag | aatcataagc  | atcggaacaa  | 3570960 |
| gccgaaccgg  | atgagtgatg  | cggaaatcat  | ggtcatcttg | atcctgttcc  | actcgggagg  | 3571020 |
| cttcagatgt  | ttcaagcatt  | actacaaaga  | atatgtatgc | aaacatctga  | cgcattctct  | 3571080 |
| tcccagacgt  | gtgtcctata  | accgttttgt  | ggaactggaa | aaggaagtcc  | tgttgacgtc  | 3571140 |
| gaccattttc  | atcaaggaag  | tcctgttggg  | tacctgcacc | ggtatcagct  | ttgtggattc  | 3571200 |
| caccccgctg  | cgtgtatgcc  | ggaaccaacg  | catattgatt | cacaagactt  | ttaagggtct  | 3571260 |
| cgccgaacgt  | ggaaaatgct  | ccatgggatg  | gttcttcggg | tttaagcttc  | acctgatcat  | 3571320 |
| caacgataag  | ggtgaaatcc  | tcaatttcat  | gttcaactcc | ggaaatgtgg  | atgaccgtga  | 3571380 |
| accgctgaaa  | cagacaaaag  | tcctgaagaa  | tataaaagg  | aaactctgtg  | cggacaagg   | 3571440 |
| gtatgtcggg  | caaaccctgt  | tcgagaacct  | gttccttaac | ggcatacagt  | tgataaccaa  | 3571500 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| agtgaagaac | aacatgaaga | actccctgat  | gaacgtggcg  | gacaaaatcc  | tgctgagaaa  | 3571560 |
| acgtgctttg | attgaaacag | tcaatgacga  | gttaaagaac  | atcgcccaga  | ttgaacactc  | 3571620 |
| cagacaccgt | tccttcaata | actttattgc  | caactcgctc  | tctgccatag  | ctgcatactg  | 3571680 |
| cttctttgaa | aagaagcccc | ccattgacgt  | ttgttttgtc  | aaagacggac  | aactcacgat  | 3571740 |
| gttttaattt | atttcgaact | cacgttaaga  | taagttttta  | ctccgtcttc  | gtcttcctga  | 3571800 |
| taggctgcac | ttttaacggg | gtattcactg  | aggtttttgg  | ccaaggtatc  | ttgtatagct  | 3571860 |
| tggggcaaat | ctttaattgc | aataggtgtg  | taatcagatg  | caactcaattc | gataggagtt  | 3571920 |
| acgttagttg | tactgggttg | tgcaaatgat  | acagatgttc  | ctaaactcgc  | tactaatgct  | 3571980 |
| attgctacta | aaatcttttt | cataatggtt  | gtttttttata | gttatatacaa | tgttttctgta | 3572040 |
| aatgtaagga | caagcgggtg | gccaaaaaat  | aagtttttcta | taagttattg  | attatctttt  | 3572100 |
| aaatatatac | attttgtttt | tgctgggtgt  | atgatgtatg  | aggaattatt  | cctcgaattt  | 3572160 |
| gtagagctgg | gtatgtgaaa | gacacgaaaa  | atctacagca  | aaaagggttaa | gtgagtgttt  | 3572220 |
| ggtatgggta | gataggaatg | aatgttttct  | gttaaagtta  | attgggaaaa  | gaaggttacg  | 3572280 |
| gcagaggaga | tatacggttt | tttatgtaag  | tttgctgtat  | gataagcaaa  | aaacagataa  | 3572340 |
| tttccgataa | agatttcggg | cagatacatt  | ttacagtcgg  | tcgttcggca  | cgcaatatta  | 3572400 |
| cgatgcgggt | aaaagaagat | ggattgcatg  | ttaccactcc  | tccttaccgg  | agcgtgacgg  | 3572460 |
| ctttactcaa | cgccattgcg | ccttttcgag  | aaaaattgct  | tcattgcttgt | gcggaaatca  | 3572520 |
| agccaaaacc | attcgactta | aactttacga  | tcgaagccga  | atgcttttcgg | ttaaggctgg  | 3572580 |
| aaccttctcc | cttgaaaaat | ttcacgggtga | gtctgaagga  | tgaaactgtc  | gtgatagctt  | 3572640 |
| gtcccgttac | tgccgatttt | acaacgaaga  | gagtacagac  | cctggtgaaa  | aatgctgtaa  | 3572700 |
| tgcgagccat | gaggaagaag | gcagaagaat  | atcttcctcc  | attagtacag  | tactggtccc  | 3572760 |
| gtcagtttga | gctgccttat | cataaggtga  | gtatttcgaa  | agctcgttcc  | cgctggggaa  | 3572820 |
| gctgctcttc | gaagaaagat | atcagtcctgt | cgttttacct  | gatgcttttg  | ccggcacatt  | 3572880 |
| taatggatta | tgttatttta | catgagctag  | cacatacccg  | tgagatgaat  | cacggtccga  | 3572940 |
| ggttttggga | cttattgaat | cggatgaccg  | atggaaaggc  | attgacgttg  | cgcaaggagt  | 3573000 |
| tgcgtacctt | tcggccgggt | ttttaaaagga | gtaatgtata  | aaaaattgct  | tttcgcatg   | 3573060 |
| acaacgaaac | agaaaaggtt | gtatattcgc  | ggcggataag  | gaaagatgcc  | agagtgaccg  | 3573120 |
| aatgggccgg | actcgaaatc | cgggtgaacg  | ctttgtccgt  | tccgtgggtt  | tgaatcccac  | 3573180 |
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| tgtatatgca | gcttgttttc | attccttcgt  | ttttccctga  | ttttcaaaga  | caggaaggag  | 3573300 |
| ttctttgtgc | tatggctttt | cggttgcttt  | atgacttgat  | aaaaaagagg  | ttatcccgtc  | 3573360 |
| ctgatagtgt | ggaaaacctc | ttagtcaaaa  | gcgcttacac  | ttattatttt  | attctgttct  | 3573420 |
| taaattattg | attggattac | tgcgtgctgc  | cttccatatc  | atagaagtgc  | tgagaatcaa  | 3573480 |
| caagattatg | agtactacca | ggatacatcc  | tccgaagata  | tatcctgtga  | ggttgatttt  | 3573540 |
| gaacgcaaac | aattccaata | ggcggttgct  | ggcaaatagt  | gcaaatgcgg  | ttccaatcag  | 3573600 |
| aacagcagga | atggctattt | tcagaatatc  | cttcaagaag  | atgagttgta  | catcctttac  | 3573660 |
| ttgtgctccg | tgaatgatac | ggatagctat  | ttccgaacgt  | cggcggttta  | cttcatcacg  | 3573720 |
| gatatagggt | atcagtccga | taagtgcaat  | taccagaata  | catagtccga  | caaagagtat  | 3573780 |
| actgtttctt | acgtgtaaca | gcatgttgta  | ctgattagcc  | atttccaagt  | cgaggctata  | 3573840 |
| tacttgtttt | tcctggctgg | gcatggtgcg  | gctgactatg  | tcttgatatc  | cctttatttg  | 3573900 |
| ttctggaccc | atttctttca | aacgaatgta  | aagaagatgg  | ttaggatgcg  | tggtgtagaa  | 3573960 |
| catcaccgtt | gggcgatcgt | cgaaatcttc  | cgctacttga  | gaaccagat   | gaatttcttc  | 3574020 |
| gtacacacca | cagatagtat | aaggacgacc  | ttgatgctct  | gtgataaaga  | tttgcttacc  | 3574080 |
| aataggagaa | cctgtccatc | cggcgagttt  | ttccatcttg  | tcgatgaagc  | tacggctcac  | 3574140 |
| cattacttcc | tgactgacac | tatctcccag  | ttcggtggtta | aagcccgttc  | cttccaaaat  | 3574200 |
| ggggatactg | aatactttat | gatagtcggg  | gcctacatca  | tacatatcgg  | caatattcat  | 3574260 |
| gtattcctta | tcgttttgtg | ggtcgtatac  | attgtttccg  | ctgcatttca  | taaacatttc  | 3574320 |
| ctgatatccc | caggttactc | cgtttacatt  | aggaagcctt  | tttagttctt  | gtatgcaacg  | 3574380 |

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|              |             |             |            |            |             |         |
|--------------|-------------|-------------|------------|------------|-------------|---------|
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| tccggtgcga   | taattgggtca | atgcctgata  | ctgaagtccg | ataacggtaa | gcaggcagac  | 3574500 |
| aaagaaaagta  | gtagcatga   | actgtacaaa  | taagagtccc | aacttccatt | gtcgtttgtt  | 3574560 |
| ctccgtatat   | cgacgatagg  | cgtaagtgc   | aggtatgcgt | gtatatatat | agccgggcat  | 3574620 |
| tactccgcaa   | attacagcaa  | cagcaataac  | gaccattagg | cacagcacta | aagctgtggg  | 3574680 |
| agaaaataag   | gctcgcaaac  | tatgtcccat  | ttgttcttgc | agaaaatctt | gcagaccgaa  | 3574740 |
| aacaatgagt   | acggcaagta  | tcagagcaat  | gaagcagtgc | aatgccgatt | ctgccagtat  | 3574800 |
| catacgataa   | atatccttgc  | tttctgctcc  | gtaacagcgg | taagtagcaa | tacttttggc  | 3574860 |
| tcgtttcact   | accgatgaaa  | caaccagtag  | gatatagttc | aggacagcta | ctgccagcat  | 3574920 |
| gataaaggca   | aagatgagga  | atacgaatgt  | catgatacgg | ttgtattccg | aggatagaaa  | 3574980 |
| gatcttgctt   | acaggtttca  | ggttcaggta  | aaactggctg | cccgaacgtt | ccagctcttc  | 3575040 |
| catcggagca   | ttggtgtaca  | gcatgtgctt  | gatgttaggt | tccagcgttt | gcggatctgt  | 3575100 |
| accgggccgc   | aggcggatat  | atccggaata  | acggtcgttc | cccagccaat | tgtttcttcc  | 3575160 |
| gtctcccat    | atttgccaa   | tggtaggcaa  | agctacagca | atatctatct | tcggcaaagt  | 3575220 |
| agtattttct   | gggaaatcct  | caaagactcc  | tactaccgtc | agatgaaaat | ccgggaaaat  | 3575280 |
| tttccaagtc   | agttgtttgc  | ctataatatc  | atttcccagt | actttcagca | gtttggctga  | 3575340 |
| tatataagca   | ttgttggtct  | tttccagttc  | ggtatgaggc | gcttctccca | ttaagatttt  | 3575400 |
| tcgtggaaaag  | acctcgaaaa  | aagaactgtc  | gcacaaataa | gcattacctt | ttatggtacg  | 3575460 |
| ttggtcatcg   | gttgtaaca   | gcagatcttc  | attcaatatg | gtaaaacgag | tggcggcttc  | 3575520 |
| tacttccgga   | caatatcggt  | tgatacccg   | ggcaatagct | cccgatacgg | tgttgtgatt  | 3575580 |
| tttccagtca   | ttacctgat   | gcttataatt  | ttcctgtatg | atataggtat | cttccagatg  | 3575640 |
| gggaataaaag  | ttatcatacg  | accgttcgaa  | aattacttcg | gcaagcatta | ccagtcgcat  | 3575700 |
| agccattccc   | acaccagac   | agagaatttt  | tgtaggtca  | ccttctcctt | ttcggaanaag | 3575760 |
| attctgtagg   | gctcttttca  | tcattcgctt  | ggattgaagt | taaagtaaga | aggcacatcc  | 3575820 |
| agctatatattg | ccggtatacc  | tccttacata  | taaagaaaac | ttaagagaga | ttacattttca | 3575880 |
| ctgataagagg  | atacaatctg  | cccgtcgaac  | agattgatta | cacgtccggc | aaatccggca  | 3575940 |
| tcacgctggc   | tgtgggttac  | cattacgatg  | gtagttcctt | ctttgttcag | ttcggttaagc | 3576000 |
| aactccatta   | cttccagacc  | gttttttagaa | tccaagttac | cggtcggctc | atcggcgagg  | 3576060 |
| atgatttttcg  | gattggaaac  | tacggcacgg  | gcgatggcca | cacgctgctg | ctgacctccg  | 3576120 |
| gagagctgct   | ggggataatg  | tttggcacgg  | tgactgatat | tcatacgcg  | cagcattttcg | 3576180 |
| gttacgcgtt   | ttttacgctc  | ttcagcagaa  | atattcaaat | acgtaagcgg | aagctcgaca  | 3576240 |
| ttctcgaaaa   | cattcagttc  | gtctatcagg  | ttaaagctct | gaaatacgaa | accgatatta  | 3576300 |
| cctttacgta   | cattggtacg  | gtctttctcc  | ttcagatgtc | cgacctcttt | gttgtccaga  | 3576360 |
| taatagtgtc   | ccgaggtggg  | attatccaat  | aagccgagga | tattcagtaa | ggttgatttt  | 3576420 |
| ccacaaccgg   | aaggtcccat  | aatggccacg  | aattcttttt | cattgacttc | caggtttaca  | 3576480 |
| ttgttcaagg   | caattgtttc  | tacttccgtt  | gtacggaatg | tcttgcaaag | gttttcaatc  | 3576540 |
| ttaatcatag   | tgataagtat  | taaattgtta  | ttatattatt | cttttgttta | ttattctgct  | 3576600 |
| tttaagtgtg   | ctgtcggatt  | gctgatggcc  | gttcggtaat | tctgtactgt | aatcgttatc  | 3576660 |
| agtgtgatga   | ggctgatgac  | gatacaggtc  | agaatgaata | cccacggcgt | gatggctatc  | 3576720 |
| cgttcagtaa   | actgttccag  | ccatttagat  | acgatatacc | aggctatcgg | tgtcgcgatg  | 3576780 |
| acggaactga   | ctaccgacag  | cgtaagatat  | gatcgtccga | acatccagag | aatctgacgg  | 3576840 |
| gtataggctc   | catatacctt  | tcggataaccg | atttcttttc | ggcgtgtttc | tgcttcgaag  | 3576900 |
| ataaccagtc   | caaagactcc  | taccagtga   | atcagaatgg | caagcagact | ggacagcgta  | 3576960 |
| atcaactgtt   | gctgatcggc  | ttctttctgg  | tagagctgac | tatatacttg | gtcatagaat  | 3577020 |
| tttatatcga   | cgggataacc  | gacaaaacat  | ttggcaatgg | tttgacggat | gtgcttcaag  | 3577080 |
| gctgtttcca   | tattgcttcc  | ggcttttaca  | cgaatgtagg | caaaaggcag | gatatcgctg  | 3577140 |
| ccgtattttcc  | cgtttgaca   | gaatatatag  | ggaagtgtct | cagaacggag | cgaggttaat  | 3577200 |
| tgtacgttgt   | tgacgtagcc  | ttttagtcgc  | gcattcacac | cccagacgaa | gaagtccagt  | 3577260 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| atttcaccgg | ccggaatgcc | ggtttgttgc  | tgtaagtctt  | gtgtggcaat  | aaagttcaga  | 3577320 |
| tcactgtgat | agatggagtc | gctggggagg  | aaatcttctc  | ccgatacaat  | ttttaagccc  | 3577380 |
| attaccttac | agaagtttgt | cgtgacatcg  | atgtagtaat  | gtccgtgcac  | ttctccttta  | 3577440 |
| tataagaagg | catattgagt | atatccgcct  | cctccgccca  | gacttgattt  | agcataggcg  | 3577500 |
| atatcatcta | ttcctgcaaa | acttttttagg | gcatttgtaa  | agttgcggta  | ttcggaactt  | 3577560 |
| tgataaggca | tttgtgggag | agaagcaacc  | agtatctggt  | ctttgtcaat  | gcctgatgta  | 3577620 |
| taattttgca | tatagcggtt | ttgcagaaaa  | atgaatccgg  | cagttacaat  | cagcacaaat  | 3577680 |
| gaaatgatgt | attggaaacc | gataagtgc   | atgcggagcc  | gtttgcctct  | tccgcttagc  | 3577740 |
| gcatagtcc  | ctttcagcac | gagggcagga  | gagaacgaag  | tcatgtacca  | tgacggatag  | 3577800 |
| agtccggcaa | tgatacctgt | taccagtgc   | atgattccgg  | tatacccgat  | gatgtgccag  | 3577860 |
| taggtaatat | gtgaaggggt | gaatcccata  | aaagacaatg  | ccttcaggcg  | tatgagtatt  | 3577920 |
| tcgacaatgc | ccagtgtac  | gagccagctt  | atcaggacgg  | taccgacaga  | ttctgttaat  | 3577980 |
| aaggcacggc | gtagtccca  | gttgcctgtg  | cccaatactt  | tttgtgtatt  | gatactgcgt  | 3578040 |
| atgcgaaccg | gagctaaggc | tgtactgaag  | ttgatcaggt  | tgatgcaggc  | gataatgata  | 3578100 |
| atcagtaatc | cgatacttac | aatcaatacc  | attgtactac  | gggtccctgt  | cttgaggtaa  | 3578160 |
| taggatgccg | acatatcgta | ataaagcttc  | ttgatgggga  | atacgtagag  | tcgttgattt  | 3578220 |
| cctttgtcta | caatattcag | tcgcttgttg  | gcgccgctgg  | cttctatttg  | ctggttgata  | 3578280 |
| tcggctgcac | taactcccgg | tttcaaccgg  | aaaaaggcaa  | aatagtctctg | gcttgcccag  | 3578340 |
| tcactttttt | ggtaatcact | catccggatg  | aacatatcat  | ttttaaaactg | gcagttctca  | 3578400 |
| gggaggtctt | taaagatacc | acatatctctg | aacttatcta  | ttccctttac  | cagcccattg  | 3578460 |
| tcgccttccg | tatagagata | ggagcccagg  | gcgttgccctt | tagggaaaag  | tttgcgggca  | 3578520 |
| tagctttccg | aaataatgat | actttcaggt  | ttattcatgt  | ccttgtcact  | gccttctacg  | 3578580 |
| aactgcaatc | cgataacttt | tgcgaaatcg  | gggtatacgg  | cccacgggggt | ttcatagaaa  | 3578640 |
| tattgcggac | tttcaggatt | ggtgcagaat  | gcctgtttct  | gccagcaggg  | agcatagata  | 3578700 |
| gtcccgtatt | caatgccggg | tatctgctcg  | atgaggaaat  | caatcgggtcc | tcgtggaaga  | 3578760 |
| gccatgatgg | agttatcttt | ctcttctccc  | aaatttagtc  | cgaccaggcg  | gtcgggggtg  | 3578820 |
| ggataacaag | tatcgaagct | atattcgtaa  | cttgctttca  | tcataatcag  | tatgaaagcc  | 3578880 |
| gcaaaggcag | tcgacagtcc | taataagttg  | agtacggaag  | ctgtccgaaa  | gcgcttgagt  | 3578940 |
| gtatagaaca | ggttacgtag | tattgttttc  | ataatgttgt  | aatgtttatt  | ctgtctttta  | 3579000 |
| gttttttata | gggttttcgc | gagtagcatt  | ccggctgata  | agataaacag  | aaccgagcga  | 3579060 |
| tatggcagtt | acggtaataa | aggcgatgat  | tccgctcaac  | cagggcatgg  | tactttgata  | 3579120 |
| atgggttatc | cggttgattt | gcatgatgcc  | gatgtaggct  | agcgggaagtg | caattataat  | 3579180 |
| actgataacc | aaagaactga | atgcgaattg  | tatcagtcgc  | ttcatttctt  | gtctgctgct  | 3579240 |
| cgatccaaat | actttacgga | tagccatatc  | gcgtttgcgt  | tgtgctatga  | aatatagact  | 3579300 |
| catggcagtt | agcccagaca | aagaaatcag  | cagggcggca  | ccggtaaaga  | ttcctatcgt  | 3579360 |
| atgctgtaaa | ttggtcaggt | ctttgtatat  | cgcttttacc  | tgattgtgat  | accattccga  | 3579420 |
| ctcgaatggg | atcccttcta | ttgtttctga  | atatagcttg  | tcgagctctt  | ttttatagta  | 3579480 |
| ggttagctcg | ttgccagtta | cttctatcag  | aatattccac  | ggatagatac  | tgtccggatg  | 3579540 |
| catgatggat | agcatggtcg | ggtattgggt  | atccagtatg  | gaaccggact  | tgatatcctt  | 3579600 |
| gaatgttcct | gctacaggat | aatgcatgct  | tcccatctgg  | ggactgcttc  | ttagataatc  | 3579660 |
| tgcgtcatgg | ctgagacca  | aggcattgaa  | tacgctgtcg  | gaaaagaaat  | aggctcgtttc | 3579720 |
| ttccgtaacc | ggtagatggg | tgtttatgat  | gttcagatga  | aacagatgga  | tgaatgttga  | 3579780 |
| atcggctgtc | agatgtctcc | atcgtatgtt  | ttgtatttct  | tcttttccgt  | tatatatctg  | 3579840 |
| tacggcattg | ttttctccct | gaaggtcggc  | gggagttcct  | tgtgtgaaac  | ataccttgct  | 3579900 |
| tacaaatggc | agtgtgcggg | ctttatcgcg  | gaatgtctgc  | aacttctgtt  | tattgaccag  | 3579960 |
| tgccggatag | ttgaggatat | tgccgtaact  | gtatcccagc  | ggctcatgta  | agatattata  | 3580020 |
| tagttggata | cttaaataga | ttgcacacgt  | cagcatggca  | agagtaagac  | tgctttgaat  | 3580080 |
| gatgtataat | ccgcgtaaat | aaacgacttt  | tgtcttgcgt  | cggaaattac  | cttttactat  | 3580140 |

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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
| atccagcgga  | ttatatcgtg  | agagcagggt  | tgccggaaca  | aagcctgcaa  | ggagagagag | 3580200 |
| caggaggata  | ccggccagat  | aatgctcag   | agtaagaata  | tttaaactgc  | cagtcaggtc | 3580260 |
| aagggttca   | tgtaacaagc  | ccgaagcaaa  | tggtctcaaca | gctcttgcca  | gtagaaaggc | 3580320 |
| gaggagaaaa  | gcgctaata   | tgagcaagaa  | agattctgca  | atcatatgcc  | agaagatata | 3580380 |
| ggggcgtgaa  | gaaccagca   | gtcttcgggt  | agccatttct  | ttggcacgat  | agctgggttg | 3580440 |
| ggctacgctc  | atactgat    | aattgaagac  | tgccatcagc  | agaatgagta  | ttcctacgca | 3580500 |
| gatgaagatt  | actactttt   | taaaactgta  | ttgcaggaag  | gtaccattcg  | atggaatttc | 3580560 |
| actgaaatga  | aaatcgtgca  | tggataccca  | ttttacttcc  | ttcatatagc  | caagcgcata | 3580620 |
| tatccagtaa  | tacttcttca  | aataatcgag  | catttgtgca  | gctttatcat  | tggaattagt | 3580680 |
| tccttcgtgg  | aagcgggcaa  | aaacagttgc  | acctccggca  | ttgttcatgt  | tgcgttcatg | 3580740 |
| catactgcta  | cttttgcga   | tatagtcgat  | gaaatcgat   | gggacaatcg  | cttctatata | 3580800 |
| actgggaaat  | agtgaattgt  | cgatgttttt  | cataatacct  | gttacgggat  | atgtttcttg | 3580860 |
| gctattggcg  | gatagtcgga  | gagcctttcc  | gatagctggt  | tcattgccaa  | aaagttttct | 3580920 |
| cggcccggtt  | tcggttagaa  | caatgctgtt  | tttgtctgtt  | aaaacctggg  | cgggacgtcc | 3580980 |
| tgatagtaat  | ttgaaataaa  | agaactgaaa  | gaaattgttg  | cgggatgcc   | aaatctttta | 3581040 |
| ttttactttt  | ctggtttctt  | gtaagacgta  | gataccggta  | tatgccaaat  | tgctaacggc | 3581100 |
| acaccagtct  | tctatttccg  | gatattgggt  | acttagtatt  | tctcctacca  | gataatgtga | 3581160 |
| gccgatgtat  | tgttcattgc  | caaatgcata  | aatacagaaa  | gcatggggct  | gctctttgtc | 3581220 |
| tatactcagt  | tgtcggctta  | ccatgttggc  | tattaacaac  | acgaacatta  | gtgaaatgct | 3581280 |
| tagtcctccc  | atattcacia  | gtgtgaacat  | cttgttctta  | ttgagaaaag  | taaaatatgt | 3581340 |
| tttgagtcct  | ttcatctgtt  | tattaatggg  | ttgttcgggt  | ataatatagc  | aaagtgcgtg | 3581400 |
| ccattgttgc  | aataatattga | taatcaggct  | gtatgtaaaa  | taataacttag | ctggagggtg | 3581460 |
| ctaataattt  | gacacatggt  | gtatgatttt  | tagacacttt  | aataaataaa  | ttagccgttt | 3581520 |
| ttgcccttca  | cgcccttcac  | atgaatggcg  | ttcgggtgat  | atcatgacaa  | atgaatatct | 3581580 |
| ggaatttatc  | atgtcgcgat  | gaaaatatta  | atagtcgtta  | gaggggttgt  | tatctcagat | 3581640 |
| aagagcagtg  | acgatattat  | cggtgaaggg  | tgtgaagggc  | aaaaacaggt  | gtttttctct | 3581700 |
| ttaaaagggtg | cctgaactgg  | tagaaacagc  | ccttcacagt  | cctgttgagg  | tatgtttgtt | 3581760 |
| tttgctcctt  | tctcggattt  | cgtaatagtt  | ccggcgagaa  | gagggggctt  | tttccctttt | 3581820 |
| tcgcataaaa  | tttcatcatt  | tttctgttcc  | ggaccgtact  | attacgcggg  | gtctcgaaaa | 3581880 |
| atttctttcg  | tatttccctt  | ggcttttccc  | gttactatct  | catgtttttg  | tacaaaactt | 3581940 |
| tcaggaattt  | gtacaaaaca  | aaatattttt  | tgtacaaaaa  | ccggagaaaa  | ttccggcatg | 3582000 |
| ttttttcagc  | attttcggga  | tctttttatg  | cggattgcgg  | atttttttgc  | ttttttctct | 3582060 |
| tgacttttcc  | ggtggaaaaa  | tccgtttttt  | tttaaactcg  | accgtccgtc  | aatgacagaa | 3582120 |
| tttattccta  | tcggccgat   | atctttcatg  | cttttttcgg  | atgattcgat  | aaatttttct | 3582180 |
| gcttcttttc  | ccgtgcattt  | ctgtattttt  | ccttcgcctt  | acgaaaaatc  | tgctgctttt | 3582240 |
| tccatccgga  | tcatccgttt  | tctgagattt  | tttcgcttcg  | tcggaataat  | ttttcttgcc | 3582300 |
| ttttcccag   | cgaaactgag  | aaatttttct  | gcccgtttcg  | atattttttg  | cgcttctcct | 3582360 |
| gaattttttc  | aaaagaaaaa  | tccgcttttt  | tcagcatgaa  | tttcccttgc  | ggatgatcca | 3582420 |
| tttttccctt  | cctcggggag  | tatttccgga  | tttttttcgt  | gtcatccgat  | aaagaattcc | 3582480 |
| atccttccag  | aggtattttc  | cgctccatcc  | ggcaggaatt  | ttcaccgttc  | cggatctttt | 3582540 |
| tcgcacgaac  | cagactcgcg  | cgcacctgca  | cgcgcgtaat  | aatatattga  | gtacccttcc | 3582600 |
| cggctccctt  | tcccttattc  | cggaaaacct  | gccgtaaaac  | atacctgaaa  | cacagcattt | 3582660 |
| tatgaatttt  | cttgcaaaaa  | aaattgaaaa  | aaagtgtggg  | taaaagtgtg  | agaaagcgaa | 3582720 |
| aaagtgcgta  | attttgcacc  | cgcttttcgag | agggaaagac  | ggtgaagaga  | tgacaatctg | 3582780 |
| aaaggaaacg  | gagcaggaag  | cagcggttct  | gaggcgggtc  | aagtatctta  | ccttaacggc | 3582840 |
| gttaaggagg  | cgagaacggc  | agccggacgg  | agtcaacttc  | cgccgctaaa  | aaaacttttt | 3582900 |
| gaaaaaaaact | ttcgaaaaag  | tttggcgggt  | tcgaaaaaag  | ctcctaactt  | tgcaaacgct | 3582960 |
| ttcgacaacg  | aacggaagcc  | acaaaaaaag  | gaaatagttc  | tttgaaagac  | tttagataaa | 3583020 |



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|             |            |            |            |            |            |         |
|-------------|------------|------------|------------|------------|------------|---------|
| caaacgaaga  | tgtagtacaa | gaagtagctg | tcatatataa | taatgtatat | gcggtgaaaa | 3583080 |
| agaaaagaacc | gtcaatat   | gaacaaagta | aagacattcg | gttacctgaa | cagagacaaa | 3583140 |
| agtactcgca  | agagtaaaaa | gatattttac | aatgaagagt | ttgatcctgg | ctcaggatga | 3583200 |
| acgctagcta  | caggcttaac | acatgcaagt | cgaggggag  | catgaactta | gcttgctaag | 3583260 |
| tttgatggcg  | accggcgac  | gggtgagtaa | cacgtatcca | acctcccgct | tactcaggaa | 3583320 |
| tagcctttcg  | aaagaaagat | taatgcctga | tggtatctta | agcacacatg | taattaagat | 3583380 |
| taaagattta  | tcggtaaagc | atggggatgc | gttccattag | gtagtaggcg | gggtaacggc | 3583440 |
| ccacctagcc  | gacgatggat | aggggttctg | agaggaaggt | ccccacatt  | ggaactgaga | 3583500 |
| cacggtccaa  | actcctacgg | gaggcagcag | tgaggaatat | tggtcaatgg | gcgcgagcct | 3583560 |
| gaaccagcca  | agtagcgtga | aggatgaagg | tcctatggat | tgtaaacttc | ttttatacgg | 3583620 |
| gaataaagt   | gtccacgtgt | gggcctttgc | atgtaccgta | tgaataagca | tcggctaact | 3583680 |
| ccgtgccagc  | agccgcggta | atacggagga | tgcgagcggt | atccggattt | attgggttta | 3583740 |
| aagggagcgc  | agacggggga | ttaagtcagt | tgtgaaagtt | tgcggtcaa  | ccgtaaaatt | 3583800 |
| gcagttgata  | ctggttccct | tgagtgcagt | tgaggcaggc | ggaattcgtg | gtgtagcggg | 3583860 |
| gaaatgcata  | gatatcacga | agaaccccga | ttgcgaaggc | agcctgctaa | gctgtaactg | 3583920 |
| acgttgaggc  | tcgaaagtgt | gggtatcaaa | caggattaga | taccctggta | gtccacacgg | 3583980 |
| taaacgatgg  | atactcgctg | ttggcgatat | actgtcagcg | gccaagcgaa | agcattaagt | 3584040 |
| atcccacctg  | gggagtacgc | cggcaacggg | gaaactcaaa | ggaattgacg | ggggcccgcg | 3584100 |
| caagcggagg  | aacatgtggg | ttaattcgat | gatacgcgag | gaaccttacc | cgggcttaaa | 3584160 |
| ttgcagacga  | attacttggg | aacaggtaag | ccgcaaggcg | tctgtgaagg | tgctgcatgg | 3584220 |
| ttgtcgtcag  | ctcgtgccgt | gaggtgtcgg | cttaagtgcc | ataacgagcg | caaccctcgt | 3584280 |
| ggccagttac  | tagcaggtaa | cgctgaggac | tctggccaga | ctgccatcgt | aagatgagcg | 3584340 |
| gaaggtgggg  | atgacgtcaa | atcagcacgg | cccttacgtc | cggggctaca | cacgtgttac | 3584400 |
| aatgggaggt  | acagaaggca | gctacccggc | gacgggatgc | caatctccaa | agcctctctc | 3584460 |
| agttcggact  | ggagtctgca | acccgactcc | acgaagctgg | attcgctagt | aatcgcgcat | 3584520 |
| cagccacggc  | gcggtgaata | cgttcccggg | ccttgtacac | accgcccgtc | aagccatgaa | 3584580 |
| agccgggag   | acctgaagt  | cgtaaccgca | aggagcgccc | tagggtaaaa | ccggtaat   | 3584640 |
| gggctaagtc  | gtaacaaggt | agccgtaccg | gaaggtgcgg | ctggaacacc | tcctttctgg | 3584700 |
| agcgtgaccg  | agtgaaggct | ctttcgggtc | tgtgctgcat | gcgagtttgt | ttaacgaaat | 3584760 |
| aaagagagaa  | agatgaagcc | gagtcaggaa | acagacgagg | ttgaactgaa | tcacgcaagc | 3584820 |
| tagtcctata  | gctcagttgg | ttagagcgct | acactgataa | tgtagaggtc | ggcagttcaa | 3584880 |
| ctctgcctgg  | gactacctcg | aggaaaggga | gcgaagaaaa | aacttcctta | aaaatttgct | 3584940 |
| caagcgaaa   | taaatgctta | cctttgcagc | cgcaaaaaaa | cgggggatta | gctcagctgg | 3585000 |
| ctagagcacc  | tgctttgcac | gcaggggggc | aacggttcga | atccgttatt | ctccactata | 3585060 |
| gaaaaatagg  | tctatgacat | gatgtaacaa | gcaaaaagta | attttagtac | gaaagctaaa | 3585120 |
| agtatatatc  | atcccgcact | gttgaaaaat | ggtgtgaacg | ataaggaaag | taaagaagg  | 3585180 |
| cgcatggcgg  | atgccttggc | tctcggaggc | gatgaaggac | gtgataagct | gcgataagtc | 3585240 |
| acggggaggt  | gcaaataacc | cctgatccgt | gaatctccga | atgggacaac | ccaatacctt | 3585300 |
| gaagaggat   | taccttacac | agtaaggggc | taacgcaggg | aactgaaaca | tcttagtacc | 3585360 |
| tgaggaaaa   | gaaaataaca | atgattcccc | cagtagtggc | gagcgaacgg | ggaagagcct | 3585420 |
| aaaccaccgg  | tggtacggca | caggtggggg | tgtaggaccg | cgtcggttgc | agaaatcttg | 3585480 |
| cgagaagaac  | gatctggaaa | gttcggccga | agacggtgac | agcccggtat | tcgaagcaag | 3585540 |
| acgaagcata  | gcggtatcct | gagtagcgcg | gaacacgagg | aattctgcgt | gaatctgccg | 3585600 |
| ggaccatccg  | gcaaggctaa | atactcccga | gagaccgata | gtggaccagt | accgtgagg  | 3585660 |
| aaaggtgaaa  | agcacttcga | acagaagagt | gaaatagtag | ctgaaaccgt | gcgcctacaa | 3585720 |
| gcggtcggag  | ctcctaaccg | agtgacggcg | tgccctttgc | ataatgaacc | tacgagttgc | 3585780 |
| cgctcgttgg  | aagggttaag | gacacgagtc | ccgcagccga | agcgaaagcg | agtctgaaca | 3585840 |
| gggcgtcgag  | tcagcggcgg | cagacgcgaa | accaagtgat | ctacccttgg | ccaggatgaa | 3585900 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gtctgggtaa  | caccagatgg  | aggtccgcac  | caataagcgt  | tgaaaagctt  | ctggatgagc  | 3585960 |
| tgagggtagg  | ggtgaaaggc  | taatcaaact  | tgagatagc   | tcgtactccc  | cgaaatgcat  | 3586020 |
| ttagggtgag  | cctcgtggat  | tactgatgtg  | aggtagagcg  | actgattgga  | tgcgagggct  | 3586080 |
| tcaccgccta  | tcaagtcctg  | acaaactccg  | aatgcgcac   | agttttaccc  | cgggagttag  | 3586140 |
| ggcatgggtg  | ctaaggtccg  | tgcccgagag  | gagaagaatc  | cggaccaccg  | gctaagggtcc | 3586200 |
| cgaaatgaca  | gctaagttaa  | actaacgaag  | tctgattgct  | aagacagcta  | ggatgttggc  | 3586260 |
| ttggaagcag  | ccattcattt  | aaagagtgcg  | taacagctca  | ctagtcgagg  | aatcgggcat  | 3586320 |
| ggataataat  | cgggtataag  | ttgtctaccg  | aagccgtgga  | accagcaatg  | gttggtaggg  | 3586380 |
| gagcattcca  | ttcggcgctc  | aaggcgtacc  | gcgagggtact | ctggagcgta  | tggaagagca  | 3586440 |
| aatgtaggta  | taagtaacga  | taaagggggg  | gagaaacccc  | ctcgccgaaa  | gactaagggtt | 3586500 |
| tcctgatcaa  | cgctaactcg  | atcagggtca  | gtcgggtcct  | aaggctcagc  | cgaacggcga  | 3586560 |
| ggccgatggc  | agaaacgggt  | aatattccgt  | tactaccttg  | gaggggtgac  | tggaagagca  | 3586620 |
| gaagtgcac   | tgccgcgggc  | tgacggaata  | gcccggttaa  | gagtgtagg   | gctgattccc  | 3586680 |
| gcaggcaaat  | ccgcgggaag  | agccgaactt  | gacagtatgg  | agcgtcctcc  | gggacaatcc  | 3586740 |
| aacagcgag   | gtaagcagac  | tgccgagaaa  | atccgctaaa  | cataacttcc  | atggtaccgc  | 3586800 |
| taccgcaaac  | ggacacacgt  | agtcgggttg  | aatatactaa  | ggcgcttgag  | tgaatcacgg  | 3586860 |
| ttaaggaact  | aggcaactg   | accctgtaac  | ttcgggataa  | agggtcctc   | ctcgcaagag  | 3586920 |
| agggcgcaga  | gaatagggtc  | aggcaactgt  | ttaacaaaaa  | cacagggtcg  | tgcaaatatg  | 3586980 |
| aaagtagaag  | tatacagcct  | gacacctgcc  | cgggtgctgga | aggttaagag  | gagatgtcat  | 3587040 |
| cgcaagagaa  | gcattgaatt  | gaagccccag  | taaacggcgg  | ccgtaactat  | aacggtccta  | 3587100 |
| aggtagcgaa  | attccttgct  | gggtaagttc  | cgacctgcac  | gaatggtgta  | atgatccgga  | 3587160 |
| cgctgtctca  | accgtgagct  | cagtgaattt  | gtagtatcgg  | tgaagatgcc  | gattaccgcg  | 3587220 |
| gatgggacga  | aaagacccc   | tgaaccttta  | ctatagctta  | gcattgaatt  | tgggcacgcg  | 3587280 |
| atgtgtagga  | taggtcggag  | gcaatgaagc  | aggcacgcc   | gtgtttgtgg  | agccgctgtt  | 3587340 |
| gaaatacagc  | cctttgtttg  | tttgaattct  | aactcccggg  | tggaggacat  | tgcttggtgg  | 3587400 |
| gtagtttgac  | tgggtgtgtc  | gcctccaaaa  | gcgtaacgga  | ggcttctaaa  | ggtgccctca  | 3587460 |
| ggacgatcgg  | taaccgtccg  | cagagtgtaa  | tggcaaaagg  | gcgcttgact  | gggagacaga  | 3587520 |
| caggtcgagc  | aggtaggaaa  | ctagagcata  | gtgatccggt  | gtttccgtat  | ggaagggaca  | 3587580 |
| tcgctcaaa   | gataaaagg   | actccgggga  | taacaggctg  | atccctccca  | agagctcata  | 3587640 |
| tcgacggagt  | ggtttggcac  | ctcgatgtcg  | gctcgtcaca  | tcctggggct  | ggagaagggtc | 3587700 |
| ccaaggggtg  | ggctgttcgc  | ccattaaagt  | ggcacgcgag  | ctgggttcag  | aacgtcgtga  | 3587760 |
| gacagttcgg  | tctctatcta  | tcgtgggcgt  | atgaaatttg  | cgtggctctg  | acactagtag  | 3587820 |
| gagaggaccg  | tggtggaccg  | acctctggtt  | taccggttgt  | gccgccagg   | gcacgcggcg  | 3587880 |
| gtatctaagt  | cgggatcgga  | taagtgtgta  | aagcatctaa  | gtacgaagcc  | ggccacaaga  | 3587940 |
| ttagatttct  | caggtctgtc  | aaagacgatg  | acgttgatag  | gatgcagggtg | taaagggtga  | 3588000 |
| gacaccaaag  | ccgagcatta  | ctaattgcc   | gttcactttc  | cttgaaataa  | ggatggatga  | 3588060 |
| tatatacttt  | cagctttgaa  | acaagtgtcg  | gaattgcttg  | cttgtgagtc  | atgaatacat  | 3588120 |
| aaaacgat    | tcaggtgact  | atggcacgaa  | ggttcacact  | cttcccattc  | cgaacagaga  | 3588180 |
| agttaagctt  | cgtcacgccg  | atggtactgc  | gcaagtggga  | gagtaggtag  | tcgccgtctt  | 3588240 |
| gaagagggtc  | tgacgaacg   | acgctgcggg  | accttttttt  | atgcccgag   | gcgacgggga  | 3588300 |
| actccgacgc  | tggagtgcgg  | gtactctttt  | cttttttctt  | tgtaccggat  | aagtcggctt  | 3588360 |
| caggcatgcg  | cccggcaggc  | tgagttttct  | tttgcgtgag  | aattcctgta  | accagggtac  | 3588420 |
| agcctggggg  | attcttgctc  | gggcatagat  | tctagtcagc  | cgggactgga  | agaaacaggg  | 3588480 |
| ttttgtccgt  | gcccgaattga | acaatctgat  | agaatttgtt  | tcttggaatc  | ttttttgtgc  | 3588540 |
| ctgcttgtgg  | cggaaactac  | cgggtggctgg | agtgcggaca  | agtcggcttt  | aggcgtgcgc  | 3588600 |
| tcgctagcat  | gacttttcat  | ttgggtgaga  | attcctgtaa  | ccagggtaca  | gcctggggga  | 3588660 |
| ttcttggtcg  | ggcataaatt  | ctagccagtc  | tggaacaggaa | gaaacagggt  | tttgtccgtg  | 3588720 |
| cccgaattgaa | caatttgga   | ggatgcaggt  | ttctggtagg  | gagataaaa   | attattgaat  | 3588780 |

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|             |             |             |            |            |             |         |
|-------------|-------------|-------------|------------|------------|-------------|---------|
| atTTTTtct   | acttttgaac  | aacatataat  | tcttattgat | tatggataca | atcatttcctt | 3588840 |
| atgcactctt  | gtgttttact  | tcgttcttta  | cactgacgaa | tccgttgga  | acgatgcctg  | 3588900 |
| tatttctgac  | gatgacaaac  | ggcctagatg  | agaaggagcg | tcgtcacatc | gtaaaaagag  | 3588960 |
| cgacaattat  | ttctttcatt  | attctgattg  | catttacctt | ctgtggacaa | ttcctgttta  | 3589020 |
| aattctttgg  | aatatctacg  | aatggtttcc  | gtattgcggc | gggtatcatt | atcctgaaaa  | 3589080 |
| tcggttatga  | tatgcttcag  | gcacgttata  | ccaatacgaa | actgaaagat | gaagaaataa  | 3589140 |
| agacttatgc  | ggatgatata  | tccattacac  | cgttgtctat | tccgatgttg | tgtggtcctg  | 3589200 |
| gtgctattgc  | caatgggtatt | atTTTgatgg  | atgatgcgac | tacatgggag | ctgaagacca  | 3589260 |
| cactggctgc  | agtgattgct  | gtggtatacg  | ttctaacctt | tattattttg | cgcttatcga  | 3589320 |
| ctcgtttgg   | tgatgtaata  | ggggaaactg  | gtaataatgt | gatgatgcgt | ctgatgggcc  | 3589380 |
| ttattttgat  | ggttatcgcg  | gtggaatgtt  | ttgtagggtg | tatgaaacct | attcttatcg  | 3589440 |
| atatcattca  | gtccagtcac  | taaacgtaga  | gtcgtttgtt | ctgatataaa | tattaatcag  | 3589500 |
| aaagctgttc  | aaaattcatt  | tttagatagg  | ttactaaaat | ctgaagtttg | aatattattc  | 3589560 |
| ttaaaggtaa  | aaaaggaaga  | gtcgtatcat  | tactcaaaaa | tggagtttga | tacgactctt  | 3589620 |
| ctttttttat  | ggacagtcac  | tgtttgcgac  | ttttcgaagt | agcgttttct | gtacgggaac  | 3589680 |
| tatgatgttt  | atgtcttttt  | aggacctagt  | acattttatt | cttccagaat | tggagagtcc  | 3589740 |
| cagccttaac  | cagatcggtg  | tggtttatac  | gatagccaca | cttcttgtca | cccatcttga  | 3589800 |
| ctgtttctat  | gtactctgag  | tcactttccg  | gattcatcgt | ttcgatgacc | aactgatctt  | 3589860 |
| ttccataata  | tttaggatcg  | agcttgatag  | tgatcttgtc | gaatgtcgga | gtagtaagcg  | 3589920 |
| tatattcagg  | tactcccgga  | cagtcaggat  | agaatcccat | catgctgaag | atagcccacg  | 3589980 |
| ttgacatggt  | tccggtgtcg  | tcatttcccg  | gtattccggt | cggctgagtt | gtgaaatact  | 3590040 |
| tggctagtaa  | ttcttttacc  | agtttctgtg  | tacgccattc | ttcccctttg | aagtaactga  | 3590100 |
| acaagtaagg  | ataagcgata  | tcaggttcat  | tggccggatc | ataataacct | ttgtcgaata  | 3590160 |
| ccattttgtaa | tttgtcgaca  | aatgctttct  | ttccacccat | cagtttggca | agtcctgcaa  | 3590220 |
| tatcgtgagg  | tacatagaag  | gtataattcc  | atgcatttcc | ttcgtggaat | cccggacttg  | 3590280 |
| gttcgaagt   | ttcaccttgt  | ttcggatcga  | acggagaata | gaatttaccg | tcgggcagaa  | 3590340 |
| tcggacgaag  | cgtaccaa    | tccttgcat   | aatagttctt | gtatcccata | gaacgtttat  | 3590400 |
| agaacaactt  | ggcatcctct  | ttcttgcta   | aggctttggc | aagcgtataa | agtgagtagt  | 3590460 |
| cagcgatata  | atattccagt  | gcatgtgata  | ccgaattatc | gtattgctct | ctcaagggga  | 3590520 |
| cgtagcccag  | gttcatgtaa  | tcatcgttgt  | ccggacgcat | taaattgtcc | ttaccgggca  | 3590580 |
| agggtgccga  | ttgtacatc   | gcttcataag  | ccaggttgat | atcgaaatcg | cgcaatcctt  | 3590640 |
| tcatccatgt  | atctacaatg  | acaggaagac  | tcggatcacc | ttccattgtc | aatgtttcgc  | 3590700 |
| gtccatagag  | ttcccatttc  | ggcaaccatc  | cgtgttcgcg | atacatatcc | agcattgtat  | 3590760 |
| tgaccatata  | catctgtcgt  | tcgggatata  | ccagtgtcat | caactgatgc | aggttacggt  | 3590820 |
| aagtatccca  | taaagaaaat  | accgtataac  | gattcccttt | tgttgtcaga | atcttgtcac  | 3590880 |
| cttccatctg  | cggatattct  | ccgtttacgt  | cctgcaaggt | attgggatga | atcaacgcat  | 3590940 |
| gatagagccc  | cgtatagaat  | accgttttct  | ggtccttact | tccaccttct | accatgattc  | 3591000 |
| ttcccagatc  | atcgtttccag | cgctggcgag  | cctcctgctg | gatagcagca | aagtgtcttc  | 3591060 |
| cagactgttc  | cttgtcgaga  | ttttctctgg  | cattctttat | gctgacaaac | gatactccca  | 3591120 |
| tggcaacttc  | aatctgttcc  | ccttctctctg | tatcgaaaga | gaaccaggca | ccgatgtcat  | 3591180 |
| cacctgcgat  | atctttgtta  | tattgtgtat  | acaatttgta | ttttccctga | tccttgtccc  | 3591240 |
| attcagcctc  | tacgccagac  | atcggacgct  | gttttttcca | gtagccggta | gcttttaggtg | 3591300 |
| ttttattgac  | acgcattaca  | aaatataatc  | ggaagacagc | ctgcgggtta | tagcagaatg  | 3591360 |
| ttcccagcag  | tttcataacct | tccacttcac  | aatcgcttac | gcggcgcata | aacgctcctg  | 3591420 |
| tttcgttgg   | caatccttct  | cctaaattca  | ggaggatatt | gctttctccc | ttgggaaatg  | 3591480 |
| taaagcgtga  | taaccccgtg  | cgtggtgtgg  | cagtcgcttc | ggccaagata | ttatatttag  | 3591540 |
| tcagtgaatg  | ggtataatat  | cccggagtag  | cattttcttt | ctcatattta | cttccgtagt  | 3591600 |
| tgtgatagtc  | gacatccagt  | tttccggtag  | taggcacatc | cagtagagaa | cctagtccg   | 3591660 |

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|             |             |             |             |             |            |         |
|-------------|-------------|-------------|-------------|-------------|------------|---------|
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| cataaggagt  | agaccaccag  | cgtgcgtctt  | tgctgtat    | gttgtcttcc  | gatccatta  | 3591780 |
| cattgaatgg  | aacgaccgac  | atcatgccgt  | taggacagat  | agcgcccggg  | ttacagggtc | 3591840 |
| cgaagtttgt  | cgttccgata  | aatggattca  | catagtcggc  | cggttcctgt  | gcatgcaatg | 3591900 |
| ttcctaaggc  | aaaaaagcta  | gccatgcaga  | ttaacagttg  | tttcataaga  | atgatattag | 3591960 |
| ataaataaaa  | acagaaaaag  | gctgtacca   | taactccagc  | aagttattcg  | atacagccca | 3592020 |
| aaaggttact  | ttatgtagga  | atacctatga  | aaaaatttca  | agggcatcag  | ataatcgaag | 3592080 |
| tacgttttac  | ataatcgata  | atctcagaaa  | catatccgaa  | agccatacct  | actactgtat | 3592140 |
| cagcagcacc  | gtaatatagc  | gcaacgcgtt  | ctccgtcctg  | caaagcagcg  | cacgggaata | 3592200 |
| ctacattggg  | cacatctccc  | tgcaattcat  | acgggtgcggc | agggcccagg  | atataatcac | 3592260 |
| gggtgcggta  | caatactttt  | tccggattat  | ccttgctcag  | gatagcggca  | cccattgaat | 3592320 |
| aacggaatcc  | gttgcaagta  | gtaattactc  | cgtgatagaa  | catcaaccat  | ccagcttcgg | 3592380 |
| tcaggaaagg  | aacagaaccc  | gctccgattt  | ttgtacactg  | ccatgcactt  | tcggggaacg | 3592440 |
| gagttacttt  | cattacacaa  | cgatgttcac  | cccagtattt  | catatcaggg  | ctgtagctga | 3592500 |
| tataaatatc  | accgaaagga  | gtatgaccgt  | tgctcgtcgg  | acggctcagc  | attgcatatt | 3592560 |
| tgccgttgat  | tttctgcggg  | aacaaaacgc  | cgttacgatt  | gaaaggcaag  | aatgcatttt | 3592620 |
| cgcactgata  | aaattccttg  | aaatcgaatg  | tatagccgat  | accgattggt  | ggtccgtgat | 3592680 |
| aaccattaca  | ccaggtaatc  | cagtaacggg  | cttcaatcca  | ggtcacacga  | gggtcatatt | 3592740 |
| tatattccga  | ttcaatcatt  | tccgtatttc  | cagctttaaa  | ctgaatcggg  | tcatgattga | 3592800 |
| tttcccagtt  | gataccatct  | ttgctgaagc  | ccgcaaaaat  | attcatctgc  | actgccttgt | 3592860 |
| tgctcgacgc  | gaaaactcct  | gcgaatccgt  | ctttgaacgg  | aacgacagca  | ctattgaaga | 3592920 |
| tactgtttga  | tgaggggaatc | tgataacgtc  | cgattacggg  | gttttttgag  | taacgccaca | 3592980 |
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| gcccacgaag  | ccaaaaccgt  | agccgaagta  | ctccagtacg  | ataccactgc  | aaataagcag | 3593400 |
| tccgttttct  | ggctggaacg  | ttgcgaacaa  | cgcataact   | acaaagggta  | agttgaatat | 3593460 |
| gcagcacaac  | gaaaacaacg  | tttttctcag  | cccccggtgc  | gatataataat | atccggccag | 3593520 |
| caaggaacct  | aaaacgaatg  | ctgctgcgcc  | atatgttccg  | taataaagtc  | cgatttcctt | 3593580 |
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| caatacaacc  | atgatgacac  | acaagatggg  | catgataatc  | atccacgcct  | tctggttggc | 3593880 |
| tgcgaaatagc | gcatctcctt  | cggcacctgc  | tcctccatat  | ttttcaatca  | ggtatccagc | 3593940 |
| cagatatacc  | agaccaccgg  | tagcaataat  | cttggcaata  | ttataaaaag  | cgccctgcca | 3594000 |
| tccgatatat  | ttcgcttgat  | catcgttcga  | caattcgctc  | atgtatacgc  | catcgcatgc | 3594060 |
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| gaaatgaggt  | aaattcaatg  | aaaatgctac  | caacccaaat  | gtgattcctg  | ttatgagctg | 3594180 |
| agtagcaacc  | acaaaaaact  | ttttggtctt  | gaataattca  | agaaacggac  | tccataaagg | 3594240 |
| ctttattgtc  | cacggaagta  | aaatcagtga  | agtccagaaa  | gtaatcaatt  | tatcttctac | 3594300 |
| tcccagtcct  | ttgaacatca  | gtaccgtgac  | catattcagt  | accacgaaag  | gtaagcccat | 3594360 |
| ggcaaaaatag | gcagttggaa  | cccatgtaat  | cggacttttt  | gcttttttcg  | gatgattggt | 3594420 |
| ttgtcccata  | gtattgttta  | tcagttaatt  | ctttttatct  | aaataacagt  | ttgtattcag | 3594480 |
| agaatacgca  | actttaaatt  | agggttttaa  | tatatttttag | agtttagcat  | attcttctgc | 3594540 |

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|             |             |            |            |             |             |         |
|-------------|-------------|------------|------------|-------------|-------------|---------|
| tccaatcttg  | tctgcatttc  | ctcttggtgg | agagttgttg | tcacgttttt  | gctcttgaat  | 3594600 |
| attaaaaatt  | atgcaaaacg  | gacagagagt | ttttaaaaga | atattcttta  | atctatttaa  | 3594660 |
| ttatctgcaa  | atatacaatt  | ttctcttgaa | tagaagtctg | aaatgaacga  | agtaagttct  | 3594720 |
| gtatataatct | aaaaaaaaag  | tggtaaaata | aaagcaggtt | actttccttt  | catatcttca  | 3594780 |
| atgattccta  | ggaggttaacc | tgctttcatc | gggactcgtc | aaacagtcct  | tttatgattt  | 3594840 |
| attgttttac  | ttctttactg  | aatgaatacg | gcgcattctt | gggtgcgata  | cctctgttca  | 3594900 |
| tggtgggttt  | gtcgcccatg  | acataatcga | tggtactacc | attctgcaag  | gtagcgtgtg  | 3594960 |
| taatgtaatt  | cttggtatat  | tcctgaccgt | ttaccttcat | gtcctgaata  | tagtaattgg  | 3595020 |
| tgctactgtt  | ctgaggagca  | ttgatgacga | tgcttttgcc | attttcaaaa  | tggtgggtgg  | 3595080 |
| ctttcttaaa  | cagtggagcg  | cccaatacat | actggtcagt | tcccggacat  | accggataga  | 3595140 |
| atcccaaagc  | agagaatacg  | taccatgcgg | aagtctgtcc | gttgtcttca  | tcgccacagt  | 3595200 |
| agccgtcggg  | agtaggagta  | tacatgcgat | ccatgacctg | acgcagccag  | tactgtgctt  | 3595260 |
| tccatggctg  | tttggcataa  | ttatacaggt | aaatcatgtg | ctggataggc  | tggttgccat  | 3595320 |
| gcgcataatt  | acccatgttc  | atgaccgtca | tttcacggat | ttcgtgaatc  | gggaagccgt  | 3595380 |
| agtagctatc  | gtcgaataca  | ggcgaacag  | agaatactga | atccaacata  | gaaacaaaca  | 3595440 |
| ccttgtcgcc  | gcccatacga  | tcaatcagtc | cctgaggatc | gtggaatacc  | gaccatgaat  | 3595500 |
| aatgccagct  | gttgcccttca | gtaaacgcat | cacccattt  | cagcggagag  | aacggtgtca  | 3595560 |
| tgaacttgcc  | atccttggtc  | ttgccgcgca | tcagcagcgt | ttccttgctg  | aacaagttct  | 3595620 |
| tgtagttcat  | ggcacgtttg  | gcaaacaggt | tcatttcctt | cttcggacgc  | ttcaaactct  | 3595680 |
| ttgccagttt  | atagatacac  | cagtcgtcgt | aagcatattc | cagtgtacgg  | gccgcgttct  | 3595740 |
| cattaatctt  | aacatcgtaa  | ggtacatagc | ctagcttggt | gtaatatcca  | tatcccagac  | 3595800 |
| ggccggtaga  | agacacctcc  | ggatgcacgt | tttcagttcc | atgaatcaaa  | cctttataaa  | 3595860 |
| gcgtttccag  | atcatccacc  | tttacaccct | tgaataaagc | atccacaaaa  | atggaagccg  | 3595920 |
| agttgtttcc  | gatcatacaa  | ccacggtgtc | ccgggcttgc | ccattcgggg  | aagaagccgc  | 3595980 |
| tttccttata  | tgtattgatc  | agtccttcct | ggatttcctt | gttgaccgac  | ggatagatca  | 3596040 |
| ggttcagcaa  | cgggaacaga  | cagcggaaag | tatcccagaa | acctgtatcg  | gtatacatat  | 3596100 |
| atcccggaa   | cactttaccg  | ttgtaagggc | tgtaatgaac | aatctgtccc  | tgtgcgtcta  | 3596160 |
| tttcgtagaa  | cttacgcggg  | aaaagcaatg | agcggtagag | acaagaatag  | aaggtacggt  | 3596220 |
| actgatccag  | atttccgcct  | tccacttcta | ccttacccaa | tacattgttc  | catgcttcct  | 3596280 |
| tacctttttc  | caccagcgta  | ttgaagtcgt | cgttgcccag | ttccttcagg  | ttcaataatg  | 3596340 |
| cctgttccgg  | actgataaac  | gaagaagcca | cacgagcatg | tacgatttcc  | cctttctttg  | 3596400 |
| tagcaaagcc  | gatgatagct  | cctgcatgat | ccgcctgctg | ttccgtgccg  | ttctctttta  | 3596460 |
| cgatactgtc  | ggcaacggta  | gcctgatacg | tgaacggttt | gtcgaattcg  | attacgaaat  | 3596520 |
| aattcttgaa  | gttagccgga  | acaccaccgc | tgttcttggt | agagtaaccg  | atgatacggg  | 3596580 |
| tgtttgccgc  | atcaatcttg  | acatacgaac | ccttgctgaa | agcatccacc  | actacgtagg  | 3596640 |
| aatgttcatt  | ttccgggaaa  | gtaaagcggg | acatggcagc | ccgttctgtc  | ggagtcagct  | 3596700 |
| cggtcacgat  | atcgtattct  | gccagataca | ccttataata | ataggctttt  | gccgtttcac  | 3596760 |
| ccttggtcgc  | aaaccagctt  | gcacgcttgt | cctcggtgaa | ttctggctta  | ttcaccatcg  | 3596820 |
| gcatgataga  | gaactggcca  | tagtcgttta | tccacggact | gggctgggtg  | gtctgcttga  | 3596880 |
| atccgcggat  | tttcgttgcc  | gtatactgat | acatccagcc | gtcgcccatc  | tttccagttc  | 3596940 |
| gcgggctcca  | gaagttcata  | ccccacggac | gtgcgatagc | cggatacgtg  | ttgcctgcag  | 3597000 |
| ataattcgta  | agtcgactga  | gtacccatca | gtgggttcac | ataatcagca  | taattagtcg  | 3597060 |
| ctttggcaag  | gcagaaaaag  | cctgccagta | aaataagtaa | tgataatttt  | ttcatggctt  | 3597120 |
| atttatgatt  | ttattgtttt  | actccccatt | ttgtagggtg | gttgggttaag | gttattttcca | 3597180 |
| gtgttcctcc  | ggcagctata  | tccttatgct | cgataaacgg | aacattcagt  | tccttaccgt  | 3597240 |
| tcagcgtagc  | cgactggata  | tacttggtgt | ctttggaatt | attctttgtc  | aggatagtaa  | 3597300 |
| acgtcttggt  | atccccggc   | aagttgattg | tcacctgtgc | gaagaacggg  | cgtccgatag  | 3597360 |
| aataaaccgg  | cttaccggga  | caaacttgat | aaaatcccat | cgcgttcagg  | atataccacg  | 3597420 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| ccgacatctg  | tccacagtct  | tcattgccc  | acagtccg    | gggggcatca  | cgatactgct  | 3597480 |
| ccttcagtac  | gcggtcaatc  | agttcctg   | ttttccacg   | ttggttttaca | taattataca  | 3597540 |
| tgtgtataat  | gtgatggctt  | ggttcatttc | catg        | ctgtccgatc  | agtccactga  | 3597600 |
| tatcagccga  | aacattttct  | ccttccaggc | tggaatccgt  | agtaaagagc  | gagtcaagtt  | 3597660 |
| taccgatgaa  | gccctgttct  | cctcccatca | gtttcaccag  | tccctcaata  | tcgtgtggag  | 3597720 |
| tgaaccatgt  | ccactgccag  | gcattccctt | cgcaataatc  | atcgtaacga  | tggttggaag  | 3597780 |
| cctttggatt  | gaacgggctg  | cgccattctc | cttttgagtc  | gactccg     | ataaagcgtg  | 3597840 |
| tagatggatc  | gaaatatcgt  | tcataagctt | tggcaaactg  | tgcgtat     | ttctgattca  | 3597900 |
| gggagtctcc  | tgtcgcttcg  | gcaaggacag | aaatgcaata  | atcatcgtaa  | gcatattcca  | 3597960 |
| gagccttg    | aactgattcg  | ttctcgcggt | cgcacggaat  | ataccctaac  | gtattccttat | 3598020 |
| aatacttg    | catcggcatc  | aggtg      | ataccagcgc  | cggacattta  | atgcccg     | 3598080 |
| tatcgatattc | cgcagcacgc  | aagcacgcct | tgtgaagcctc | ctgcaagtcg  | aaatcagcat  | 3598140 |
| atcctttggt  | ataagcgtcg  | gcgataagcg | aagccgcatg  | ataccgatc   | attgttccc   | 3598200 |
| tatagttcga  | agccagatcc  | cacatcg    | agatacctcc  | ctcctgatgc  | tttttcagca  | 3598260 |
| gcgagcggat  | aaagtcattg  | ttcagctg   | gttcgataat  | agacaagagc  | gggtgcaatg  | 3598320 |
| cgcggaacgt  | atcccataga  | gagaataccg | tgtagaccgg  | acgggtctgca | tttccctgat  | 3598380 |
| gtaccttccg  | gtccattccc  | cagtaacg   | cgtccacg    | ggtaaacaga  | ttcggactga  | 3598440 |
| tagccgtatg  | atacatagcc  | gtatagaaaa | tgggtcggtc  | ggtatcgctg  | gaagttgaaa  | 3598500 |
| catctat     | agaaagatag  | tcattccatg | cctgacgagc  | gtcggaaacgc | accttctcga  | 3598560 |
| aatcccatgc  | cggaatttcg  | gcatccagat | ttttctttgc  | accttccgta  | tcgacagccg  | 3598620 |
| agatacccat  | ctttaccatg  | acctgctcat | cttttttctg  | cttgaaactg  | agcaaaacct  | 3598680 |
| tgcagcggg   | ctgcatcttg  | ccgttctggt | cggtcagcgt  | atcccttaca  | atctgatatg  | 3598740 |
| taaaagg     | ggagaacttg  | gcataaaaac | tgatctgctg  | gtcgaatgcc  | cagtattcag  | 3598800 |
| tcagcttata  | tcctttgatt  | tccgtatcac | tgaccacg    | caccttcata  | tccatgtttg  | 3598860 |
| tctgatgctg  | gatagagtaa  | tccatgtcga | gaataaatcc  | agcctcgctg  | cttgccggga  | 3598920 |
| acgtataccg  | atgcaaagcc  | gcccgttg   | tagcagtcag  | ttccgccttc  | accttataacc | 3598980 |
| ggtccagaaa  | gaccgagtaa  | tatcccgtt  | cggcagtttc  | gttctgatgt  | gagaattccg  | 3599040 |
| acgcatacgg  | cagtgtctgg  | ctggcatagt | cctgaggatt  | gtatgtctgc  | ttgcctactg  | 3599100 |
| tcggcatcag  | taagatatcc  | ccgtaatcgg | cacatccggt  | gccacttacg  | tgtgtatg    | 3599160 |
| agaatccgtt  | aatggtagaa  | tctgcataat | aatatcccga  | ggaagcatcc  | cagccgctga  | 3599220 |
| tacgggtatc  | cgggctcggc  | tgaatcattc | cattaggtac  | tacgggtccg  | gggaacgtat  | 3599280 |
| gtccgtgtcc  | tcccgttccg  | ataaatggat | tcacatatgc  | ggcatagtct  | ttttccacgc  | 3599340 |
| ttttcgaggt  | acatgacact  | actgccattg | ttattcctac  | ggcacatgct  | atcgcacaga  | 3599400 |
| ttttgatttt  | catggtgtga  | aattataagt | tagataatta  | ggatcttttc  | tttattctct  | 3599460 |
| ttcagggtaa  | taaatacata  | gagactttat | taaaaataaa  | taacgtgagt  | tcgaaataaa  | 3599520 |
| ttaaaacatc  | gtgagttgtc  | cgtctttgac | aaaacaaacg  | tcaatggcgg  | gcttcttttc  | 3599580 |
| aaagaagcag  | tatgcagcta  | tggcagagag | caggttgga   | ataaagttat  | tgaaggaacg  | 3599640 |
| gtgtctggag  | tgttcaatct  | gggcgatgtt | ctttaactcg  | tcattgactg  | tttcaatcaa  | 3599700 |
| agcacgtttt  | ctcagcagga  | ttttgtccgc | cacgttcac   | agggagttct  | tcatgttg    | 3599760 |
| cttcactttg  | gttatcaact  | gtatgccgtt | aaggaacagg  | ttctcgaaca  | gggtttgcc   | 3599820 |
| gacatacccc  | ttgtccgcac  | agagtttccc | ttttatat    | ttcaggaact  | ttgtctgttt  | 3599880 |
| cagcgggttca | cgggtcatcca | catttcccgg | agtgaacatg  | aaattgagga  | tttcaccctt  | 3599940 |
| atcggtgatg  | atcaggtgaa  | gcttaaacc  | gaagaaccat  | cccatggagc  | attttccacg  | 3600000 |
| ttcggcgaga  | cccttaaaag  | tcttgtgaat | caatatgcgt  | tggttccggc  | atacacgcag  | 3600060 |
| cggggtggaa  | tccacaaagc  | tgataaccgt | gcaggtacc   | aacaggactt  | ccttgatgaa  | 3600120 |
| aatggtcagc  | tgcaacagga  | cttccttttc | cagttccaca  | aaacggttat  | aggacacacg  | 3600180 |
| tctgggaaaag | agatgcgtca  | gatgtttgca | tacatattct  | ttgtagtaat  | gcttgaaaca  | 3600240 |
| tctgaagcct  | cccagagtga  | acaggatcaa | gatgaccatg  | atttccgcat  | cactcatccg  | 3600300 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gttcggcttg  | ttccgatgct  | tatgattctt  | ttcttcaacc  | atatatTTTT  | cctgtgtttt  | 3600360 |
| ggcaaatcc   | ttgcaaaaat  | catccgccat  | acaaaaaatc  | tccgtaactt  | tagactctga  | 3600420 |
| gaacatagt   | gtaatcgctt  | aaatgttata  | cttagacact  | ataaatTTaa  | tgctttttatc | 3600480 |
| gctatgttcc  | taatTTTcaa  | actgataaatt | ttaatcttta  | tatcgaactc  | acgttaaata  | 3600540 |
| aatgatggaa  | aatcaattat  | ttaaaccata  | tatatcccg   | tttattcccc  | atttccagtt  | 3600600 |
| caagtgtatc  | gccttccatg  | atttgctgat  | gagttatata  | actcttatcg  | tatggctgtc  | 3600660 |
| cgttgagctt  | caccgactgg  | atataacagt  | tctcacggct  | ggcattccgg  | gcaatgaccg  | 3600720 |
| tgaatgtctt  | tccgttggtc  | aggtgtaact  | gcactttcgg  | aaatttcggg  | ctacctattt  | 3600780 |
| cgtacctgcc  | tgataccgga  | ttgaccggat  | agaatcccat  | ggcactaaaa  | acataccatg  | 3600840 |
| ccgacatctg  | tccacaatcc  | tcgttgccgc  | agagtcctgc  | cggagtattg  | gtatacagtt  | 3600900 |
| catgagtaat  | ctggctgatg  | tatttctgtc  | ctttccacgg  | ctgtcctgcc  | gcattgtaca  | 3600960 |
| agtaagctac  | atgatggctc  | ggttcggtac  | cgtgtgcata  | ttgtccgatc  | attcccgtgc  | 3601020 |
| tgaaaatagg  | aagttcgctc  | ttgtcggtag  | gatgaaacgt  | aaacatgctg  | tccagtttct  | 3601080 |
| gggcaaagcg  | ttctttgctg  | ccggtcagtt  | caatcagtc   | gttcacatca  | tgttgtaccg  | 3601140 |
| accagaaata  | ctgccatccg  | ttgctttcgc  | agatatgcgg  | agtatatctg  | tcagccttga  | 3601200 |
| aattctcgat  | gaagttacc   | ttcatgtcac  | gtggctgcat  | gaacgaagtc  | gccggattat  | 3601260 |
| acacattctt  | ataattctga  | gagcgtgcat  | agaactgttt  | ggcaatatct  | tccttacc    | 3601320 |
| tcttctttgc  | catttcggct  | atgcagtagt  | cgtcgaaagc  | atattccagc  | gttttagaaa  | 3601380 |
| gcgaccagtt  | ctcattatta  | tactggctgt  | gcaggtcgta  | aggaatatat  | cctttttcct  | 3601440 |
| tgtatactcc  | tatgccacga  | tactcgtcga  | tgttggtgtg  | tgccacacaa  | gcagccagtg  | 3601500 |
| ctttctctgc  | atcgaagtcg  | ccgatacctt  | tcaggtaagc  | atccacaatc  | accggtacgg  | 3601560 |
| catggttaacc | gatcatcatg  | tccgtttcgc  | ttccatagaa  | attccatacc  | ggcaggcgctc | 3601620 |
| cgttctgttc  | ataaaaatgcc | aggaacgact  | tgatcatatc  | gttggtacgt  | tcaggctgtg  | 3601680 |
| tgtaagtaaa  | cagcggatgt  | gctgcgcgg   | atgtatccca  | taaagagaac  | gtactgtagt  | 3601740 |
| tcgtccatcc  | gtcggcatga  | tgcacctgct  | tgctggggcc  | ataataagag  | ccgtccacat  | 3601800 |
| cactgtatat  | tgtaggagcc  | agcatactgt  | gatacaaagc  | cgtgtagaat  | accgtctttt  | 3601860 |
| catccttgtc  | aggcgtatct  | atctgtatTT  | tggtaaagctc | cttggtccac  | atagccttag  | 3601920 |
| ccttttccag  | gtacgtgtcg  | aagttattgt  | cgggagcttc  | agcctgcaag  | ttcttggtctg | 3601980 |
| ccccctccat  | gcttaccccc  | gaaatggcag  | ttgccagcgt  | aatctgttca  | ttttcgtctg  | 3602040 |
| tagtataatc  | gaaacgtgcg  | acaaccctg   | ttccgatacg  | ctttccatct  | ttttcgtatg  | 3602100 |
| cagtagaatc  | gattgtcatc  | cgggtaaacg  | gacgtgagaa  | acgggtgcag  | aaataaatct  | 3602160 |
| tctgtccgcg  | agcccagccg  | tcggagaaac  | gatatccccg  | cacggttacc  | gagtcgaccg  | 3602220 |
| cttcgatatg  | agaatcttgc  | gtcgcattcc  | agttcatggc  | tttggaaga   | ttaaggaaaa  | 3602280 |
| tagccgattc  | agctttcggg  | aatgtataac  | gctggatacc  | gcaacgttcg  | gtagccgtca  | 3602340 |
| gttccacgtt  | gatattataa  | tcattccagct | ttacctgata  | atatccggca  | taagcacttt  | 3602400 |
| cgttggtatg  | tgaaaatttg  | gaatatatac  | ccagcggagc  | ttcggcctcc  | ttgtatggaa  | 3602460 |
| gcgtaaccgg  | cataaacgag  | acatcgtaaa  | gatcgccctg  | acccgtacc   | gaaagggtgtg | 3602520 |
| tatggctgaa  | gccggcaatt  | gtgctgtccg  | gataaaaata  | accggcaatg  | cgatcccac   | 3602580 |
| cgggcaatcc  | gttgtcagg   | cttagctgta  | ccattccaaa  | aggaacttga  | gctcccggat  | 3602640 |
| aagtgtttcc  | tgtaaagtct  | gttccaataa  | atggattgac  | gtattgtgtg  | taatcttccg  | 3602700 |
| taatacttga  | agattgattc  | gatgatgtac  | atgcggcaaa  | agccagagct  | gtgtaaagtg  | 3602760 |
| gaattgtctt  | aaatctcata  | atactagttt  | tgattttgtaa | atataataat  | aaatatggga  | 3602820 |
| aaaacactta  | ttccgggtgtc | tcatttctgc  | caatttgcta  | tatatgactg  | tatatagctt  | 3602880 |
| ctgaatttca  | aggtgaaagg  | atattttgaa  | aaaatatata  | aagttttatt  | cccatatact  | 3602940 |
| gttatcttgg  | atgtttgtga  | caataacctg  | atcgttcgg   | aggtatcctg  | caaggagaga  | 3603000 |
| agttcaggtt  | atgtttggaa  | atcaagcgag  | tgatagacgg  | accaatcgat  | aagttgtcag  | 3603060 |
| aaagttttta  | agattcatag  | cggagctgat  | atgaaaaata  | gtgattttatc | gtgacatctg  | 3603120 |
| atgtaaaaaga | ccgggtcttt  | tgaaaaaattt | tccacgagga  | ccgttgatgt  | ttttgtacaa  | 3603180 |

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|            |             |            |             |            |             |         |
|------------|-------------|------------|-------------|------------|-------------|---------|
| aaacaataat | tttttgtaca  | aagcttttga | gaatttgtac  | aaaaattgtg | aggttcacgc  | 3603240 |
| agtcgtttgg | gagcatatgc  | gttgaaaaat | cttgtgccat  | gaattgaaag | atgatttctg  | 3603300 |
| ttcagagcta | tttccaatga  | ccctgaacag | aatcgagaaa  | attatagtca | gcgctgcata  | 3603360 |
| tgcagtaaat | taaatcaatc  | tgaaaattca | aatgataaaa  | gcgttatact | cttcaactgaa | 3603420 |
| cgaatgcgag | ccgttttcgt  | ttgtgaaatc | ggttccgaga  | aaatgatcgg | ataacgtaca  | 3603480 |
| gagagcgtgt | ttgcagtcac  | tctgtcggat | ggctatcgat  | acgcaatgat | tgtcattccc  | 3603540 |
| gtacgaaatc | atcaggatag  | gtatgtcgtg | cagcaattcg  | atgatacgat | tgcttgcata  | 3603600 |
| cgaatctccc | cagttcagct  | ttccgagtat | gctgatatgt  | gcaatattgt | tttctgtagt  | 3603660 |
| tatttcggca | aatccggcca  | gttcacggcg | gagcaggctc  | agggtttcgg | tatctgtttc  | 3603720 |
| tattgccatc | gaaatattgg  | tgctggatga | tgatcatcaga | taaatgaata | ccttgtactt  | 3603780 |
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| ttgtatctca | ctgacgagcg  | ggatgatgcg | accttgtccg  | tttatcagac | ggatgttaat  | 3603960 |
| ctgatattga | tgggcaagcg  | agaggctgcg | gggcatatcc  | agacgaacgc | cggcattgat  | 3604020 |
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| gtcgtacggg | atgtatatct  | cttttgccgt | tggtcgttgt  | atgagttctt | gagcacggaa  | 3604140 |
| agcgatagcc | agatatacgg  | cataagcgca | actgtcgcct  | ttggcgatat | attctacttc  | 3604200 |
| accgtaagca | ttctggcata  | caagcgactg | ggtgacatag  | actgcggctt | gtgctgtttg  | 3604260 |
| cgaaaaagct | tgtgcctgct  | ggcagattgt | ttctaaatca  | ggtttcccgt | cagcatccag  | 3604320 |
| gtgcatcagt | gtggcagcat  | ctgctacagt | ggcatcgatg  | tgtcggcttt | ttaaataggc  | 3604380 |
| ggctatcagt | gcggaagaaa  | tgtattctcc | cgaatgagtg  | aatctgcgtt | cgtcggactg  | 3604440 |
| gctgaacgta | ctgtttgccca | gttgccggat | atgttggaag  | ttggatgtga | tctgtgtttg  | 3604500 |
| ggcaaactcg | aaggcagaac  | catgatcggg | caggaatccg  | gacatcgttt | ccatgcagcg  | 3604560 |
| tttttccaga | tgcaggatgg  | cttgtgaagc | cttttcctct  | tcggcacgga | acagatggat  | 3604620 |
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| agcttctttg | cagatgacat  | cggagagttg | caggatgtct  | tcgggagctg | ttactgtatc  | 3604740 |
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| cggctttcgg | ttttttctct  | atatttgcaa | ccgtctgaat  | gaaactatat | gcacgaaatt  | 3605040 |
| acattacata | gccagagaaa  | atcgatccgt | ttccgtcgtc  | ggagccggaa | aaattatgct  | 3605100 |
| gtgttcggaa | gtctgcaccg  | gcatgtcacg | attggacggg  | tgtgtaaggg | aattgccgat  | 3605160 |
| tcatcgttgg | ataaggcaag  | acatatacgt | tcggtagaag  | gtaacgggca | gcgtgtatat  | 3605220 |
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| tatgtcatgc | tgctctctgat | gggacagcct | gtggttgttg  | aaccggcagg | tagtgaggct  | 3605340 |
| gcttgtagta | gaaagattca  | gaataattgt | catttatcga  | aacggaatgg | cgaaggattt  | 3605400 |
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| acaaaaaata | gattatgatc  | gaaaaattag | aaaagaaagt  | tgacgacggg | cttgcgttga  | 3605520 |
| cgcaggaaga | ggcgcttttg  | ttggcggaga | aagctccttt  | ggatgaatta | tatgaagcgg  | 3605580 |
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| cgggtgttga | ggtgtacgga  | ctggtttcgc | aagaggagtg  | tctgcgtcat | gcaaaggcga  | 3605760 |
| acgaagaaca | ggcgctttct  | cgcttctcgc | tggtgacgag  | tgagcggaaa | ccttccaata  | 3605820 |
| aggagataga | ggttttgtgt  | cagcattttg | catacttgaa  | agagcactcg | gacatactgc  | 3605880 |
| tttgcgcttc | gctgggactg  | gctaccgaag | aacagcttgc  | tttgctgcat | gaagcagggg  | 3605940 |
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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tgtgttgagg  | aggtattatc  | ggaatggggg  | aaaccatgca  | gcagcgtgtg  | gagtttgcc   | 3606120 |
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| gtactccact  | tgaacaggag  | cctgcgctct  | cggaagaaga  | ggcttgcgt   | acggtagcca  | 3606240 |
| tggtccggtt  | tgtcaatcct  | tcggcttatc  | tccgctttgc  | gggaggacgt  | tcacaactga  | 3606300 |
| gtgacgaggc  | agtgcgcaag  | gcgatgtata  | tcggcgtaaa  | ctcagctatc  | gtgggagatt  | 3606360 |
| tgctgacaac  | gctgggttcg  | aaagtagcag  | aagatagaaa  | acgaataaag  | gaggtgggct  | 3606420 |
| atgagttatg  | aacaatgtgt  | tgataacttc  | gacagggagc  | atttgtggca  | tccctatacg  | 3606480 |
| tcgactatca  | atccgttgcc  | tacgtataag  | gtaaaacggg  | caaaaggggtg | tatgattacg  | 3606540 |
| ctggaggagc  | gtacggagct  | ggtagacggg  | atgtcgtcgt  | gggtgtgtgc  | cgtacatgga  | 3606600 |
| tataatcatc  | cgggtgctgaa | tcgggccatc  | gaagaacagt  | tgaaaaacat  | gtcgcagtgtg | 3606660 |
| atgtttggag  | gactgacaca  | cgagcctgcc  | atcgcattgg  | gaaagttgct  | tctgaagatt  | 3606720 |
| gttccgcctt  | ccatgcagaa  | gattttttat  | gccgacagtg  | gttcggtggc  | tgtggagggtc | 3606780 |
| gcactgaaga  | tggcggtgca  | gtatcagttt  | gctgcgggaa  | agcctgaaaa  | gaacaatttt  | 3606840 |
| gtgacgatcc  | gttccggcta  | tcattggcat  | acgtggaatg  | cgatgtcggg  | atgcgatccg  | 3606900 |
| gtgacgggca  | tgcatagttt  | gttcggttcg  | gcacttccgg  | tacgtttattt | tgtgcctgcg  | 3606960 |
| cctcagtgcc  | gtttcgtatc  | cgaatgggat  | gagaaggata  | ttcttccact  | gaaggaaaca  | 3607020 |
| atcgaaaagc  | atcatcagac  | gcttgccgga  | ctgatacttg  | aaccgatcgt  | tcaggaggacc | 3607080 |
| gggtggtatg  | gtttttatca  | tccgcagtat  | ctgcgtgagg  | cggctaagtt  | gtgccgcgaa  | 3607140 |
| tatgggttgc  | tgcttatcct  | cgacgagatt  | gctacgggtt  | tcggacgtac  | tggaaaactg  | 3607200 |
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| ggagggtata  | tgactttctc  | ggcgtgctg   | acttccgata  | aggtagcggg  | ctgtatttct  | 3607320 |
| tcacatgagc  | cgcatgcttt  | tatgcacggg  | cctactttta  | tgggaaatcc  | gcttgccctgt | 3607380 |
| gcggtggctt  | gcgcttccgt  | caatctgctc  | ttgtccagcg  | gatgggagga  | gaagggtgaa  | 3607440 |
| cgcattgagt  | cgcaactgtg  | ggagggaattg | cttccggctg  | ccggattacc  | tcagggtggca | 3607500 |
| gacgtgcgtg  | tgctgggagc  | tatcggagtc  | atcgaaatga  | agaatccggg  | ggatatggca  | 3607560 |
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| ctgaagattg  | taagagaaat  | aacctgttaa  | ataaaaaaga  | aaggaaatggg | aacgatgggt  | 3607740 |
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| gggtgtgatg  | tgatgtgga   | tgaggctcac  | ggatcgggtg  | tacgtggcaa  | aaacggactg  | 3608400 |
| gggtgtagccg | aggaacagga  | atgtctgaag  | gatatcgact  | tcctgtgtgg  | tacgtttggc  | 3608460 |
| aaggcattgg  | cttcgggtcgg | agcgtatgta  | gtgtgcagtg  | aggtgatgcg  | ctcgtttctg  | 3608520 |
| gttaaccgga  | tgccgacgtt  | tatctttacg  | acagcacttc  | ctccgctgaa  | tgtggcatgg  | 3608580 |
| acaaaagttta | tcctgtcgcg  | tctggagggc  | tggaaacgacc | gtcgggaatg  | gttggcaaa   | 3608640 |
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| catattgttc  | cttcattgt   | gggcgagagc  | agcaagacta  | tcctgaaagc  | ggaagacatg  | 3608760 |
| cagcggaaaag | gattttatgt  | gttgccgggt  | cgtccgccta  | cggttcccga  | aggaacttcc  | 3608820 |
| cgattgcgta  | tttcgctgac  | ggcagctatt  | acggaagagg  | aagtggacag  | cttatgccgt  | 3608880 |
| gaattgtaaa  | gattatgaac  | gtttaaaaaa  | tatcggcgca  | aatgtatgga  | aacgtcggcg  | 3608940 |

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| tgttttactg | aaaacgtcgg | cacgttttga  | tacacgtgcg | ccgaatgact  | gaatatgaag  | 3609000 |
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| gattaccgta | cgctggattt | cgattattct  | ttgctgaatg | gctatcgtga  | aatcagggtg  | 3609180 |
| cttgccctgg | cgatgggggt | atgggtagcc  | gggcagatac | tttcgagacg  | tacctgtcct  | 3609240 |
| tgggagatga | agctggctgt | caacggtacg  | cctttcccga | tagatgacca  | gcgggggatt  | 3609300 |
| gcggaagcgg | tttttcacgg | tacgctggag  | aatttttcgg | atgctacgct  | ggcacgtttc  | 3609360 |
| cgacggagaa | tctgtggcgg | tgcaggacag  | gtgaaggagt | tccttttcgca | tcagccgtac  | 3609420 |
| cgtacgacgg | aggagctgaa | ggaggaactg  | gcggcttttg | aacatgaggt  | tggaaaggct  | 3609480 |
| ctgccggcgg | cttttggttg | ggacaaggct  | atcattggct | tgtgtgacaa  | gattttttatt | 3609540 |
| ccagacaatc | agcgtgtcgc | ttggaaagga  | acggaagtga | tggagatgga  | agcgaacat   | 3609600 |
| tatgatacgg | cgctgttcgg | ccgtctgctg  | gaaggaaagg | gggaggaatg  | gacaagacat  | 3609660 |
| tgattcgccg | tcgttttgcc | aaggctgtga  | gcagctattc | catacgggcg  | gatgtacagc  | 3609720 |
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| gtaatgtgct | ggagattggc | tgcggaacgg  | gtctgtttac | ccgtgccttt  | ctgcattgtg  | 3609840 |
| ctactcccga | acggttgcta | ctgaacgatt  | tgtgtcccga | agtggaaccg  | tatctcaccg  | 3609900 |
| acttacttgc | caataagagg | attcactttg  | ctgcatccga | tgcggagatg  | ttgaattttc  | 3609960 |
| cctcggggca | gaatctgatt | gtgtcgtgct  | ctgccattca | gtggttcgac  | cagccggaaa  | 3610020 |
| agttcttggc | aggctgccgc | aagctcctga  | cgactgacgg | ctatctggct  | ttcagtagct  | 3610080 |
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| cgctggcgga | actaacaag  | gttttgtcga  | ctgagtatca | gattgtgtat  | agtcgggagg  | 3610200 |
| aaaagctgaa | attgtctttc | acttcgccgc  | tggaggtact | gaagcatctg  | aaggaaacgg  | 3610260 |
| gagtgacggg | catacgtcag | caaagttgga  | cgaggggaga | actgaacgat  | ttctgccgcc  | 3610320 |
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| taagttgagc | gcttcaattg | catatcgtgt  | tggacaatag | ccactagaca  | gtaagtgatg  | 3610620 |
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| ccctcttcat | catagtaacg | aatgagtcgg  | aatgactcgg | gatattttct  | ctctgagagg  | 3610860 |
| tatccggtca | gtttcacttc | agcatctgta  | agtacatact | taggcatact  | acgcttccat  | 3610920 |
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| tagaaggcag | gaacttgtgc | ttcaatgtca  | tataagacat | gagctttgac  | acctcctttc  | 3611160 |
| tttcttcgga | acttcgcccc | tggaaatgtg  | gctagacata | acggaatagt  | tgttgaatca  | 3611220 |
| aaagcatact | tattccctgg | aatatccaag  | atgttggtcg | ctcgcttttc  | acaagcttcc  | 3611280 |
| ttcattatat | agaatgcgaa | gtcttcaaag  | attctgtagt | cacgattctg  | attagcataa  | 3611340 |
| gcgaggggtg | ctttggctat | tggattgcgt  | cccagaccaa | gatgatattg  | cttggccttga | 3611400 |
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| ttgcgaacaa | agttattgaa | ttgtgttctg  | ttcataaaag | cggtaagttg  | agcgaatacg  | 3611580 |
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| aacttttatt | ggacagtagt | ggtaaaaagt  | aaaatgtaat | aatatgaaag  | acaatgtttt  | 3611760 |
| ttttgtgagt | ggcattgata | ccaatgtcgg  | aaagagttat | gcaactgggt  | atctggctaa  | 3611820 |

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| cggtatgtcg  | gaggatatcg  | aactgcatcg  | caagattatg  | ggaaccgggc  | tgctgccgga  | 3611940 |
| agatgaaagt  | ggactgacca  | tgcctgaaat  | atttacttat  | ccttgctcgc  | ctcacttggc  | 3612000 |
| tgccgaaata  | gatcatcgtc  | cgattgattt  | cgacaagata  | gaaaaggcca  | cccgccagtt  | 3612060 |
| gagtgaacc   | tatgacgcgg  | tcttgctgga  | aggagcaggc  | ggactgatgg  | tcccgccttac | 3612120 |
| ccgagacttg  | ctgacaatcg  | attatgtggc  | actgaaaaac  | tatccgttga  | tttttgcttac | 3612180 |
| ttcggggaaa  | ctgggaagca  | ttaatcatac  | tttggttaagt | ctggaagcga  | ttactcgtcg  | 3612240 |
| gggtattcgc  | ctgcataccg  | tggcttataa  | tcttttcccg  | gaagaagacg  | atgatattat  | 3612300 |
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| atacaataaa  | ggctgtttca  | tctttgatat  | tgaacagacc  | tctttcatct  | ttttcctggg  | 3612540 |
| tggaacctgga | gggaatcgaa  | ccctcgtcca  | aacaaggaag  | ccatatgctt  | tctacatgct  | 3612600 |
| tatctctgcc  | ttcgggtttc  | gtgcataagc  | aagaccagag  | ccaccactt   | ataccttagt  | 3612660 |
| ccctaaaatt  | tcatctcagc  | ctcgaaccc   | gactgaaact  | attcccgaat  | ttgctgtgcc  | 3612720 |
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| cggaaataaa  | gctaactctac | tattcttcga  | ttaagcagcg  | agagcataat  | tttcgttgcc  | 3612840 |
| agataattgt  | tcagtaactg  | agattatagt  | gcaaatcact  | gatgcactgc  | atgcttacat  | 3612900 |
| accacatctc  | tcgctgtcaa  | atccagtcaa  | gccaagcat   | gtgataatta  | ttgtgcacaa  | 3612960 |
| agataggaaa  | tatttgtgat  | ttcgccaaa   | tataagggat  | tttacgtatt  | ttaaacatag  | 3613020 |
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| tgagataaga  | tttgtaagtc  | atactcaaga  | aactcactca  | ttcattgttt  | ttttatgttt  | 3613320 |
| caataattat  | atttgctata  | tatattcaat  | agttcggtta  | aaattagccc  | agcctaagcg  | 3613380 |
| gctctggcag  | taaataaaat  | gagttctttg  | aaaagtttgt  | caattaattg  | cgtgtttggg  | 3613440 |
| tcaatcccag  | acacgcaaat  | aaatcgttca  | agcatgtaag  | cattgtgtat  | gactgacttg  | 3613500 |
| catgatgata  | tggaatat    | tattcccatc  | ttcttacagg  | cagccttggc  | gagggtttatc | 3613560 |
| gctgcaagt   | atgcattaaa  | gtggaatgcc  | agtttcctga  | agtctgtaga  | ctgacagttt  | 3613620 |
| gctattccgg  | catgttgctt  | ggcatcccga  | aagcagaatt  | cgagttggaa  | acgtgttctg  | 3613680 |
| taaaagtcca  | ggacatcctg  | tgcgttctgt  | atttcgtttg  | tagagaaata  | cagctgccat  | 3613740 |
| ttgtccgttc  | ttccatccat  | gggtaccat   | acagccaggc  | tcacaaagcg  | tttgagtgtc  | 3613800 |
| ttggagtatg  | ctttcagtc   | gtaaagtta   | cccttgttca  | ctttgtactc  | ggtacatctt  | 3613860 |
| gtgatgtcca  | gattttcaaa  | gtcaattttc  | tcgtcatgta  | attttgagcg  | tccgcgtttt  | 3613920 |
| cctgtcctat  | tttctaaggt  | gggataaaac  | aatacggcat  | cattcctgaa  | acggcttatt  | 3613980 |
| acgtggaaac  | cgttatcgta  | caatggtttg  | atgaaagtgt  | cctttgaaaa  | gaacgcatca  | 3614040 |
| cacacgactg  | tgccagaaat  | acgtttcagc  | tgttcctgta  | tgctgataag  | gtaagagctg  | 3614100 |
| taccagtcaa  | caagattctt  | ctcacagctt  | tccagcgttg  | cgttgtcagg  | tgtctgtaca  | 3614160 |
| gagcccaaag  | tcatacatc   | atgggtgtca  | acgtctataa  | ctccaatacc  | ggttattttc  | 3614220 |
| agtccacgtt  | tgtattcacc  | ggcacaaccg  | gaccagaaat  | agccaatcca  | cggcgttttg  | 3614280 |
| ctgcctgatt  | ttggaatgaa  | agacggatca  | acggctatcg  | ccttgcgacc  | acctttaagg  | 3614340 |
| tgttccctga  | tgatggcttc  | attgaaggaa  | aaccagtcaa  | agccgtcggt  | ctcaaaattg  | 3614400 |
| ttgcggtatg  | tctgttccga  | gaaacatcca  | taccgtccca  | tttgtaggaa  | attgatgcgg  | 3614460 |
| tcaggtatag  | ccatgaataa  | tttcattgca  | tccatgaata  | ctttctgaaa  | agatttgctt  | 3614520 |
| atatttacag  | ctgattcgag  | agcgtttctg  | cactcggatt  | ggatttgc    | aaggagtgat  | 3614580 |
| tcttttagtca | taattaaaag  | tgggtgaagta | cttctaattt  | actaaaaatc  | agtgaattat  | 3614640 |
| gaaatacttt  | ttctgttgat  | tttcagctgt  | ttagcatatc  | tttttcatcc  | cttttcttac  | 3614700 |

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| attatgccga  | ttctatgttt  | aattttaatt  | tatcggtaaa  | aatttaccga  | agtattgtat | 3614820 |
| atTTTTgttg  | agttttaaaa  | tctattttact | agtaataacc  | tttaaatacaa | tacttatgaa | 3614880 |
| aatgccttta  | tttctcacag  | caatcatttt  | atctttgatt  | tctgtatctt  | gttctgaaga | 3614940 |
| aaatcaatta  | acagAACctt  | tacgtgaaca  | atcatcaatt  | tcattatccc  | caattaaagg | 3615000 |
| aatttcttac  | gattccaata  | ttataacgaa  | agatgatgcc  | atTTTTgttg  | caacaaaatt | 3615060 |
| cttgaataga  | aaaagaacaa  | gaagtgaat   | ttatgatgca  | atacctcttt  | atgattctac | 3615120 |
| tggaaaacaa  | attggtcatg  | tagtaaattt  | ttctgattct  | ggattctgta  | tagtttcttc | 3615180 |
| aactaaagat  | ttacctccta  | ttttggcata  | ttctagcaaa  | gggaacttta  | atataaataa | 3615240 |
| tataaaataaa | acagggtattt | cgatatggag  | agataattta  | tcttatagtc  | aagaagaact | 3615300 |
| tacaaaagaa  | gagaaggatt  | ccaacagaag  | attatggaat  | atTTtatgaaa | gctcttccct | 3615360 |
| aaaatccaga  | gcaatggatg  | atactgagaa  | aacagcagct  | cttaataaaa  | gaatggcaga | 3615420 |
| aattcatgaa  | gaatttggaa  | tgtctataga  | tgtaaagacct | cttatagctt  | ttaaaggtag | 3615480 |
| tgattttata  | aataattcat  | attatgaaat  | gtttaaaaat  | aaaggagggt  | cagaattcta | 3615540 |
| tactatagta  | ggagtgtata  | agaaaaatct  | gggacctcaa  | atcgatcctt  | atataacaac | 3615600 |
| tcagtgggga  | cagcaaggag  | tttttggaaa  | atatgccgta  | aacaaatttg  | ctggttgtac | 3615660 |
| tgtaatagca  | gcagggcagc  | ttatgaacta  | ttttcaatat  | cctaagactt  | atgactggaa | 3615720 |
| tgcaattgcy  | agcaattggt  | atattaatga  | atctgtggca  | gtgctgagca  | aagatattca | 3615780 |
| agatagattt  | aaagttaaagt | atgaagaaaa  | taaaacctca  | tcaacaataa  | gtaatgttaa | 3615840 |
| agagggactt  | aaaagttttg  | gatattctgt  | ttcagaaaca  | gatgaaattt  | ttgcatatag | 3615900 |
| attaattgag  | aaataccata  | agccacttta  | cgaacaaggt  | gtagatgatg  | acggagatgg | 3615960 |
| gcatgcttgg  | gttatagatg  | gatataattac | gtttgattat  | caatattatt  | atattgtaga | 3616020 |
| atattttaaga | ggtaattctg  | gaagttagac  | atatgaaaga  | gataacacaa  | tatattctgc | 3616080 |
| agggtgatgat | aatatggtag  | taagtgtatt  | aacgcattat  | aactggggat  | gggacggaag | 3616140 |
| agaagatgga  | tattatgtta  | cccctcctaa  | gtataaaaaat | aaacttaaac  | aattaaattt | 3616200 |
| atcaattccc  | caataatatt  | gtagagcatt  | aataatcaac  | taagcataaa  | aataaataac | 3616260 |
| tatgaaaaca  | aaaactttta  | tcttaatttc  | catcttggtta | tctatcctct  | ttacaggatg | 3616320 |
| taaaaaaaat  | gaggacgtta  | ttggtaataa  | gattcttaca  | ttttatatag  | aattaactaa | 3616380 |
| tgaggatgga  | actcctatta  | taactagtga  | taaagaagct  | gaagagtttc  | cttcattgca | 3616440 |
| aaccatagct  | gttaatccaa  | gtgatttaat  | gaataatttc  | gatattgttt  | ccaaaccggt | 3616500 |
| aaaaggagaa  | aataaccggt  | actattttaaa | gtgttccaat  | tataattcta  | taaatgatag | 3616560 |
| ttatgaattt  | atcattaaaa  | gtaaaacagg  | ttttaatgga  | gaatattttat | tcgaaattac | 3616620 |
| atgggattct  | actacactaa  | aaaatgtaat  | aataaatggt  | aaagaatcaa  | atatcagtga | 3616680 |
| ggttacattt  | gatgatgtga  | aatattattc  | agtgtctttg  | attatttaa   | aactatctat | 3616740 |
| ttcccttata  | cgtcaaagga  | atgaacgttt  | ctgatataga  | aaaagaaata  | tgtaaaattt | 3616800 |
| tctggaataa  | aatttttaaa  | aatcaactat  | tcctatcata  | ataaacaatg  | taaaacagat | 3616860 |
| tgccatagaaa | tgacagaatt  | agactttata  | tccggtgctt  | ttgatataat  | ttggatggac | 3616920 |
| agggtcaatg  | tataagataa  | cggcaaaatc  | ataatataat  | gaactaattt  | atTTgtattt | 3616980 |
| ttgatgccct  | taatgaattg  | attaaacata  | gaaatatgaa  | gacattgata  | ggtgtatgta | 3617040 |
| tggctgctat  | agctttaata  | ggaaacagtt  | gcatgggaca  | tgcgaaacac  | gcggaatcag | 3617100 |
| tttccgaaga  | aacaacggat  | tcattgtatc  | tgctgggtggg | aagttatgcc  | ccgtcgcagg | 3617160 |
| aggaaggat   | ccgtgtgtat  | gtgttcaatc  | aggaaacggg  | aaaaggaacg  | tatcgagtg  | 3617220 |
| gtatatcggg  | tatttcgaat  | ccttcgtttc  | tcactccgtc  | ggccgacggt  | agccgggtat | 3617280 |
| acgcggtagg  | agaggatgct  | ggggtttctt  | ctatagccaa  | tgcgttggcg  | ttcgatcgag | 3617340 |
| caaaaggtag  | gctttcgctg  | atcaactctc  | aaccgaccca  | tggagggggcg | ccttgtaata | 3617400 |
| ttacgttgag  | tccgaaagag  | gattatgtct  | tgacggccaa  | ttatgcgggg  | ggtagtgtaa | 3617460 |
| cggtatttcc  | tttaggtaat  | cgtggagagc  | tgctggcggg  | tgataccttg  | acctttacgg | 3617520 |
| ggagtggacc  | ggataaggaa  | cgacaggctc  | agccgcattc  | gcatagtgtg  | ctcttcacac | 3617580 |

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| cggacaatcg  | ccttttgcta | gccaatgatt  | tggaaccga  | tcgtattcat  | gtctttcctg | 3617640 |
| taaatgataa  | gaaaggtgaa | ggtttattga  | atcgtgcggc | tgcttacgat  | gtacaattag | 3617700 |
| ctccgggac   | gggaccacgt | catacgtgtt  | tcgcacccga | cggaaagcat  | gcgtatctca | 3617760 |
| ttaccgaact  | gtcgggcat  | gtgattgcga  | tttcttacga | cgaatgaag   | ctggatacta | 3617820 |
| ttcagaccat  | caaggcagat | acgcttgatg  | ctcatggaag | tgcgatatt   | catatttcgc | 3617880 |
| cggatggtga  | ttttgtgtat | gcatccaacc  | gcttgaaagg | ggatggtatt  | gctatcttct | 3617940 |
| cagttagttc  | ggaggacggt | acgctggaaa  | aggtagggtg | tcagcctacg  | ggaattcatc | 3618000 |
| cgcgtaactt  | tgtcattacg | cctaattgta  | agtttttact | ggtagcttgt  | cgagatacaa | 3618060 |
| atgagattca  | ggtatttgca | cgggatgccg  | ataccggatt | gctgaaagat  | accggcgaga | 3618120 |
| aaattgaaat  | gtcgaagccg | gtttgtctga  | aatttggttc | gatgaactga  | tactgaagaa | 3618180 |
| agacttgttt  | cctctgtata | agagaacggt  | atgtcaatac | tcaatggatg  | agggtaaatc | 3618240 |
| ttccattgaa  | tatccaatgg | aaaaagaaag  | ggtcgtatca | aattctgtga  | aaatgatacg | 3618300 |
| gcccttttta  | ttgtagtatt | gtctagtcct  | gaaatagcgt | tacaacaaaa  | aaggtaacat | 3618360 |
| tatggaaaag  | acagaaacaa | agtacgttaa  | gcgcacacaa | aaagattaca  | gtatgtcctt | 3618420 |
| taaactatca  | gtagtgaag  | agtatgaaac  | cacaaaaata | agtttgagg   | cgctgaaacg | 3618480 |
| aaaatatggg  | atacaaggat | gttcaactat  | tagccgttgg | attgaaaaat  | atggtaactt | 3618540 |
| tgatatcaca  | aacaaatgtt | accattctat  | ggaaaagagt | aaggatcaaa  | aactgttaga | 3618600 |
| actacaacag  | aaagtaaggt | tcctggaacg  | caagaatgcc | cgtctggaaa  | aggagcttga | 3618660 |
| gctgaaggat  | atgaaagcag | agtttttcga  | catgatgata | gacatagcgg  | aaaaggaata | 3618720 |
| taatatcgac  | atacactgct | gtccggagaa  | aattctccaa | aatagctatt  | attgattaat | 3618780 |
| actcagttag  | ttacgaggct | aataaaaattt | ttcgattaga | aatcatagtt  | ttgcaagaag | 3618840 |
| gtataaacag  | ccaattctgc | aagctatgaa  | caaaggaaaa | acaatatttg  | cacaggttat | 3618900 |
| gtctcttata  | aacgtatacg | aatttaagaa  | gtgcgtcaac | cgctataagg  | gtgacaggca | 3618960 |
| cgccgtcaag  | ttcacttgcc | gtgaccagtt  | catggtaatg | agctttgccc  | agttcacaga | 3619020 |
| caggctcagg  | ctgagagaca | tagagactac  | acttaacctt | tgttctcctg  | acctttaccg | 3619080 |
| ttctggatc   | aaggtaatgc | ccaaatccac  | cttgccgaa  | gcgaatgaaa  | agaaggattg | 3619140 |
| gcgtatctat  | caggattttg | cacaagtact  | gatacggcaa | gcaaagggaag | catataaggg | 3619200 |
| gcagaaaactt | agacttgact | tggatgaaat  | ggtctatgct | tttgacagta  | gcacaataga | 3619260 |
| actgtgtctg  | aagctttgtc | catgggctaa  | gtttcatcat | gagagaggag  | caatcaagat | 3619320 |
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| agtccacgat  | tccaaaatta | tggataagat  | acctgtagaa | gccaactctt  | attatcttat | 3619440 |
| ggacaaagga  | tatgttaagt | ttgactcttt  | gttccggcat | tttcatctta  | attatgcctt | 3619500 |
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| ccaatctgcc  | ggacttctct | ctgatgaaac  | gattaaattg | accgggccac  | tcacttccag | 3619620 |
| gaagtatccc  | gattctctta | gacttgttgt  | gtatgaagac | ttcagcacia  | atacagttta | 3619680 |
| ccgtttcctt  | accaataact | tcaaacttga  | ggcattgact | attgccgagt  | tgtacaggga | 3619740 |
| gagatggcaa  | attgaactgt | tcttcaaatg  | gataaagcag | catctgcaca  | taaagacatt | 3619800 |
| ctatggaacc  | acccaaaatg | ccgtgtacac  | acagatatgg | atagctatct  | gtgactatct | 3619860 |
| tctgcttatc  | attgcgaaga | aacattatat  | gttgaatcca | agccttcatt  | ccatttcaaa | 3619920 |
| ttctattggc  | caagtcctct | tcaaaagagg  | cgacatcaaa | gatataattt  | atcaaaccga | 3619980 |
| catcactact  | aatgttccag | agggtgatgg  | tcctaagcag | cttacgctgt  | ggtaaaattt | 3620040 |
| ctccggacag  | cagtatcgga | catacgaaaa  | aactcctctc | ccgaacagtc  | aataaatata | 3620100 |
| aagaagaaaa  | atccgtaagt | atcagcggaa  | tctgccgact | gctcgggata  | agcaggcaga | 3620160 |
| aatattaccg  | tcagcaatgg | aagataatcc  | gaggccggca | aaggccact   | gatgttgtgg | 3620220 |
| gcattggtacg | agatatccga | atggaactgc  | cacgtgtagg | aaccgcgaaa  | ctttatcata | 3620280 |
| tgcttcatca  | gccacttaag | gagaacaagg  | taggcaggga | caaactgttc  | gatatactcc | 3620340 |
| gtgccaaaccg | tctgtttata | aagcccgtac  | gttcatatca | tgtacaacc   | aactcgcac  | 3620400 |
| accggtttcg  | gaagcacaag | aatctttag   | aaagtatgga | agcgacacgc  | ccggaagaaa | 3620460 |

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| tatgggtttc | tgatattact  | tatatattggca | atagaaaccg  | gcatatgtat  | ctttctctgg  | 3620520 |
| ttacagatgc | ttattccaag  | aagattatgg   | gatatgatct  | ttccgattcc  | ttggacactc  | 3620580 |
| aaggttcttt | gaacgcgctg  | aggatggcaa   | accgcaaccg  | actgtatagg  | gacacgccat  | 3620640 |
| tgatacacca | ctctgaccgt  | ggtatacagt   | actgttccga  | tgcatatcag  | aaattactgg  | 3620700 |
| gacaatatca | catcatacc   | agcatgactg   | aatcttacga  | tccgtacgct  | aatgccgtgg  | 3620760 |
| cagaacgaat | aaacggaata  | ctaaaacagg   | agttcctgct  | tgaggaaactt | aatctaccgc  | 3620820 |
| tatcagatat | gaaacaggta  | ataagggatg   | ctgtctacaa  | gtataataac  | atcagacctc  | 3620880 |
| attactcttg | tgggtataaa  | acgccggagt   | atatgcatca  | tcagaagctg  | attaaaatta  | 3620940 |
| aaagttacaa | aaacaaacag  | ttcagcaaga   | ctgaccttgc  | tgaactgtga  | taaataat    | 3621000 |
| atttttgtcc | aataactgta  | acggttattt   | aggactagtc  | aactagtcaa  | ttacatcttg  | 3621060 |
| ttctcccgtc | acttgagtgt  | tcggggagtt   | ttcatattta  | ttatttcttg  | tccgtcatct  | 3621120 |
| gataaaccag | tgtaccacct  | ttcacaatgt   | cggcatgtga  | aatgaagttc  | ttggtatacg  | 3621180 |
| gttcaccgtt | cagtgttaata | ctctttacat   | acttggtggc  | ttctgaaagt  | ccttctgcct  | 3621240 |
| tgatagtga  | ggtctttccg  | tctgccagat   | gaagtacaaa  | ttccggcatc  | tgaggagctc  | 3621300 |
| cgaatacgt  | ttcgccgctt  | accgggttga   | cggggtagaa  | tcccatggca  | gagaacatgt  | 3621360 |
| accatgccga | catttgtccg  | cagtcatcgt   | tgccgcacag  | gccgtgaggc  | tgagggtgcat | 3621420 |
| actgtgtgtc | aaagatttgg  | cgaatcagtt   | cctgagtacg  | ttcaggacgt  | ccggcaagg   | 3621480 |
| catacagata | ggttacatga  | tggctagggt   | cattaccgtg  | cgcataattgt | ccgatcaatc  | 3621540 |
| cggttacatc | ggcctgagtt  | gtttccagtt   | tcaatgtaaa  | tacagagtcc  | agcttgttga  | 3621600 |
| ggaaggcttc | ttctccaccg  | aacaaggcta   | tcaatcccgg  | tacgtcgtgc  | tgtacatgcc  | 3621660 |
| aggtatat   | ccatgcgttt  | ccttcggtat   | agtcgccgcc  | tacactttca  | gagtgcccta  | 3621720 |
| tctggctagg | gttaaattga  | gtttgccagg   | tgccgtccga  | ttttctgggg  | cgcatgaact  | 3621780 |
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| cttctgtttt | tcccatacgt  | ttggccatgt   | cggctgctgc  | atagtcatcg  | tatacgcttt  | 3621900 |
| ccagtgtaga | tgaacacagat | tcagcctcgg   | tcaggtcagt  | cgggaaataa  | ccgtatttca  | 3621960 |
| tatagttttc | ccagttcgac  | tttaacggat   | gtgatatggt  | ctgagtacgc  | ttgatggcgt  | 3622020 |
| tgaatgcgcg | ttctgcatca  | aagccgcgga   | atcctttggc  | ataggcttct  | gctacgacag  | 3622080 |
| aaactccatg | gttggctacc  | atacagaagt   | tttccttggc  | ccacaatccc  | caaatcggga  | 3622140 |
| ggtatccttg | tacatcggcc  | tgatctacca   | gcgagttgat  | gaaaccgtct  | accggttcag  | 3622200 |
| gaatcatcag | tgtatagaac  | ggatgagcgg   | cgcggtagg   | atccacacaga | gagaaagtag  | 3622260 |
| aatagaat   | acctcctgtt  | gcgtttacta   | cagagtcggc  | tgcatcgca   | taacgtccgt  | 3622320 |
| caacgtctga | tatttcgttc  | ggctgaatca   | gcgcatgata  | aaagctggtg  | tagaagtttg  | 3622380 |
| tcttttcttc | gtcagtgcct  | gttacctcta   | tacggctcag  | gtaactgttc  | cagtcggctt  | 3622440 |
| tagccgctgt | tcgtaccctt  | tcgaaatccc   | atccgggaac  | ttcagcagcc  | atattggcct  | 3622500 |
| tggcaccttc | tactccggt   | gtggagagcg   | ctactttcat  | cagcacttct  | tctcccggct  | 3622560 |
| ggagattgaa | gcttgcaacg  | attcgtttgc   | ctttttcgac  | tgctgccata  | ggaagttcga  | 3622620 |
| agtgatcaac | gaccgggcgg  | ctgaattgca   | tgacgaaata  | atagtcctga  | ttcacccaga  | 3622680 |
| cttcattgtt | tacatgaccg  | gtaagcgtac   | tatcgttctc  | ccagttgact  | tcacagcttt  | 3622740 |
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| tggaagcaga | gtctgctttt  | tcgtacgtat   | atcgggtgtag | ggccgtatgg  | gttgtagcag  | 3622860 |
| tcagttctgc | ttttacattc  | gattggtcga   | gggtaacggt  | ataatagccg  | ggagtagcac  | 3622920 |
| tttcgctttg | tttctggaag  | cgactccggt   | aggcatccca  | tgcacggtga  | cgttgtccgg  | 3622980 |
| taaaaggcat | taccagaata  | tcaccagat    | ccatgcatcc  | ggttccattg  | aggtgagtct  | 3623040 |
| gagtaaatcc | ccagataata  | gaatcggcat   | acatgtattc  | ggagcagtat  | ctccatccta  | 3623100 |
| cagctccggt | tacaggactg  | gtttgtatca   | ttccaaaagg  | acgacaagct  | cccggaaaag  | 3623160 |
| tatgtccgtt | gtcggctgct  | ccaatgaaag   | gatcgacata  | ttgcgtataa  | tctattgtct  | 3623220 |
| gtgatgtttc | ttgcttggtc  | gtattgcaac   | tatagaatgc  | gcttcccagt  | gcaagagtgt  | 3623280 |
| ataagaatac | agaaagtttt  | ttcatgaatt   | agggttaata  | agtatggaaa  | ccaaatctat  | 3623340 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| taccatagag  | tatccagcaa  | cctttgtcgt | tgataggatt  | ttctgcaatt  | ggaattttct  | 3623400 |
| tgcaacctct  | atggtaatat  | actgattgat | taatagataa  | tcattttttt  | ataaacgatg  | 3623460 |
| tgttattttat | acataagtct  | cgaggaactt | cacatgacct  | tctggaacta  | cttccagagt  | 3623520 |
| tttggttgta  | gcagggaaca  | gaacagattc | tccagcctgc  | atctgaagtg  | tatgtccttc  | 3623580 |
| gttgctcggtt | actgtacaag  | cacctttcat | gcagatataa  | atgacaaacg  | aatccaattc  | 3623640 |
| agtataatcc  | atgctcatct  | gttcggtcag | atcataaaca  | gaagtgggtga | agtaaggaca  | 3623700 |
| agtcaccagc  | tctaccggtt  | cattctgttt | tggagtataa  | tgagtgcggt  | aatcttctga  | 3623760 |
| tacggtataa  | tcgattgcgt  | ctttagacaa | ttcagtatgc  | aattcgcggg  | tattgccggt  | 3623820 |
| tttgtcttta  | cggttgaagt  | cgtagatacg | gtaagtaatg  | ttagagggtct | gctggatttc  | 3623880 |
| agcaatgaaa  | cagccggctc  | caatgctgtg | gatacgtcct  | gccggcaaga  | agaatacatc  | 3623940 |
| acccggctgt  | acagcatagt  | cggaaagtgc | atcgcagatt  | gtattgtcgg  | caatcatagc  | 3624000 |
| agcatactgg  | tcgggagtaa  | tctgtttgct | caggcctgaa  | cgcagggtgtg | cttttcctcc  | 3624060 |
| atcgttacct  | atcacatacc  | acatttcagt | ttttcccata  | gagttatggc  | gtttcatggc  | 3624120 |
| cagttcatca  | ttggggtgaa  | cctgaataga | caagtcttgc  | tgtgcatcga  | tgaattttat  | 3624180 |
| caacaaaggg  | aatttaccat  | tgaagcgctt | gtagttgctt  | tcgcctacca  | gtgcaccttt  | 3624240 |
| gtattcgctt  | accatttgtg  | taaggttttt | gcctgcatcg  | gctccatcgg  | caacgattga  | 3624300 |
| ctcatcacct  | ggaacgtctg  | atatttccca | gctctcacct  | acttgtgcct  | gctggcagtc  | 3624360 |
| taagtgcctg  | aacggaatga  | ttttttctcc | tccccagata  | gtggatttta  | agatcggttt  | 3624420 |
| aaattttaaa  | gggtacataa  | gtgttataat | taggtttaca  | attgtaggca  | aatgtaacaa  | 3624480 |
| aaactcgtga  | tagttcaatg  | aatattttgt | ttattctgga  | gatgctctta  | tgggttcctt  | 3624540 |
| ggcggtttat  | ctttttctcg  | tagtgatttt | gcagctgatt  | agttctgtaa  | agataaacta  | 3624600 |
| tcttgagaga  | gcttccgtat  | ttttctgtta | tatctgtttc  | atccgaagtc  | tcaggaacct  | 3624660 |
| tattggatcat | tgtaataataa | aaggctgttc | caatcggaac  | agccttttgt  | tgaatagtta  | 3624720 |
| ttactatatg  | ttggacagaa  | aattaaattt | tgttgccaaa  | agtaaatattg | aatcctaaac  | 3624780 |
| tgacattggt  | attcagtttt  | cctactggaa | catattgtgg  | ggttactttt  | gtcatcaggt  | 3624840 |
| gatccatgcc  | aatgaagaag  | ttgaaaccac | atggatggaa  | gttcaatatc  | catccaaagg  | 3624900 |
| atgaacaaa   | tgatgatata  | ccgtaattaa | cacctgcatc  | aaaccatttg  | acgggagtta  | 3624960 |
| cattggccga  | aatacgtcct  | tcgctccagc | tatatttacc  | attaatacgt  | gttgaagaca  | 3625020 |
| agaacccgaa  | atgtaattta  | tcgtacaagg | ggaatgtata  | atctgctcct  | atattcaatg  | 3625080 |
| tagctcctaa  | tgcttttgtt  | gaactgcttc | ctgtttctga  | acgggtggaaa | cttgcataat  | 3625140 |
| tttcaacgtc  | ttttcctaaa  | tcttccaact | gatcttccaa  | tggtttgtcg  | ccagcagcat  | 3625200 |
| catctgatcc  | cattgctata  | ttctggaaac | ccttgaactc  | ccacggagta  | ttgctcgttt  | 3625260 |
| tagctttaat  | cgtattactc  | caagagataa | atcctaaatc  | gagaacggct  | gctgacagcg  | 3625320 |
| ttaaactctt  | acgaagcttg  | taagtcgctc | ccaagtcgac  | agccataccg  | aaacctgtaa  | 3625380 |
| ggccgggact  | gtctaaatcg  | atattgcccc | agtctatcaa  | gtctttttct  | gatggattgt  | 3625440 |
| tgatttcttt  | tttactttct  | tctttggtgg | gcatggttaa  | ccctttttaca | gaggcattca  | 3625500 |
| tctctccggt  | agcctgaacc  | atccacttat | cttccgccat  | ctggactttc  | atatctgtca  | 3625560 |
| ttttgagatt  | gacgttacc   | atacctaaca | gaaattttaa  | tttaccgccg  | acattttaatt | 3625620 |
| tatcattgat  | ctgacgagaa  | tgtcccagtg | ctattttctgc | atagttgttc  | gatgaaatac  | 3625680 |
| ctaaatcatc  | catctcatat  | acagagttgc | tgctattcat  | tcctagtttc  | atgaattcga  | 3625740 |
| agagtccacg  | aggtaaattc  | aggctggttg | tagaacgcat  | gttgatatca  | atcgtgttaa  | 3625800 |
| agcctcccca  | tgcacggaat  | ccagcagaaa | gcaatgtcat  | attcagggtct | gtattgatac  | 3625860 |
| gggtattgtc  | tttcaatttg  | ccgaggaatt | cactgctgct  | gatgttgccg  | ttcatgaaag  | 3625920 |
| ttgtcagctt  | attattttcca | tacggataga | taaaagattt  | taagccaaca  | ttcgattgag  | 3625980 |
| ctcccacatt  | gatattaccg  | atgaccggaa | tggctacata  | attgctgttc  | ggagcaaagg  | 3626040 |
| ccgggttcat  | caaatgacga  | tatgtatatc | cttcgagaaa  | atagccggaa  | tgtgaaggatt | 3626100 |
| gtgcagaagc  | ggatgtaccc  | aagcatataa | aaattgtagc  | tgtaaaaagg  | tgaatatatgc | 3626160 |
| tattcttttt  | catataattc  | aatgattggt | attttatag   | tttaattaat  | tcagatcaac  | 3626220 |

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|            |             |             |             |             |             |         |
|------------|-------------|-------------|-------------|-------------|-------------|---------|
| ggtaacgccg | ccctttactt  | ttataacat   | tttgtccaag  | cggaggtatt  | gattcttgtt  | 3626280 |
| caggattttt | ccacttggtt  | cagcagatga  | agttgctgca  | acttcatagc  | taagtccgtc  | 3626340 |
| tagttgcttg | aatacattgg  | catctgttgc  | tttcaatgta  | atttcaagtg  | gggttgctac  | 3626400 |
| tcccttgtct | gaaataacctg | ctgctatttt  | acttgaaact  | gttgtagaga  | tttcattcaa  | 3626460 |
| tgtctttccg | tccttatcta  | ttgcgtttac  | agtcatatcc  | attgtcagag  | gaatggtatt  | 3626520 |
| ggttgcttcc | atcgaaacaa  | ctagttcctt  | tacagaaagg  | tctttaatat  | ctttattcca  | 3626580 |
| atcattaata | atgtcactgt  | aaacaatggt  | tgttccttca  | ttgaattcca  | aaggagcatt  | 3626640 |
| tatttcataa | tctgtcttaa  | cattgtatgt  | gcttcctaag  | tcgatggtac  | atttcttgtc  | 3626700 |
| ggtagctttt | gtctcgatgt  | tgtccatacg  | aatttcatca  | ggaattgttt  | ctattaaatc  | 3626760 |
| attcaggttt | tcaactgtta  | cgctggcatt  | agcgccttct  | acattctcgt  | tcagtctgtg  | 3626820 |
| caggcagata | atgtaatcgt  | tatgattacc  | aggtatggtt  | atcaaatttg  | gagactgtcc  | 3626880 |
| aacaggaaca | gatgcaagca  | gtttaccgcc  | cttatatgat  | tttaatacac  | cattaaagtt  | 3626940 |
| tatttcgaca | ggagaagtgt  | tgctgaccgt  | caggtatatt  | ttaggatcag  | tcatatctat  | 3627000 |
| tttgactttc | tcgtctttca  | agaaatcggg  | caaattgttt  | attgtgatag  | gatcgattga  | 3627060 |
| tacattaatt | tccggatcga  | cttgtgctgt  | aacttgagtc  | agttggattt  | cgtcaatctt  | 3627120 |
| aaatgctgta | ttcatgatca  | tctgaatagc  | acttcctcca  | gtagttgtac  | tagttccgct  | 3627180 |
| tatttttata | tcgtctgcaa  | tgactaagtg  | tcctggagca  | accagtcctt  | ttccttctcc  | 3627240 |
| catcgattca | aaatcaatgt  | gtgtaatatt  | taggaaaatt  | tttagtggtg  | aagtttgga   | 3627300 |
| aacattgata | tcctgtatga  | atgtcaagac  | acttcctact  | atcttaactc  | gctggctctgt | 3627360 |
| tgtggtgata | gtcatgtagt  | caggaaactc  | aatttggaa   | ccttttttga  | gtgtcagtga  | 3627420 |
| attactccct | tccacgttca  | taagtaacga  | tgacggcata  | ataacgtctg  | aactatataa  | 3627480 |
| tttggttacg | tcagtcgtta  | tgtttctttt  | atcaatgctg  | aaggaggtct  | tatcgtttac  | 3627540 |
| tgttgcttcc | agtgtaccac  | tcggcaacat  | catatagttt  | aattctgttc  | ttgcagactg  | 3627600 |
| gagtgcgatc | tcactcgatt  | tgatggtgat  | ttcttcaata  | gaaacacgag  | tgctcggaacc | 3627660 |
| tttgccgtgt | tgagaaagag  | tataattgcc  | gttagcgta   | gctttaactg  | tactctcttc  | 3627720 |
| gtttaagtcg | aaaattttct  | ctagtgtgat  | gtttttggtg  | ttgcttgctg  | gaatggttag  | 3627780 |
| attctcgccc | cctaccgtca  | ctgtcatgtc  | gagatcctta  | cttaaatcat  | actcactatc  | 3627840 |
| tacgcatgat | agcatacaac  | tggatagtag  | tacaaatgca  | caagaaaatg  | ttttgtttgt  | 3627900 |
| cagtcgtttt | tttcatgaaa  | taattataat  | taataagtaa  | caaataatcg  | tctttctgat  | 3627960 |
| aaaaagtcca | aataatgtat  | ctgtgcagat  | aattactgat  | gatgcttatg  | tgaagaggaa  | 3628020 |
| taaatccttc | actttattaa  | ttttaacaat  | aaaaacgtaa  | aaatgtttat  | aattgttcac  | 3628080 |
| ttctgattta | gaataaatat  | tgtatgtagc  | tataggtaat  | tttatcaatc  | cccaatatat  | 3628140 |
| taccaataaa | atattgctgt  | ccgataaact  | ttcgagacga  | taaaagcggt  | gttcttcccc  | 3628200 |
| tattgggaaa | gttttatcgg  | acagtaatat  | aaacagaaac  | ttatgtttta  | agtatctgtt  | 3628260 |
| ctttgttttt | gcttataacg  | gtgctacttc  | tgtaagtacc  | tgatataccg  | agctgcatac  | 3628320 |
| tcccagcagg | ataactccca  | tcaggcagat  | aaagagacag  | gcacgggtca  | tcgtactgct  | 3628380 |
| cttgaatgta | gccagtggcg  | tatcgtttgg  | agtaatgtac  | atggccttga  | caatcagcag  | 3628440 |
| gtagtaatac | aatgagataa  | ttgtattgac  | caatgccagg  | aatactacca  | gccagtggcc  | 3628500 |
| tgcatgaaat | gccgaagcaa  | atacaaagaa  | cttagagaag  | aagcccga    | aggaggaat   | 3628560 |
| acctgccagt | gagaacaagg  | cgatagtcac  | gacgaaactc  | agtttcggat  | tcgtcttgta  | 3628620 |
| gaagccgtta | tatgcgtcac  | ggtctactac  | acctccatta  | tggtgttcta  | cggatttgat  | 3628680 |
| aacaccgaat | acagccaagt  | tggcaacgat  | gtaaaactact | acataatata  | ccaatgaagc  | 3628740 |
| cattccctga | gccgaggcac  | ccagtacggc  | cagcatgatg  | taaccggctt  | gtgaaatact  | 3628800 |
| actgtatgcc | ataaagcgct  | tcaagtcctt  | ttgcaggata  | gcaaataatgt | tggttatagt  | 3628860 |
| gatggtcaat | acgatgatta  | cagaaagcag  | caagctccag  | ttgtcaatca  | tcggggtaaa  | 3628920 |
| tactttcagc | aggatgctca  | tcaacgcaaa  | ggcagcagct  | cctttcgaaa  | tgacagaaag  | 3628980 |
| gtaagcactg | acagttgtcg  | gagctccctg  | gtaagtatca  | ggtgtccaca  | tgtggaaggg  | 3629040 |
| aacaaggctc | agcttgaatc  | ctaattccggc | gaagaacaag  | accattgcca  | gtatctgaag  | 3629100 |



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|            |            |            |            |             |             |         |
|------------|------------|------------|------------|-------------|-------------|---------|
| cggactacct | accagttgtg | tactcaggtc | attgaaatac | atcggtccgc  | acgtaccata  | 3629160 |
| tactaatgac | aaaccgtaaa | gcatcaatgc | tgatgagaac | atggcattca  | aaatgaattt  | 3629220 |
| agctccggct | tcagcgctgt | ggtgacgata | tttgtcgaat | gcgataagac  | aagccatcgg  | 3629280 |
| gatgctggcc | agttcgagtc | caacatagaa | cagcaggaag | ctgcctgcac  | tgaccatgta  | 3629340 |
| gtacataccc | aataaggtag | agagtgtcaa | cagataaaat | tcacctgcct  | tatggcgagt  | 3629400 |
| gtcttcacgg | ttcagccagg | tatctgcttg | cataaatacc | agcaaggtac  | ccagtgtaa   | 3629460 |
| gataatcttt | acaacagagg | tcacggaggt | atcttgaaac | atacctccaa  | atgcttctcc  | 3629520 |
| actggtggta | gaaccgaata | tattgttaag | tagcaggatc | acaagcaatg  | cgcaggaaag  | 3629580 |
| tctttgcatg | ttcttcggag | acggcgtctt | ctgaaataaa | tcggcaagta  | gcacgatgat  | 3629640 |
| cagaacgatt | gccaaaccga | tttctgcctg | catggtgtgt | aaagttgtta  | ttatatccat  | 3629700 |
| aatgcgttat | aattgacaaa | gttgtgaaat | aataggttct | acactgccgc  | tgattacatg  | 3629760 |
| acttaccag  | taaggagcca | gacctaatcc | agctacagcc | acgataaggc  | agatgacggc  | 3629820 |
| gaagcgttca | tcccaagttg | catcggtcag | tttcagatgt | tccgggttgg  | tgcaggatcc  | 3629880 |
| atatagtatc | ttaccaacta | cacgcaagat | gtagactgcg | gtaatgacga  | tactcattgt  | 3629940 |
| agcaatgatg | gtgcatacac | ggtggaaaac | atctgcatgc | tggaaagatc  | caacgaatac  | 3630000 |
| agtcatttct | gcaacgaaac | cgcttaagcc | tggaaagacc | aggttagcaa  | gaccggcgat  | 3630060 |
| aacgtatccg | actgcaagga | aaggcatgat | tttcatcaga | cctcttaact  | gacggatata  | 3630120 |
| acgtgtgtga | gtacgaccgt | aaatcatacc | gatcaacgcg | aagaacaagg  | cggatcatcaa | 3630180 |
| tccgtggctc | aacatctgaa | ggatagcacc | tatcgactt  | acctttgtca  | tcatcagcaa  | 3630240 |
| agcaaacaac | accagtccgc | agtggcttac | tgaagaatag | gcgttgatgt  | atttcaagtc  | 3630300 |
| ggtctgtact | acggcactga | aagcaccgta | tactactgaa | atggttgatc  | gtaccaggaa  | 3630360 |
| gaaatctccc | caaatagcag | cacctgttgg | catcaggaa  | atggcgatac  | ggaagcatcc  | 3630420 |
| gtagcctccc | agtttcatca | atagccggc  | atgcaacata | gatacggcag  | tccggcgctga | 3630480 |
| agcatgaccg | tcgggggtcc | atgtatggaa | ggggaataaa | gcgccaata   | caccaaatac  | 3630540 |
| gaggaatacc | atcgggaaga | aaacgcgctg | tatttcggtt | ggtatctgta  | atttgacaat  | 3630600 |
| ctcaaggatg | ttcatggttt | cacctccggc | accgtagaag | ataccagaa   | taccaatcaa  | 3630660 |
| caggaaggca | gatcctccca | tcaacatcag | cgtagatttc | attgctgcat  | attcttttct  | 3630720 |
| gccgctaccc | catacaccga | taagcaagta | catcggaaat | aaggcaactt  | cgtagaacat  | 3630780 |
| gaacatggtg | aacaagtcgg | tagaaataaa | gaaaccgaat | actccagtac  | tcaatagggg  | 3630840 |
| aaaccagagg | aaatatttct | tagtcaacgg | tttcagcttc | catgatgcaa  | aggttccagt  | 3630900 |
| aaagacgatg | atggaactca | gtaaaagcat | gacaaccgaa | atgccatcta  | caccaaccga  | 3630960 |
| ataagcaata | tgtaatggag | cataccaggt | aatgctgtct | gtgaataaca  | tttcttctgt  | 3631020 |
| agctccgccg | tttcgtagtc | ctatataaga | aactgtcagg | taggtagcaa  | gaatcaacag  | 3631080 |
| aagtgttgag | ccggctacca | ttactcctct | tacctggttc | acgttgccgc  | cgatccatag  | 3631140 |
| tccgagcaac | atgagcagag | gaattaaaac | aaaaagactt | aatatattca  | taataactaat | 3631200 |
| aacatgacgg | ttaatactat | aactccgccc | aggaaccaca | tgggtgtagct | ctgaacttta  | 3631260 |
| ccattttgta | gaggctgtac | gctttcgccg | gcagcatttg | tactccatgc  | catgaagtcc  | 3631320 |
| atgaactggt | cgataacgtg | acggtcgaac | catgcaagtg | gagtagagat  | acagcggaag  | 3631380 |
| ataatcttct | tggtgacgaa | catccagatt | tcatccatat | agaaacgtct  | gtatgctgca  | 3631440 |
| cgatgcaagg | tactgaaacg | ttttgccagc | atgtctgcaa | cgggctgttt  | atcgcggtgc  | 3631500 |
| tacatccatg | tagcaagtac | aatagctatg | acagctacga | tgacactggg  | tatagctact  | 3631560 |
| tgtgcgttga | ggtgaatatc | gtatgcttca | ccgttagccg | aaacaaagtg  | tccgaaagga  | 3631620 |
| agaatccatc | cgcagacgat | ggttacggca | gcaaggaaac | tcaacggaaa  | ggtcatagtc  | 3631680 |
| agaggacttt | cgtgaggaac | gtgctctgca | tgaagttctt | tgttctctgt  | accccagaag  | 3631740 |
| attccgtagt | ataagcgga  | catatagaaa | gctgtcatat | cagcaatgat  | tgtcatgatc  | 3631800 |
| catcccatca | ccgggctgaa | ctggaagcag | gcagtcagaa | tctcatcctt  | cgagaagaaa  | 3631860 |
| ccggagaacg | gaggaatacc | ggcaatggcc | agacaggcaa | tcaggaaatg  | gatgtgagtg  | 3631920 |
| ataggcatgt | atttgcgaag | tcctcccatg | gtagacattt | cgttgctatg  | tactgcgtgg  | 3631980 |

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|            |             |             |            |            |             |         |
|------------|-------------|-------------|------------|------------|-------------|---------|
| ataatacatc | cggctcctaa  | gaacagtaag  | gctttgaaca | tggcatgagt | gaacaggtgg  | 3632040 |
| aacattcctg | ccatataacc  | taaaccgcct  | tcgtgcgggc | tgttggaagt | acatacacca  | 3632100 |
| agtgaacca  | tcatgaaacc  | aatttgtgag  | attggtgaaa | aggcaagtac | acgtttgata  | 3632160 |
| tcgctttgtg | cacaagctac  | agatgctgca  | tagaaagcgg | tgaatgctcc | tacataggca  | 3632220 |
| acccagtga  | gggtgtgggg  | agcaaattccg | ataaataacg | ggaacatgcg | ggctaccagg  | 3632280 |
| tagacacctg | caacaacat   | tgttgccgca  | tgaatcaggg | cgctgaccgg | agtcggacct  | 3632340 |
| tccatggcat | caggcaacca  | gatgtgcagc  | gggaacatgg | cactttttcc | agcaccacct  | 3632400 |
| acgaacatca | gtcccagggc  | ccaaggaagt  | accattccgg | ctttcatcag | ttgctcttca  | 3632460 |
| cccggagtga | aagtaaaggt  | gtgcatgtag  | tagccgtaaa | tcagaatacc | gatcaggaat  | 3632520 |
| cccaggctcg | caaattcgggt | aacgatgaat  | gctttcttgc | tggctgcat  | agcttccgat  | 3632580 |
| ttcgtatagt | agaagccgat  | gagcaagtaa  | gaagaaacac | ctaccagctc | ccagaacaca  | 3632640 |
| tacatctgga | aaatattcgt  | agcgaggaca  | agtcacagca | tggagaatgt | aaagagcgac  | 3632700 |
| aggaatgcgt | agtaacgctg  | gaatcctttt  | tctcctttca | tataaccgaa | tgagtagatg  | 3632760 |
| tgtaccatca | ggctgactgt  | agagatgact  | accagcatca | tgaccgaaat | aggatcgagc  | 3632820 |
| aggattccca | tgtcaatatg  | aaggagatcg  | gtgaaaggca | gccactggat | gttccatgga  | 3632880 |
| gtcagtgtcg | ggaatactcc  | ttcggcagta  | cgtggcgtcg | taaagtaatt | gatagcgggtg | 3632940 |
| aggtaactca | atacggtaac  | tatggccagt  | gagagagttc | cgatcagccc | cgctacacga  | 3633000 |
| tgcttcatga | acatgcctgt  | cagtcaccag  | atcaggaagc | ttagcacagg | cagtgcgagt  | 3633060 |
| atcagaattg | tatatcccat  | aatcaaaata  | ctgttttagt | tatcctttca | gatcggtaat  | 3633120 |
| atcatcggtc | aagatttgtt  | tgatattgcg  | gtacacatta | ataataatgg | caatggcaac  | 3633180 |
| agcggtttct | gcggctgcga  | tagcgatacc  | aaacagactg | aagaaatgac | cttccagatg  | 3633240 |
| atccggaaaa | aggtaacgat  | tgaatactgc  | aaagttgatg | tttgttgcgt | tcagcataag  | 3633300 |
| ctctaccgag | atgagcaggg  | caagcaggtt  | tttacgggta | aagaatccat | aaattccgca  | 3633360 |
| gaacatcata | atggtactga  | tgaccagata  | atgtattacg | tgtatttcta | tttcataat   | 3633420 |
| cgtaattttt | tatttttcct  | ttcttgctat  | cagaatacca | ccgatcatal | atgccagcaa  | 3633480 |
| caagatgctg | actacttcga  | acggcagaac  | aaactggtat | tttcagtagc | cgatcagtgc  | 3633540 |
| cagaccgatt | tcgcgagccg  | gtaattccac  | tccttgccga | atcatgttaa | gcgcaaatcc  | 3633600 |
| gttggtgaag | accaggaaca  | ataccaatgt  | agctccaatg | actgtcgtaa | gcagtacact  | 3633660 |
| gacgagtttg | gcacggttca  | tccggtattt  | catgtctttg | tccgactggg | tcagcaggat  | 3633720 |
| ggagaataca | tataatacaa  | cgatacctcc  | agcgtatacc | attaactgta | cagcaccag   | 3633780 |
| gaaggtatat | cccaatacgc  | cataaatagc  | tccggtgccg | aacagcacga | aaagcagata  | 3633840 |
| agtggcggca | cgtaagattt  | ttccagttgt  | tactgccagt | acggaaaata | ctgcaatagc  | 3633900 |
| tgctgcaaca | acatagaata  | cgatttcttg  | aagtgttaat | tccatattct | ctccttttta  | 3633960 |
| tttagcaagt | gttgaacctt  | cgtggtttag  | tgtagcaggg | agcttatctt | tttcgaagac  | 3634020 |
| tgcattttca | aaatcgtttg  | tgaacttgat  | agctccatga | gggcatgcgt | tgacgcataa  | 3634080 |
| ctcacagaac | atgcatgagc  | ccagattgta  | ttggtatttc | actaaaacct | ttttcttttt  | 3634140 |
| accatcttca | tcttcgcgca  | tttcagaaat  | aaccttgatg | gtgccgttag | ggcaggacat  | 3634200 |
| ctggcacaag | ccgcaggcta  | tgcagtgatg  | atggttctca | ctgtcgtgta | tcataacaag  | 3634260 |
| ctttgcgcgg | tgacgttcgg  | ggatatgcag  | cgtagtatga | cggttttccg | gatactgttc  | 3634320 |
| ggttactttg | ggctgccaga  | atactttcat  | ggacgtgcgc | ataccgatca | gcaggctctt  | 3634380 |
| tactcctgaa | gcaaattcctt | ttatatattc  | actaaaactt | tccataatgt | tttgttgata  | 3634440 |
| gcaattccta | tcttatcggg  | tgattaaaaat | gttaattcaa | aaactttaca | taaggccata  | 3634500 |
| accagcagta | caaccagtga  | aagcggcatc  | aggtattttc | attccagtgt | aagtacctgg  | 3634560 |
| tcgatacgca | gacgagggaa  | tgtccagcgg  | atccacatca | gcaggaaaac | aatgaagaaa  | 3634620 |
| gtttttccta | cgaaccagat  | tacacccgga  | atataatcca | tgacagcggt | gaatccgtcc  | 3634680 |
| agtccggcga | tatgcaatgg  | catccagcct  | cccaggaaga | gggtagtggc | gataccggca  | 3634740 |
| gtaatgaata | agttcaagta  | ttcggccagg  | tagaagaatc | cgaagtgcac | accggaatat  | 3634800 |
| tcggtatgat | aacctgcggt  | aagttcttgt  | tcagcttctg | caaggtcgaa | cggaccacgg  | 3634860 |

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| cccttgaaga | tattccatcc  | gtcagcttgt | ccgcttacga  | tttgctggat  | atccatggta  | 3634980 |
| ccgctcagca | tgaccattgt  | cagtactgtc | agtccgatag  | aaagtccata  | actgataatc  | 3635040 |
| atggcaccgc | ttcgtacggc  | tccgatgatg | gtatatttgc  | tgttactact  | ccatccggca  | 3635100 |
| agcaggatac | ccaaaacacc  | gatagatgag | gcagcaagtg  | caaagaagat  | accgatgttc  | 3635160 |
| atgtgaagaa | tttctcctcc  | cttattccat | ggcaggcatg  | agaaggttaag | gatggaagcc  | 3635220 |
| agtataacca | agaatggagc  | aagggtataa | aggaagtgat  | cggagtctct  | cagttcgtatg | 3635280 |
| atttcctttg | tcaggatttt  | gataacgtcg | gctggtacct  | gtagcaagcc  | tcctttacct  | 3635340 |
| cctacacggt | tcggaccgat  | acggcactgg | aaagctgcgc  | agactttacg  | ctccatataa  | 3635400 |
| attaatatga | tggcaagtac  | ggcatacagc | aacaagatta  | ctacgcctac  | taccagtcct  | 3635460 |
| tccagaaaga | tagccagccc  | ttccggcatt | acactgcaca  | gggcagagtg  | gattgtcagg  | 3635520 |
| aaaagcgggt | caagattata  | ataatctaaa | aacatatact  | ttaaattaga  | aatgataaat  | 3635580 |
| taagaaagct | gttatctgtc  | tatatccgga | attacatagt  | ccattgaacc  | tccgattgca  | 3635640 |
| atcaggtcgg | caatcttgtt  | gcctttgcag | actgtatcga  | gggcatgtac  | caatggaagt  | 3635700 |
| ccggtagaac | ggtaatgcag  | acggtacggc | gttttgtcac  | catggctttc  | cagcattacg  | 3635760 |
| ccaaattctc | cacggctgct  | ttctactgct | gccgaataat  | tgccttccag  | taatttgatg  | 3635820 |
| attggtttgg | tcttgacacg  | atattctcct | tccggaatat  | tatcaatcag  | ctgttcgatg  | 3635880 |
| atatgacagg | attccatgat  | ctcgtccata | cgtaccatgt  | agcgtgcaaa  | tgaatcacct  | 3635940 |
| tccgtataag | tgatttcctt  | gaaatcgact | ttgccgtaca  | tggcgtaagg  | atgatgctta  | 3636000 |
| cgtacatcat | ttgccagacc  | tgaagcacgt | ccggaacctc  | ctgttactcc  | cagtgaagata | 3636060 |
| gcgtcttcac | ggcttagcac  | tccgattcct | ttcagacggg  | tagtagcaat  | cacgtttccg  | 3636120 |
| gtaaagatat | cgtgatagtc  | tttgatgaca | ctacgcaggt  | gcttgataaa  | ttcttttacc  | 3636180 |
| ttgcgctgga | agtctggatg  | cagatcggct | tgtacacccc  | caatcatgtt  | atagttttgt  | 3636240 |
| atcaagcgct | cgccggttgt  | ctcttcgaag | atgtcgagaa  | tcatttcacg  | ctcgcggaag  | 3636300 |
| ccgtagaaga | acggagtcag  | acctcccata | tccattacca  | gacaagaata  | gaacagcaag  | 3636360 |
| tgagagtcaa | tacgttgag   | ttcatccatg | atggtacgga  | tgtactgtgc  | gcgttcggat  | 3636420 |
| atctcgtatg | ctgctgcctt  | ttcaatacac | atacacaatg  | catgacgggt  | ctggtgtgca  | 3636480 |
| ctcagatagt | ccagacggtc  | ggtcagtgc  | agtgtttgcg  | gataagtcag  | actttcattc  | 3636540 |
| atcttctcga | taccacgggtg | gatataacca | cagataggat  | cgactttgct  | gatggtttca  | 3636600 |
| ccttcgagtg | aggtacgcaa  | acgaagaaca | ccgtgagtgg  | acgggtgctg  | cgggccgatg  | 3636660 |
| ttgacaacga | agtcctgctg  | tccgaaaacg | atatttttct  | tatcggcgat  | agttccgtcc  | 3636720 |
| ggattgaggt | aatattcatc  | ggtaatatcg | gcatttttct  | cgttctccat  | attcaatgga  | 3636780 |
| ttggaatcca | tgtcgtaatc  | tttacgcagc | ggatagcctt  | tccagtcttc  | acgcaagaac  | 3636840 |
| aggcgtcgca | tatccggggt  | gttcaggaag | cggatgccga  | agaaatcgaa  | tacctcgcgt  | 3636900 |
| tccttgattt | ccgctgtttt  | ccacaagtcg | caaaccgaag  | gcagataagg  | gtgttcgcgg  | 3636960 |
| tcggttgtcg | atgtcttgag  | tacgatgcgg | ctgtaagtct  | tgtctggattc | cagataataa  | 3637020 |
| agtgtcccca | gaccgccttc  | ctgccagtcc | attcctacca  | catcccgcag  | gaagtccatc  | 3637080 |
| ggctcgtcct | tgtcatttct  | caaggcttcg | gctacttgat  | ggaatgattc  | tgccggaatc  | 3637140 |
| gttaccacct | ggtcaccttg  | ttcggcgact | gtgataacctg | gcactaatcg  | ggaaattttt  | 3637200 |
| tctattatat | tcataaatcg  | ctattttcct | gtcgtttact  | atttttcact  | atcctcttgt  | 3637260 |
| ggttcggggc | ttttctcctg  | acggttgacg | cctccgagga  | actttttccac | tttaatttta  | 3637320 |
| cgctggagct | gcatcatgcc  | gtagtaaaag | gcttccggac  | gtggagggca  | tcccgggata  | 3637380 |
| tatacatcga | ccggaataat  | tttgtcgata | ccgtttacta  | cgtggtatga  | tttgatgaac  | 3637440 |
| ggaccacctg | aaatagtaca  | tccacctacg | gcgatgacat  | atttaggatac | ggccatctgg  | 3637500 |
| tcatacagac | gtttcaatac  | cggagccatt | ttataagtga  | tggttcccaa  | taccatgatc  | 3637560 |
| atatcagctt | gtcgaggaga  | gttacgggtt | acttcgaatc  | cgaaacgtgc  | catatcgtaa  | 3637620 |
| cgtgtgtctc | ccaatgccat  | aaattcgatg | gcgcagcagc  | tggtagcgaa  | ggtaagcgac  | 3637680 |
| cagagtgaat | tacttcttcc  | ccattcgata | agttcatcaa  | ttgttccgat  | gatgactcct  | 3637740 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gcaccgtcgc  | ggttcagttc  | gtctaccatg  | cgttgcaagt  | agtcggtgtt  | cttgaactca  | 3637800 |
| tcgtattttca | tcgagcggat  | ttgaggtttc  | tttattttcca | ttccagcgct  | cctttccgcc  | 3637860 |
| aagcataagc  | caggcctaata | attaatacta  | ataagaaaaa  | tgccacacac  | accagtgcac  | 3637920 |
| aggttccgac  | ttcgttgact  | actactgcc   | acggaaacaa  | gaataccggt  | tcaatatcga  | 3637980 |
| acatcaggaa  | caagatggca  | aacaggtaat  | atcctacctt  | gaattgtacc  | catgattgtc  | 3638040 |
| ctcgtgtcgg  | tataccacat  | tcgtaagggt  | ctcctttctg  | tggattgaac  | gaccgcggtg  | 3638100 |
| caataagctt  | tgcgattgtc  | atagcggcta  | ccaccagagc  | tatggccgct  | agaatgacga  | 3638160 |
| caattaaaaa  | tgtgaaaaac  | ataaataaaa  | ctttatattg  | acaatacttc  | ggtaaatttt  | 3638220 |
| taccgataaa  | ttaaaattaa  | acatagaatc  | ggcataatcc  | ggttcaaaaat | tatattcaag  | 3638280 |
| agatcattga  | aatactgtca  | agaataaatc  | gtcaaggagt  | aagaaaaggg  | atgaaaaaga  | 3638340 |
| tatgctaaac  | agctgaaaat  | caacagaaaa  | agtatttcat  | aattcactga  | tttttagtaa  | 3638400 |
| attagaagta  | cttcaccact  | tttaattatg  | actaaagaat  | cactccttat  | gcaataccaa  | 3638460 |
| tccgagtga   | gaaacgctct  | cgaatcagct  | gtaaatataa  | gcaaactctt  | tcagaaagta  | 3638520 |
| ttcatggatg  | caatgaaatt  | attcatggct  | atacctgacc  | gcatcaattt  | cctacaaatg  | 3638580 |
| ggacggatg   | gatgtttctc  | ggaacagaca  | taccgcaaca  | attttgagaa  | cgacggcttt  | 3638640 |
| gactggtttt  | ccttcaatga  | agccatcatc  | agggaaacacc | ttaaagggtg  | tcgcaaggcg  | 3638700 |
| atagccggtg  | atccgtcttt  | cattccaaaa  | tcaggcagca  | aaacgccgtg  | gattggctat  | 3638760 |
| ttctgggtccg | gttggtgccg  | tgaatacaaa  | cgtggactgg  | aaataaccgg  | tattggagtt  | 3638820 |
| atagacgttg  | acaaccatga  | atgtatgact  | ttgggctctg  | tacagacacc  | tgacaacgca  | 3638880 |
| acgctggaaa  | gctgtgagaa  | gaatcttggt  | gactggtaca  | gctcttacct  | tatcagcata  | 3638940 |
| caggaacagc  | tgaaacgtat  | ttctggcaca  | gtcgtgtgtg  | atgcgttctt  | ttcaaaggca  | 3639000 |
| actttcatca  | aaccattgta  | cgataacggg  | ttccacgtaa  | taagccgttt  | caggaatgat  | 3639060 |
| gccgtattgt  | tttatccac   | cttagaaaat  | aggacaggaa  | aacgcggacg  | tccaaaatta  | 3639120 |
| catgacgaga  | aaattgactt  | tgaaaatctg  | gacatcacia  | gatgtaccga  | gtacaaagtg  | 3639180 |
| aacaagggtg  | aactttacgg  | actgaaagca  | tactccaaag  | cactcaaacg  | ctttgtgagc  | 3639240 |
| ctggctgtat  | ggtagcccat  | ggatggaaga  | acggacaaat  | ggcagctgta  | tttctctaca  | 3639300 |
| aacgaaatac  | agaacgcaca  | ggatgtcctg  | gactttttaca | gaacacgttt  | ccaactcgaa  | 3639360 |
| ttctgctttc  | gggatgccaa  | gcaacatgcc  | ggaatagcaa  | actgtcagtc  | tacagacttc  | 3639420 |
| aggaaactgg  | cattccactt  | taatgcatca  | cttgcagcga  | taaacctcgc  | caaggctgcc  | 3639480 |
| tgtaagaaga  | tgggaataaa  | atattccata  | tcattcatgca | agtcagtcac  | acacaatgct  | 3639540 |
| tacatgcttg  | aacgatttat  | ttgcgtgtct  | gggattgaac  | caaacacgca  | attaattgac  | 3639600 |
| aaacttttca  | aagaactcat  | tttatttact  | gccagagccg  | cttaggctgg  | gctaattttt  | 3639660 |
| aacgaactat  | tgattgataa  | atcgtaata   | taactttata  | tggtaaaacg  | ctctttacca  | 3639720 |
| tataaataga  | aatgaatatt  | gaatctctct  | atcgttatag  | agaaactaaa  | tcaatatttt  | 3639780 |
| ttccagtgtg  | tagatataat  | aggagattct  | gttatagaga  | ggtaggtgat  | tgaagcatgc  | 3639840 |
| gaaacgctgt  | tgcttgtctg  | ttccgcgttc  | tgcttggcag  | atgaggctta  | cggcattttc  | 3639900 |
| tagtgctgac  | ttaaaatcat  | acgtattaat  | cgtatgagta  | attattgttt  | tgttaggtat  | 3639960 |
| atcgggtgtg  | ttttgtgttg  | acaaatactg  | aagcgttctc  | tctgcctcct  | gctgaggctc  | 3640020 |
| ttgaagtcca  | ctgtaagtgg  | aagtgtgaaga | aaaaagagat  | gaattgtcgg  | aagttggtga  | 3640080 |
| tggggcataa  | acaagattcc  | ctataatcgt  | tattataagg  | aacgaaaaga  | aaaatgcaat  | 3640140 |
| tattcttatt  | tgttcaccca  | tcattatacc  | tattctgaaa  | cggcagcaaa  | gatacatatt  | 3640200 |
| tatttttagt  | cttttttagga | agattgtata  | aaaaaaciaa  | atcttagtgg  | gtagattttga | 3640260 |
| ggtaaatcaa  | gtctttttat  | aaaaattgga  | aaagttggaa  | gattgcagaa  | aatgcagatt  | 3640320 |
| cgctttcaag  | aattttgtct  | tgctttttct  | atgtttattg  | acgtatatatt | acacaagcat  | 3640380 |
| ggatatcatga | acttggttta  | tctgacttct  | gaatgaagg   | ttgcgatggc  | tatcgggatg  | 3640440 |
| atggtatatc  | gtgctctatc  | ggagaattca  | caaaggaaag  | gggtatgtca  | atgcttggaa  | 3640500 |
| gattaaaaaa  | gaggagtcac  | attctctttt  | tcatattgat  | gttgaatatg  | agtcctcttt  | 3640560 |
| tgagcggata  | aactcctact  | agattatgga  | gtcgattcgg  | agattgctac  | ataaaaattg  | 3640620 |

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| taccagaca   | gaataccacg  | acatgatcgt  | tttctacgat  | tgtagtgtta  | cgggtaacca  | 3640740 |
| gtataccttc  | tccgtttctg  | ataagtcctc  | cgatggttgc  | tcctttgggt  | agccccacat  | 3640800 |
| ctttcacctg  | agaacgtgta  | atgctgtgagc | ctgccttaac  | cgtaaactct  | gcaacgtcgg  | 3640860 |
| cattggcgaa  | ggtcagacac  | tttacattcg  | aaacgtcggc  | atccagcatc  | atctgataaa  | 3640920 |
| tgtgactggc  | tgcaataaat  | ttcttggtga  | taaccgtacc  | gatataccagg | ctctctgcca  | 3640980 |
| tactgatata  | gtctatattc  | tctacttcgg  | ctacagtctt  | ggtaattccc  | agtcgtttgg  | 3641040 |
| ctgccagaca  | ggcaaggata  | ttggtttccg  | aatttcccgt  | cagtgcgacg  | aaggcttccg  | 3641100 |
| tgtttttgat  | accttcttcc  | agcagcagtt  | ccatatccct  | gccatcaccg  | ttgatgatca  | 3641160 |
| taaccttgct  | atctaccagt  | tccgtcaggc  | ggttgcagcg  | attgaaatca  | ctttcgaatga | 3641220 |
| ttttgggtccg | catgtattcc  | ggcatatact  | gtacgggtacg | cacggcaatc  | cggctgcctc  | 3641280 |
| ccatgatcat  | aacgttacgg  | atatcggtt   | cattctcttt  | gccggctatc  | ttccggatgt  | 3641340 |
| aaggaatgta  | tttctttgta  | gtggtgaaat  | acacgatatc  | gttttagcaga | atcgcacgt   | 3641400 |
| cacctcgtgg  | aataatggtt  | tcgtttcctc  | gtttgatggc  | tacgatgtgg  | aaaggaatat  | 3641460 |
| ttcttcctcc  | cagctcgtgt  | aacggaacat  | tcaatatctt  | tgccgtttct  | ctcattttcg  | 3641520 |
| ttcccagcag  | aacgagtgcg  | cctccggcaa  | attcccacca  | ttgacgaatc  | cagctcatct  | 3641580 |
| tgacggcatc  | cacaatctct  | ttggctgcca  | gcatctcagg  | atagatgagc  | gaatcgactc  | 3641640 |
| ccagtttggc  | gaagaattct  | ttatgtttgg  | gtaacaagta  | ctcgttaattg | ttgattcgtg  | 3641700 |
| ctactgtctt  | tttggcacc   | agactggctg  | caagcatgca  | cgccgtcata  | ttccggcttt  | 3641760 |
| catcgggggt  | gacagcaata  | aacaagtcgg  | ctcctgccac  | tccggcttcc  | ttcaatccc   | 3641820 |
| aaatagaggt  | cggggaaatg  | ttcacggtaa  | gcaggtcgaa  | attatttccc  | aacctgccc   | 3641880 |
| gtctttcctc  | atcgtcatcc  | ataaggataa  | tatcttgttt  | ctcaccgat   | aagagtttgg  | 3641940 |
| ccaggtgtgt  | ccctacagca  | cctgcaccgg  | caatgataat  | cttcatgagt  | tcagaatatg  | 3642000 |
| gattaatgta  | ttatagattc  | ccgtttggtc  | tatgccgcaa  | atggcgtgta  | gggcaccgac  | 3642060 |
| cggaccatgt  | tggataaaat  | ggtcggggat  | accagtcgt   | ttgaccattg  | gggtataatt  | 3642120 |
| gttgtctgac  | ataaaactcca | gaatggcact  | gccatttcca  | ccttttagca  | ctccgtcttc  | 3642180 |
| tacagtcacg  | atacgggaaa  | aattctttcc  | gatttcatgt  | agcaagtctt  | catccagtgg  | 3642240 |
| tttcaggaag  | cgcaggtcgt  | aatgtgctat  | actgcatttc  | tgtgtatttt  | cggtttcggc  | 3642300 |
| aatggccttt  | gccgtgtat   | ttccgatagg  | tcctatcgta  | atgacggcca  | gatcggaacc  | 3642360 |
| atctttgagt  | ttacggcctt  | tgccaacctc  | gacagctccc  | agcggacatt  | cccagtcggt  | 3642420 |
| ccgtactccc  | cgtccgcgtg  | gatagcggat  | cacgaacggt  | ccctggtcgg  | ggagctgggc  | 3642480 |
| tgtatacatc  | agccggcgca  | gttcttgttc  | atcgtacggt  | gaggcaatag  | tcaggttcgg  | 3642540 |
| tatcggccgt  | aagtaagcca  | tatcgaatac  | cccatggtga  | gttgggtccgt | cttcacctac  | 3642600 |
| caagcctgca  | cgatccagac  | acagcacgac  | gttgagcttt  | tgtatagcga  | tgtcgtgtat  | 3642660 |
| gatgttatcg  | tatgccggtt  | gcatgaacga  | agaataaatg  | ttacagaaaag | gtagcaaacc  | 3642720 |
| ttctttcggc  | atacctccc   | agaaggttac  | ggcatgtcct  | tcggcaatac  | ccacgtcgaa  | 3642780 |
| tgcacggtcg  | ggcattgctt  | tcataagat   | gttcatggag  | catcctgtcg  | gcatggcggg  | 3642840 |
| agttactccg  | atgattttgt  | cattctgctt  | agccagctcc  | agcaacgtct  | tgccaaatac  | 3642900 |
| atcctgaaac  | aaaggaggca  | taccactggt  | atcgtttaca  | attcgttctc  | ccgtttcctt  | 3642960 |
| gtcgaatata  | cccggagcat  | gccagattgt  | agcagcttcc  | tcggccgggt  | tgaacccttt  | 3643020 |
| gcctttgacc  | gtatgaatat  | gaagcagttt  | cggaccttcc  | atatccttga  | tttctttcag  | 3643080 |
| aaccttgggtc | agtacagca   | catcgtgtcc  | gtctactggt  | ccgaagtaac  | ggatattcat  | 3643140 |
| accttcgaaa  | atattctgtt  | gctgggagag  | cattgacttc  | aggctgttat  | taaaccggat  | 3643200 |
| caggcttttc  | cggcgttctt  | cattcaagac  | tccccactga  | tgcagctttc  | tggaatctt   | 3643260 |
| gtaccgcagc  | cggttataac  | cttccgatgt  | ttgcagatgc  | agcaagtact  | gtttcatgcc  | 3643320 |
| tcctacacta  | cgatcgattg  | ccatattgtt  | atcgttcagg  | ataatcaaca  | ggttattcgg  | 3643380 |
| ggtggaagag  | gcgttgttca  | gtccttcgaa  | ggccagtcct  | ccactcatgg  | aaccatctcc  | 3643440 |
| aatgacggct  | acgacatgac  | ggtcttcttc  | tcctttccgt  | gcggctgcta  | cagccattcc  | 3643500 |

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| ggccggtgaa  | ggaaaaggac  | ataaaccgtt  | cagtttccgg  | ttggtacaaa  | agcggtcacg  | 3643620 |
| gcgtccggtc  | agtatcttgt  | gtccgtacgc  | ctgatgccct  | acgtcccata  | caatgcggtc  | 3643680 |
| gtaaggcgta  | ttaaataatat | aatgaagagc  | aacagtaagc  | tcgataactc  | ccaaacttga  | 3643740 |
| gccgaaatgt  | ccgggattgc  | gtgaaagttc  | atctatgatt  | ttatccctga  | gctcccggca  | 3643800 |
| gacctcaggt  | aaagactcga  | caggaagttg  | acgcaaatcc  | ttcgggctat  | ctattttgtt  | 3643860 |
| caacaattcg  | taagaaatgg  | gttggtccat  | ccgatcttta  | ttcaatatta  | atttcacaaa  | 3643920 |
| aatacgataa  | atatgtgtat  | tgtgtttaca  | tttgcacaaa  | aaataatgaa  | cagtgtatac  | 3643980 |
| ctatggagtt  | tagaacgaaa  | gtagaattgc  | ctgtcgggtca | aggagaaatt  | cgtcattcgg  | 3644040 |
| atccgatatt  | gttgtgggga  | tcttgctttg  | ccgagaatat  | aggaaagcta  | ttgacggata  | 3644100 |
| ataagttcca  | ctgtgatgtg  | aatccttttg  | gcattctgta  | taatccactt  | tcaatcgcaa  | 3644160 |
| aatctgtgtc  | tttattgtct  | gacaataagg  | tgtatagtgc  | agccgattta  | cgttttgaca  | 3644220 |
| agggaatatg  | gtatagcctg  | atgcatcaca  | gttcgttttc  | ctcggctgac  | cagtcggagt  | 3644280 |
| gtctggaaaa  | gattaatttc  | cgtatggcaa  | aggggagaga  | aatgctgggc  | aaggcaaaat  | 3644340 |
| ggatgatatt  | tacatgggga  | acagcacgcg  | tgtacgaatg  | gaaagagaac  | ggagagggtg  | 3644400 |
| taggcaattg  | tcataaattg  | cccgaccgac  | tgtttacacg  | ccggttgctg  | gagggtggaag | 3644460 |
| agattgtatc  | ggcttttgcc  | tctctgcttg  | aacgcatccg  | tcagggtgaat | ccggagggtac | 3644520 |
| agttcctgtt  | taccgtgagt  | ccgatacggc  | atgccaaagga | cggcatgcac  | ggcaaccagc  | 3644580 |
| tgaataaagc  | cgtgctgctg  | ctggccatcg  | aaagattatg  | tcagctattt  | tcgtcatgcc  | 3644640 |
| attatttccc  | ttcgtacgaa  | attatgctgg  | atgaattgcg  | cgattaccgt  | ttctatgccg  | 3644700 |
| acgatatgct  | tcacccact   | ccgcttgccg  | tcagttatat  | ttgggaatgc  | ttttatgaaa  | 3644760 |
| gcttttttac  | tgcgataaca  | ctgctgttca  | tgaagagtg   | gcaggatata  | cggaaaggct  | 3644820 |
| tcgagcatcg  | tccttttgat  | gcaaaatcga  | cagcttatta  | tacattccta  | agtcaaatta  | 3644880 |
| tgtaaagat   | agaaaagcta  | aaagaaaaat  | tcccgtactt  | agacgtacaa  | aacgaaatag  | 3644940 |
| cattatgtca  | aactcgattg  | aagaaataac  | ctccgtcatc  | ggagccaaca  | ggatagggaa  | 3645000 |
| gcacccggca  | actattgact  | ggattcttac  | agacagccgt  | tcgctgtgct  | tccccgaaga  | 3645060 |
| aactttgttt  | ttcgtctctg  | agacaaaacg  | taacgacgga  | cacaaatata  | taccggaact  | 3645120 |
| ttatgccaga  | ggagtggagg  | actttgtggt  | aaccgatgtg  | cctgaaaatc  | tttctcacta  | 3645180 |
| ttctgatgct  | aacttcctgc  | aagtagctaa  | ttcgtgtaag  | gctttgcagc  | gtctggcctc  | 3645240 |
| caagcaccgt  | gagctgtatc  | aggtgcctgt  | ggtaggtatt  | acgggaagta  | atggcaagac  | 3645300 |
| agtcgtgaaa  | gaatggattt  | atcagttgct  | gagtccggac  | aaagtcatca  | cccgtcgcgc  | 3645360 |
| gcgcagctat  | aattcacaga  | taggtgttcc  | gttgtccgta  | tggatgatga  | acgaacatac  | 3645420 |
| cgagcttggc  | attttcgagg  | ctggtatatc  | tgaatggga   | gaaatggagg  | cgttgcagcc  | 3645480 |
| gattatacag  | cctaccattg  | gagtgtgac   | taatattgga  | ggagcacatc  | aggagaattt  | 3645540 |
| cacttcgttg  | caggataaat  | gtatggagaa  | acttcagctg  | tttaaagact  | gcgacgtgat  | 3645600 |
| tatctacaac  | ggcgacaatg  | agctgataag  | caattgtgtt  | tcgaaatcat  | tgcttacttc  | 3645660 |
| ccgtgaaata  | gcctggtcga  | tgaaggacaa  | tgaacgtctg  | ctgttttatcg | aaaaaataga  | 3645720 |
| gaaggacaat  | gacggaacaa  | ccgtcaaata  | tcgttatctg  | ggattcttaa  | aggaatatcg  | 3645780 |
| cataccgttc  | atcgacgatg  | cttctatcga  | aaattcgttg  | aatgcccttg  | ctgtagcatt  | 3645840 |
| gtatctgatg  | gtttctccc   | aagatattgc  | cgaacgatg   | gcgcactctg  | aaccggttgc  | 3645900 |
| catgcgtctg  | gaagtgaag   | agggtgaagaa | tggctgtgtc  | ttgataaacg  | atagttataa  | 3645960 |
| ttctgatttt  | gcttctctcg  | acatcgctct  | cgactttatg  | gcacgccgta  | cagaagacaa  | 3646020 |
| agcgcgccgg  | cgtacactca  | tcttgtcggga | tatactggaa  | agcgggcagc  | ccagcaagct  | 3646080 |
| tctttaccgt  | caggttgccg  | atctggtaca  | cagccgtaag  | gtagaccgta  | tcatcggagt  | 3646140 |
| gggagaagaa  | atctctgccg  | ccgctcctcg  | tttcgagata  | gagaagcagt  | ttttccgcac  | 3646200 |
| gacggccgaa  | ctgatagagt  | cgggtgtgct  | caattcattg  | cgtaacgaag  | tcgtattgat  | 3646260 |
| aaaagggtgca | cgtgcctttc  | atttcgatga  | tataaccgat  | ttgctggaac  | tgaagggtaca | 3646320 |
| cgaaacgatt  | cttgaaatca  | atctggaagc  | tctggtcgct  | aacctgaatc  | attaccgtaa  | 3646380 |

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|             |            |             |             |            |             |         |
|-------------|------------|-------------|-------------|------------|-------------|---------|
| caagctgaaa  | ccggatacca | aaatgggtgtg | tatgggttaag | gcttctgcct | atgggtgccgg | 3646440 |
| ttcgtttgag  | gtggcgaaga | cgctcgaaga  | ccatagggtg  | gattatctgg | ctgttgccgt  | 3646500 |
| tgccgacgaa  | ggtgccgact | tgcgcaaggc  | aggaatcaac  | agttctatta | taattatgaa  | 3646560 |
| tccggaactg  | acagctttca | agaccatgtt  | cgattacaaa  | ctggagccgg | aagtctatag  | 3646620 |
| ctttcacttg  | ctcgaggagt | tgattaaggc  | agccggacgt  | gaagggtgtt | ccaatttccc  | 3646680 |
| gatacatatc  | aagattgata | cgggtatgca  | ccggttgggc  | tttgctccgg | aagaaattcc  | 3646740 |
| ttatctggta  | gaccgtctgc | accgtcagtc  | ggcagttatt  | cctcgttccg | tattttctca  | 3646800 |
| cctggtggga  | agtgatgccg | agcgattcga  | ttcctttaca  | cgtcgccaga | ttgaaacatt  | 3646860 |
| cgaagctgcy  | gcggccgaac | tgcaagctgg  | attcagccat  | aagattctgc | gccatatctg  | 3646920 |
| caatacagcy  | ggtatcgaac | gttatccggg  | tgctcagttc  | gacatggtac | gtctgggtat  | 3646980 |
| cggattgtat  | ggtatcgatc | cttttataaaa | taagatcctg  | cataatgtaa | gtacgctgaa  | 3647040 |
| aacgactatc  | ttgcagatac | acgatgttcc  | agccggtgaa  | acggtaggat | atagccgctc  | 3647100 |
| cggaaatcctc | gaacgtgatt | caaggatagc  | tgccattcct  | atcggaatag | ccgacggatt  | 3647160 |
| gaaccgtcat  | ttaggcaacg | gtaatgctta  | ctgtctggta  | aacggacaaa | aagcgcctta  | 3647220 |
| tgtgggcaat  | atctgtatgg | atgtatgtat  | gattgatgtg  | actgacattg | attgcaagga  | 3647280 |
| aggcgataaaa | gccattatct | ttggcgatga  | tcttccggtt  | actgtgcttg | ccgataagct  | 3647340 |
| cgatactatt  | ccttatgaaa | ttctgaccag  | cgtttccaat  | cgggtgaaac | gtattttattt | 3647400 |
| ccagaattaa  | ttcgtacgga | atcttttttaa | gatatttgtt  | tttttagaaa | tccttgcatg  | 3647460 |
| cggagaatgt  | atgcaaggat | ttcttttttg  | tggaatatag  | tcagttattg | cacctcaaag  | 3647520 |
| cttaaaaaaat | gaacatagtt | gtcggttcct  | tctgctattt  | ttgttatccg | taaaaagtat  | 3647580 |
| gtttaaccga  | agaacagatg | ttcataatat  | gaaaaacgta  | aatctttgt  | tcctgaaagg  | 3647640 |
| agcatttgtc  | tgtatgctga | tgttttctgc  | attgccttct  | tctgccgaga | attatcctta  | 3647700 |
| tcgcagcgat  | gtactgtggg | taactgtgcc  | cgatcatgcc  | gactggctgt | ataagactgg  | 3647760 |
| cgaaaaggct  | gaagtagaaa | tacaatttta  | taagtatggt  | attcctcagg | ataatctgga  | 3647820 |
| ggtgacgtat  | gaattgggag | gggatatgat  | gcctgccgag  | aagaccggtt | cggtaaagct  | 3647880 |
| gaaaaacggt  | cgggcggtca | ttgatgtcgg  | aacgatgaaa  | acgcccgat  | tccgtgactg  | 3647940 |
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| gccaggggca  | ggtataaaga | cgatcaagga  | acccaagcgg  | catatctatt | atgcagagga  | 3648300 |
| aggatgtatc  | cggctggaaa | tggaaattca  | cggcttgaat  | ccgaaaatgt | ctgccgagga  | 3648360 |
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| cttatcggac  | tgggacggca | agaatgtgat  | tgttcagggg  | ggaagtcagg | gaggagcgct  | 3648540 |
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| actgagcgac  | atggcaggat | acaaagccgg  | acgtgccgga  | ggctatccgc | atcttctcaa  | 3648660 |
| gaattatcag  | ggaatggata | caccggagaa  | aattcgtacc  | atggcttatt | acgatgtggt  | 3648720 |
| gaactttgcc  | cgtcggataa | aggttccggt  | atatattacg  | tgggggtaca | atgatgatac  | 3648780 |
| gtgtcctcct  | accaccagtt | atattgttta  | caatgtactg  | gactgtccga | aggaagcact  | 3648840 |
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| gctacagctt  | caatcaatat | tggctgaaac  | tggcattccc  | ttgtttcttg | tctaggggtg  | 3649020 |
| aaaaaactga  | caggcagaag | caagggtatt  | tcttatgtag  | agttgtagga | acgtgtgcaa  | 3649080 |
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| agcaaatgca  | atcggaaatt | tcaccttgct  | tgtggaggaa  | gaagcataaa | aatccccctt  | 3649200 |
| atcttctctga | cgattgctgt | ttcttgtcgg  | gcaagcgtcc  | gaaaataaag | gggaaagagt  | 3649260 |

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| atgataatcc | atcctatcag  | ataagctacg  | gcacagatac  | tgaaaataat  | gaagtagccg  | 3649380 |
| gcagctttac | cttcaaattcc | catgaacgtc  | atgttggttt  | cggcagcata  | gtcgaacaga  | 3649440 |
| cgctctgatc | ccatgttgat  | gaagaatgaa  | ccgataacctc | cagccatacc  | gccaattccg  | 3649500 |
| ataatggttg | caatggtact  | ctttgggaac  | atatcaccaa  | ccaccgaata  | gatgttggcc  | 3649560 |
| gaccacgact | gatgtgcggc  | tcctgcaata  | ccgataatga  | taatcgggaa  | ccagtatgag  | 3649620 |
| tagttgcca  | gcggctgtgc  | aaataatgcc  | agcagcgga   | acagcgcaaa  | aataaacatg  | 3649680 |
| gcctgcatgc | gtgctacata  | cggattcttg  | ccagtcttgt  | tgataatgat  | ggtcggcagt  | 3649740 |
| ttacctccat | agatggaaag  | catggtgatg  | gcatacaaga  | caaagataag  | catctgggca  | 3649800 |
| gttgctgtat | cggagagaa   | accgtataca  | tccgaaatgt  | aggccggtgt  | ccagaacaga  | 3649860 |
| tagaaccacc | aaacgccgtc  | ggtcatgaat  | ttaccgaaga  | atacagccca  | cgctctgagga | 3649920 |
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| gcattgacat | gcggattggc  | atgcggcttc  | ttgtagagga  | acatccacaa  | tcccatccag  | 3650100 |
| atgaagccca | gtccaccgat  | aacgacgaat  | gccatttccc  | atccgttgcc  | tacaccgata  | 3650160 |
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| gtaactttga | tggcagcggg  | gaagtttcct  | gcttcgcctg  | ctcctaaaac  | gatacgggct  | 3650340 |
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| agcatgtcac | ttgcgttggt  | agcaccgatc  | gtcatctcgg  | tagcccatcc  | acacagcgca  | 3650460 |
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| atagaccatt | caggcgacat  | aatagcttgt  | tcgtttgcc   | gccatactag  | tctttcttcc  | 3651060 |
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| gcttcaatac | gtcgggagtg  | ggtatgtgca  | ggcatcgat   | tccatacgct  | tcccggtttc  | 3651180 |
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| ttcagggaa  | ccttacgtcc  | gtccagtgt   | acgagctgtg  | tcttgtaagc  | tttatgagcg  | 3651360 |
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| aagtaaggag | ccttcaactg  | gtcgatggtg  | tcgagtgtca  | gttccttggt  | gacaggaaca  | 3651600 |
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| atcacttttt | ccatcatgaa  | actgctgcgc  | agtttttgag  | tgtcgtatgt  | ctttacgtcc  | 3651720 |
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| gccacgccaa | gtatcattgc  | gatagctaac  | tttttcata   | ttcttatttt  | atattgttat  | 3651840 |
| tttattgatt | ctttaggtct  | aattatccct  | gacggctttc  | tttgataatc  | cgcttctgt   | 3651900 |
| tgaagatggc | aagtgccagt  | gtaccgatga  | ccagaacagc  | ggaacctatt  | atcttcagggt | 3651960 |
| tgtatatcag | gtggaaaatt  | atccacgaga  | acaggcttga  | agcaaagtcg  | agtgctcccc  | 3652020 |
| cttgaaatcc | ttctggtatc  | tttacggccg  | aatcgctgt   | cttggaag    | acatcttggtg | 3652080 |
| cagcctgtgt | gaagaatggt  | gcaagatcgg  | tcacgaaata  | aagtccaacg  | ataagtgtca  | 3652140 |



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| acaaaatagaa | cattcctgca  | agcgaagcca  | aaggcaggaa  | ctggtttcca  | ggtaagacga  | 3652260 |
| cggaaagaaa  | caagggttacc | gggatgagca  | gcaacgaaac  | caccagtgtg  | gtaggatgtc  | 3652320 |
| cgattacaag  | tgccggactc  | ataccgatgt  | tcagtcctgc  | cgcattcttg  | aattttgcgtg | 3652380 |
| caatcagttc  | gcgtgtggca  | tcagaaatcg  | gtcgcagtc   | ttcgatgaag  | agcgaagtga  | 3652440 |
| tacgaggaat  | aagtccatg   | actgctcca   | tcttgatgcc  | taatcctaag  | atagaaggaa  | 3652500 |
| tattgtctac  | cagctctttg  | ctgttctcgc  | aggcaagagc  | tccgatggcg  | catcctacaa  | 3652560 |
| tgactcccag  | aaacaatggc  | tctcccata   | ttccgaactt  | tttcttcatg  | ccttctgcat  | 3652620 |
| cgatgctcag  | cttctcgaat  | ccgggaattt  | tgctgagtag  | cttattaatt  | actacggcaa  | 3652680 |
| atgggacaaa  | accttgacag  | aacggttgag  | gaatggagat  | tccttccatc  | ttttcataat  | 3652740 |
| atgtctgaaa  | ctgcttgctt  | gtgaggtctg  | ccataatcaa  | tgtaatgata  | taacaaatga  | 3652800 |
| ttgcagcaaa  | gaatccccac  | catatattat  | ccgatgcaaa  | atacacgact  | gctccgataa  | 3652860 |
| atgcaaaatg  | ccagtagttc  | cataagtcga  | tattgaccgt  | ctttgtcgtt  | ttggtcagaa  | 3652920 |
| gcataataat  | attgatagcc  | aaacatacgg  | ggatgatgaa  | tgctcctacc  | gaagtgttgt  | 3652980 |
| atgctaccga  | tgacgaggcc  | ggccatccca  | tatcaaaaat  | gccaaggctc  | agcccgtaga  | 3653040 |
| tttcgggtcac | ttttttcaac  | ggatctccca  | ggctgcttgt  | aagcaatgct  | gttacgacag  | 3653100 |
| acaagccgac  | gaatcctact  | cctacgagta  | ggccgctttt  | caaagccttg  | ccgaatttaa  | 3653160 |
| ttccgataca  | tactcctaaa  | atcgtaaaaa  | taataggcat  | catcactgct  | gctcccagac  | 3653220 |
| caatgatata  | gctaaaaact  | tgttccataa  | tttgcttttg  | tctttcaata  | aatagtgtatg | 3653280 |
| ttagggttaa  | ttatacat    | agattgcttc  | aaaaataagt  | tcttttcttt  | taatttgcaa  | 3653340 |
| tcgaattcta  | attttattcg  | aaactttaat  | gaaatagaca  | aggaaaaacc  | gttatcgtac  | 3653400 |
| acgattattc  | catattgggtg | aataataaat  | ctacctttaa  | actcaaaatt  | tctacataca  | 3653460 |
| agtattttgtt | ttttttctac  | atttgtacat  | aaaaaaactg  | aagtcgaaac  | atgaaaagca  | 3653520 |
| aacgaattct  | aatgggagtc  | ttaggagtta  | tgcttgagtc  | tggtggcata  | gctcaggtgc  | 3653580 |
| aagatagttt  | tccaaaaaat  | cagaaacat   | ggctcggtacg | gatggccgag  | tcggagatgg  | 3653640 |
| ttcgtaatcc  | ggaatcttgg  | caggtagatt  | ttcagccttc  | gcttaaattg  | gattattgcc  | 3653700 |
| atggtctgga  | attaggagcc  | atgatggatg  | tgtatgatcg  | ttatggcgat  | gccaaatttt  | 3653760 |
| acgagtatgc  | cttagcttat  | gccgatacga  | tggttaacga  | ggacggtaca  | atcaagaaat  | 3653820 |
| ataagcttac  | ggattatagt  | ttggatcgta  | tcaattcggg  | taagatgctt  | ttccgtat    | 3653880 |
| atgaacaaac  | caaaaatgat  | aaatacaaaa  | aagcattgga  | tttggttgaga | agtcagttcg  | 3653940 |
| acgggcagcc  | tcgtaatgcc  | gacgggtggct | tttggcataa  | aaaagtttat  | cctaatacaga | 3654000 |
| tgtggctgga  | cggactttat  | atgggaactc  | ctttcttggc  | ggaatatgct  | tatcgaaata  | 3654060 |
| acgagccgca  | agcttatcag  | gaggtgatta  | atcagataaa  | gattgtagct  | cggcatacgt  | 3654120 |
| atgatccggc  | taatggtttg  | tttcgtcatg  | cctgcgatgt  | gagcaaaccg  | gaaaaatggg  | 3654180 |
| ctgacaagga  | aactgggcag  | tcacagcatt  | gctggggacg  | tgcggtgggg  | tggtatatga  | 3654240 |
| tggccattgt  | agatgacttg  | gactttattc  | cgcagcatga  | accagggcgt  | gacacggttt  | 3654300 |
| tggtgatact  | gaatcatatt  | gctgaaacgc  | tgaagaaata  | tcaaagtccg  | gagggtttat  | 3654360 |
| ggtatcaggt  | gatggataag  | agtggagagc  | cgggtaatta  | tttggaaatct | tcatgctctg  | 3654420 |
| ctatgtttgt  | ttattcggtg  | ttcaaggctg  | ttcgcgaaag  | atatattccg  | tcttcttatt  | 3654480 |
| tcgctgttgc  | acgaaagggg  | tacgaaggta  | ttctgaatga  | atttattaag  | gtggatgata  | 3654540 |
| atgggctggg  | ttccattaca  | aaagcttggt  | cagttgccgg  | attgggcgga  | aaaaattaca  | 3654600 |
| gaatgggcga  | ttatgattat  | tatatccatg  | aacagattag  | ggataatgac  | ccaaaggctg  | 3654660 |
| tggttccgtt  | tattctggca  | agtctggagt  | gggaaggact  | gccaaggag   | aaacgccggt  | 3654720 |
| ttgcggaacc  | cagggaactg  | gttggtgccc  | aggatggaac  | gggtgattat  | acgacaatatg | 3654780 |
| ctgaagcctt  | ggaagctgtt  | cgtgccttta  | tggattttga  | tgtaaagatc  | tatataaaga  | 3654840 |
| aagggtatata | caaagaaaaa  | ctttagtagt  | cttcttgggt  | gcaacatata  | gagttgatag  | 3654900 |
| gtgaagatgt  | gcagaatacg  | attataactc  | atgccgacca  | tgccaatatg  | aatcacatgg  | 3654960 |
| ggactttccg  | aacgtatacg  | gttaaagttg  | agggttaatta | tattaccttc  | cgtaataatta | 3655020 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| cgatagaaaa  | taatgctccc | agactggggc  | aggctgtagc  | tttgcatact  | gaaggagatt  | 3655080 |
| gcctccgttt  | tattaattgc | cgtttttttag | gaaatcagga  | taccgtatat  | acgggagtg   | 3655140 |
| aagggtactcg | tctgtatttt | gagaattgtt  | atatagaagg  | aactacagat  | tttatttttg  | 3655200 |
| gaccttcgac  | tgcatgggtc | gaagggtgta  | cgattcatag  | taaagctaata | tcatacataa  | 3655260 |
| cagcagcttc  | tactcctaaa | gatataagat  | atgggtatat  | atttaataaaa | tgtaagttaa  | 3655320 |
| cggctactgc  | tggggctgat | aaagtatatc  | tgggtagacc  | ttggcgcccc  | tatgctttata | 3655380 |
| ctatctttat  | gaattgtgaa | ttgggaaagc  | atattgtcgg  | agctgggttg  | gataattgga  | 3655440 |
| gagatgcgaa  | gaacgagaag | accgcccgtt  | atgctgaata  | tcacaatagt  | ggcgaggggtg | 3655500 |
| caaaaagcaga | taaccgtgtg | aatgggcaa   | aacagctttc  | tgataaagaa  | gctgagaaaa  | 3655560 |
| taactaccgt  | gaattgttac | aatttatcga  | aaggatggcg  | attatttgaa  | taaaacaatt  | 3655620 |
| tttacgtttt  | taaagtcaaa | aatatacat   | gaaagatgta  | tgtaagaag   | aaatttgtga  | 3655680 |
| actaatttta  | atattctaaa | aacacattta  | ttttatgcat  | tatcaacaga  | gaataaggaa  | 3655740 |
| cgctgctctt  | ttacttattg | tgagtatgct  | ttgtcttgct  | tcttttgcac  | aagggttgca  | 3655800 |
| agtgcagggt  | attgtaaagg | acaaaaacgg  | tgaacctatg  | attgggggtca | acgtggtagt  | 3655860 |
| gaaagggtaca | actaatggta | ccataacagg  | tttggtatgt  | gacttttcac  | ttagtggatt  | 3655920 |
| gaaaaaatcg  | gatgtcatct | cgtttactta  | tattggtttt  | aagacgaagg  | atgtgaagta  | 3655980 |
| cggaggacaa  | aagcagcttg | atgtagtggt  | ggaggaagat  | acggaaactc  | tagatgaggt  | 3656040 |
| tggtgttatc  | ggttatggta | cggtaaacia  | gcgtgatttg  | acgggttctg  | ttgcatctgt  | 3656100 |
| cagtgtgaa   | gatattgccg | ccgttcaggt  | ttcaagtgtc  | actgaagctt  | tgactggtaa  | 3656160 |
| gttgccgggt  | gtaaatatca | caacaaccga  | aggttctcct  | gacgtgatg   | tgaagattcg  | 3656220 |
| tggtcgtggt  | ggtgggtctc | tgtcgcaaga  | taattctccg  | ttgtatatcg  | tcgatggatt  | 3656280 |
| ccctgtttca  | agtatcagcg | atattgcacc  | gtctgaaatt  | cagagcatcg  | acgttttgaa  | 3656340 |
| ggatgcttct  | tctacagcaa | tctatgggtc  | gcgtgggtgc  | aatgggtgta  | tcacgtaaac  | 3656400 |
| aacgaagagt  | ggtacggaag | ggaagactca  | ggtagacttt  | ggcgcttctt  | tcggcttgaa  | 3656460 |
| gaaagttacc  | agactgacta | aggttcttga  | tccttataat  | tatgtagctt  | atcagcatga  | 3656520 |
| gctgggttct  | acagattatg | gtaattattc  | agatatggat  | atctggaagt  | cggttgaggg  | 3656580 |
| atatgatttc  | caggatgata | tttttgacg   | taccggaaat  | caggctcagt  | ataatgtgaa  | 3656640 |
| tgtaagtggg  | ggtagcaaac | aaataaaata  | taatgtaagc  | tatgctcata  | acgatgaaaa  | 3656700 |
| gagtatcatg  | ctgggatctg | gctttaataa  | gaataatatt  | aatgctaaga  | ttaacgctga  | 3656760 |
| actgaatcaa  | tggatgtcgt | tggacttcaa  | tgctcgtatg  | agttacacta  | ccatcgatgg  | 3656820 |
| tttgagtggg  | ggtgctgata | ccaatgaatc  | gagtgtctga  | aactctattg  | ttgcaaacgc  | 3656880 |
| cgtacatttt  | cgttctgttg | atcctttgac  | ttcaaatact  | gatgatgaaa  | gtaacaatac  | 3656940 |
| ttcatcgcaa  | aaaaatccgt | tggaaacgtt  | gctggctact  | tataagaaaa  | gaaatacatt  | 3657000 |
| caatcagaat  | tataatgtag | gtttaaactg  | gaaaccattc  | aagaactgga  | cattccgttc  | 3657060 |
| tgaatttggt  | tacggctgga | aatacgacaa  | cactgatcag  | gtttggtcta  | gcgatgctgt  | 3657120 |
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| caagaactgg  | cgtaacgcta | acactttgac  | ttacgataat  | aagaaactgt  | ttggcggggcg | 3657240 |
| tgataaactg  | aatgtcttgc | tgggacatga  | agtaagtagc  | agtcaggaaa  | catcgctcga  | 3657300 |
| aaatacttct  | gttgcatctc | ctactactat  | gacaattgat  | gaagtctctg  | ctaatatggg  | 3657360 |
| agcagggtact | gcgttgccct | cgaaactac   | catttctgca  | aaggataata  | tgttatcttt  | 3657420 |
| cttcggacga  | gtaaattaca | ctttaatgga  | taagtatctg  | ttaacggtaa  | cgggtccgtgc | 3657480 |
| cgatggttct  | agtaagtttg | caaaaggtaa  | tcagtggggg  | gtatttccct  | ctgctgcgtt  | 3657540 |
| ggcatggcgt  | ttgtcggatg | aggcatttat  | gaaagggtgca | caggactggc  | tatctaactt  | 3657600 |
| gaagggtcgt  | ttgagttatg | gtactgctgg  | taataaccgt  | atcagctctg  | gtttgatgta  | 3657660 |
| tactacatat  | acaatggcag | gcaatacagg  | aaaagctcct  | ttctttgatg  | aaagtcgtgg  | 3657720 |
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| tacacgtaac  | cttggttttg | attatggatt  | cttcaacaac  | cggttgtctg  | gatcattgga  | 3657840 |
| tttttactgg  | aacacaacia | aggatttggt  | gatgaaaaca  | gaaattccgt  | ctaatacggg  | 3657900 |

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|             |            |            |             |             |             |         |
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| taaccgtaac  | cgtattgatg | aactgggtac | agagaatcct  | tggcagagta  | gtaactggtc  | 3658080 |
| gggtagcact  | attgcaaaat | acgaagatta | ccgtgtagaa  | gaaggtggtc  | gcttgggtga  | 3658140 |
| aatatgggga  | tataagacaa | atggtttcta | tactgcatat  | gatccggtga  | caaatccgaa  | 3658200 |
| tggatgaactg | gttttgaatg | gtacttcatg | ggcattgcgt  | gatggatatca | aggataacag  | 3658260 |
| ctattcattg  | gcaggtggta | aaccttatcc | cggacagctg  | aaatatgaat  | gtgatgaaaa  | 3658320 |
| tggatgatccg | attaagcaga | aattgggtaa | tacagttgct  | ccgctgacgg  | gtggattcgg  | 3658380 |
| ttttgatgga  | ttcataggaa | acttcgattt | taatatcttc  | tttaactatt  | ctgtaggtaa  | 3658440 |
| tcagattgta  | aacggaacga | aactggctaa | ctcattctgt  | gttggttctt  | caaaaggata  | 3658500 |
| taatttggta  | aacgattttg | ctctggataa | ccgttatact  | tggattgatc  | ctgaaactgg  | 3658560 |
| tttgaattta  | ggtaagccag | atggttctac | agtcgactac  | tatgggtggg  | ctgaagggtt  | 3658620 |
| gattacacga  | ttgaacgcaa | tcaatacagg | agcaaatact  | tataatcctg  | ctgctgttac  | 3658680 |
| cgcgatgtat  | ctgaacgatt | atgctgtaga | agacgcttct  | ttcttgagag  | tgaacaatat  | 3658740 |
| tactatcggga | tatacattcc | cgaaagcttg | ggtgaagaaa  | gcttttatgc  | agaacgtacg  | 3658800 |
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| agtagataca  | agcagcaaga | agaacgcaat | gactccgggt  | attgattatg  | cagcttatcc  | 3658920 |
| aaagagccgt  | tcttttgttg | ctggtattaa | tgttacattc  | taaattctaa  | tatgatataca | 3658980 |
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| tgttctgatt  | ttctagatca | aactgctcct | tccgaactaa  | atgacaatac  | tgtatataat  | 3659100 |
| tcaacttatt  | atacaggatt | gcgtgtgaat | aaaatttatg  | gtggattggc  | gcaggaccag  | 3659160 |
| acttattcac  | aatacatccc | tattgtatgg | ggattgaact  | ccgattgtga  | actggtagat  | 3659220 |
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| gcaaaacttaa | cattggaagg | tatcaactcc | agttcattgc  | ttacagctgg  | tggctcggaa  | 3659400 |
| caagcggcta  | tggaaacgta | taaggagag  | gctttaacct  | tgcgtgccat  | gattttat    | 3659460 |
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| agtaatgctt  | atttgcataa | gacagatcgt | gatgtcattc  | tggatacggt  | aatgggtcgat | 3659580 |
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| tgggtgattc  | gtgaaaaggc | taaagatgga | tatgaaacag  | ccgactatag  | tgatcctact  | 3659760 |
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| tggatattta  | tcaaccagcg | tgaactggat | agaattacc   | atgagaatat  | ttttgagatt  | 3659940 |
| ccgatgggac  | ttggagttag | tagtgaatta | ggttataccg  | ttgggtgtacg | tgtgaatggt  | 3660000 |
| gctacgcacag | aatatggtgt | aaagggtaat | tcatacagga  | agatgaaact  | gactgcacct  | 3660060 |
| ttcttctatt  | cattcgacaa | gaaggatttg | cgtcgtgata  | ttacttgtgc  | acaagtacag  | 3660120 |
| ctgggtgcag  | ataacggcgt | taccaagaa  | tccatgtttg  | gtaatactcc  | gtttggtatc  | 3660180 |
| tatgtcggca  | aatgggatat | acgcaagatg | aatgaggaat  | ggcgtcaggc  | tgctattgca  | 3660240 |
| accggtaatg  | caaagtggat | gtcgggtatt | aatgtagtga  | gagcgcgtta  | tcctcaagtg  | 3660300 |
| ttgttgtggg  | atgctgaagt | gatgaacgaa | ctggctgggtc | ctgacgggtga | ttatactgga  | 3660360 |
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| gcagataaaag | ctgatgctca | aaaatacata | gatgcaatac  | ctgctaccag  | ggatgctatg  | 3660480 |
| tttgatgcga  | ttgtggatga | aaatgcatgg | gagctggcag  | gagaagggtt  | ccgtaagtcc  | 3660540 |
| gatttgatcc  | gctggaattt | gttggctgaa | aagattcagg  | aattcaaaga  | tacttattac  | 3660600 |
| aatgaactga  | tggatgaatc | gaatccta   | tattaccggg  | aaaagggtta  | ctttaactat  | 3660660 |
| accgatgata  | ccaagactaa | gattgatatg | tcgagtgtta  | cttgggtatg  | tctgccggag  | 3660720 |
| ggaaaagagt  | catccgatta | cgatgataat | aagtcattct  | atggtgcaga  | aagagatgat  | 3660780 |

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|             |             |            |             |            |             |         |
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| aatgtacagg  | tgaaaaaccg  | ctatttggtg | cctattggat  | ctacaaccat | ttcggctgca  | 3660900 |
| aacggttata  | tccataactc  | ttatggatac | tcagattaat  | attcaacata | aaattggcat  | 3660960 |
| agaatatgaa  | gatatttaaa  | tatattgcag | gttctggagc  | atztatgctc | ctgacctcta  | 3661020 |
| tcacggaac   | ggcatgtacc  | gatggtaatg | attggaacgt  | agatagcaca | cacgaccgtt  | 3661080 |
| tgtttagtgt  | gacagcttca  | gacatatcgg | tttcggctaa  | accgacgtct | gcggaagttt  | 3661140 |
| catggagagt  | agttcctgat  | gcagagtatt | atgtgatgga  | atatagtacg | gactccttat  | 3661200 |
| acgatgagat  | agcaatgggt  | ggaactgaac | attctgttat  | tttaggagaa | gataagtcca  | 3661260 |
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| atgtaaaacg  | tggtacaaga  | acctttacaa | cgactgaatc  | ttatccggca | ggttatgata  | 3661680 |
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| tacaggagaa  | cggtggtaat  | gttgttttgg | tatttgcaaa  | tggatctact | accgattaca  | 3661800 |
| tgggtgaaaag | tatggaactg  | acaatcccgg | ctgaatttaa  | atctgttatc | ttctgggggg  | 3661860 |
| aatcgggcga  | tacaaaacct  | gtctttatgc | ctaagggact  | ttctatggca | ggtagtcatg  | 3661920 |
| atttgatccg  | tttctacaat  | ttggatctgc | agaatacaag  | tagcggaagt | gactacatcg  | 3661980 |
| tgaactttaa  | tgtagaaggt  | aatgtaggtg | aaatattgat  | tgataactgt | aacattagta  | 3662040 |
| agactcgtgg  | tgtagttcgc  | gttcagagtg | atggtgccaa  | aggttctatc | ggttcaatta  | 3662100 |
| atatcgataa  | ctgcgtattg  | acggatattg | gttcgtatgc  | aattgtacag | acgaaagttt  | 3662160 |
| ccggctttac  | actcaattcg  | atcagcttgt | ctaattctac  | aataagtaca | gtaaatgccg  | 3662220 |
| gtggagtttt  | gataaccag   | caggataatg | tcaatatctc  | aatcgatgct | tgtacgttct  | 3662280 |
| ataatttgtgt | aactagtggg  | aagtcattta | ttgatattaa  | taagatgtcg | aacgtaactg  | 3662340 |
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| aggctacaag  | tgtgaaaaat  | attgctacga | caacaaatct  | ctttactaca | accgactgtc  | 3662460 |
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| caggtgaccc  | acgttggaat  | gaataaaact | tgtactgaaa  | tgtgaagtgt | aaataacaag  | 3662640 |
| tccatagata  | ggtatatgcc  | tatatatgga | cttgttttta  | ttttaatttc | atatattttag | 3662700 |
| acctgaaaaat | ctgctataga  | aagatgaatg | ttattggatt  | tgtaaagcaa | tcgtgtatga  | 3662760 |
| ttgttgctct  | attaagtgga  | ctgggcatac | cctcctgtct  | ggaacaaatt | gttacacaag  | 3662820 |
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| gaagcgctat  | tccagctttt  | cccggggccg | aaggcgccgg  | gaagtatact | acaggcggtg  | 3662940 |
| ccggagggttc | tgtttatggt  | gtcacttcct | taaaagacga  | cggatcagaa | ggtacgctac  | 3663000 |
| gctgggcccgt | tgaaaaatcg  | gggaagcgta | cggtcgtatt  | tgctgtagga | ggagccattg  | 3663060 |
| cactgacgaa  | gcaactgggt  | ataaagaacg | atgatctgac  | gattgccgga | caaacggctc  | 3663120 |
| ctggagcagg  | aatttgctctg | aaaaattata | ctttacgtat  | caatgccaat | aatgtgatca  | 3663180 |
| ttcggtttat  | ccgctgccgt  | atgggagatg | aatgccagac  | ggaagatgat | gcgatgaatg  | 3663240 |
| gttatcagtc  | gtcgtatccc  | ggaaagaaaa | atattatagt  | cgatcattgt | tccatgagct  | 3663300 |
| ggagtaccga  | cgaatgtgct  | tctttttatg | gaaataactaa | ttttacgatg | caatggtgta  | 3663360 |
| tcgtcagtg   | aagtctgacc  | aattccattc | atgtaaaggg  | aggacacggg | tatggtggct  | 3663420 |
| tgtggggagg  | tagtcccgtc  | acattccatc | ataatctggt  | ggctcatcat | agtaatcgta  | 3663480 |
| ctccacgctt  | gtgtggcagc  | cgttattcca | accgggcaga  | tatggaaaaa | gtcgacttgt  | 3663540 |
| gcaataatgt  | aatctataac  | tggtcgagtg | aaggggctta  | tggggcacag | ggaggctcct  | 3663600 |
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| gtaaatctta  | tttgtccggc  | aactttatgg | ataccgcag   | cgacttgctg  | aagagccagc  | 3663780 |
| tagcagaagt  | ggaggctgca  | aatgcagata | atacttcctc  | tacagctttt  | gtggtaaaga  | 3663840 |
| ataatgaaat  | gtccgctcaa  | gacatgttgg | ttgcgcagcg  | ctttgatatt  | ctttcggact  | 3663900 |
| attctttcat  | gcagtcggct  | caggaggcgt | acgaagctgt  | tctgaactat  | gcaggcgcat  | 3663960 |
| ccgataaacg  | ggatcagatt  | gatacccgca | ttatcaatga  | aacgcgtacg  | ggaacgtatt  | 3664020 |
| cccgggaagg  | ttccaatggg  | agcagctatg | gctttatcga  | tacacagaaa  | gatgccgaag  | 3664080 |
| aatgggatga  | atacgttgag  | gcacacgctt | ccgaagttag  | ttcggatggg  | gatggtatgc  | 3664140 |
| ctgatgtgtg  | ggaagagaag  | aacggcttga | atccggcgga  | taaatcggat  | gctgctacat  | 3664200 |
| ataatttaag  | taaggaatat  | acaaatctgg | aggtttatat  | aaatagttta  | gtcgaaagcc  | 3664260 |
| tgtatccggc  | tttaaaataa  | aagtgtttta | tgaanaagat  | attaatgggt  | ggactttact  | 3664320 |
| gcatgttggt  | ggcaggaacg  | ttatcggtgc | aagcacaaga  | gttgaaatca  | tatccggtac  | 3664380 |
| cggaccgttc  | gaaagtctct  | gctttcccgg | gagcagatgg  | tgccgggaag  | tatactacgg  | 3664440 |
| gtggagcagg  | aggacaagtc  | ttgattgtca | cgctattgaa  | agacgatggc  | tccgaaggta  | 3664500 |
| ccttgcgctg  | ggcccttcgt  | aagaaggggc | ctcgtacgat  | tgtgtttgcc  | gtgagtggta  | 3664560 |
| tcattgagtt  | gcaatcacccg | ctcaaagtca | gtaacgggga  | tgtgaccatt  | gccggacaga  | 3664620 |
| cagctccggg  | agatggtatc  | tgtctgagaa | attatacttt  | tggcattcag  | gcagataatg  | 3664680 |
| tgattgtccg  | ttttatccgc  | tcgcgtatgg | gagcagatat  | caagcagaag  | ggcgacgatg  | 3664740 |
| caatgaatgg  | attcaagcat  | catcgtaaca | ttatcatcga  | ccattgctcc  | atgagctgga  | 3664800 |
| gcacagatga  | atgtgctacc  | ttctacgaca | atagtcagtt  | tacgcttcag  | tggtgtatca  | 3664860 |
| tcagcgagag  | ccttgccaac  | tctatccacg | agaaaggggc  | tcattggatat | ggaggtatat  | 3664920 |
| ggggcggtca  | gggtgcttcg  | tttcatcata | atctgctggc  | tcattcacaca | aaccgtactc  | 3664980 |
| cccgctctgtg | tggaagccgt  | tatacgggac | gcccgcagga  | cgaaaagggtg | gaacttttca  | 3665040 |
| ataacgtgat  | ttataattat  | ggaagtgatg | gagcttatgc  | cggcgaagga  | ggaagctata  | 3665100 |
| atttcttgaa  | caattattat  | aaaccggggc | cttatactgc  | tacaaaatct  | tcttataagc  | 3665160 |
| gtttgtttac  | cgcttatccc  | gatgatggaa | cgaacaataa  | tgtaaggga   | actcatggcg  | 3665220 |
| tcttttgctt  | ttccggtaac  | tatattgatc | ctacttgtag  | caagctgact  | gataaacagc  | 3665280 |
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| ttgccccaca  | aagtgaattg  | ttggttcaga | gtcctttcga  | cattgcagag  | catgttactc  | 3665400 |
| ttcagcctac  | ctgggaagct  | tatgagtctg | tcctgcaatt  | tgctggagcg  | tcttatcgga  | 3665460 |
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| gaagtcatgg  | cagtacgaat  | ggcatgatag | atcagcccag  | cgatgtgggt  | ggatggccga  | 3665580 |
| aatatcaggc  | tggagaagct  | cctgttgatt | ccgattcgga  | tggaaatgccg | gatgaatggg  | 3665640 |
| agaaagctca  | cgggttgaat  | cctcatgatg | cgtcagatgg  | atgcaactat  | aacttgagtc  | 3665700 |
| ccgattatac  | aaacttgga   | gtttatctga | acggactggt  | acagcattta  | tatccggata  | 3665760 |
| cagaaaaata  | gcatttgata  | taaaaatctc | ctcgtttctg  | ttgggggtgtt | atcgctcaaa  | 3665820 |
| cgaaacgagg  | agatttttta  | tattccatga | caatttcctta | tcactggaga  | aagggtttcct | 3665880 |
| tgccagttat  | tctgaagttg  | ctggttgctt | ttcgttgata  | atatactcat  | ttacatgcta  | 3665940 |
| aatgtcgcta  | ttttggttaa  | ataataacca | taatagaaca  | attattccct  | ttcttcccct  | 3666000 |
| tggatttttc  | ctaaatttga  | acacgaatca | agcttatgta  | atatactatg  | aagaagaaat  | 3666060 |
| atttcttgat  | gtgcttgctg  | atgggagcaa | gtacctatac  | gttggctcaa  | acctttcctt  | 3666120 |
| ctacagaagc  | tttcagcgat  | ggaatccatc | actggaatct  | ggagcatagc  | gaacggaatt  | 3666180 |
| acaaacgtta  | tccggcgagg  | cagtatgtaa | agattgccga  | taatctgggt  | gcttaccaga  | 3666240 |
| atgaagatgg  | aggatggcct  | aagaacattg | actggatggc  | ggagcttccg  | gccgattctg  | 3666300 |
| tagtcaacag  | tttgtcggag  | cattatcgct | agagtacact  | cgataatcgt  | aatacgtatt  | 3666360 |
| ctcagattga  | atatttggcg  | caagtctata | cactgaccaa  | aaagcgggta  | tacaggaaag  | 3666420 |
| cggtagctga  | cggactggaa  | tatctgttga | aaacgcagaa  | aaagaatggg  | ggatggcgtg  | 3666480 |
| gatgggatgt  | cgatgccatt  | acgttcaatg | atgaagtgc   | gaccgggggtg | ctgcgcttgt  | 3666540 |

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| gtatttatca  | ggcattcaat | cgggggtattg | acatgatttt | gcggacgcaa  | tatgttcaga | 3666660 |
| atggggtaaa  | aaccgtgtgg | ggacagcagc  | atgataacca | gaccttgcta  | ccgacggggg | 3666720 |
| cacgtacgtt  | cgaactggct | tcactgacgg  | ctggcgagag | ttgtgatgtt  | gtccggttac | 3666780 |
| tgatggagat  | accacaccct | tctgatgaag  | tgattgaagc | ggtaaagtcg  | gcaatggctt | 3666840 |
| ggttcgataa  | agtggcgata | acaggtatac  | gcgtagagaa | ggtttccatt  | cctgcggatc | 3666900 |
| agattgtgaa  | ccatgaatat | ccgtacgatc  | gggtgggtgt | taaagacaag  | aaggctcctc | 3666960 |
| gtatctggtc  | ccgtttttat | gagatggcag  | acaatactcc | gtttatgtgc  | aatcgggatg | 3667020 |
| gcatcaaggt  | ctataagttg | tcggatgtaa  | agctggagcg | tcgggttggc  | tatgcctggt | 3667080 |
| atacgtatgc  | gccggaagag | ctgttcgaag  | cttatgacat | ttggtcgaaa  | aaggtagagg | 3667140 |
| cggaaaaggc  | ttatgcaggt | tatgaggtac  | aggataatat | gccttcattc  | tatgaacagc | 3667200 |
| tgaagcagag  | cctgacttat | ccgatggcat  | ggggaaattc | gccggaaaaa  | gatttcagta | 3667260 |
| aatggcggga  | ggaggcacgt | gaaaaactgc  | tggaatgtat | ggatcccgt   | cctccggttg | 3667320 |
| ttccttacga  | tatgaaagt  | ctggctacgg  | agaagcgtaa | aggctacgaa  | gtgcagaaaa | 3667380 |
| tagttttcaa  | tgtgtcggga | tattcgcgtg  | ttcctgccta | tttgctggta  | ccggaaggta | 3667440 |
| aaggaccttt  | tccggctgtg | ctgcttttgc  | acgatcacgg | agctcatttc  | accatcgga  | 3667500 |
| aagaaaagat  | ggttcgtccg | tttggcgtat  | cggatgttgt | aatgaaagat  | gcggacaact | 3667560 |
| ggtgtaagat  | ttgttacgac | gggcagtatg  | tgggcgatta | tctggcagaa  | aacggttatg | 3667620 |
| tcgtgctggc  | tttggatgct | ttgttttggg  | gagaacgcgg | acggaaagaa  | tatgcacgct | 3667680 |
| atgattctca  | gcaggcgttg | tcggccaatt  | tgttgcaaat | ggggatgtcg  | tggggaggat | 3667740 |
| tcatcgcag   | ggatgatatc | cgtagtgcgg  | agtttcttgc | ctctttgcct  | caggtagaca | 3667800 |
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| cagctaccga  | tgtggtcaag | gcgggagcgg  | ctgtatgctg | gatgaatacg  | acagatagcc | 3667920 |
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| tgttttacca  | tgggttaaa  | gataagcttt  | ttccggtgga | gggagtga    | gccgcctatg | 3668100 |
| aaacgatgca  | taaggtatgg | gacggtcagg  | gagcaggtga | gcattttgcag | accaagtttt | 3668160 |
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| aacccgaatg  | ctgtgacagc | cgacgatatg  | cgtccggaaa | aagatgaggc  | tgtagtagaa | 3668760 |
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| gagatggatg  | tctgctttat | cgatttgaac  | aaggcgacta | agcagctggg  | agaatcgtat | 3668880 |
| ggagtggagg  | gatctaaaaa | gctttttatg  | tggattcctg | ccggaacgtg  | tgtggcttgt | 3668940 |
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| gacagccgcc  | agtattacga | aggatgctat  | atagaaggta | cagtcgactt | tatctttggc  | 3669540 |
| tggctaccg   | ccttgttcaa | agattgtacc  | atccatagtc | tggggaatgg | ttatgtaaca  | 3669600 |
| gctccttcta  | cggatgaagg | aaagaaatac  | ggctatgtat | tctggaactg | ccgcctgacg  | 3669660 |
| ggagccgacg  | aagcgaaagc | ggtttatctg  | tcgcgtccgt | ggcgaccgta | tgcgcaggct  | 3669720 |
| gttttcatcc  | gttgtagct  | ggacaagcat  | atcttggcgg | tcggatggaa | caactgggga  | 3669780 |
| aagaaatcga  | atgaggctac | ggtcttttat  | gccgaatata | agaataccgg | agccggtgcg  | 3669840 |
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| tgggtttctc  | gccacgtttt | tgtaaaatg   | tcgggacgtt | ttttattttt | ttgtacaaaa  | 3670080 |
| gatttttagaa | tttgtacaaa | aaacgacacg  | gacttgtgca | ggccttttct | tgaacctgcg  | 3670140 |
| caagtccgtg  | tcgttatata | atccgccatc  | agtctttgat | gccgaacagc | cagcgggaaga | 3670200 |
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| gggcagtcga  | gtcatttttt | acaacgggtg  | agtcgttcag | gattgtcaaa | ctatcagtct  | 3670320 |
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| tagggattgt  | atctttggga | gttgcagaag  | ttttgacagg | agttaccggc | ttttggggag  | 3670500 |
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| agtccatata  | tgcccgcaag | ctgcgaacaa  | ctgtcggatt | ggtaattgtt | ccatcctttt  | 3670680 |
| ctaccacaaa  | ctgtacggca | actacgcctt  | ccagtttttc | tttcttagct | tgcggaggat  | 3670740 |
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| gttcatccgg  | atgttccaga | aaagtattga  | tatccagcga | tcgattttcc | ataccttcta  | 3670920 |
| cgcgtatcgt  | tatgggatga | ttataatctg  | catcgatgtg | aaacagacca | atttcatcgc  | 3670980 |
| tcagtaccg   | gcgccctgtt | ccctgaatgc  | tgactacggc | tccttgtagt | ggcttcagtg  | 3671040 |
| atgagtcttt  | gacataccct | tcgatggcga  | atgtcttggt | actttgcttg | aaggaagcaa  | 3671100 |
| tatcgtctgc  | actatccaga | tagagcgttt  | tgtttgtttc | cgtttccttt | aacaagatag  | 3671160 |
| tagcgacagc  | gtttgtttcg | tttccgggga  | agtaaatatt | ggcaaaacga | ttgtattttt  | 3671220 |
| cgtctatttc  | gtaacggaat | gtgattacac  | cttgatcgtt | tgacaaatac | atgtcgtttc  | 3671280 |
| tgccatttat  | tttcagaatc | attccgcggt  | gaggctcccc | gctggacttc | aaaatttgtga | 3671340 |
| tacgaaattc  | cgtacctttt | tcttgtccaa  | atataatatt | aggaagaaca | aatgcgaaac  | 3671400 |
| aaaataagaa  | aaggataaac | gtatgcagtc  | tttgagtaga | attcataatt | cagctatcta  | 3671460 |
| aaataaaaacg | gttgcaaagc | tacaagtatt  | ctgctgtatt | tcaaagttta | tggaacaaat  | 3671520 |
| aaatgcatga  | gtagcagggc | taacttgttg  | ttttatttgt | aaatatgccg | gaatgtcgta  | 3671580 |
| tatttgtact  | ttaatcacac | ctttataactt | aataatttat | gttaatcgat | ttacttcaat  | 3671640 |
| catcttactt  | ttctgttttc | ttgattgtag  | ctttgggatt | catgctggga | cgcattaaga  | 3671700 |
| tagcggggct  | gtcacttgat | gtttcggccg  | ttatttttat | cgctttggcg | tttgggcatt  | 3671760 |
| ggggcgtttc  | cataccgaag | gagctgggga  | acttttggtc | ggttttgttc | atttttacga  | 3671820 |
| ttggtattca  | ggcgggacct | ggttttttcc  | actctttccg | tagtaaggga | aagacgttga  | 3671880 |
| tactgattat  | attgctgatt | gttgctctg   | cttgtctgac | aggcgtagct | ctgaaatatt  | 3671940 |
| tgttcgatata | tgatacgccg | agtctgggtg  | gactgattgc | cggagcgctg | actagtacac  | 3672000 |
| cgggacttgc  | cgtggccatc | gacagtacac  | agtcgccact | ggcatccatc | gcttatggaa  | 3672060 |
| tagcttatcc  | gttcggcggt | attggtgtta  | ttttgtttgt | aaagctttta | cccaaaatat  | 3672120 |
| tgcattgtga  | tttgagcag  | gaggcacggc  | gtctggagaa | ggaacggcgt | agccagttcc  | 3672180 |
| ccgaattgag  | tacttgtctg | tttcgggtta  | ccaatcctac | ggtcattggc | cgcactctga  | 3672240 |
| tgcagctcaa  | tattcgtgtg | atgacgggag  | ctgtcatttc | tcgtttgaaa | cggggcgagg  | 3672300 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| gaagcgaaga  | ttcgtctgaat | aatctggcac  | tgatgctggg  | tgtccgag    | gaaggagaat  | 3672420 |
| tgccgctaag  | tcatacgcag  | agtatcgaat  | cggtgctgtt  | gacaaaaag   | gatatgatag  | 3672480 |
| gcaagcagtt  | gtgtgacctg  | aacttgacgc  | gtaacttcgg  | atgtacgggt  | actcgtgtgc  | 3672540 |
| gtcgaagcgg  | aatagatatc  | tcaccttctc  | cagacttgga  | actgcgtttt  | ggcgataagc  | 3672600 |
| tgatgattgt  | aggtgagaag  | gaaggcattc  | aggctgtagc  | acgtctgata  | ggaaacgatg  | 3672660 |
| tgaagaaact  | ttcagacacg  | gattttttcc  | cgatcgctat  | gggtattgta  | ctgggtgtct  | 3672720 |
| tgtttggtaa  | actgaatatt  | tcgtttggcg  | acgggtatgtc | tttctctccg  | ggactgacag  | 3672780 |
| gtggattttt  | aatgatggcg  | ctgttcctga  | gtgcgatagg  | taagacggga  | cctattatct  | 3672840 |
| ggctctatgtc | cggaccagcc  | aatcagttgc  | tccgtcagtt  | gggactgctg  | ctgttccttg  | 3672900 |
| cagaggttgg  | tacttcggct  | ggtaagacac  | tggtctctac  | gtttcaggaa  | agtggattct  | 3672960 |
| tgctgtttgg  | cggtggagca  | gccataacat  | tggttccgat  | gctgctggca  | gctctggtcg  | 3673020 |
| gaagattgat  | tttcaagatt  | agtaccctcg  | atttggtggg  | taccattaca  | ggaggaatga  | 3673080 |
| ccagtactcc  | ggggctggct  | gctgccgatt  | cgatgacgga  | cagcaatatt  | ccgggagttg  | 3673140 |
| cttatgctac  | tgtgtaccgg  | attgcaatgg  | tgttcctcat  | cctgtttata  | cagattattg  | 3673200 |
| ccctgactat  | tctttaaaag  | agcaatacag  | cctcaaacgg  | aagttattct  | ggtttgcaac  | 3673260 |
| tatcgtttga  | ggctgtatgt  | cctgattatt  | tctttttccc  | gaacgatcga  | tattcgagtg  | 3673320 |
| gagtgaatcc  | tgtatttttc  | ttgaacaagt  | tggaaaaatg  | ttcgggtggaa | gtatagccca  | 3673380 |
| acataaaaca  | aatttctttt  | actgggtgagg | cggtatttat  | cagcatttgt  | ttagctttac  | 3673440 |
| gaagcttaag  | ttcctgaaaa  | tatttggcag  | gtgaataacc  | ggtatattct  | ttaaacattt  | 3673500 |
| ttcggaaacca | cgaatagctg  | atattcagtt  | tagctgccag  | ttcttccgga  | tttatgtcct  | 3673560 |
| tgacagacatt | ttcgttcatg  | atgatttttg  | cttgttccat  | tttttcggct  | acattgtcct  | 3673620 |
| tttcgaattc  | tttgtttttc  | gagatagaca  | gcaccatgcc  | gacaatatgc  | agtaagatgc  | 3673680 |
| ccgaaagata  | ctgctgggaa  | gcagtcttat  | cagcctctga  | tacttccaga  | gcctgtgcaa  | 3673740 |
| aaagtgcagc  | aagaccttcg  | ttgagacctt  | tttccagtag  | ctgctcttgt  | ttagacagaa  | 3673800 |
| atccgttttt  | tatcagctgg  | tcgatgaagt  | ttccttcgaa  | acctatataa  | tattcgttcc  | 3673860 |
| agccggtagc  | tgtatcggga  | ctataagtat  | gccattgtcc  | gggaaacaat  | atgataagat  | 3673920 |
| ttcctttttcc | gataattcgt  | tctgggtgat  | cgctcgatgc  | aaagggtccct | ttgccttttg  | 3673980 |
| tgatataaaag | taattgatac  | tcgtgcagtg  | ttcgtccttt  | ttgaacggtg  | aacagggtatc | 3674040 |
| ctgaaggatg  | ttccttttatg | ggataaggag  | aatgaggatg  | tatagattga  | aatcctacgg  | 3674100 |
| tattgaccca  | caatccgaat  | tttctgtctt  | tttcattaac  | aatcagatat  | ttgaactctg  | 3674160 |
| attctaaatc  | attgtatgat  | cgtgtcatct  | tcagtttttc  | ataagtgtat  | tattgatgaa  | 3674220 |
| caaaaaataca | aattttgagt  | taaatatggt  | tggttgtcct  | atatctgttt  | taaattcttt  | 3674280 |
| agaatacatg  | gaaagtggaa  | ttattgaaaa  | agaccagagg  | aatagtctat  | tcagattttc  | 3674340 |
| ctctgggtctt | gatacgcag   | acgaaatttt  | aatgaactct  | gtcaatagca  | gcttcgggtg  | 3674400 |
| gtggacaaaat | aaagttcgta  | tagcaatatc  | ctgtttttat  | cccttctgtt  | atattttctg  | 3674460 |
| tgcttatatg  | acaaagccgt  | ttcttattta  | ggtaagtggg  | aagcaacaga  | tattttctttc | 3674520 |
| atttggtctt  | ggctcatgcc  | ctcgggttca  | aatcccatat  | tcttggtgctg | aatataaatt  | 3674580 |
| agagcagatt  | tattcagaac  | atctacttgg  | tcgaatgccg  | ccatgatatc  | tgtatctacg  | 3674640 |
| gcaaatactc  | catgtttttc  | ccacatgacg  | acatcgtagt  | cgcttagttc  | atcaatgggtc | 3674700 |
| gcctctgcaa  | gttctacgga  | acttgggagt  | ttgtaaggaa  | ccatttcctaa | gcctctcggg  | 3674760 |
| cagaatgcct  | ttgtttccgg  | tatcatactc  | catagcagat  | tggaagcata  | gtctttttcc  | 3674820 |
| ataaaacttct | tggtgtgtgt  | catggctatc  | agttcगतatg  | gggtgcगतatg | caaggaggct  | 3674880 |
| ttgtaattcg  | agcctttggc  | aatgagatag  | ttgtgtacac  | tcagggtgtga | aggtagttct  | 3674940 |
| gacgttggat  | ttaccggctg  | gtcagcaatg  | attacatagg  | ttgcacagtc  | gtccaaaata  | 3675000 |
| cggatgacag  | aaccgtttgc  | catcggatcg  | cgggcaagg   | cacgcagtcg  | cctgttggtc  | 3675060 |
| cctttgcaga  | aaaagtaaca  | acctttcaga  | tacggtaagg  | tggcacctat  | tggcctttact | 3675120 |
| tcgctaattg  | caggcatagc  | ttttatcgta  | tcgtctacga  | gttctgtaat  | attgatggtg  | 3675180 |



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| actttattga  | tttcggctgc  | cagagccggg  | cggttattca | aatcgattc   | catagttata  | 3675300 |
| tagcattaaa  | tatatgataa  | agttattgct  | caggcttgcg | ctattgcaac  | tacgataata  | 3675360 |
| gatgcaatca  | gtactgcaag  | gccgagtagg  | aggatgccga | tggtagtggc  | actgcatcct  | 3675420 |
| ttccattctt  | tcagtaagat  | tccccatacg  | ttactgaagg | taacattcag  | cgacatgagt  | 3675480 |
| atactccatg  | aaaaggcgag  | taatatcgga  | ctctccgtaa | ggaaactttt  | ccccatttcc  | 3675540 |
| agaccgaaaa  | actgtgaata  | ccataagact  | cctgccagtg | cgcaatatag  | tagattattg  | 3675600 |
| gtaaatgtac  | ttttattttac | tgataaatat  | tcttttcccg | tattgttttt  | cagattttgc  | 3675660 |
| tgtatgcagt  | atgctgcatt  | tgtgcaaaaa  | ccgcctaacg | taaccaaaaa  | gatgacgggt  | 3675720 |
| aggccggcgt  | acaagggggc  | tgttcccttt  | tcaagagctg | cttcctttat  | cggagttcca  | 3675780 |
| gcatccagtc  | ccaaggcaaa  | gcaagcactc  | atgactccgg | caagcaaagc  | tactaacaag  | 3675840 |
| cctttggtca  | gggcaaaatc  | ttttacagct  | gctttcttct | cttcttctact | catattttctg | 3675900 |
| gaacggaggc  | tgctgcata   | tccgatgacg  | gcaatgcctg | ccagtgtgat  | gcatactccg  | 3675960 |
| atgagtaaca  | tcaaacctgc  | tccgtgcaat  | aggtctgttc | cccaaaca    | ggcaggaaac  | 3676020 |
| aatgttccga  | aggccgcaca  | tgtacctaat  | gaaatgcttt | gtcctaaagc  | tactcccaga  | 3676080 |
| tagcgcatac  | tcagtccgaa  | agtcagacct  | cctacgcccc | ataagatacc  | atatatgatg  | 3676140 |
| gctggcaaaag | cacctccgct  | gctccatagt  | tccggaagcg | tgctaccgga  | aggaactgcc  | 3676200 |
| aataaggctc  | ctaacaaggg  | aaatacaagc  | catgcaaaaa | ttccttgtag  | gagccagaaa  | 3676260 |
| ctttcccacg  | accatttttt  | tactttattg  | atgggtacat | acgaactgct  | ttgtccgaaa  | 3676320 |
| cttcctatgg  | ctataattaa  | caaaccgatc  | agcgtgttca | taaagagtat  | gattatttta  | 3676380 |
| tccgattttt  | gtttgtattt  | tccaaatatc  | atctacaggc | atagcccttt  | gagtgaatc   | 3676440 |
| tgcaatgaaa  | atttagttac  | gttttgaggt  | aacttctgct | tcatattttt  | cgatgtcggg  | 3676500 |
| aatatattcc  | tctcctacag  | gaacgttggt  | ctttaagcag | aacatatccc  | atacagcatt  | 3676560 |
| ccatggcaga  | actttggctt  | cttcaagcag  | agccagacgc | tcgaataact  | gattattggc  | 3676620 |
| ttcgtattca  | cggagttttg  | ccgttggtc   | gagcaatgca | cgcaacattg  | atcttctgggt | 3676680 |
| agctcgtgct  | ccgatgacgt  | aagcaccgat  | acggttgata | ctagcgtcga  | agaaatccag  | 3676740 |
| accaatatgg  | acgcggtcaa  | gtgcgttgca  | acgaacaatt | tcctgacaca  | agtcgactgt  | 3676800 |
| ttcatcgttc  | ataatggtaa  | catggctcgt  | gtcccagcgt | accggacggc  | ttacgtgcag  | 3676860 |
| catgatttct  | ggaacatata  | gtagcagaga  | ggatagcttg | tcggcaacgc  | tttctgtagg  | 3676920 |
| atggaagtgt  | cccatgtcga  | gtgtaatcat  | tttctgcccg | ctgacgccgt  | agccgatata  | 3676980 |
| aaaatcgttt  | gaacctacag  | tataactttc  | cagaccaata | ccgaacactt  | tcgattcgat  | 3677040 |
| gcagtctttc  | atatttttat  | attcagtggc  | aaaaatacgg | tcgagtgagt  | ctttcagcaa  | 3677100 |
| ttcacgatac  | agcatgcgat  | tcacagtaat  | atctttgctt | ccgtcgtgaa  | cccatatatt  | 3677160 |
| catgatacaa  | gggtcgttct  | ggcgttttcc  | catttcttcg | gctatggccc  | gacagcggac  | 3677220 |
| agtatgttca  | acccaaaaat  | cgcgaattgc  | tttatccgga | ttggctaaag  | agagatttcc  | 3677280 |
| acttttaggg  | tgcgagaaag  | acgttgagtt  | aaaatcaagt | ttcatcttgt  | tttctgcagc  | 3677340 |
| ccattgtatc  | caactctcaa  | agtacgatac  | atccacctgg | tctctgtcga  | cgaactttcc  | 3677400 |
| ttgaaaatct  | ccgtatattt  | catgaagatt  | cagacgatgt | gttcctggca  | ggtaggaggc  | 3677460 |
| ggcttttagt  | acgtcctgac  | gtacttcgtc  | gatgttacgg | gctttcccag  | gatagtttcc  | 3677520 |
| tgtagcctga  | attcctccgc  | tgagtgagcc  | gttgatttca | aatccggcaa  | cgatcatctgc | 3677580 |
| ttgccagcag  | tgtaaggata  | atgatatctt  | ttgtaaggta | tccatggctt  | tgtctacatc  | 3677640 |
| tactcctatg  | gctgcatagc  | gttcttttagc | tatttcatac | gcttgtctaa  | ttaaattttc  | 3677700 |
| tttcatgata  | tgtatttagg  | ttattgattg  | attattgagt | aattgtttga  | aactgaagat  | 3677760 |
| aagccgcac   | ccatattttct | ttgtgctcgg  | gatagaacgt | ctgtaagggg  | gtgatacgac  | 3677820 |
| gtaataactg  | gcgcatagaa  | gcaatgttgg  | ttgcttgccc | tgctgctaca  | gcctgtacca  | 3677880 |
| tgatatttcc  | tatggcagtc  | gcttccgaag  | gaccggctac | aaccggtatg  | ccgattgcgt  | 3677940 |
| ttgctgtcca  | ttggttgagt  | aaatcgttac  | ggcttccctc | tcctatgaca  | tgcagtactt  | 3678000 |
| ctatgggatg  | gggagataaa  | ctttttagat  | tttcaaggac | ttgtcggtaa  | cgcagggcta  | 3678060 |

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| tgatacagta  | tttcttgata  | gcttcttcca | tgtttgacgg  | attggcaaag  | accgtatcgt  | 3678180 |
| cgggatagat  | taaatttcgg  | aacggttcac | tgcggtttgc  | ttcagctatc  | agggtggagt  | 3678240 |
| atgaggtccc  | ttcccagttg  | atgcgacacc | tttccagcag  | ccacattcca  | cagatatttt  | 3678300 |
| ttaataaacg  | gattgtgccg  | tctactcctc | cttcattagt  | aaaatttagt  | ttctcggttt  | 3678360 |
| ctgatgttat  | gacaggagtc  | tgagtttcaa | ttcccattag  | tgaccaagtg  | ccgctgctta  | 3678420 |
| gataagcaaa  | attatgattg  | gctgccggta | ctgctgcaac  | ggcagcagct  | gtatcgtgtc  | 3678480 |
| ctgctacagc  | aacgacaggg  | atagctccta | gtttcgtttg  | aagttgaact  | tcttctgtca  | 3678540 |
| gatttcctat  | tttctcgcct  | ggatatacaa | aacgcccga   | gtgttggtta  | cttaatccaa  | 3678600 |
| tgctttcgag  | taatgatgat  | tcaagactgc | gcgtctgtgc  | attaactaac  | tgtgctgtcg  | 3678660 |
| acgcaatggt  | atattccgtg  | accatctctc | cggtcagcat  | gtagctaagt  | gcatctggaa  | 3678720 |
| tgaagagtat  | tttggtggcg  | tttgctaagg | cactgtcatt  | gttcctgcgc  | aaagtatcga  | 3678780 |
| ggtgaaacag  | ggaattgaag  | ttcatgactt | gtataccggt  | acattcgtat  | actttacttc  | 3678840 |
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| acggttgctg  | tagtattcca  | ccatctttcc | cgatacatac  | aaaatctact  | ccccaggat   | 3678960 |
| ctatgcctat  | ggaaattact  | tctaactctt | ttctccggcc  | aactattttc  | aagccttcta  | 3679020 |
| taatgtttcg  | gtaaagttca  | tagatatccc | aataaaaaatg | tttacctatt  | tctatcagggt | 3679080 |
| aattgggaaa  | tcgattgatt  | tcttctgtaa | ccagtccttg  | tggagtaaaa  | tatcctacaa  | 3679140 |
| tggtgcgtcc  | gctggttgct  | cccaggtcga | tagcaaaaaa  | gcattttgtc  | atggtcttaa  | 3679200 |
| tcagggtctt  | atgtttttca  | agtttagatg | ttgcaaatat  | agatcttttag | tgaaggataa  | 3679260 |
| aattgcgctt  | tttgatttag  | cgactgactc | ttttgattta  | cttgattgaa  | agttctgtgg  | 3679320 |
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| gggaaaaata  | tcattttgtga | aggggtagga | atthttggaat | ataatcgtac  | gttattttata | 3679440 |
| tttgatatagt | aataatatgg  | tgtatattht | aattgaagca  | aatgaaata   | cttgacaaaa  | 3679500 |
| ctggctggag  | gcatcttggt  | gtattttgcc | gcagcatcga  | cgatgaatgc  | gcagttgcca  | 3679560 |
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| caaccatttt  | tctggctggg  | agatactggc | tggtctgatgc | cgcaaaggct  | gaaccgggaa  | 3679680 |
| gaggtggctt  | tttatttgga  | taactgtagt | cgtgccggat  | tcaatgtggt  | gcaggtagag  | 3679740 |
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| gtccgtacgg  | ccgaaagtaa  | aggtatatat | ataggtagtg  | tatgtatctg  | gggtggactg  | 3679920 |
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| aggtataaag  | acagtcgaa   | cattgtgtgg | ataatcggag  | gagatacacg  | cggagatgtg  | 3680040 |
| aagacggaag  | tctgggaaac  | gctggcacgt | accattcggt  | ccattgacaa  | gaaccatttg  | 3680100 |
| atgacgtttc  | atccgttttg  | cagaacgatg | tctgccacct  | ggtttaatga  | cgccgactgg  | 3680160 |
| ctcgatttta  | acatgtttca  | gagcgggcat | cgccggtacg  | gacagacgaa  | aggagatggt  | 3680220 |
| gacaatcttg  | ccgacagtaa  | tgtggcggaa | gataactggc  | gttatgtgga  | agccagtctg  | 3680280 |
| tccaacgac   | cgatgaagcc  | ggtcttggtg | ggcgagccca  | gttacgaagg  | aatacctcag  | 3680340 |
| ggccttcaca  | atccaagga   | atatcggttg | acggctgccg  | atgcccagag  | ttatgcttat  | 3680400 |
| tggtcggctc  | ttgccgggtc  | tttcgggcat | acttatggca  | acaattccat  | tatgcagttc  | 3680460 |
| tatcgtgaag  | gttatactcc  | tgcgtatgga | gccgaaaagt  | catggcagga  | agcgttgga   | 3680520 |
| gatgaaggat  | tcaatcagat  | gaagtacttg | aaggaaactga | tacttcgatt  | cccttatttt  | 3680580 |
| gaacgtattc  | ccgatcagag  | cgtaattgcg | ggggtaaatg  | gagaacggta  | tgaccgggct  | 3680640 |
| atcgcgacac  | gaggccggga  | tttctgtgtg | gtttataact  | atagtgcacg  | tcccatgcag  | 3680700 |
| atagatttga  | cgaaaatcag  | tggagataaa | aagaaagcat  | ggtggttcaa  | tcctcaggat  | 3680760 |
| gggagtatga  | aatatatagg  | tgagtttgaa | aataaggtta  | cggactttca  | atacgtatgt  | 3680820 |
| ccttacatgc  | gaggctacga  | ccgggtgctg | gtagtgtgtg  | atgcagcgaa  | agattacgtg  | 3680880 |
| acggattaat  | ctatactaaa  | aagctctgtc | actcttcaat  | aaggggagtg  | tgacagagct  | 3680940 |

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| tcttttaatt | ccctttatac  | aaattgttat  | ttaggggaata | ttctttgttt  | gttatgtcct  | 3681000 |
| taggttattg | ggcctatfff  | ttaccggcga  | taactctcca  | gacgatggca  | ctcaatatgg  | 3681060 |
| ctccgatgaa | aggacctaca  | atgaaaatcc  | aaagttgact  | gagtgtact   | cctccctcga  | 3681120 |
| ataaggctgg | accaatacta  | cgtgccgat   | taacggaagt  | acctgtgtaa  | cggatacaag  | 3681180 |
| ccagatgtac | tagtatcaga  | gaaagtccga  | tagccaatcc  | ggcaaacttc  | ccggcccctt  | 3681240 |
| tttctggatc | ggttgtgccc  | aatacgacta  | aaacgaatac  | aaatgtaaat  | acaatttcag  | 3681300 |
| ctagtaggcc | acctaagacc  | gaaattcctt  | cctgacagct  | gttagctccc  | gtacctgtga  | 3681360 |
| gtcccgaatt | gcttgtcagc  | aaccagagga  | tagccgatcc  | caggattgct  | ccaattacct  | 3681420 |
| gaaagataat | atacattgtt  | gcatcttttg  | cattgatgcg  | tcccgataag  | gcacagccta  | 3681480 |
| atgtaatggc | tggattaatg  | tggcatccgg  | aaatttcgcc  | gatagtatag  | gccatagcca  | 3681540 |
| ccactgctag | tccgaaagca  | attgctgtac  | caataactgt  | tgctgctaaa  | cttgggtctg  | 3681600 |
| ccgatgtgca | cgataaactg  | actgccgtgc  | cgcaacccat  | gagaaccaga  | accattgttc  | 3681660 |
| ccatcatttc | cgcaatgtac  | tttttcataa  | ctatatatff  | taaagattag  | aggataactt  | 3681720 |
| aggatgtgtt | tgtgagaact  | aattcagcac  | aaggcaagtt  | attaaaaatc  | tttcaaatac  | 3681780 |
| gcaagtttca | aagcgaaaag  | atgttcctct  | tcgtctaaag  | aggggctatg  | ttgggtcagg  | 3681840 |
| catttcctga | tggacgctgg  | aatatgcgca  | ggccgaactc  | tgggataacg  | gcaagaatat  | 3681900 |
| agtcgaaaat | ttcaccttgt  | atctgttcgt  | attcggggcca | gacggttgta  | ttcgtgaagc  | 3681960 |
| aatagatttc | caaaggcaat  | ccttcggcgg  | ttggttgcat  | ctgacgaacc  | ataatcatca  | 3682020 |
| gctccttgtg | ggtacgggga  | tgatttttta  | aataattcag  | caggtagttg  | cgaaaaacat  | 3682080 |
| gcagatttac | gacttgtgtt  | tccggcttac  | tttgttcttc  | gtctatccat  | ccgcgtgagg  | 3682140 |
| caaactgttg | cttctctttt  | tctgagcaga  | aatgtacggt  | tgtcatgtcg  | atgaataccg  | 3682200 |
| agcgcttgat | acgtcgtcct  | ccggtttcac  | gcattcctct  | ccagttctgg  | aatgagtcgc  | 3682260 |
| tgactagtac | gtagggggga  | atggttgtga  | tggttttgtc  | gaagttgctg  | accttgacgg  | 3682320 |
| ttgttagcga | aacttccagc  | acatcgccgt  | ctgccccgta  | cttaggcata  | gtgatccagt  | 3682380 |
| cgcccggacg | aagcatgtcg  | tttgccgaaa  | gttgtagacc  | tgccaccaga  | cctaatatgc  | 3682440 |
| tatccttgaa | aatcaacatc  | agtagagctg  | ccgaagctcc  | tagtccggcg  | agaatggttg  | 3682500 |
| ccgcattctg | gtcaatgagt  | atactgataa  | tcaggataat  | tccaatacca  | atagctatta  | 3682560 |
| agttaatcat | ttggtagatt  | ccttttagcg  | gccggttacg  | gaatgtctca  | tgctcgttgg  | 3682620 |
| atatttcata | tagtgaattc  | aggaatgagt  | tgatcagtaa  | aagggtcgtg  | attaccagg   | 3682680 |
| aaatcaggca | tgctttcaac  | aagatattaa  | gaagttgagg  | tacattgctg  | aatacaaaaag | 3682740 |
| gtagaagcag | ataaaaacatg | ataggaggga  | tcatgcggca  | aaaactattc  | atcattcttt  | 3682800 |
| tgttgaatag | gtaatcgtcc  | catgtcgtct  | ttgtgcggga  | ggttatcttg  | tgtacggctg  | 3682860 |
| gtataaccag | atgtctgaat  | aattttgtga  | tgatgtagga  | aatgagtaat  | atgagaacaa  | 3682920 |
| caagtgtgag | acgggtactc  | cagctcagg   | tctctttatc  | gatgcccata  | tctgataatt  | 3682980 |
| gctgggctac | ttcgagatat  | aaatcttcca  | taaatatttg  | tatttgatatg | tcgttttggc  | 3683040 |
| aaatatacga | agcttttttc  | atataatttag | cgggtatatt  | taaagattaa  | gagaatgtta  | 3683100 |
| cgtctttata | gtctgctaata | gttgctgctt  | tggggatagc  | tgtgcttacc  | gtcgtgtgtt  | 3683160 |
| cgagaagatt | ctccttctgg  | ggaggaaggg  | atgtgcccg   | gagatcggtt  | acctgattgc  | 3683220 |
| acttttgttt | tgagtgcata  | tactcgtgtg  | tcgacttccg  | atctgcgagg  | aaaagtttct  | 3683280 |
| gtactggtct | tttttcatac  | ttcctgcccc  | gactgtcaac  | aggagcttcc  | tggtgtacaa  | 3683340 |
| gaactttatg | attattatcg  | ggatgatgct  | tcggtaaggg  | tatattgcat  | tagcagggaa  | 3683400 |
| gaaaattccg | ctgaaattgc  | tgcgtattgg  | cgggaaaatg  | gattgacaat  | gccttattct  | 3683460 |
| cctcagtcgg | ggagggagat  | atattcttta  | ttttctgaac  | gggggattcc  | ccgtgtttat  | 3683520 |
| attgctgata | agcagcttgt  | agtatattcg  | gtttattctg  | ataatccgag  | tgcttcattt  | 3683580 |
| gaacaattgc | aggcggtatg  | agaagcttct  | ttgaaatgaa  | gttgaatgag  | gttgacgaa   | 3683640 |
| cggaggtgga | atgtgcattt  | ttttctcata  | tctttttgca  | aaacaaatgg  | tttcattaaa  | 3683700 |
| tttgccgtca | attaaactac  | taataactaat | taatatatta  | tctaatagagc | ttgaaaattg  | 3683760 |
| ttgtattggc | gaagcaagta  | cctgacactc  | gctgtgtagg  | gaaagatgcc  | atgaatgccg  | 3683820 |

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|-------------|-------------|------------|-------------|-------------|-------------|---------|
| acggtactat  | caatcgtgcg  | gctcttccgg | ctatcttcaa  | tccggaagac  | ctgaatgctt  | 3683880 |
| tggaacaagc  | gctcagactg  | aaagacacac | atccggggtc  | aaccgtaact  | atcttgacca  | 3683940 |
| tgggaccggg  | acgtgccgct  | gaaatcattc | gtgaagggtt  | atacagagga  | gctgataatg  | 3684000 |
| gttatctgtt  | gacagaccgt  | gcttttgccg | gagctgatac  | gttggctact  | tcgtatgcac  | 3684060 |
| tggttacagc  | tatccgtaag  | attggcgagt | atgatattat  | cgtagggtgt  | cgccaggcta  | 3684120 |
| tcgatggtga  | tactgcacag  | gtaggtcctc | aggtcgcaga  | aaagctggga  | ttgcctcagg  | 3684180 |
| ttacatatgt  | tgaagaaatt  | caggaagtaa | aagacggacg  | tatccgtgta  | aaacgtcata  | 3684240 |
| ttgacggtgg  | tgtagaaaca  | gtagaagctc | cgcttccgat  | tgtcttgact  | gtaaacggta  | 3684300 |
| gtgctgctcc  | ttgccgtccg  | cgtaatgcaa | aactggttca  | gaaatacaaaa | cgtgcttttg  | 3684360 |
| gagcacagga  | aaaagctgcc  | attacaaaag | atggaacagc  | attgccttat  | gcttctttat  | 3684420 |
| atgagagccg  | tccttatctg  | aatatcacag | agtggagcgt  | agccgatgta  | aacggtgata  | 3684480 |
| cgaacaatg   | tggtttgtcg  | ggttcaccta | ctaaagtaaa  | gaagattgaa  | aacatcatct  | 3684540 |
| tccaggcaaa  | ggaaagcaaa  | actattacag | gtagcgatgc  | tgatgtagag  | aatttgattg  | 3684600 |
| tagaactgtt  | ggctaaccac  | actattggat | aaagactatg  | aataacgtat  | ttgtatatgt  | 3684660 |
| tgagatggaa  | ggcaagcatg  | ttgccgatgt | cagtctcgaa  | cttttaacca  | aaggctcgtaa | 3684720 |
| gttagccaat  | cagttgggat  | gtcagttgga | aaccatctgt  | gccggcagcg  | accttgccga  | 3684780 |
| tgtagaaaaa  | caagttttgc  | catacggagt | agaccgtgtt  | cacgtgttcg  | atgctccagg  | 3684840 |
| cttgttctct  | tatacttcac  | ttcctcatal | ttctattctt  | gttaattttgt | ttaaggaaga  | 3684900 |
| aaaaccgcag  | atgtgtttga  | tgggtgctac | cgttatcggt  | cgtgacttgg  | gaccgcgtgt  | 3684960 |
| atcttcagct  | ttgacaagtg  | gtctgactgc | cgactgtact  | cagttggaaa  | tcggtaatca  | 3685020 |
| cgaggataag  | aagaatggcg  | ttacttacga | aaatctgttg  | tatcagattc  | gtcctgcttt  | 3685080 |
| cggcggtaac  | attgtagcta  | ccattgtcaa | tccggaacat  | cgtccgcaga  | tgccgacggt  | 3685140 |
| tcgtgagggg  | gtgatgaaga  | aagaaattgt | agatgccaac  | tatcaggggt  | aagtgattcg  | 3685200 |
| tcacgacgtt  | gcgaagtatg  | ttcccgaaac | ggattatgta  | gtaaagggtta | tcgaccgtca  | 3685260 |
| tgtagaaaaa  | gcaaaacata  | atctgaaggg | tgctcctatc  | gtagtagccg  | gcggttatgg  | 3685320 |
| tatgggaagc  | aaggaaggat  | tcgatatgtt | gttcgaactt  | gccaaggaac  | ttcatgcaga  | 3685380 |
| agtgggtgcc  | agccgtgctg  | ccgtggatgc | cggtttctgc  | gaacacgacc  | gtcagatcgg  | 3685440 |
| acagacaggt  | gtaacagtac  | atccgaagtt | gtatatcgct  | tgtgggtattt | ctggtcagat  | 3685500 |
| tcagcatatt  | gccggtatgc  | aggatgcagg | tatcattata  | tctgtaaaca  | atgatccgaa  | 3685560 |
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| gaaaatgatt  | aaatactata  | agaagaacag | taagtaaaga  | gattatggca  | aactttttata | 3685680 |
| cagaacatcc  | ggaactcaag  | tttacttga  | acaatccgat  | gatggagcgt  | atctgtcagt  | 3685740 |
| tgaaagaacg  | cgattacaga  | gataaagacg | agtacgatta  | tgcaccgcag  | gattatacgg  | 3685800 |
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| ttgcagccaa  | tgccgagggg  | gtagaccagg | aaggctccgca | ccatgctaata | ggacgtgtgg  | 3685920 |
| aatatgcttc  | gggcacaaaa  | gctaacctgg | atgcaatggt  | gaaggcgggt  | ctgaacggta  | 3685980 |
| tgacaatgcc  | tcgccgtttt  | ggtggtttga | acttcccgat  | tactccgtat  | accatgtgcg  | 3686040 |
| cagaaatcgt  | agctcaggct  | gatgcagggt | tcggtaatat  | ctgggtcattg | caggattgta  | 3686100 |
| tcgaaacact  | ttatgaattt  | ggaaacgaag | accagcacag  | tcgttttcatt | ccacgtattt  | 3686160 |
| gtgcagggtga | aactatgtct  | atggacctga | ctgaaccgga  | tgccggttct  | gaccttcaga  | 3686220 |
| gtgtgatgtt  | gaaagctact  | tacgatgagg | ctaacaactg  | ctggcgcttg  | aatggtgtga  | 3686280 |
| aacgttttat  | cacaaacggt  | gatgcgaacc | tgcattctgt  | attggctcgt  | tcggaagaag  | 3686340 |
| gtacacacga  | cggccgtgga  | ttgtctatgt | ttatctacga  | taagaatgac  | ggtggagtag  | 3686400 |
| atgtacgtcg  | tatcgaaaat  | aagctgggta | ttcatggttc  | tccaacttgt  | gaactgggtt  | 3686460 |
| acaagaatgc  | aaaggctgag  | ctttgcggcg | accgcaagct  | tggtttgatt  | aaatatgtca  | 3686520 |
| tggttttgat  | gaacgggtgcc | cgtctgggta | tcgctgtcca  | gtcagtaggt  | ttgagtcagg  | 3686580 |
| ctgcatacga  | tgaggctttg  | gcttatgcaa | aagaccgtaa  | gcagttcggg  | aaagccatta  | 3686640 |
| tcgagttccc  | ggctgtatac  | gacatgctgg | ctactatcaa  | ggccaaactg  | gatgctggtc  | 3686700 |

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| cccgtgagcg  | taagctgact  | ccggaagaac  | gtcaggaaca  | gaaacgttat | gcaaaactgg  | 3686820 |
| ccgatagctt  | tactccgctg  | gcaaaaggta  | tgaactctga  | atatgccaac | cagaatgcat  | 3686880 |
| acgactgtat  | tcaggtagat  | ggcggttctg  | gattcatgat  | ggaatatgct | tgccagcgta  | 3686940 |
| tctaccgtga  | tgctcgtatt  | acaagtattt  | acgaaggtag  | tactcagttg | cagactgttg  | 3687000 |
| cagctatccg  | ttatgtaacc  | aacgggtgctt | atgctgctac  | cttgcatgaa | tacgaaacga  | 3687060 |
| ttccttgcg   | tccggaatat  | gaagattata  | tgaaccgtat  | caaggaaatg | actcgttaagc | 3687120 |
| tggaggcttg  | tacgaatgca  | gtaaaagaag  | ctcaaaacca  | ggaattgctc | gatttcgtag  | 3687180 |
| cacgtcgctt  | gtatgaaatg  | gcggctgtct  | gcgtaatgag  | tcatctgttg | ctgcaggatg  | 3687240 |
| caacgaaagc  | tcctgaactg  | tttggcaagt  | cgttgaatgt  | atatgtaaat | tatgcagaat  | 3687300 |
| cggaagttga  | gaaacatttc  | aactttatcc  | gtaagttcaa  | tgcagaagaa | ctggcaaatt  | 3687360 |
| atcggaataa  | aagtattttc  | tgattttgct  | tataatctat  | aaatcagtat | aaacaatcct  | 3687420 |
| cctgttttta  | gccttggttc  | atttatatgg  | ctatatacag  | gaggattgtt | tttttgtata  | 3687480 |
| tcaacgtaag  | gtgatgcata  | attgcttgac  | ttgttcttca  | aattcatccc | gattacgcgc  | 3687540 |
| acggttacgt  | acagatgtcc  | gatagttata  | aatggtttgt  | ggggaataaa | acatgagggg  | 3687600 |
| ggctatacgg  | gaactgtcct  | taattcccat  | gcggataagg  | gcaaagattc | gtagctctgt  | 3687660 |
| gttaagaatt  | tctccctttt  | gtggataaat  | ttcttctccg  | ggacgtaaca | gatcattgaa  | 3687720 |
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| tttggtatct  | gcttccgaca  | tttttgtatt  | gttttgtttt  | aataaatcat | cggcctgttt  | 3687840 |
| tgcttgattt  | tttcgtttta  | ccaaatcttg  | gtagcggtta  | agtttgctga | tataggaggc  | 3687900 |
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| ctgtcgtaac  | tgacggcgta  | taaagacgat  | ggatgcaatc  | agcaacagac | ttaaagcact  | 3688080 |
| gatgaaaatt  | acagctgctg  | tgagggtgat  | tttcgcatca  | atgttttcct | gttggtatgc  | 3688140 |
| attgaagata  | gcagggattt  | tacgagctat  | ttcaagcatt  | cgaaggcggt | tggtgtagaa  | 3688200 |
| agttgcgtct  | tccatggaat  | attgcaggta  | tcggttggcc  | tgctccattg | attgtgtcct  | 3688260 |
| ttgtcgataa  | atgtataaag  | ccaactcctg  | tagcgacaag  | ttttctttta | gtgggcagac  | 3688320 |
| attgtcggat  | atggcggaaa  | gaatcagata  | gcgttcaagc  | tcttgcatat | gtccttgtct  | 3688380 |
| gctatgagca  | aaagccagtc  | cgcacgtaat  | gcatgcataa  | agtcgagtat | ttacagggtat | 3688440 |
| acctttcaat  | gcctttttcat | aagctttttg  | tgcaccttcc  | tgatcacccg | tccgtgcttt  | 3688500 |
| gtattctccg  | gcccagtaat  | aatattcatt  | gctcccggga  | gggagtactt | gtagtaaaga  | 3688560 |
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| ttcactccat  | acactatata  | cccattcgta  | ggcttcataa  | tagtctgcaa | gtaatgtact  | 3688680 |
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| tcgtgaaagt  | atttcttccg  | ccttgtcaat  | ataaaaagaag | gcagaatcag | atctgtacgt  | 3688860 |
| aagatattcc  | tgatagaggg  | tatagtaatg  | gtcgaaaagc  | ttttgagccg | acatatccag  | 3688920 |
| cgttattaaa  | ttttggatac  | tgtcaattcg  | agcttcttta  | cgttgggaag | ctatattgctg | 3688980 |
| ttgagccagg  | gaaagttaa   | gttgtctgta  | aagatcttta  | atatcttggt | gtgcatggat  | 3689040 |
| aacttgaagt  | ggaatgataa  | acaaaaacag  | agaaagtaga  | ttcttcatat | aatacttggc  | 3689100 |
| ttaagattct  | tccttgtagc  | tttatcaaaa  | gcgaaaataa  | ggattttttg | ttgaatatcc  | 3689160 |
| aatttttagag | attatctatt  | ttgagaaaaa  | agtaaaagt   | tatatctact | ttgattttta  | 3689220 |
| aatgcaactt  | ataaaaagt   | tgattatcat  | atgtatatag  | atttataatg | ttgtgcttca  | 3689280 |
| tctactttag  | ctctactgct  | agaaacaaag  | ggaatcacct  | catattactt | ttgcggcacg  | 3689340 |
| aagaattttct | ttacagaatg  | ttcctcggtg  | aaagagtgat  | tattaacctt | tggaatgtat  | 3689400 |
| aatccttaaa  | ttgtagattt  | atgagaacaa  | aaatgttatt  | cccttgacac | atgattgcgg  | 3689460 |
| tctggacatc  | gggtctgctt  | tctgttgctt  | ctgcacaaac  | agtaacagat | agtgtgaatg  | 3689520 |
| tgaagaaggc  | agatggtagt  | gaacgtaatg  | tcatgctgaa  | tgcttcagat | gcgacaaagc  | 3689580 |

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| taggagaagt  | tggtttgatg  | tcaccttcag | agtcggctat | tcgtacaggt  | aatatcgctt  | 3689760 |
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| gcgccaatca  | tttcggtatg  | cagcagttcg | atttaaactg | ttcaggtggt  | atcggtgata  | 3689880 |
| aatggttgta  | ttctggcagc  | gtatatcaga | atttcgatcc | cggaggtttt  | gaggcaaaat  | 3689940 |
| ttgatgaata  | taccgaccgt  | atgcaaagt  | atcgtgctgg | cataacacgt  | ttgttgggta  | 3690000 |
| ataaaggtaa  | gatcagtttg  | caatataaat | atgcttatag | ccgaaatata  | ggaaatgaac  | 3690060 |
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| attcatcttc  | tttccagttg  | gtggggagcg | taaaagagta | tcctgatatt  | ctgacagctt  | 3690600 |
| cagatggttc  | acgcttctat  | ggctttaatg | aactgagtc  | ggaatacacg  | gtaggatcgg  | 3690660 |
| aaaataaatt  | ggcggtatat  | gtaaccgata | actggcaaat | ttctccaaaa  | ttgaacttct  | 3690720 |
| attatggtgg  | gcgactggaa  | tattatcgta | tgctggccga | ccaggttgcc  | cattcacgct  | 3690780 |
| actcaggatt  | ctatatcggt  | ggtacagctc | ctgacggtga | agtgattact  | cctgctaattg | 3690840 |
| ttacaaagga  | taaactgaat  | tatgctgcaa | ctgctcagtt | gacttataat  | atgactaaac  | 3690900 |
| attttggctt  | gacggctgat  | gcgactgtgg | caactcgttt | cccgagaatc  | aatgaatatg  | 3690960 |
| caggaacagg  | tcctacagaa  | gagcagtata | aacgtgtgac | tattcctttg  | atccgtggcg  | 3691020 |
| ggttattcta  | taagaatagc  | tggattgatt | tgacttccat | ggtaacttat  | atcgcaaaga  | 3691080 |
| ccaataacat  | cgatcagcag  | aatctgacta | aacctggtac | gagtgaaggc  | aagaccgttt  | 3691140 |
| tgctgattta  | tgatatccag  | acactgggat | ggacgacttc | tgctgaaatt  | gacccgttca  | 3691200 |
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| caggcgtgac  | tttcaatgat  | ggaacacaga | tgagtgtcaa | tgccaacaat  | atgattgtga  | 3691320 |
| aggaaattcc  | tcagattctt  | gtagagttgg | atccaagtta | caacattaca  | aaagattttac | 3691380 |
| gcttgtgggt  | gagcttccgt  | tatttcggta | aaacctatgc | caatttgcag  | gaagcacttt  | 3691440 |
| actttaacgg  | acgctgggaa  | acatttggtg | gaatcaactg | gagtgtaaac  | aagcatctgg  | 3691500 |
| atctgggagt  | atctgtagt   | aacttcctga | atcagaaagg | tgcaaggggt  | accatcagcg  | 3691560 |
| gttctgaact  | gattacgaag  | gaagaagctt | caaaatatgc | tggttgctac  | atgagcggaa  | 3691620 |
| gctatttgcg  | tccatttaca  | gttgaattca | gcgcaagtat | taagttctaa  | aaatataaac  | 3691680 |
| tgaaaatctt  | tagataacca  | tgaacaatt  | attagtatca | ggagcattat  | tactggctgc  | 3691740 |
| catgcaggta  | aatgctgtcg  | aaaagaaagt | gtttcgtatt | tctacggagc  | agaccgatct  | 3691800 |
| gattcttcag  | gtaggagata  | acggacgtct | atatcagact | tatctgggtg  | agaaactttt  | 3691860 |
| aaatgatgct  | gatatccaga  | atttcgcatg | gaatgtacat | gcaggttccg  | atggaagtat  | 3691920 |
| cagtcagcgt  | ggatgggaag  | tatatagtgg | ctcaggaaat | gaagattatt  | ttgaaccggc  | 3691980 |
| tattgcgata  | actcataatg  | atggacataa | ttctacttat | ctatattatg  | tatcatctgc  | 3692040 |
| tacacaacca  | gtagaggggtg | gtgtacatac | taccattaat | ctgctgatg   | accagtatcc  | 3692100 |
| ggtagatgtt  | actttacatt  | atattgctta | tcagaaagag | aatgtaatca  | agacatggag  | 3692160 |
| tgaaaatcaag | catcaggaaa  | agcgtccggt | aacgctgaat | acgtatgctt  | ctaccatggt  | 3692220 |
| gtattttcaat | tgctcttctt  | attatctgac | agaatttagc | agtgactggg  | caaaagaagc  | 3692280 |
| acagatgagc  | agtcagcaat  | tacagtttgg | aaagaaagtg | attgatacca  | agttgggtag  | 3692340 |
| ccgtgcagca  | atgcatacgc  | atccgttctt | tgaagttgga | ttgggacagc  | cggttgccga  | 3692400 |
| aaatcagggg  | gaggtactga  | tgggtacatt | gggatggact | ggtaacttcc  | gctttacgtt  | 3692460 |

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| tgaagtggac  | aatgccggaa  | atcttcgtgt  | tattcctgct  | atcaatcctt  | atgcttctta | 3692520 |
| ttatgaattg  | aaaaaagacg  | aagtgtttac  | tactcctgag  | ttcattttta  | cattaagcta | 3692580 |
| taatggtacg  | tctgaaggta  | gccgcaattt  | gcacaactgg  | gcccgttaatt | atagtttgaa | 3692640 |
| ggatggaaaag | aaagaccgac  | ttacattgtt  | gaacaactgg  | gaaaataccg  | gatttgattt | 3692700 |
| taatcaggaa  | aagctggcag  | aactgatgaa  | agaggctaag  | cacttaggtg  | tggacatgtt | 3692760 |
| cttgctggac  | gacggttgg   | tcgccaataa  | atatacctcg  | aaagatgata  | aggcaggatt | 3692820 |
| ggcgactgg   | gaagtaactc  | atagcaagtt  | gcctggtggc  | gtacctgcac  | tggtagaggc | 3692880 |
| tgcaaaggaa  | gctggtgtaa  | aatttggtat  | ttggattgag  | cggaaaatgg  | taaatccgaa | 3692940 |
| gagtgaattg  | tttgaaaaac  | atcccgaactg | ggcaatccac  | gatacaaaga  | gaaaattgta | 3693000 |
| ttattaccgc  | aatcagctgg  | tattggattt  | aagtaatccg  | gaagtacagg  | actatgtata | 3693060 |
| cggagtgggt  | gacaaattga  | tgaaggaaaa  | tccgaaaaata | gcattcttta  | aatgggattg | 3693120 |
| caacagtccg  | attacaaata  | tttattctcc  | gtatctgaag  | gaaaagcagg  | gcaatctgta | 3693180 |
| tatcgatcat  | gtacgcggcg  | tgtataatgt  | catgaaacgg  | gtaaaagaaa  | attatccgga | 3693240 |
| tgtaccgatg  | atgctttgct  | caggaggtgg  | tgctcgctgt  | gattatgaag  | cactgaaata | 3693300 |
| ctttacagaa  | ttctggtgta  | gtgataatac  | agatccggta  | gaacgtgctt  | acattcagtg | 3693360 |
| gggatttctct | caattcttcc  | cggcaaaggc  | catgtgtgct  | catgtgacaa  | gctggaacaa | 3693420 |
| gaatacttct  | gtgaaattcc  | gtacggatat  | ggcttctatg  | tgtagctgg   | gatttgatat | 3693480 |
| aggcctgaag  | gatatgacga  | aggatgagct  | gtcttattgt  | caggaagctg  | tagccaactg | 3693540 |
| gaagcgtttg  | cagccagcag  | taatggatgg  | tgatcagtat  | cgtctggttt  | caccgtatgt | 3693600 |
| taccaatcac  | atggctgtaa  | attatgtaag  | caaggataca  | aataaagccg  | tactgtttgc | 3693660 |
| ttatgatatc  | tatcctcgct  | atcagggaaa  | actgatggct  | gtaaagttac  | agggactgga | 3693720 |
| tgcccataaa  | atgtataaag  | tagaggaaat  | caacctgatg  | cctggagtaa  | cttctacatt | 3693780 |
| ggaagcaaat  | ggaaagggtg  | tctcgggtga  | ttatctgatg  | aagggtgggtc | tgaatgtctt | 3693840 |
| tggctttgcc  | gcaactcaga  | gtcatgtgat  | agaactgact  | gcacaataaa  | atgtgatatt | 3693900 |
| attaaactta  | taaataatgct | tatttcaata  | ggcaagatta  | attttttagga | tagaggttgt | 3693960 |
| actccctttg  | ttcggcttaa  | ggcttgagca  | aaggaggttt  | ttatgttagt  | ctttatagat | 3694020 |
| aatgtaaaact | tgagtctgat  | tacaataaat  | gcttgactt   | acgtcttaac  | cagcggtcga | 3694080 |
| aaattcgcaa  | tagaggcaag  | gctatcagca  | tgggaagata  | gaatatgagc  | gatgaagggt | 3694140 |
| cgggcaagct  | atgggtcatt  | atatacaatg  | cttcggctat  | ttcttttccg  | tatgcccata | 3694200 |
| cgaccatgcc  | gatgcacctt  | gtgaacatgc  | aagcaactgt  | gatgatcatt  | aatatgaaca | 3694260 |
| tacgtttttc  | ttgtcgtttc  | tcacgcagat  | acatttcttc  | agcaatccgt  | ttcatggtgc | 3694320 |
| gataggtgaa  | attgctggaa  | agccgtggag  | tatgattttg  | tctggcagct  | tttcttaatc | 3694380 |
| cattgtcctt  | gttgctgtgc  | atagttaatc  | ctccttttgc  | atcagtagat  | ataatttttt | 3694440 |
| gcgtaagcga  | tgtagtttga  | ctttaatatt  | cccttcgttc  | aggttcagga  | tgtgggcaag | 3694500 |
| ttcctgtata  | ggacgttcc   | cttcataaaa  | tagagtgacc  | agcgcacgtt  | cttcggccgt | 3694560 |
| cagtttggtc  | aatgcttgtt  | gtagcttttc  | tatttgttct  | tctgagtcac  | tattcaaagc | 3694620 |
| atcatctatt  | tgtgtatccg  | atatctggtt  | ccaagagttt  | tctgcaatca  | cagtttgttc | 3694680 |
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| agagaaaacta | cttttcccgt  | tgaaggctga  | taaagtgttcg | aaggctttca  | taaattgcac | 3694800 |
| ttgcgtcagc  | tcttcggcat  | cttcttcgga  | attgaccata  | cggacaatca  | aagcaaaaac | 3694860 |
| cggttgtccg  | taggtatcga  | ggaagtaagc  | atactcttca  | gtctttcctg  | ccaggatac  | 3694920 |
| cgtgatgata  | tatgattcgt  | cttttttcat  | ttgtcttttt  | agacgcttgt  | cagaagtcga | 3694980 |
| ggttacaaaa  | atacggaaaa  | aattttttct  | tcattagaat  | tgtaaccttt  | tcatgtattg | 3695040 |
| gttcgtctaa  | acggacaaa   | aaacaaaatt  | attcacttaa  | aagaaatgcg  | atatggaaga | 3695100 |
| attaatgatt  | gtggctaatt  | ttgcaatagt  | ttttggagtt  | atttacaagt  | tgttcgaact | 3695160 |
| gtttgtcgg   | aggaaagaac  | gtatgatgtt  | gatagaaaaa  | cttcctgtgg  | aaactttgac | 3695220 |
| ggacgaaaag  | ctgaaaaatg  | gtggcttgtc  | tttgtgtgat  | ttgaaggaga  | atctttttcc | 3695280 |
| aacatcttct  | acctctcttc  | gttttggtcg  | tctgctgata  | gggcttggac  | tggggctatt | 3695340 |

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|------------|-------------|------------|-------------|-------------|-------------|---------|
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| tcgtcctgtc | cgtgaaaccg  | tttccattat | ttatgggtgcc | tgtgtgttgt  | tgggaggagg  | 3695460 |
| tattggactg | attgtagcat  | ttgttatcga | ggtcattcgt  | gcttcccgtc  | ataaatagaa  | 3695520 |
| gtccatattc | tgagctttta  | taaactcttt | gtatctttgt  | cgggtgtaatt | gattggattt  | 3695580 |
| atggcaagga | aagaggaata  | taaacagcag | aacattgatt  | tcttgaaaga  | aatttcacag  | 3695640 |
| aaagaaggag | tacaaagaca  | tccttccggt | attatgtatg  | aggttgttca  | gcagggaagt  | 3695700 |
| ggtacacaat | cgcctaattt  | gagaagtatt | gtttctgtgc  | attatcgagg  | aacgctgac   | 3695760 |
| aatgggcgtg | aatttgataa  | ctcgtggaag | agaggatgtc  | cagaagcatt  | gcgcttgtcg  | 3695820 |
| gatgtgatag | aaggctggca  | gatagctttg | cagcagatgc  | gtgtcggcga  | tcgttgggtg  | 3695880 |
| atztatattc | cttctgaact  | ggggtatggg | aatcggcctt  | caggcccat   | tccggcttgt  | 3695940 |
| tccacattga | tttttgacgt  | ggaattgctc | aatgtatttt  | gaaaacttgt  | ttaaaactca  | 3696000 |
| attttattca | agatgaatgt  | taatctgaat | cttgaatagt  | acggaggtaa  | aagagaaggg  | 3696060 |
| tgtatcatta | ctcaaaatag  | agtttgatat | gccttttctt  | ttgcactaat  | tataagaatt  | 3696120 |
| aagtagagga | ctattgttcg  | ttgggcgcgt | ggagacagat  | gattgcagtt  | acactccatg  | 3696180 |
| taataatggt | ttagtctgtt  | tcatttttca | tcgaatcgat  | ctttaaagaa  | aaaaccgtga  | 3696240 |
| atgcttgtat | cttatttcctt | ttatgtttta | attgcacaaa  | aggaataaga  | tgtaagtcgt  | 3696300 |
| tgattaaaat | ttaatatcta  | tgaaaacgtt | ttctcaaatt  | tatttgtgtt  | aagtgttgct  | 3696360 |
| tcgtgcgtgt | ttttttgtaa  | ctccaaagat | tactgtggc   | atggggctgc  | atcatcgact  | 3696420 |
| gattttaatc | tctaagatga  | tgtaatgttg | attgatccta  | ggctctactg  | agttgacttc  | 3696480 |
| tgaagatact | aacgagatc   | agatttattt | ataaaacgtg  | agaatatttc  | tcctactttt  | 3696540 |
| tgtctgttc  | cttcttccc   | aaattagagg | gggatatcgt  | caataaggat  | tgataaggaa  | 3696600 |
| tatattgcag | cttgtgatgt  | ggtaattttg | atcgttttat  | agtagaataa  | aagtaatgcg  | 3696660 |
| ataactttta | taaatcaatt  | tagaatatat | gagaatcgta  | gaaaatgtag  | ttgcagcatt  | 3696720 |
| gttggtattt | ggttttgctg  | tcggactatc | tgcttgcaaa  | gatgatggct  | atcctgaagg  | 3696780 |
| tccgtacact | ggtacagaat  | atgatatact | tcctgtgggt  | attaagggtt  | atgtaaccga  | 3696840 |
| tagcgaagga | catgatttgt  | tgaatccgga | agtgcgaac   | acgattgtga  | acaataagat  | 3696900 |
| taaggctcct | tacaaagcta  | aggaatatga | gatgcattgg  | gaaccggagc  | attcttcttg  | 3696960 |
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| tggacgttat | tttctgacat  | tcggtgattt | cgatcgacag  | acatgttatg  | aagatgaaga  | 3697080 |
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| gaaagaggga | tgggaagagg  | tcacaatagt | gaagtcattt  | gataatgata  | tttagatggc  | 3697260 |
| taaccggtcc | ttttagtgtg  | tacgatatgt | acgagatgtg  | agtttattgc  | cttttttagcc | 3697320 |
| cttcacaccg | atttgtctct  | tgtcgcata  | gactaaaaat  | gacgactctc  | tatgcactgg  | 3697380 |
| tgaagggcgt | gaagggcaaa  | aacaggtgtt | ttttttcttt  | aaaaggtacc  | tgaaatgggtg | 3697440 |
| gaactagccc | tttacggtct  | tgttgaggta | tgcttgtttt  | cttcttttgt  | cggatttttt  | 3697500 |
| tgtcgtttcc | acaggggaagg | agtttttgct | tttcttgttg  | gagcaggatt  | ggaagtccag  | 3697560 |
| gaaagctgct | tgtttattgt  | agtcgtagaa | tttttagaat  | acacactttt  | cgtttgctttt | 3697620 |
| ccagaatgta | tttgctggga  | tagtttgga  | tccgttactg  | catcctggct  | tgttttgatt  | 3697680 |
| ttatcatcca | tacatttttt  | gcatagtggg | gggtgaactt  | gaaaaatttg  | tttcttcgcc  | 3697740 |
| tatctgttct | gcagagtata  | tccggtattt | ttccccgttt  | ctttcttctg  | cattgtacct  | 3697800 |
| gaatctttcc | ttttccgcat  | aatatttcat | catttttctg  | ttccgaaccg  | cactattacg  | 3697860 |
| cgggtgtctg | gaaaaatttc  | tttcgtattt | ccttcggttt  | ctcccgtgtg  | tgtttcatgt  | 3697920 |
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| ccgtcaatga | cagaatttat  | tcctatcggc | cgtatatctt  | tcatgctttt  | ttcggatgat  | 3698160 |
| tcgataaatt | tttctgcttc  | ttttcccgtg | catttctgta  | tttttccttc  | cgcctacgaa  | 3698220 |



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| ataatttttc  | ttgccttttc  | ccgagcggaa  | ctgagaaatt  | tttcatctca  | ttcccgtatt  | 3698340 |
| ttttatgctt  | ctcctgaatt  | ttttcaaaag  | aaaaatccgc  | ttttttcggg  | ttccattacc  | 3698400 |
| cagtttcgga  | catgtttttc  | ctcgtcatcg  | ggataatttt  | catgtttttc  | cccgtgcagg  | 3698460 |
| gaaagaaatt  | tttctccccg  | ttttcatcat  | tttcgcactt  | tttccggggc  | ttttcaaagg  | 3698520 |
| aaaaatcctc  | attttccgga  | atgaattttc  | cgtccgaacg  | aatatttttt  | cccttcctcg  | 3698580 |
| gggagtattt  | ccggattttt  | tttcgtgtca  | tccgataaag  | aagaccatcc  | ttccagaata  | 3698640 |
| tttttcgtcc  | catccggcag  | gaattttcac  | ctttccggat  | ttttttgcac  | ggttcagacg  | 3698700 |
| cgcgcgcacc  | tgcacgcgcg  | taatagtata  | ttgagtaccc  | ctcccggctc  | cctttccctt  | 3698760 |
| attccggaaa  | acctgccgta  | aaacatacct  | gaaacacagc  | attttatgaa  | ttttcttgca  | 3698820 |
| aaaaaaattg  | aaaaaaagtg  | tgggtaaaag  | ttggagaaag  | cgaaaaagtg  | cgtaattttg  | 3698880 |
| cacccgcttt  | cgagagggaa  | agacgttgaa  | gagatgacaa  | tctgaaagga  | aacggagcag  | 3698940 |
| gaagcagcgg  | ttctgcggcg  | gtccaagtat  | cttaccttaa  | cggcgtttaag | ggagcgagaa  | 3699000 |
| cggcagccgg  | acggagtcaa  | cttcgccgcg  | taaaaaaaac  | tttttgaaaa  | aactttcgaa  | 3699060 |
| aaagtttggc  | ggtttcgaaa  | aaagctccta  | actttgcaaa  | cgctttcgac  | aacgaacgga  | 3699120 |
| agccgcaaaa  | aaggaaatag  | ttctttgaaa  | gacttttagat | aaacaaacaa  | agatgtagta  | 3699180 |
| caagaagtag  | ctgtcatata  | taataatgta  | tatgcggtga  | aaaagaaaga  | accgtcaata  | 3699240 |
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| aaagatatatt | tacaatgaag  | agtttgatcc  | tggctcagga  | tgaacgctag  | ctacaggctt  | 3699360 |
| aacacatgca  | agtcgagggg  | cagcatgaac  | ttagcttgct  | aagtttgatg  | gcgaccggcg  | 3699420 |
| cacgggtgag  | taacacgtat  | ccaacctccc  | gcttactcag  | gaatagcctt  | tcgaaagaaa  | 3699480 |
| gattaatgcc  | tgatggatc   | ttaagcacac  | atgtaattaa  | gattaaagat  | ttatcggtaa  | 3699540 |
| gcatggggga  | tgcgtttccat | taggtagtag  | gcggggtaac  | ggcccaccta  | gccgacgatg  | 3699600 |
| gataggggtt  | ctgagaggaa  | ggtcccccac  | attggaactg  | agacacggtc  | caaactccta  | 3699660 |
| cgggaggcag  | cagtgaggaa  | tattggtcaa  | tgggcgcgag  | cctgaaccag  | ccaagtagcg  | 3699720 |
| tgaaggatga  | aggtcctatg  | gattgtaaac  | ttctttttata | cggaataaaa  | gtggtccacg  | 3699780 |
| tgtgggcctt  | tgcattgtacc | gtatgaataa  | gcacgcgcta  | actccgtgcc  | agcagccgcg  | 3699840 |
| gtaatacggg  | ggatgcgagc  | gttatccgga  | tttattgggt  | ttaaagggag  | cgcagacggg  | 3699900 |
| ggattaagtc  | agttgtgaaa  | gtttgcggct  | caaccgtaaa  | attgcagttg  | atactggttc  | 3699960 |
| ccttgagtgc  | agttgaggca  | ggcgggaattc | gtggtgtagc  | ggtgaaatgc  | atagatatca  | 3700020 |
| cgaagaaccc  | cgattgcgaa  | ggcagcctgc  | taagctgtaa  | ctgacgttga  | ggctcgaaag  | 3700080 |
| tgtgggtatc  | aaacaggatt  | agataccctg  | gtagtccaca  | cggtaaacga  | tggatactcg  | 3700140 |
| ctgttgccga  | tatactgtca  | gcggccaagc  | gaaagcatta  | agtatcccac  | ctggggagta  | 3700200 |
| cgcggcaaac  | ggtgaaatc   | aaaggaattg  | acggggggcc  | gcacaagcgg  | aggaacatgt  | 3700260 |
| ggtttaattc  | gatgatacgc  | gaggaacctt  | acccgggctt  | aaattgcaga  | cgaattactt  | 3700320 |
| ggaaacaggt  | aagccgcaag  | gcgtctgtga  | aggtgctgca  | tggttgtcgt  | cagctcgtgc  | 3700380 |
| cgtgagggtg  | cggcttaagt  | gccataacga  | gcgcaaccct  | cgtggccagt  | tactagcagg  | 3700440 |
| taacgctgag  | gactctggcc  | agactgccat  | cgtaagatgc  | gaggaagggtg | gggatgacgt  | 3700500 |
| caaatacagca | cggcccttac  | gtccggggct  | acacacgtgt  | tacaatggga  | ggtacagaag  | 3700560 |
| gcagctaccc  | ggcgacggga  | tgccaatctc  | caaagcctct  | ctcagttcgg  | actggagtct  | 3700620 |
| gcaacccgac  | tccacgaagc  | tggattcgct  | agtaatcgcg  | catcagccac  | ggcgcggtga  | 3700680 |
| atacgttccc  | gggccttgta  | cacaccgccc  | gtcaagccat  | gaaagccggg  | agtacctgaa  | 3700740 |
| gtgcgtaacc  | gcaaggagcg  | ccctagggta  | aaaccggtaa  | ttggggctaa  | gtcgtaacaa  | 3700800 |
| ggtagccgta  | ccggaagggtg | cggctggaac  | acctcctttc  | tggagcgtga  | ccgagtgaag  | 3700860 |
| gtcctttcta  | tcttggtgctg | catgcgagtt  | gttttaacga  | aataaagaga  | gaaagatgaa  | 3700920 |
| gccgagtcag  | gaaacagacg  | aggttgaact  | gaatcacgca  | agctagtcct  | atagctcagt  | 3700980 |
| tggtagagc   | gctacactga  | taatgtagag  | gtcggcagtt  | caactctgcc  | tgggactacc  | 3701040 |
| tcgagaaaaag | ggagcgaaga  | aaaaacttcc  | ttaaaaattt  | gctcaagcga  | aagtaaattgc | 3701100 |

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| cacgcagggg | gtcaacgggt  | cgaatccgtt  | attctccact | atagaaaaat  | aggtctatga  | 3701220 |
| catgatgtaa | caagcaaaaa  | gtaatttttag | tacgaaagct | aaaagtatat  | atcatcccg   | 3701280 |
| attgttgaaa | aatgggtgtga | acgataagga  | aagtaaagaa | gggcgcagtg  | cggatgcctt  | 3701340 |
| ggctctcggg | ggcgatgaag  | gacgtgataa  | gctgcgataa | gtcacgggga  | ggtgcaaata  | 3701400 |
| acccctgatc | cgtgaatctc  | cgaatgggac  | aaccaatac  | cttgaagagg  | tattacctta  | 3701460 |
| cacagtaagg | ggctaacgca  | gggaactgaa  | acatcttagt | acctgcagga  | aaagaaaata  | 3701520 |
| acaatgattc | ccccagtag   | tggcgagcga  | acggggaaga | gcctaaacca  | ccggtgttac  | 3701580 |
| ggcacaggtg | gggtttagtg  | accgcgtcgt  | tgcaagaaat | cttgcgagaa  | gaacgatctg  | 3701640 |
| gaaagtctcg | ccgaagacgg  | tgacagcccg  | gtattcgaag | caagacgaag  | catagcggta  | 3701700 |
| tcctgagtag | cgcggaacac  | gaggaattct  | gcgtgaatct | gccgggacca  | tccggcaagg  | 3701760 |
| ctaaatactc | ccgagagacc  | gatagtggac  | cagtaccgtg | agggaaaggt  | gaaaagcact  | 3701820 |
| tcgaacagaa | gagtgaataa  | gtacctgaaa  | ccgtgcgcct | acaagcggtc  | ggagctccta  | 3701880 |
| acggagtgtg | ggcgtgcctt  | ttgcataatg  | aacctacgag | ttgccgtcgt  | tggcaagggtt | 3701940 |
| aagggacacg | agtcgccgag  | ccgaagcgaa  | agcgagtctg | aacagggcgt  | cgagtcagcg  | 3702000 |
| gcggcagacg | cgaaaccaag  | tgatctaccc  | ttggccagga | tgaagtctgg  | gtaacaccag  | 3702060 |
| atggaggtcc | gcaccaataa  | gcgttgaaaa  | gcttctggat | gagctgaggg  | taggggtgaa  | 3702120 |
| aggctaatac | aacttgagga  | tagctcgtac  | tccccgaaat | gcatttaggt  | gcagcctcgt  | 3702180 |
| ggattactga | tgtgaggtag  | agcgactgat  | tggatgcgag | ggcttcaccg  | cctatcaagt  | 3702240 |
| cctgacaaac | tccgaatgcg  | catcagtttt  | acccggggag | tgagggcagtg | ggtgctaagg  | 3702300 |
| tccgtgcccg | agaggagaag  | aatccggacc  | accggctaag | gtcccgaat   | gacagctaag  | 3702360 |
| ttaaactaac | gaagtctgat  | tgctaagaca  | gctaggatgt | tggcttgga   | gcagccattc  | 3702420 |
| atttaaagag | tgcgtaacag  | ctcactagtc  | gaggaatcgg | gcatggataa  | taatcgggta  | 3702480 |
| taagtgtct  | accgaagccg  | tgggaaccagc | aatggttggg | aggggagcat  | tccattcggc  | 3702540 |
| gtcgaaggcg | taccgcgagg  | tactctggag  | cgtatggaaa | agcaaatgta  | ggtataagta  | 3702600 |
| acgataaagg | gggtgagaaa  | ccccctcgcc  | gaaagactaa | ggtttcctga  | tcaacgctaa  | 3702660 |
| tcggatcagg | gtcagtcggg  | tcctaaggct  | cagccgaacg | gcgaggccga  | tggcagaaac  | 3702720 |
| ggttaatatt | ccgttactac  | cttggagggt  | gacgtggaga | agcagaagtg  | acactgccgc  | 3702780 |
| gggctgacgg | aatagcccgt  | taaagagtgt  | aggtgctgat | tccgcagggc  | aaatccgcgg  | 3702840 |
| gaagagccga | acttgacagt  | atggagcgct  | ctccgggaca | atccaacagc  | gcaggtaagc  | 3702900 |
| agactgccga | gaaaatccgc  | taaacataac  | ttccatggta | cccgtaccgc  | aaacggacac  | 3702960 |
| acgtagtcgg | gttgaatata  | ctaaggcgct  | tgagtgaatc | acgggttaagg | aactaggcaa  | 3703020 |
| actgaccctg | taacttcggg  | ataaagggtc  | cctcctcgca | agagaggcg   | cagagaatag  | 3703080 |
| gtccaggcaa | ctgtttaaca  | aaaacacagg  | gctgtgcgaa | tatgaaagta  | gaagtataca  | 3703140 |
| gcctgacacc | tgcccgggtg  | tgggaaggta  | agaggagatg | tcacgcaag   | agaagcattg  | 3703200 |
| aattgaagcc | ccagtaaacg  | gcggccgtaa  | ctataacggt | cctaaggtag  | cgaattcct   | 3703260 |
| tgctgggtaa | gttccgacct  | gcacgaatgg  | tgtaatgatc | cggacgctgt  | ctcaaccgtg  | 3703320 |
| agctcagtga | aattgtagta  | tcggtgaaga  | tgccgattac | ccgcgatggg  | acgaaaagac  | 3703380 |
| cccgtgaacc | tttactatag  | cttagcattg  | aatttgggca | cgcgatgtgt  | aggataggtc  | 3703440 |
| ggaggcaatg | aagcaggcac  | gccagtgttt  | gtggagccgc | tgttgaaata  | cgaccctttg  | 3703500 |
| tttgtttgaa | ttctaactcc  | cggatggagg  | acattgcttg | gtgggtagtt  | tgactggggt  | 3703560 |
| ggtcgccctc | aaaagcgtaa  | cggaggcttc  | taaagggtgc | ctcaggacga  | tcggttaaccg | 3703620 |
| tccgcagagt | gtaatggcaa  | aagggcgctt  | gactgggaga | cagacaggtc  | gagcaggtag  | 3703680 |
| gaaactagag | catagtgatc  | cgggtgtttcc | gtatggaagg | gacatcgctc  | aaaggataaa  | 3703740 |
| aggtagtccg | gggataacag  | gctgatccct  | cccaagagct | catatcgacg  | gagtgggttg  | 3703800 |
| gcacctcgat | gtcggctcgt  | cacatcctgg  | ggctggagaa | ggtcccaagg  | gttgggctgt  | 3703860 |
| tcgccatta  | aagtggcacg  | cgagctgggt  | tcagaacgtc | gtgagacagt  | tcggtctcta  | 3703920 |
| tctatcgtgg | gcgtatgaaa  | tttgcgtggc  | tctgacacta | gtacgagagg  | accgtgtttg  | 3703980 |

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| cggataaagt  | ctgaaagcat  | ctaagtacga | agccggccac | aagattagat  | ttctcaggg   | 3704100 |
| cgtcaaagac  | gatgacgttg  | ataggatgca | ggtgtaaagg | tggagacacc  | aaagccgagc  | 3704160 |
| attactaatt  | gcccgttcac  | tttccttgaa | ataaggatgg | atgatataata | ctttcagctt  | 3704220 |
| tgaacaagt   | gctggaattg  | cttgcttggt | agtcataaat | acataaaacg  | atattcaggt  | 3704280 |
| gactatggca  | cgaaggttcc  | acctcttccc | attccgaaca | gagaagttaa  | gcttcgtcac  | 3704340 |
| gccgatggta  | ctgcgcaagt  | gggagagtag | gtagtcgccg | tcttgaagag  | gtcctgcagc  | 3704400 |
| aacgacgctg  | cgggacctct  | ttttatggcc | ggacgcgacg | gggaactcca  | atgtgtatta  | 3704460 |
| gaggcatagt  | tgtacttgat  | gggtaaacag | ctgaatattg | tagtcacaat  | ttgtttgttc  | 3704520 |
| aatggagtat  | ccattgaaat  | cttttcaagt | aggtgtataa | cccatctggc  | aatacagatt  | 3704580 |
| ttgagaatac  | tcacatcgtg  | gacctcacc  | gcaagagggc | atcaaattca  | tggcattttg  | 3704640 |
| atgagtatag  | ttagttattc  | tatccccgtt | tagatgcgga | cattgaaagt  | ccgtagagta  | 3704700 |
| gtgccaatta  | tatctctatt  | tttatacaaa | attgcccctc | tctgtttcac  | cctgcaatag  | 3704760 |
| aggggtgaagt | agataagggg  | caaaccttgc | tgatatttta | agtctattta  | atcaatatgt  | 3704820 |
| ccattaatgc  | ttgggttggtt | atttttccct | tattccagcg | gtcagcaaat  | ccgaactgcg  | 3704880 |
| cactatattc  | ccacaccgca  | tacgggatat | tgttctgccg | tgccaaatcg  | accacgtctt  | 3704940 |
| ttagccatgc  | caatctgata  | ttttctccac | agttcaccaa | acagccaaat  | tcacccaaat  | 3705000 |
| agagcatcaa  | tcctttggac  | ttggcgtaag | ctatagcttc | tgaccaagtc  | tgccgcatcc  | 3705060 |
| attcctgatc  | ataagaatgg  | tgataagggt | ctactacggt | tttctcctcg  | tcagataatt  | 3705120 |
| tattataaac  | gtcgtccgga  | attaattgtc | cgggatattt | catagggcca  | tcgaagttca  | 3705180 |
| aaatacgcaa  | aggagtccaa  | gaagcctggg | aatgggtaat | taataatggg  | tcatagaagt  | 3705240 |
| ggaaagaaaag | tatgatattc  | ttatccccct | ccgggacttt | aatgtttttt  | acgtgagcta  | 3705300 |
| cgttgttttg  | catattggct  | cccaatacta | tgacacgata | tttttctgtc  | tgacgtatca  | 3705360 |
| ttttcacaat  | ccgtagcatc  | aaattcgccc | attgttcatc | ggtaggagct  | actgcttcat  | 3705420 |
| tcagtagttc  | ataggccacg  | tctgttaccg | gatattggcg | taacagattc  | tgaattactt  | 3705480 |
| tccacatctc  | tactaacttg  | tcttgctcag | cagggttgct | ccataaagca  | gcatgtgtat  | 3705540 |
| ctagaaaatg  | gtgggcacgg  | atgatatgca | aatcgaaaat | cactttttaga | ttatacttta  | 3705600 |
| ggcaagtctt  | gattgtgtta  | tgcagaattt | tgactgtgct | ttcattttaat | gtcatgtctt  | 3705660 |
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| acaacttgat  | atcatcctca  | gtaaatattt | tctcacgacg | ctcatccatg  | atagttgact  | 3705780 |
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| aagatttcat  | gtttattctt  | gtataattag | tcaatagtct | gttaaaaatt  | agcccagcct  | 3705960 |
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| ttggttcaat  | cccagacacg  | caaataaatc | gttcaagcat | gtaagcattg  | tgtatgactg  | 3706080 |
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| ttctgtaaaa  | gtccaggaca  | tcctgtgcgt | tctgtatttc | gtttgtagag  | aaatacagct  | 3706320 |
| gccatttgtc  | cgttcttcca  | tccatggggg | accatacagc | caggctcaca  | aagcgtttga  | 3706380 |
| gtgctttgga  | gtatgctttc  | agtccgtaaa | gtttaccctt | gttcactttg  | tactcggtac  | 3706440 |
| atcttgtgat  | gtccagattt  | tcaaagtcaa | ttttctcgtc | atgtaatttt  | ggacgtccgc  | 3706500 |
| gttttctctg  | cctattttct  | aagggtggg  | aaaacaatac | ggcatcattc  | ctgaaacggc  | 3706560 |
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| catcacacac  | gactgtgcc   | gaaatacgtt | tcagctgttc | ctgtatgctg  | ataaggtaag  | 3706680 |
| agctgtacca  | gtcaacaaga  | ttcttctcac | agctttccag | cgttgcggtg  | tcaggtgtct  | 3706740 |
| gtacagagcc  | caaagtcata  | cattcatggg | tgtcaacgtc | tataactcca  | ataccggtta  | 3706800 |
| tttccagtc   | acgtttgtat  | tcaccggcac | aaccggacca | gaaatagcca  | atccacggcg  | 3706860 |

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| aattgttgcg  | gtatgtctgt  | tccgagaaac  | atccataccg  | tcccatttgt  | aggaaattga  | 3707040 |
| tgcggtcagg  | tatagccatg  | aataatttca  | ttgcatccat  | gaatactttc  | tgaaaagatt  | 3707100 |
| tgcttatatt  | tacagctgat  | tcgagagcgt  | ttctgcactc  | ggattggtat  | tgcataagga  | 3707160 |
| gtgattcttt  | agtcataatt  | aaaagtgggtg | aagtacttct  | aatttactaa  | aaatcagtga  | 3707220 |
| attatgaaat  | actttttctg  | ttgattttca  | gctgttttagc | atatcttttt  | catccctttt  | 3707280 |
| cttactcctt  | gacgatttat  | tcttgacagt  | atttcaatga  | tctcttgaat  | ataattttga  | 3707340 |
| accggattat  | gccgattcta  | tgtttaattt  | taatttatcg  | gtaaaaattt  | accgaagtat  | 3707400 |
| tgattagtta  | taaatcaaat  | aaaatcacat  | gaatgaagga  | aatatccata  | ctattactta  | 3707460 |
| tacttaccct  | attgaaaact  | agatattgcc  | cccattcatg  | caattatfff  | ttagttaaaa  | 3707520 |
| caagactcta  | tatcaataac  | ctggattctg  | gtcttccggg  | ccaatttctg  | aatttcgttag | 3707580 |
| aatttcaagt  | gcaggaattg  | gatataattc  | tctgttttag  | tcataatcaa  | acgtacgggg  | 3707640 |
| ggtagcgggg  | agaccatctt  | tcgtatagta  | cgatccgtca  | ttcttcggat  | attccgcatc  | 3707700 |
| tagaaagtct  | ttaccatgt   | ttgtgcggca  | taggtcgtac  | cagaattcat  | actccagcaa  | 3707760 |
| gaactcatga  | cggcgttcaa  | tggttaatgc  | cactttccac  | acatcggagg  | tataaccttt  | 3707820 |
| ctctgtttta  | tactgtgtat  | aataagtctg  | tgcatctggt  | acgtctacaa  | gttccgtatt  | 3707880 |
| atatttcaaa  | gtagaacttg  | catactgttc  | tgatgggctt  | ttcccaactt  | ccagattacc  | 3707940 |
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| caagtgattg  | gaagactccc  | aatctccggc  | ataatcagga  | tttgcctcta  | ccgtctgccc  | 3708180 |
| cgtatagggg  | ttggtttcac  | cgactgccac  | cactgaatat  | tgtcggcggt  | tgtctcccgg  | 3708240 |
| ttcaaaaagag | cggcagaatt  | catgggaaac  | aaaagttccg  | ccccaaccgc  | catattccgc  | 3708300 |
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| caaatcagcc  | caatggtaga  | aggaaacttc  | ccatatactt  | tctttctccc  | aatagtgatc  | 3708420 |
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| tttatataag  | ctcttggctg  | tttcaaaatc  | tttcatgtac  | atgtatgtcc  | atgctgcgta  | 3708540 |
| tgccaaaagca | gctcctttag  | tgaatcgtcc  | atattctccg  | ttctcaggag  | cccagtccag  | 3708600 |
| atacgttgcg  | gcaaaatcaa  | agtcgtcaag  | aatcaattga  | taagtttcgt  | ccatcgtttc  | 3708660 |
| gggtcttggg  | tttgacggag  | tggtagaata  | agtttcacct  | gtttccaaca  | tggttacgcg  | 3708720 |
| gccaaaattc  | tgtgataaat  | ataagtaata  | ataccacagg  | atggcatgtg  | cctgtgccaa  | 3708780 |
| aattttattc  | ttggctgttt  | caccatcttt  | gaagatggaa  | gggtcggcct  | tttctacttc  | 3708840 |
| cgacaaaaaa  | gtattgcaac  | ggctgatagc  | gcggtataca  | atcttccaag  | caacttgga   | 3708900 |
| catgtccttt  | ccggccaccc  | aggagtgagc  | ccagaattcc  | ttgtcccagc  | caccgccacc  | 3708960 |
| tacatccatg  | gctgggaaat  | tgccaatgc   | atgctggggt  | ttcatgttcc  | agctttgtgc  | 3709020 |
| aatatctagg  | tcgaatgcat  | cagcatgctt  | atccggtagg  | aacgtatcat  | acaacgcatt  | 3709080 |
| taatccctga  | tttacaatatt | cctcagagga  | gatcagtaat  | tcgggttcca  | aaatctcata  | 3709140 |
| acggggaacc  | tccaaaaaat  | cttcaccaca  | agatgttgct  | attagcaatg  | ctgcagcaaa  | 3709200 |
| tacggttgct  | aaatatatct  | ttttcataag  | tataattttt  | tattacgtta  | cttaaaattg  | 3709260 |
| aacactcaag  | ccaatattgt  | aagttcgcgg  | gaaaggataa  | cggccatagt  | caaaaccagt  | 3709320 |
| ttgtaataca  | ctcgaattac  | cgatttcagg  | attaccgtat  | ttattgtatc  | cggaaattgt  | 3709380 |
| tgctaaattg  | tctataccta  | aataaacgcg  | tacattttcc  | atacgtgcag  | ctttcaccca  | 3709440 |
| atttttcggc  | aaagtgtatc  | ctaattgcac  | gttaccaatc  | ttcacaaagt  | tgccattctt  | 3709500 |
| cacgtaaata  | ttagatacac  | gtacgttatg  | attctggtcg  | tcgcgagtaa  | ggcgggaata  | 3709560 |
| gatacctgta  | ggattctggt  | cgctccaagc  | attctccata  | tagtcaacta  | agcagttctg  | 3709620 |
| ataaccggaa  | cgagcattgt  | agatagtatt  | caggcgagct  | gcggaataag  | acaagatgtc  | 3709680 |
| ttgtccgaat  | acaccgtaaa  | tgttggcaga  | gaaatcaaaa  | gctttgtagt  | ttactccaag  | 3709740 |

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| tacataaccg  | tcgccattta  | tgtctttgta  | tttgtaatct | cccggtttga | cagcattatt | 3709860 |
| gccaaactga  | taatattggg  | tactaccatt  | tgtagcagcg | gccgcagcgg | cattggctgc | 3709920 |
| atcaatttct  | gcttggttct  | ggaagatgcc  | ttctactacc | caaccataga | aagagcctac | 3709980 |
| tggatatccg  | ttgcgggtaa  | tgctgtaatt  | gtcccaatag | taaccagtat | cgacgttact | 3710040 |
| tgattcaaaag | atatcgtcac  | caacattttac | agcttcggtc | tttaaagttg | agccagttaa | 3710100 |
| tgtagcggtta | atgctccagt  | cttttccaat  | ttgcgtattg | tagttaattg | aaaattcaaa | 3710160 |
| gcctctgtta  | cggattttctc | cggcattagt  | atatacgctc | tcaaatccgg | tagaaggacg | 3710220 |
| gacagccttg  | taaagtaaca  | ggtctttggc  | tgaacgaata | aagtaatcca | tcgtaatatt | 3710280 |
| cagcttattg  | ttgaagaaac  | ctaaatctag  | accaacattg | aattgctcat | tggtttccca | 3710340 |
| tttcagggttc | gtatcgactt  | ctacttcctt  | ggcaagtccc | ggagctgtaa | cggttgcccc | 3710400 |
| gttctttccac | caataataca  | tcatgtattg  | ggaagttatt | tgttcaaccg | acaaattggt | 3710460 |
| tgcattacct  | gcattaccag  | tttgtcccca  | gccgaaacgg | agtttcaa   | tattgaatag | 3710520 |
| tccaagggtt  | ttgatgaatt  | cttcttcaga  | caagcgccat | gccaatgatg | ccgaaggaaa | 3710580 |
| tgtaccccat  | cggtttccgg  | ctccgaagtt  | tgacgaaccg | tcccgacgta | ctgttgccgt | 3710640 |
| aagcagataa  | cggcttttca  | acgtatagtt  | taacctacca | taccaagaca | caaaccgtac | 3710700 |
| cggtaatccg  | taaccgcccc  | tcacattttt  | ggaagaaggt | tcggtagtca | actcaatccg | 3710760 |
| acgaatgtta  | ggagctggca  | tattgtaacc  | gatgccatat | aaatccttgc | tacgagtact | 3710820 |
| attggcagaa  | taaccagcca  | ttaagcctaa  | acgatggata | ttcttggtca | aatcatacgt | 3710880 |
| gaaataagat  | tcgatcccca  | ctgtattgta  | actgttatga | ctcatagaaa | agttatccgg | 3710940 |
| aagattttcc  | gcataagcag  | ttctcggatt  | tactggtgaa | tatgtatcag | attctcgtct | 3711000 |
| attattatta  | taactgaata  | ccgtatgaaa  | tttcaggccg | tctataatat | cgatatccaa | 3711060 |
| gtttgcatta  | gtcagcactt  | ggtggtagcg  | gttccgacta | tcacgttcca | ttgctgcggc | 3711120 |
| atacagatta  | tctgtgtttt  | tttcgatatc  | accggcggtt | tctttcttat | agtgtcccca | 3711180 |
| tgtaccgtcc  | ggccattgga  | taggcacatt  | aattaaagtt | ccggtttcat | caaccgtatc | 3711240 |
| catcgacggg  | atagccgccg  | caaaatcgta  | agcattacca | ctgccttgat | aatggccata | 3711300 |
| cacaaaagct  | acacttgcac  | ccaaatggat  | gaagtccttc | actgtatgtg | tcacatttaa | 3711360 |
| tcgtgtggtg  | aaacgttgga  | attgtgactg  | aacgacaatt | ccttcattat | caaggtaacc | 3711420 |
| gaaagatata  | cgtgcttggtg | tattctccgt  | accgcccga  | acagacaagt | tataattttg | 3711480 |
| ctgcaaagct  | gcacgtgtca  | ttacatcctg  | ccaatcgatg | ttatgcaagc | ggctgtccaa | 3711540 |
| tgatgggggt  | gccaagccct  | gttcggtaaa  | aggtgttcca | tcgtgctgct | tggctatgcg | 3711600 |
| gacagccttc  | acaaagtctt  | ggatggttcc  | tacattcaag | ctgttggtgc | tttgactaat | 3711660 |
| accccagttg  | gctgtaattg  | ccagacgcgc  | ttttcctttt | tgaccctgct | tcgtggtaat | 3711720 |
| cataattaca  | ccgttggcac  | cctgagaacc  | ataaatggcg | gtagccgagg | catcttttaa | 3711780 |
| aatttcaatg  | ctctcaatat  | cgctgggatt  | cagaaaatcg | atacttgtcc | ccgcttgtac | 3711840 |
| accatctact  | acatacagag  | gatcagccga  | accgtttacc | gtagctacac | cacggattct | 3711900 |
| gatggttggt  | ccaccacgtg  | gatcacctga  | gttacgtaat | acctgtacac | cagctgccgc | 3711960 |
| accttgaaga  | ccttggccga  | cgtcgatagg  | attacgtttc | attaagtcct | cagatttcac | 3712020 |
| agagggttacg | gaacccgtaa  | ggtctgattt  | ctttacaaca | ccgtaaccaa | tgactaccac | 3712080 |
| atcatctaac  | atttcagtat  | catccttcag  | gacaatacgg | agagcaggag | tggctgcagt | 3712140 |
| aaccgcgatt  | tcctgagttt  | tataacccat  | atacgaaatc | tccaaagttc | caggtttcgg | 3712200 |
| tatatttaag  | ctaaagttac  | catcaaaatc  | ggaacaaca  | ccaatcgttg | tacctttcaa | 3712260 |
| aagaatactc  | gctccaataa  | tagcttctcc  | cgcagaatct | acaattgtac | ccgtaaccgt | 3712320 |
| aaacgactgc  | tgagttgttt  | gtagatgtgg  | tttttccgtc | ctaaaggtag | catttgcact | 3712380 |
| tgccatttgt  | cctgttccca  | agagggataa  | caagggtcaa | cataccagtt | tttggctcaa | 3712440 |
| atagtttttc  | ataattttac  | ttgatttaaa  | ttaacaatta | taggttaaga | atgttattca | 3712500 |
| ctgatccatt  | catctgccat  | aaatcccatc  | cgactgttgt | gatacggaca | attccacagg | 3712560 |
| ctggctttag  | gctcattgta  | acggggaatt  | ccatcagcag | aaaccgtgcg | gaaccattca | 3712620 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| ccgcattctc  | ggtctatcat  | cttttctttg | atgaagttcc  | acgtatgtat  | ggcactgttc  | 3712680 |
| aggtaagata  | tattacctgt  | tagttgccag | gcattgatgc  | agcctaccac  | agtctccgct  | 3712740 |
| tgacaccacc  | atgaaaaata  | gtttctgata | ctgttgccac  | gtctttcata  | catcatagct  | 3712800 |
| cctgttgccg  | tgtcaatgcc  | ttctttcaag | gaagtatcca  | caagtttcaa  | agctattttct | 3712860 |
| ttgcatttgt  | caaaaacttg  | cggatcacct | aatgtctttg  | cggcctctat  | tagcagccag  | 3712920 |
| gaggcttcaa  | tatcatgacc  | gtaagaatct | atgtcatcca  | gattattcca  | gtttgaatcg  | 3712980 |
| caagatggaa  | ttaggtgggtg | tgtatgggaa | tcatacaaat  | aggtagtcaa  | tatgtcaatc  | 3713040 |
| aatttactta  | atcgtctgcg  | taagccattg | tctctccata  | ccttatataa  | agaagtataa  | 3713100 |
| gcctccaata  | catggatatg  | ggtcaatgtc | ttggttgcat  | ttgggttgcc  | gtcgaaacct  | 3713160 |
| tgtctcttag  | gaattcccca  | cttacgggtg | aacgattcta  | tgtacccgct  | ctttgtgggg  | 3713220 |
| tcttttattt  | tttcttccat  | gattctataa | atatcaatgg  | atttttgcag  | gctttccaga  | 3713280 |
| ttaccggttg  | ccctgaaatg  | ttcagacaag | ccataaatgg  | catacgaca   | tgcgcagggt  | 3713340 |
| tgtttatccg  | tttctaacgg  | tgtgctatct | gctttaacag  | accaatatac  | accgccatac  | 3713400 |
| tgaggatcaa  | tgaattgatt  | aatgaaataa | tgttgcgcg   | ggcttgccaa  | ctttttataa  | 3713460 |
| gcttcattgc  | catacaggcg  | gtaggccgtt | gaaaaagtcc  | ataggatacg  | agcattcagt  | 3713520 |
| acgctacctt  | ttggagcatc  | cattaccgga | gttccatctc  | tccctaccat  | tccatagaaa  | 3713580 |
| cctcccgag   | ggtcgacgat  | atgtttctcc | cagaagggaa  | gaatgttggt  | ttttagggtcc | 3713640 |
| gatacgattt  | actgcgtaa   | aacatcaata | ggtatggatt  | gtgctttcgc  | agaaaaatct  | 3713700 |
| gttatccaca  | ataaactg    | ggtgcaaatg | aaaatgagaa  | atctgttttt  | catagtggta  | 3713760 |
| atagctatac  | ttctcaactt  | tgtatatggc | aaatttatgt  | ttttttatta  | tcctattatg  | 3713820 |
| ttaagcctgc  | ttcaatttta  | atgacataaa | tgtttccaaa  | aaagtatata  | tttgaatcca  | 3713880 |
| tacctcggtt  | atgatacaaa  | taagtatgtc | atactataaa  | tatgacacct  | atcgtctctt  | 3713940 |
| ttacagctta  | ctttttttga  | atagatttgt | aatctgttta  | aacgaaatat  | attatgaata  | 3714000 |
| aatcaactcc  | cttttccatt  | tgtattctgg | tactatgcat  | aaataccata  | tttatatcta  | 3714060 |
| ctcgtttaca  | agccaatggt  | atcgagcagg | ttatgttttag | gcaaatacc   | acctcggaag  | 3714120 |
| gtctctccaa  | taacaatatc  | aactgtctgt | accgagacag  | ccggggattc  | ttgtggatag  | 3714180 |
| gtactaattc  | tggcttaaat  | cgttatgatt | cctataat    | ccaacaatat  | taccaggaca  | 3714240 |
| ccgacaatct  | acccgataac  | cgcataca   | acatctttga  | ggattgggac  | ggtaatat    | 3714300 |
| ggattggtac  | tgaacaagg   | tatgctat   | atgactacc   | aacaggcaaa  | ttcgatccta  | 3714360 |
| attgtaaaga  | ccggattcat  | aatattcaat | acttcggtaa  | atttttaccg  | ataaattaaa  | 3714420 |
| attaaacata  | gaatcggcat  | aatccggttc | aaaattatat  | tcaagagatc  | attgaaatac  | 3714480 |
| tgtcaagaat  | aaatcgtcaa  | ggagtaagaa | aagggatgaa  | aaagatatgc  | taaacagctg  | 3714540 |
| aaaatcaaca  | gaaaaagt    | ttcataattc | actgattttt  | agtaaattag  | aagtacttca  | 3714600 |
| ccacttttaa  | ttatgactaa  | agaatcactc | cttatgcaat  | accaatccga  | gtgcagaaac  | 3714660 |
| gctctcgaat  | cagctgtaaa  | tataagcaaa | tcttttcaga  | aagtattcat  | ggatgcaatg  | 3714720 |
| aaattattca  | tggctatacc  | tgaccgcac  | aatttcctac  | aaatgggacg  | gtatggatgt  | 3714780 |
| ttctcggaac  | agacataccg  | caacaatttt | gagaacgacg  | gctttgactg  | gttttccttc  | 3714840 |
| aatgaagcca  | tcatacaggga | acaccttaaa | ggtggtcgca  | aggcgatagc  | cgttgatccg  | 3714900 |
| tctttcattc  | caaaatcagg  | cagcaaaacg | ccgtggattg  | gctattttctg | gtccggttgt  | 3714960 |
| gccggtgaat  | acaaacgtgg  | actggaaata | accggtattg  | gagttataga  | cgttgacaac  | 3715020 |
| catgaatgta  | tgactttggg  | ctctgtacag | acacctgaca  | acgcaacgct  | ggaaagctgt  | 3715080 |
| gagaagaatc  | ttgttgactg  | gtacagctct | taccttatca  | gcatacagga  | acagctgaaa  | 3715140 |
| cgtattttctg | gcacagtcgt  | gtgtgatgcg | ttcttttcaa  | aggcaacttt  | catcaaacca  | 3715200 |
| ttgtacgata  | acggtttcca  | cgtaataagc | cgtttcagga  | atgatgccgt  | attgttttat  | 3715260 |
| cccaccttag  | aaaataggac  | aggaaaacgc | ggacgtccaa  | aattacatga  | cgagaaaatt  | 3715320 |
| gactttgaaa  | atctggacat  | cacaagatgt | accgagtaca  | aagtgaacaa  | gggtaaactt  | 3715380 |
| tacggactga  | aagcatactc  | caaagcactc | aaacgctttg  | tgagcctggc  | tgtatggtac  | 3715440 |
| cccatggatg  | gaagaacgga  | caaatggcag | ctgtattttct | ctacaaacga  | aatacagaac  | 3715500 |

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| gccaaagcaac | atgccggaat  | agcaaactgt | cagtctacag | acttcaggaa | actggcattc  | 3715620 |
| cactttaatg  | catcacttgc  | agcgataaac | ctcgccaagg | ctgcctgtaa | gaagatggga  | 3715680 |
| ataaaatatt  | ccatatcatc  | atgcaagtca | gtcatacaca | atgcttacat | gcttgaacga  | 3715740 |
| tttattttgcg | tgtctgggat  | tgaaccaaac | acgcaattaa | ttgacaaact | tttcaaagaa  | 3715800 |
| ctcattttat  | ttactgccag  | agccgcttag | gctgggctaa | tttttaacga | actattgtaa  | 3715860 |
| tattaatata  | ttttgcgaca  | ctatctccat | ggcaggaatg | gaccgtgaaa | tgaaatatct  | 3715920 |
| atgggtacat  | gacgatcata  | aatctactt  | gtattatcct | cggcagaaaa | tgacaaaaat  | 3715980 |
| atatccactg  | atggacactt  | ctatttccga | cctttttgtc | acaggcaaat | atattttattc | 3716040 |
| tattttacaat | gatggaaaac  | tatatcttac | tgatattaac | tcgtcactca | atcaggaaat  | 3716100 |
| ccatattccg  | tacgaatatg  | gggacctgct | gagaaagcac | tatcccaaaa | tttatgtaga  | 3716160 |
| ccgtaacgac  | ggcatctggg  | tacacacttt | tcagaatagc | ctgctcttat | ataaaaaaaaa | 3716220 |
| tctccagacg  | gaatggcaag  | agattaaatt | gccacccac  | aacgaacagt | tcaaccggat  | 3716280 |
| tcgtaccatt  | gcagaagatt  | ccaatggaaa | tatgtggctc | atcactagcc | accttggtgc  | 3716340 |
| atttattttat | caattgcaat  | cgggtgacct | tactcaattt | acacataatt | cgttaaaatc  | 3716400 |
| tcatactctt  | gccagtaata  | atctcagcgc | catacacata | gatagggaag | gtattgtttg  | 3716460 |
| gataggtaat  | ttcaggcatg  | gagtatctta | ttatgtacct | cagtcgcaag | tattcttgaa  | 3716520 |
| ccagaaacta  | tatcagtata  | atgaaatcat | ttcattttgt | gaagactctg | tttccatttg  | 3716580 |
| gtatggaacg  | gatggcggag  | gactgatgcg | ccaaatgcat | aacgatccga | tgccccagca  | 3716640 |
| aataaccaca  | cctgcaaacg  | tcattattac | catcaagaaa | gatagtcggg | acagactatg  | 3716700 |
| gttaggcagt  | tttcaaaacg  | ggctactttg | ctacgatcac | ggtaaaataa | cccagtacac  | 3716760 |
| cagtcggaat  | agcggactgc  | tgagcaatga | tgtctacggc | atacaggagg | acaaggaggg  | 3716820 |
| aaacatattg  | gtaggactcc  | tgaacggtaa | tattcaaaaa | ctggatatcc | ggacacaaaa  | 3716880 |
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| caacgacacc  | ttgtttgctg  | ccacttcggt | aggactcatg | tatcttaata | caaataccaa  | 3717000 |
| gcagttccat  | tttataaaca  | aaaacaaaag | gaacagccaa | atattggaag | aacagtcctt  | 3717060 |
| ttataccatt  | tataaagata  | gtcgaggtat | cctttggatg | ggtggaagtc | aaggctcttg  | 3717120 |
| ctggtggaat  | ctccatactg  | atagcatagg | atatataaat | cataacaatg | gtttgtctgc  | 3717180 |
| caacatggta  | actgccattg  | tcgaagacaa | taatcggcag | atatgggtag | gaacctgcaa  | 3717240 |
| tggaattgcc  | cgcattaacc  | tgtcacaagg | aacgttcaat | atcaccaact | atgacgtgga  | 3717300 |
| ggacggaatt  | atctcaaacg  | atgtcagcga | acgagcttta | tataaactgc | gtaatggtaa  | 3717360 |
| cattcttgtg  | ggcaccctta  | atggttatac | taccatcatt | ccacaagaga | tagttcacga  | 3717420 |
| tacctataaa  | gcgaaagtct  | accttacaga | tatcgaacca | cagtattact | ccttgctcga  | 3717480 |
| aatgcttaac  | ggcaaatctc  | ccgaatgtgc | ctccgaaatc | attttagaga | gagaaatccc  | 3717540 |
| ttctttacgg  | ctctattttt  | cgaccctaaa | ctttattgaa | tcgcgcaaaa | cacgctatgc  | 3717600 |
| ctatcgtttt  | aaggggacaat | caagccaatg | gaactacacc | gctgacaatc | agatagaact  | 3717660 |
| ttccttgctc  | ccaccgggta  | aatatgaact | acaagtcaga | gcatgtaatt | ccgaatgcat  | 3717720 |
| gtggtcacct  | gatgttaaga  | ccctcataat | acacatcttg | ccaccttggt | atcggacatg  | 3717780 |
| gtgggcttat  | tgtctcttca  | cggctgccat | tctggcggtt | gtatggggat | tcatcgtcca  | 3717840 |
| ttttcatgtc  | aaacgcaaaa  | gaattgaagc | tctgaaagct | atagaacagg | aaaacgaacg  | 3717900 |
| ccaacagaga  | ctgacagatt  | tgaaaatgca | attctttgct | aatgtcagcc | atgaattgcg  | 3717960 |
| gactcccctt  | tcgctcatca  | tcaatccgct | tgaggagttt | ttaaacaaat | accacagta   | 3718020 |
| caaaaacagc  | ttgctttaca  | cagtgcagaa | taacgctcgt | tatctgttag | aactgataaa  | 3718080 |
| ccaattgctt  | aatttccgta  | agctagacgc | tcacggagag | accatccaat | atattcatag  | 3718140 |
| tgatatcggt  | cgtttggtaa  | aagaccagtt | tcagtcgttc | gaaagcatag | cccaaaagag  | 3718200 |
| gggtatcagt  | tataagttta  | ccagtcagca | acctagattt | cctatggatt | ttgactatga  | 3718260 |
| caaagtacga  | aaaatagtca  | tgaatctgtt | gtctaattgc | tttaaattta | tcgaagatgg  | 3718320 |
| tggcagcatt  | gaaatcaaaa  | ttaatatcgt | ggcaggtaat | gttgtgatgc | aattctgcga  | 3718380 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
| taccggatgt  | ggtatcgatg | ccggtcaaca | ggaaaagatt  | ttccaatggt  | tttatcaggc  | 3718440 |
| agaacgtcgg  | gaaaaccact | taggtggaag | cggaatagga  | ttgtacctcg  | tagccgaata  | 3718500 |
| cgtaaaaatg  | cacaagggaa | acattcaggt | ttccaccaat  | atccccaag   | gaagtatctt  | 3718560 |
| tactgtcacc  | ctgcctatgc | acaccggtac | acaatccatg  | ccacaagagg  | ttactagcaa  | 3718620 |
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| ccgccagttt  | gtagagaaag | ccatccaaat | tgttgaagac  | aatatcaata  | acgccgattt  | 3719160 |
| ttccgtagaa  | gaattagctg | agaaattaaa | tatttcgcgg  | ggataacctgt | acaagaagat  | 3719220 |
| cgtcaagctc  | acaggtaaaa | acgctctcga | attcattcgg  | ctcatccgca  | tgaaacgtgc  | 3719280 |
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| caactcacc   | aaggttttca | ccaaacattt | taaggaaaag  | tttgggtatga | ctccatctga  | 3719400 |
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| gtaaagggaag | tagataaaaa | ttggattggg | ggcatattat  | taggggaaat  | agattaccaa  | 3719520 |
| atatccgtct  | ggaaaaggga | aacgaatggg | aatacacata  | caatgacgtt  | aatggataca  | 3719580 |
| aaagaaggct  | gtccgtatat | atttaaatct | gtatttttagg | gcagaaatta  | acaacccaaa  | 3719640 |
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| acccggactt  | tcaattcaac | tatacagtga | aagtagaagg  | gaaaggagat  | catgtggaag  | 3720060 |
| ttactgtaga  | tttggaccgt | cccgtaccac | aagaatttct  | gggtaagggtg | ggcttcaaca  | 3720120 |
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| tttttccaca  | acagcctaac | tcaccgctgg | ttactaccag  | tcctaattac  | ttgcacacgg  | 3720240 |
| gtaattacca  | cccagaaggc | cagccgttgg | cagacatggc  | taacttgatt  | ggcaaaggct  | 3720300 |
| atagccctat  | tgttgcatat | gacattatta | gtaagccgta  | tgctatgggt  | aagaagttca  | 3720360 |
| cttctcgtcc  | cgatgatccc | tataataagg | ttactattga  | gtccttgtcc  | ggagatttaa  | 3720420 |
| aactatatga  | tggtcgcagt | aaccataata | acggctgggt  | tgtactgcgt  | agcgagattg  | 3720480 |
| caccgggtgt  | taccaagaat | gccgtgaagt | ggattattac  | tcccgcctgt  | atgccagact  | 3720540 |
| ggatatatcg  | gcctgtcatt | cagacttcac | aaatagggtta | tcatcccaac  | cagcctaaag  | 3720600 |
| aagccatcat  | tgaatgggat | actcgtataa | accgtcaggc  | tatggcacag  | gtggtacgca  | 3720660 |
| tcggatcgga  | taaggaagag | atagtgaaaa | ccgtggttcc  | tgccaattgg  | ggaaaattcc  | 3720720 |
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| atgagaaaata | ccgtgtatgg | catggcactt | gtcatatgga  | cgatgcgcgc  | atggcacctg  | 3720960 |
| cccataatca  | tattgacggc | tatgacaaa  | aaccgggatt  | gtcaaagtat  | agcgcagggtg | 3721020 |
| atttagtgcc  | gggcgtgaat | atcgggtggg | ggcatgatgc  | aggcgacttt  | gacttacgtg  | 3721080 |
| tagaatcgca  | ggcaggcgaa | gcatacatcc | tttcgtagc   | ttacgaggcc  | ttccatccgg  | 3721140 |
| aaatagatgt  | aacgtccatt | gattatatta | accgtgtaac  | ggaaattcat  | caagctgatg  | 3721200 |
| gaaagaatga  | tcttttgcaa | caagtggaaa | atggtgcttt  | atctgtagtt  | aactcttatc  | 3721260 |



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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
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| tgggtgatgc  | tgccgctatg  | actgatggta  | aacttggtaa  | cgaggatgac  | cgctggattt  | 3721380 |
| tactgagga   | gaacccgaac  | cgtgaactct  | ccaccgctgc  | taatcttgct  | gctgcttcgc  | 3721440 |
| gagtgttgaa  | aggtttcaat  | gatacattaa  | gcgtacattg  | tctgaacatt  | gcccgtaga   | 3721500 |
| tattccaacg  | taccgaaggc  | gataactcgc  | gcatagcatc  | atccaagata  | caagcagccg  | 3721560 |
| tagagcttta  | tctggctacc  | aatgaagact  | tatataagga  | ttttctactt  | gataacgagg  | 3721620 |
| aacttatcgt  | gaaacaaatc  | ggacaaactg  | gttgggtatac | cgcccgcgtg  | gagcaacgtt  | 3721680 |
| ttgccc aaat | gaagaatgtg  | aaggcacaag  | ctttttctaa  | ggactttcgt  | aaggcttttg  | 3721740 |
| tggcttacaa  | ggaacagttg  | gacaaggaag  | tcgtttccac  | tccttatggc  | gtaccctatc  | 3721800 |
| gtccacacat  | ctggggagca  | ggctgggata  | tccaaggctt  | cggtttccgt  | cattattttc  | 3721860 |
| tggcatcagc  | ctatccaaat  | atcttcgata  | aagagcctat  | cttcaatgca  | cttaattttg  | 3721920 |
| tgtaggatg   | ccatccgggc  | agcaatcagg  | aatcttttgc  | ctcgggtgtg  | ggggcagctt  | 3721980 |
| ctgccactat  | tggctacggg  | ttgaatcgtg  | ctgactggtc  | gtacattcct  | ggcggcgtga  | 3722040 |
| tttctggtac  | agcattgata  | cgtcccgaat  | ttcctgagct  | gcttcatttc  | cccttcttgt  | 3722100 |
| ggcaacagaa  | agagtacgtt  | ttgggaggtg  | gctcttcaca  | ttatatgttc  | ttagtatttg  | 3722160 |
| ccgtacaaca  | gatgttaaag  | gaataatgac  | tctattcgca  | atgtgaaaac  | tgcagtatgt  | 3722220 |
| tattattcca  | catcctaaaa  | acatttatcg  | ataaggtgag  | gagatggttg  | ttaagtctta  | 3722280 |
| cctcatggta  | aagataggat  | tctggatttg  | ccttaacatc  | caatgccttt  | gactagagga  | 3722340 |
| catacttgcg  | aatatcttaa  | tga aaacct  | ctattaacaa  | gtgtactagt  | catggattac  | 3722400 |
| actttggagg  | tggaagggtg  | ccggaaacag  | aaccagccgt  | ggtatatgta  | ggtaatttgt  | 3722460 |
| ctgataacct  | attcctaaaa  | cagaaaatca  | cgctggtagc  | ataagagtct  | agttggcttt  | 3722520 |
| ctcacaaatt  | gaaatttgag  | tattctttta  | aaaactaaag  | aaggctcgtat | cactactcaa  | 3722580 |
| tacagagttt  | gatacgaccc  | tttttttata  | ttatagttgc  | aatctgtaac  | tttgggagat  | 3722640 |
| ggctatttaa  | actttaaaca  | ctcctaattt  | gttaatctgt  | ttgttacggt  | atggttaatg  | 3722700 |
| aatcagcgt   | tttatgcctt  | ctacaatatt  | cccattggag  | aatacacatc  | ttacattgat  | 3722760 |
| atctttatcc  | atgataacaa  | tgtctgcatc  | ttttcctttc  | tgaagagtac  | ctttatggtc  | 3722820 |
| atcaattcca  | ataagtcttg  | ccggagtttc  | tgaagccata  | cgaacagcgt  | ctgccaacgg  | 3722880 |
| tatagcagct  | ttcttgacca  | ttgtctgtac  | cagcgtatcc  | atggtagcca  | gacttccgac  | 3722940 |
| cagtgccgaa  | tgatcggcta  | gtttgcatac  | accgttttcg  | atgatgaatc  | tcgggtcaac  | 3723000 |
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| aacacctttc  | aattttatata | caagcttcag  | aatagttgca  | ggcaaattgga | ttccgtctgc  | 3723120 |
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| gtattcccga  | cgcttggtga  | accctggcat  | ggcattataa  | aagtgagctg  | catgtgtaaa  | 3723240 |
| gccagcctca  | aatgctgcct  | taatttcagg  | atattctgct  | tcagtatggg  | taatggcagt  | 3723300 |
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| gggatctttt  | agaaattcct  | cccattgtgg  | tcctgccatt  | tttttgttca  | ggtaagggtcc | 3723480 |
| ttcgaatgtg  | aatccctgta  | tcgtacttcc  | cgattctttc  | atcaattctt  | cgcattgtgtg | 3723540 |
| aacagctttt  | ctgatattat  | cgaagctggg  | ggaagagagt  | gtggggaaaa  | tagaggttgc  | 3723600 |
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| atcatgtccg  | cctcctccgt  | gtgcatgcat  | gctgatgaat  | cccgggtacga | taaacatttc  | 3723720 |
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| agagcaatga  | tatccgcatc  | ctttcctttc  | tccaatgtac  | cttttcgggtc | gagtactccc  | 3724020 |
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| atcttatgta  | ccagacgaag | gattgttgga | ggtacatgaa | taccatcggc | gactacctct | 3724320 |
| actgtcatgt  | cgtccatcag | ataaatgctc | tctaccgtac | cttcatattt | atattcccgg | 3724380 |
| cgtttggtga  | agccaggcat | tgcgtttag  | aagtgggttg | catgagtata | tcctacttgg | 3724440 |
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| ttggatgtga  | tgtatttacc | gaattgcatt | gctcccggaa | gttctggtgc | tgcatcccat | 3724560 |
| cgtttgatgc  | agtgagtttc | ttccagcaga | ggtatatatt | cttcagggtc | agggttctta | 3724620 |
| atgttttcag  | gcatttgtcc | accggccatt | ttcatgttga | aataatgtcc | ttccagggtg | 3724680 |
| agtccgagta  | ctggactgtc | aggttcactc | attaattttt | cggtgggttc | tgctgctgct | 3724740 |
| cgaatcattg  | gaatagtaga | agaggaaagt | gtcgggaaga | tacttgtggt | accatgctgc | 3724800 |
| atgtgagctt  | tgattgcggt | ccgaaaagca | tcctcgcata | cttccatgaa | atctcgtcct | 3724860 |
| cctccgccat  | gtacatggat | ttcaactcca | ccaggtaaaa | tgtacattcc | ttttgcatcg | 3724920 |
| atgagtgttg  | caccgacgat | tgccagggtc | cagttgggtt | cttcaggtat | tttggtgtcc | 3724980 |
| ctgatcagga  | cggaaccgtc | ttttaaccac | ccttgaggag | ttaaaatacg | tgcattaatt | 3725040 |
| atttgagtta  | acataggaat | aaggttttgt | ttctattata | tcttttgcaa | aattaattaa | 3725100 |
| ttgtacgata  | gatattatat | ttattttata | ttatagggtt | aattatttta | aaagtaagcc | 3725160 |
| tatttgttcg  | tttcatgaaa | gatattgaat | acccatcggt | cgtctattga | aaaatatcgg | 3725220 |
| aaacgttaag  | ttatcatttt | tattgaataa | aaaaatggaa | agactagata | aaatgaatta | 3725280 |
| ttatttgtat  | ctttgtcgcc | cgatttatat | agtattgcga | attgggaaag | cttagtacat | 3725340 |
| acaaggtaga  | attgaaaaat | atgtcagagg | atgtgtgtcg | ttacgaatat | gtcctcgaca | 3725400 |
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| tgaaagtaaa  | aatgggagct | gcattttccg | atgaagatga | tatcgtagtg | gttcctgagg | 3725640 |
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| ttagctatcg  | aaaaagaagc | tgctctttaa | taaacgcttt | gtagaacacg | tttgtgtgat | 3726120 |
| tcactgaaa   | aataaagccg | gagagctttc | ggctcttccg | gctgtttttt | tataggaata | 3726180 |
| tgcaaaactaa | aaactgaaat | gatggaaaaa | ataaatgctg | taattacagg | agtcggtggc | 3726240 |
| tatgtacctg  | actatgtttt | gaccaacgaa | gaattgtcaa | gaatggtcga | taccaacgat | 3726300 |
| gagtggatta  | tgaccctgat | cggagtaaaa | gaaagacgta | tcctgaatga | agaaggattg | 3726360 |
| ggtacttctt  | atatggcacg | taaggctgca | aagcagctga | tgcaaaaaac | taattcagac | 3726420 |
| ccggattcga  | ttgattgcgt | aatagttgca | acaactactc | ctgactatca | tttcccttct | 3726480 |
| acagcttcaa  | ttttgtgtga | taaattgggc | ttgaagaatg | cttatgcctt | tgatttgcag | 3726540 |
| gctgcatgca  | gtggcttcc  | ttatgcaatg | gaaactgcgg | ctagcatgat | tcagtctggc | 3726600 |
| agacataaaa  | aagtgatcat | cgtgggtgct | gataagatgt | catcgatggt | gaattattca | 3726660 |
| gatcgtgcaa  | cttgccttat | tttcggtgat | ggtgcagctg | cttgcattgt | agaagctact | 3726720 |
| actgaagatt  | atggtatcat | ggactctatt | ttgagaacag | atggtaaagg | actgcctttc | 3726780 |
| ttgcacatga  | aagctggtgg | atcagtatgt | cctccttctt | attttacggg | agacaataaa | 3726840 |
| atgcattatt  | tgtatcagga | aggaagaacg | gtattttaa  | atgctgtttc | taatatgtcg | 3726900 |
| gatgttacag  | ctctgattgc | ggaaagaaat | ggtttgaata | aggataatat | cgactggatt | 3726960 |
| gttctctatc  | aagctaacct | gcgtatcatt | gatgccgttg | cttctcgtct | ggaagtacct | 3727020 |

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| ttcggcgccg | gatttacctg  | gggagctacg  | tatgtgaagt  | ggggttatga  | tggtacaaca  | 3727200 |
| taagaaatag | aattcaatat  | gaacacatac  | aaaagaacgc  | atcccaatcc  | gatgcgtttt  | 3727260 |
| tttgtatgtt | actaaaaact  | gattatgcac  | aaagccggat  | ttgtaaatat  | tgtaggtaat  | 3727320 |
| ccgaatgtcg | gaaagtctac  | cttgatgaac  | ttgctggtag  | gggagcgtat  | ctctattgcc  | 3727380 |
| acgtttaagg | cacagacaac  | tcgtcaccgt  | atcatgggta  | tcttgaatac  | ggatgacatg  | 3727440 |
| cagattgtct | tctctgatac  | tccgggagtc  | ttgaagccta  | attataaaact | tcaggagtct  | 3727500 |
| atgttgaact | tctctgaatc  | ggcattggta  | gacgcggatg  | tcttgcttta  | tgtgacggat  | 3727560 |
| actatcgaga | agccggataa  | gaatgccgac  | tttatggaga  | aagtgcgtcg  | cgtaaagggt  | 3727620 |
| ccggttttgc | tgttgatcaa  | caaaatagat  | ttgaccaatc  | aggaggattt  | ggtaaagctg  | 3727680 |
| gtcgaagaat | ggcatgaaat  | gttgccctgat | gctgaaatta  | tacctgtatc  | ggcaaaggcg  | 3727740 |
| aagtttaatg | tggtatgtgt  | gatgaaacgt  | atcaaggaac  | tgattcctga  | ttctcctcct  | 3727800 |
| tatttcggca | aagaccaact  | gactgataag  | cctgcccggt  | tctttgtgac  | tgaaattatc  | 3727860 |
| cgtgaaaaga | ttcttttata  | ctatgataag  | gaaatacctt  | atgcggtgga  | agttgtagta  | 3727920 |
| gagcagttca | aggaagaggc  | gaagagcatt  | catatcaatg  | ctgtgattta  | tgtagaacgt  | 3727980 |
| gaatcgcaaa | aaggcattat  | tatcggtcac  | cagggaaagg  | ctttgaaaaa  | agttgctacc  | 3728040 |
| gaagcacgca | aaacattgga  | gcacttcttc  | cagaaatcaa  | tttacttgga  | aacatttgta  | 3728100 |
| aaggtagata | aagactggag  | aagctcggat  | aaagaactaa  | agaattttgg  | ctatcaatta  | 3728160 |
| gattaacgta | tcggctgtga  | cagccgtaaa  | tcaataagac  | aaatatggga  | aatttagtag  | 3728220 |
| caatcgtagg | acgtcccaat  | gtgggaaagt  | cgacactggt  | taatcgtctg  | acccaaacgc  | 3728280 |
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| aatggctggg | aaaagaatth  | tcggtagtgg  | ataccggagg  | ctgggtagtt  | aattcggatg  | 3728400 |
| atatthttga | aggcgagatc  | cgtaagcagg  | ttgttctggc  | tatggatgaa  | gcggatgtta  | 3728460 |
| ttttgtttgt | ggttgatgtt  | accaacgggg  | tgaccgacct  | ggatatggag  | gtagcttcta  | 3728520 |
| tcttacgtcg | ttccaaaact  | ccggttatta  | tggtcgcaaa  | taagacggat  | aataatgatt  | 3728580 |
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| actccgatga | gatactggat  | gaagagatcc  | ctcgttttgc  | tgtggtagga  | cgtcctaatt  | 3728760 |
| ccggaaggct | ttctatcatc  | aatgctttca  | tcggcgaggga | acgtaatatc  | gtgacagaaa  | 3728820 |
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| atctggtaga | tacggcaggt  | atccgtaaaa  | agaataaggt  | cagtgaagat  | ttggaatatt  | 3728940 |
| attcggttgt | ccgttctatt  | cgttccattg  | agaattcgga  | tgtatgtatt  | ctgatgctgg  | 3729000 |
| atgcaacaag | aggtatagaa  | ggacaagatt  | tgaatatctt  | ttcgctgata  | cagcgggaacc | 3729060 |
| agaaaggact | ggttggttgt  | gtaaataaat  | gggatttggg  | ggaagaaaag  | actacgaagg  | 3729120 |
| taatgaaaaa | ttatgaagaa  | gccattcgtg  | atcgtttcgc  | tccgtttact  | gattttcccg  | 3729180 |
| ttatctttgc | ttccgcattg  | accaaacagc  | gaatttttaa  | ggttctggaa  | gctgcaaagg  | 3729240 |
| aagtttatca | tgcacgtact  | actagaatac  | cgactgctcg  | cctgaacgaa  | gagttgcttc  | 3729300 |
| ctctgataga | ggcttatccg  | ccaccttcga  | acaaggggaa  | atatatcaaa  | atcaaatata  | 3729360 |
| ttaccaatth | gccgaataca  | caggttcctt  | cgttcgtggt  | ctttgcaaac  | ttacctcagt  | 3729420 |
| atgtgaaaga | accatacaag  | cgttttcttg  | aaaatcagat  | acgtgaacgt  | tggaactttt  | 3729480 |
| cgggtactcc | tataaatatt  | ttcattcgtc  | agaaataatt  | gggcatttct  | gggcgtttgt  | 3729540 |
| ggaaaatctt | ctttccagtt  | gtttaaaact  | gggaggaaga  | tttttttata  | agtagatagt  | 3729600 |
| gcattcgtac | ctaatttatct | tatgcataat  | tgtaggttgt  | ctaaaaaata  | tatatcttta  | 3729660 |
| cttatcatta | ctacattttt  | ggaaaggcga  | gagaactaca  | attaaatcta  | atattttatg  | 3729720 |
| aaaatctatg | ttttaataat  | tgcttgtagt  | ctatgttcga  | cgactgcatt  | tgcccaatat  | 3729780 |
| tgtagtcttc | agaaaggaca  | gaaactttat  | tatgaagttc  | ttacaggtga  | aaagaaaatc  | 3729840 |
| gaaacctata | cttcagtagt  | gggtgtggaa  | actaagaatg  | attctacttt  | tattactttg  | 3729900 |

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| atgttttagct | tgatggcagc | agccttgaat | aaaaacgata  | tgactgcggc | aaaggagaag | 3730080 |
| tttgaggtaa  | acgggcagat | ttgtttgctt | ttaaataaaa  | agcagaaaaa | aggagataaa | 3730140 |
| attaaggcta  | atgaaatgag | tatccggata | aagccagtaa  | cgatgactgt | ttcgataaaa | 3730200 |
| ggtgaatatg  | agggtagaca | aactatttct | acaccggcag  | gtcagtttga | ttgcgtaaaa | 3730260 |
| gtgacttatt  | ccatgaagat | gaagtttttc | atgttttccg  | atgaaagtca | gattaccgaa | 3730320 |
| tgttacgcca  | aaggtgtagg | gctggtgaaa | catgaagaaa  | agagtcggaa | acttgggcag | 3730380 |
| aagatggtaa  | aaacactaac | gaaaatagcg | gagtagcctt  | tgttctgaag | tgacttaacg | 3730440 |
| aaaaaacgga  | tactctttcc | atttaaccat | gaaagagtat  | ccgttttttc | gtttaagaat | 3730500 |
| agagaggcga  | ttatcgtatt | tctttttctc | cttccgtctt  | tactttttta | agcaagtcgg | 3730560 |
| atgcgaagat  | aaagtcgttc | aaacgttggt | tggttgact   | gaatacttca | ttctttgttc | 3730620 |
| cttcccattc  | tttatgtccc | tgataaatat | ataatatgct  | gtcacctatc | cccaataccg | 3730680 |
| aattcatatc  | gtgggtattg | attacggtgg | tcatgttgta  | ttcggttgtg | atgtcgtgaa | 3730740 |
| tcaattcatc  | gatgaccagt | gaagtcttgg | ggtccagtc   | ggaattaggt | tcatcgcaga | 3730800 |
| ataggatttg  | aggctggagg | gcaatggcac | gtgcgatggc  | cacacgtttc | tgcataccgc | 3730860 |
| cacttatttc  | tcccggatat | ttgttttttg | catctatcag  | gttgacacga | tccagacaga | 3730920 |
| attcagccc   | tttgacacgt | tcacgataag | tcatgttgga  | gaacatgtca | agtgggaaca | 3730980 |
| tgacattttc  | cagtaccgac | aaagaatcga | ataaggctgc  | actttggaat | atcataccca | 3731040 |
| tttcccggcg  | taaggctttt | ttctctttct | tcccctggt   | gatcaggtta | cgcccgtcgt | 3731100 |
| ataacacttc  | tcctttttcg | gggtaagca  | accccaccag  | acatttcatg | agaactgttt | 3731160 |
| taccggaacc  | actttgccc  | ataatcaggt | tggctttgcc  | gttttcgaag | ataaaattga | 3731220 |
| tatcgttcaa  | tacagtgcgg | tcttcgaatg | atttataaag  | tgatttgatc | tgtatcattg | 3731280 |
| ttagctgagt  | atttgagtga | gtattaagtc | ggaaaacaaa  | atcagcacac | tactgcatac | 3731340 |
| tacagagtct  | gtactcgctt | tgccgactgc | aatggaacct  | ccttctacgg | tatatccgaa | 3731400 |
| ataagcagat  | acactggcta | tgataaatgc | gaacaccagt  | gacttgataa | aactgcacca | 3731460 |
| cacataccat  | tcgacgaaac | tgtactgaaa | accatattcc  | aaatcggttg | cattggtgat | 3731520 |
| accagcaaac  | catgccgtac | aaaaggcacc | tatgattccc  | gcaaaaatac | tgaatatcac | 3731580 |
| caacagtgga  | atcatggtca | tcagtcccaa | tatttttaggg | agaatcaggt | atgaggctga | 3731640 |
| gtttacaccc  | attatttcaa | gtgcatcaat | ctgttgagtc  | acacgcatcg | ttccaatttc | 3731700 |
| ggaagcaatg  | ttagagccta | ctttacctgc | cagaatcaaa  | cacatgatag | aagatgagaa | 3731760 |
| ctccagcagc  | aagatttcac | gtgtggtata | tcccactaca  | aaacggggca | tccacgggct | 3731820 |
| ttcaatattc  | agctttattt | gtatacagat | aacggcacct  | atgaagaatg | aaatcagcaa | 3731880 |
| cacaataccg  | atagaattga | ttcccaactg | tgccatttcg  | ttgcgatatt | gtttgagata | 3731940 |
| catccggaat  | cgctctggac | gagcaaatac | tcgtcccac   | agcatgaggt | atttgcctaa | 3732000 |
| agtcgtaatt  | ggtcttacc  | tattaaattg | agtctaattt  | tatgcaaaa  | tactgttttt | 3732060 |
| tagctatatt  | ataataaaa  | catagacgaa | aatgggtgga  | attaccacag | aaccaagat  | 3732120 |
| ttttactact  | tttgctgctg | ctatgaaggt | cttgattctt  | catgcttaat | tctttattaa | 3732180 |
| acagctttat  | ggcagaacag | gaaaatcaac | aacataatgc  | agaagaagcg | tttgaacttc | 3732240 |
| cagcggacgg  | acgcatgggt | cttcgtacgg | agaatctgg   | aaagaaatat | ggtaagcgta | 3732300 |
| cggttgtaag  | tcatgtttcc | attaatgtga | aacagggaga  | gattgtcgga | ctgctgggtc | 3732360 |
| cgaacggagc  | tggaaagaca | acgtcctttt | atatgacgac  | gggattgatc | gttcccaatg | 3732420 |
| aggggcatat  | ttacctgaac | aatcaggata | ttactgacta  | tccggtatac | aaacgtgcac | 3732480 |
| agaatggtat  | cggataactg | gcacaggagg | cttcgggtatt | ccgtaagatg | agtgtggaag | 3732540 |
| ataatatgtc  | ttccgtcttg | gagctgacca | aaacctcgaa  | ggagtatcag | aaggaaaaac | 3732600 |
| tggagagtct  | gattgcagag | ttccgtttgc | agaaggtgcg  | taagaattta | ggcgaccagt | 3732660 |
| tgtcgggtgg  | tgaacgccgt | cgtacggaga | ttgcgcgctg  | tctggccata | gacccgaaat | 3732720 |
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| agggtactcc  | tgaagaactt  | gccgaaaaca  | agattgtacg  | tgaaaaatat  | ttgagtaaca   | 3732960 |
| gcttcgtact  | ccgcagaaa   | gattttcagg  | taaaggatgt  | acgggaataa  | gttgccagtg   | 3733020 |
| tttgtgtaaa  | gacttaaata  | gtgaaacact  | ctttgtgttt  | tttgtaattt  | ttacttcgac   | 3733080 |
| atftttggttt | ttgcaatatt  | aaacactatt  | tttgcacact  | ctttgaatat  | atfttggaata  | 3733140 |
| tagtaataat  | taaataaata  | agtcggaaat  | gaatattttca | ttgcaaaacg  | tagacaaggt   | 3733200 |
| aagcgctgtg  | cttactgttc  | agattgaaaa  | ggctgactat  | caggaaaaag  | ttgaaaaatc   | 3733260 |
| gttgaaaaact | ctccgtcaga  | gagtaaatat  | gcccggattc  | cgtaaaggta  | tggttcctat   | 3733320 |
| ggctttgatc  | aagaagcagt  | acggtacttc  | tgtattagta  | gaagaagttg  | acaagctgat   | 3733380 |
| gcaggaaaaa  | gttggcgaat  | acattcgtga  | aaataatgta  | aacatgctgg  | gtactccgct   | 3733440 |
| gccgaaaagaa | aacaacgtaa  | atfttcgaaac | tgatgaaaac  | tttgagttct  | ctfttcgatat  | 3733500 |
| cgctttgggt  | cctgaattca  | ctgtagaatt  | gtctaacaat  | gatactattg  | attactatga   | 3733560 |
| tatcaatgta  | acagacgaaa  | tggttgacca  | gcaggttaa   | atgtatactc  | agcgtactgc   | 3733620 |
| aaaatacgat  | aaagttgagg  | aatatcagga  | caatgacatg  | ctgaaaggtc  | tgttggtctga  | 3733680 |
| actggatgaa  | aacggtaata  | caaaagaagg  | tggctttcag  | gtagaagggtg | ctgtcatgat   | 3733740 |
| gcctacttac  | atgaagaacg  | acgaccagaa  | agctatcttc  | aatggtgcaa  | agacaaatac   | 3733800 |
| tgtattgggt  | ttcaaccctg  | caacagcatt  | cgacaacaac  | gaagctgagc  | tggcttcatt   | 3733860 |
| gctgaaaatc  | aagaaagaag  | aagttgcaaa  | ttacaaagggt | aacttcagct  | tccagatcga   | 3733920 |
| agaaatcact  | cgtatgattc  | cgggtgactt  | gaatcaggaa  | ctgttcgacc  | aggttctggg   | 3733980 |
| tgaaggtaag  | gctcacagcg  | aagaagaatt  | ccgcgcacag  | attaaagaaa  | caatcgctaa   | 3734040 |
| acagtttgaa  | gctgacagcg  | actacaagtt  | cttgatcgat  | gttcgtaact  | atgttggttaa  | 3734100 |
| caagatcgggt | aaactggaat  | tcgcagacga  | actgatgaaa  | cgtatcatgt  | tggaaaacaa   | 3734160 |
| caaggaaaaa  | ggtgaagagt  | tcgttgacga  | acattatgaa  | aagagcattg  | aagaactgac   | 3734220 |
| atggcacctg  | atcaaggaaa  | aactggttgc  | agcaaacaat  | attaaagttg  | aacaggctga   | 3734280 |
| cattaccaac  | atggcaaaag  | aagcaacacg  | tgctcagttt  | gctcagtatg  | gtatgattaa   | 3734340 |
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| tacattgaac  | cacaaagcag  | tttcagcaga  | agaattcaat  | aaaatgtttc  | agtaattttcc  | 3734520 |
| ccgcggtaag  | ctgaggcgaa  | ttgctaaaac  | ttgctaaaag  | aggggctttt  | ggtctggctt   | 3734580 |
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| aggcaggata  | tcttaatcct  | tatatcttgg  | aagagcgtca  | gttgaaatgtt | acacaactgg   | 3734820 |
| acgtgttctc  | tcgtctgatg  | atggatcgta  | tcatttttct  | cggaaactcag | atagatgatt   | 3734880 |
| atacagccaa  | tacactgcaa  | gctcagttgt  | tgtatctgga  | ttctgtagac  | tctggaaaag   | 3734940 |
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| tggctgctgt  | attgctgggt  | gccgggtacg  | aaggaaagcg  | ttcgggtctg  | actcatttcgc  | 3735120 |
| gtgtcatgat  | tcatcagccg  | atgggaggag  | cacagggtca  | ggcttctgat  | attgagatta   | 3735180 |
| cagctcgtga  | aattcagaag  | ttgaaaaaag  | aactgtatac  | gattatagcc  | gaccatttctc  | 3735240 |
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| aagctaagga  | atatgggtatg | attgatgaag  | tgttttctcg  | taagccgact  | gtgtaactat   | 3735360 |
| ttaatttaat  | aaaaagctat  | ttacttttga  | agataaatca  | actaagaaga  | gcaaaaagacg  | 3735420 |
| ctgtagcttt  | tgtggacgtt  | cggaagatga  | ggtcggtttc  | ctgataacag  | gtgtcaacgg   | 3735480 |
| ttgtatctgt  | gacagctgtt  | cggagcaggc  | acatgaaatc  | gttcaggagg  | ctatgcgtca   | 3735540 |
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| cttctctgat  | cagtatgtga  | ttgggcaaga  | cgatgcgaag  | cgttatcttt  | ctgtggctgt   | 3735660 |

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| tgccaagtta  | ttacatgttc  | cctttaccat  | tgttgatgct  | acagtactga   | cggaggctgg  | 3735840 |
| ttatgtaggc  | gaagatatcg  | aaagtattct  | gactcgtctg  | ctgcaagtcg   | ctgattataa  | 3735900 |
| tgtagccgag  | gctgaacgtg  | gcattgtctt  | tattgatgag  | attgataaga   | tcgcccgtaa  | 3735960 |
| gggagacaat  | ccttctatca  | cgcgtgatgt  | gagcggggag  | ggtgttcaac   | agggactggt  | 3736020 |
| gaaattgttg  | gaaggctcta  | ttgttaatgt  | ccctcctcaa  | ggaggtcgta   | agcatccaga  | 3736080 |
| gcagaaactg  | attcctgtca  | ataccaagaa  | tattttgttt  | atttgccgag   | gagcgttcga  | 3736140 |
| cggtagcgag  | cgcaagattg  | cccagcgtct  | gaatacaaac  | gtagtagggt   | acgggtgctgc | 3736200 |
| caaggaaaag  | gttaaaatcg  | accgtgcaaa  | tttgatgcaa  | tatattgctc   | ctcaagattt  | 3736260 |
| gaaatctttt  | ggacttatac  | cggaaatcat  | cgggcgtctg  | cctatatattga | cttattttgaa | 3736320 |
| cccgttggat  | cgtactgcat  | tacgcaatat  | tctgaccgag  | cctaagaatt   | caatcatcaa  | 3736380 |
| acaatatatc  | aagtattttg  | agatggatgg  | ggtgaagttg  | gagtttcagc   | cagaggtatt  | 3736440 |
| cgattatata  | gtcgacaagg  | ctatcgataa  | caagttgggt  | gctcgtgggc   | taagatcgat  | 3736500 |
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| tgttattacg  | cttgattatg  | cgaaagagca  | gatgaataaa  | gccaatttgt   | cccgtttaca  | 3736620 |
| aatggcctga  | aaaactaaaa  | aagtgatgag  | gaaataaagt  | tcttcggtaa   | aataattgct  | 3736680 |
| cgattatttg  | cataatatca  | aaagttgttt  | ataactttgt  | tacatacgca   | taaagcgaga  | 3736740 |
| cttatatctt  | gaagaattaa  | aatcactaaa  | ataaaaggac  | aatggcgga    | aagattaatt  | 3736800 |
| tggcggaaca  | gttgaaaaag  | tattttgggt  | tcgacacttt  | taagggaac    | caagaagcta  | 3736860 |
| taattagtaa  | cttactggcc  | gggaaggata  | cttttgtttt  | gatgcctacc   | ggtggaggta  | 3736920 |
| aatcgttgtg  | ttatcagttg  | ccttcattgc  | taatggaagg  | aacggctatc   | gttatatctc  | 3736980 |
| cactcattgc  | cctaatagaa  | aatcaggtgg  | acgccatgcg  | aaacttcagt   | gaagaagacg  | 3737040 |
| gagtggcaca  | tttcatcaac  | tcatcactta  | caaagtcagc  | gatagaacag   | gttaaatctg  | 3737100 |
| atatcctggc  | cgggaagaca  | aagctgctgt  | atgtagctcc  | cgaatcgctg   | acaaaagaag  | 3737160 |
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| gtatttcaga  | gtggggacat  | gactttcgtc  | cggaaatccg  | tcgtatccgt   | cctatcatca  | 3737280 |
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| tggatatcca  | gaagaacttg  | gggatggtag  | gggctacgga  | gtttaagtcg   | tcattcaatc  | 3737400 |
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| tggaagagtt  | ggctgaaatc  | cctcaagcaa  | acggcattaa  | ggcgcgtcct   | tatcatgctg  | 3737580 |
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| ttcattatga  | cataccgaag  | agtctggaag  | ggtattatca  | ggaaacagga   | cgtgccggac  | 3737760 |
| gtgatggagg  | agaaggtttg  | tgcataactt  | tctattcgaa  | taaggatttg   | cagaagctgg  | 3737820 |
| agaagttcat  | gcaaggtaaa  | cctgtttcgg  | aacaggaaat  | cggaaagcaa   | ttgttgctgg  | 3737880 |
| aaacagcagc  | atatgctgag  | tcgtctttat  | gtcgtagaaa  | gattctgtta   | cattattttcg | 3737940 |
| gagaagaata  | tacagaagat  | aattgtggta  | attgtgataa  | ctgtttaaat   | ccgaaaaaac  | 3738000 |
| aagtggaggc  | tcaggattcg  | ttatgtgcag  | tgattgaaac  | aatcattgcg   | gtaaaagaaa  | 3738060 |
| attttaaaca  | agattatata  | gttgatatcc  | ttttaggaaa  | agaaacatcg   | gaagtcttgg  | 3738120 |
| cgcacaagca  | cgaagatttg  | gaagtctttg  | gctcaggaat  | gggagaagat   | gaacgtttgt  | 3738180 |
| ggaatgctgt  | tattcgtcag  | gccttgatag  | ccggctacct  | aagtaaggac   | gtagaaaatt  | 3738240 |
| acggtttgct  | taaggttact  | cctgaaggac  | ataaattctt  | gaagaaaccg   | aaatcattca  | 3738300 |
| agattgttga  | agatgtagat  | tttgatgagg  | aagaagtaga  | agaagttccg   | atgcgaagtg  | 3738360 |
| gggcatcgtg  | tgcggtagat  | ccggtacttt  | tctccatgtt  | gaaagatttg   | cgcaagaaga  | 3738420 |
| tgtcgaagaa  | actggatgtt  | cctccttacg  | tcattcttcca | ggatccttca   | ctggaggcca  | 3738480 |
| tggcaactat  | ttatccggta  | acactggaag  | agttgcaaaa  | tattccgggt   | gtaggggctg  | 3738540 |

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| gtaaagctaa  | acgctatggt  | caagagttct | gcgaactgat  | caagaagcat  | tgtgatgaaa  | 3738600 |
| atgagatcga  | ccgcccggaa  | gatttgcgcg | tgcgtagcgt  | tgccaacaag  | tcgaagctga  | 3738660 |
| aagtttcgat  | cattcagagt  | attgaccgta | aggtggcttt  | agacgatatt  | gccgtagcaa  | 3738720 |
| agggtatcga  | tttcaatgaa  | ttgctcgatg | aaatagaagc  | aattgtatat  | tcgggtacca  | 3738780 |
| agctgaatat  | cgactatttc  | ctgaatgatg | tgatggatga  | agatcacatg  | ctcgacatct  | 3738840 |
| atgattactt  | taaggaatct  | acgaccgaca | agattgacga  | tgcgatggat  | gaattgggtg  | 3738900 |
| cagattacac  | cgaagaagaa  | attcgttttg | ttcgtatcaa  | gtttattttca | gaaatggcta  | 3738960 |
| actgataagg  | tcggtacatt  | aataagtttt | gtggcagcag  | gcaaaccggca | taaaccgaaa  | 3739020 |
| acctgctgcc  | acaatttttt  | tataacttcc | tttttatttg  | tttcttttta  | gaaaacgttc  | 3739080 |
| agtcagtcgg  | cgacggagag  | gttcatcata | cagcttcaga  | gaagcataag  | ccagaacgat  | 3739140 |
| ggctcctgcc  | agaaccaata  | tcatataagg | aatgccttcg  | gatatcgttg  | cattgttatt  | 3739200 |
| gcatacccag  | gcggtgtaaa  | tatatatcag | cggatagtga  | gtaatgtaaa  | tggtatcaga  | 3739260 |
| aatatctccc  | agaaacttgc  | agatacggct | ggaatacttg  | cctgtaacct  | tacctccggc  | 3739320 |
| tcccatggaa  | acaataacag  | gaaaaataaa | aatgatgcag  | aacgattcgt  | aaagcccgtt  | 3739380 |
| cagccagtaa  | tgttcctcac  | ctcccaggcg | gggaacagat  | aatatgacga  | caataatcag  | 3739440 |
| ggtgcaatac  | cagaaggctc  | ttttcttgag | tcgtatcagc  | cagccaagac  | gtgagagcag  | 3739500 |
| taatcccccg  | aaaaagggaa  | acaagagtcg | tacgaagcct  | acatactgct  | gttcccagtt  | 3739560 |
| cagggcccat  | ccacctacca  | tgtcgcccat | cgggtgcagtc | tgactgcggt  | agatcgtaag  | 3739620 |
| acaagctgct  | gcggcaacca  | gaacagccaa | ggctttttta  | ctgaaccggc  | gtatgacaag  | 3739680 |
| tgcatagagg  | atattggcaa  | tgtattcata | gtacagcgac  | catgccggac  | cgttcagcgg  | 3739740 |
| atgcatttcc  | gtccatcccc  | gcacatccca | tttcagcgga  | agcggtagca  | gcgtgcatcc  | 3739800 |
| cagcagcatg  | atgagcaaca  | aggttcctac | ggagggtgtg  | tctattttgtg | gaaagcaaga  | 3739860 |
| cgattttctg  | aaatagaaaa  | gggcggctcc | tacgatactt  | cccataatga  | ccatcgggtg  | 3739920 |
| caggcgaatg  | atgcgtcgtt  | tgaagaaggt | tcccaatgtc  | atcttgttcc  | agcggtcgtc  | 3739980 |
| gtaagcatag  | cctattacga  | atcccgaag  | catgaaaaag  | aaatcgacgg  | caagatagcc  | 3740040 |
| gtggttgatg  | atgtgaatga  | gatggtttcc | ctgagaatgt  | gtttcgaaca  | ggtgaaagat  | 3740100 |
| aataaccatt  | agtgtgcaa   | ctccgcgaag | tccgtcaaga  | atcttcgtagt | gcggtttcga  | 3740160 |
| agccagataa  | gtgctttgtg  | tgttcatagt | tgttttttct  | tgcgttataa  | aagatcttta  | 3740220 |
| ttcaacagcg  | cacaaagata  | actaacatct | tattaattat  | gcaaaaaaga  | agtggctaaa  | 3740280 |
| atcattctta  | tttcttttac  | tatctaacgg | ctgaaaaaag  | ataaaaagatc | agaggaggca  | 3740340 |
| gattgtagaa  | agtcgtgggtg | tgcagggcaa | cttttctcga  | tgttttttta  | ttttttgtac  | 3740400 |
| aaattccaaa  | cattttttgta | caaattatct | tgactgcctc  | cgcatgtttt  | tttgaaagct  | 3740460 |
| gggaaacaat  | tagcaaataa  | aaaaagatgt | taagcatact  | tcttgattgg  | aataaaaattt | 3740520 |
| gtatatttgc  | acgcaataaa  | atctaaagca | taaagcccta  | tgtcatttat  | tgcaagataaa | 3740580 |
| gttgtaaatg  | acggattgac  | ttacgatgat | gtattgttaa  | tcccggccta  | ttctgaggta  | 3740640 |
| ttacccaaaa  | ttgtcgaact  | cacgacaaag | ttctcacgta  | acattgaatt  | aaagattccg  | 3740700 |
| tttgtaactg  | ctgctatgga  | tacagttacc | gaagcacaga  | tggtatttgc  | cattgtctcg  | 3740760 |
| gaaggaggta  | tcggtgttat  | ccataagaac | atgtctatcg  | aggaacaagc  | ccgtcagggt  | 3740820 |
| gctattgtaa  | aacgtgccga  | aaacggtatg | atztatgatc  | cagtaactat  | caagagaggc  | 3740880 |
| tctaccgtaa  | aggatgctct  | tgatttgatg | gctgaatata  | agattgggtg  | tattccggtg  | 3740940 |
| gtagatgatg  | aaaaatattt  | ggtaggtatt | gttacaaacc  | gtgaccttcg  | ttttgaaaaa  | 3741000 |
| gatatgacaa  | aacgtatcga  | tgaagtgatg | acgaaggaaa  | atattgtcac  | tacagaaccg  | 3741060 |
| ggaacagata  | tggaaactgc  | ttccagaatt | ctgcaagaga  | ataaaattga  | aaaattgccg  | 3741120 |
| gttggtgata  | aagatggcaa  | actgattggg | ctgattactt  | ataaagacat  | tacaaaggca  | 3741180 |
| aaagacaaac  | cgatggcttg  | taaggacgcc | aaaggacgtt  | tacgtgttgc  | agccggagta  | 3741240 |
| ggcgttacaa  | acgatacggt  | gcagcgtatg | gaagccttgg  | taaatgctgg  | tgctgacgct  | 3741300 |
| atcgttattg  | atacggcaca  | tggacattct | ttgtcggtta  | tcgaaaagct  | gaaagaagcg  | 3741360 |
| aagaaaagctt | tcccgaatat  | tgatattgta | gtcggaaata  | ttgctacagg  | cgaagctgcc  | 3741420 |

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|-------------|-------------|-------------|------------|-------------|-------------|---------|
| agaacattgg  | ttgaggctgg  | agctgatgca  | gtaaaagtcg | gtatcggtcc  | gggttctatt  | 3741480 |
| tgtaccacac  | gtgtggtagc  | cggagttggg  | gttccacagt | tgacagccgt  | atacgatgtt  | 3741540 |
| gcaaaggcac  | tggaaggtag  | aggtgttcct  | ttgattgctg | atggtggctt  | gcgttattca  | 3741600 |
| ggtgatgttg  | tgaagcatt   | ggctgccgga  | ggttacagcg | tgatgattgg  | ttcactgggt  | 3741660 |
| gccggaacgg  | aagaatcacc  | gggtgatact  | atcatcttca | acggccgtaa  | gtttaagtca  | 3741720 |
| tatcgtggta  | tgggttcatt  | ggaagccatg  | gaaaacgggt | cgaaagaccg  | ttacttccag  | 3741780 |
| tcgggtacaa  | ccgatgtgaa  | gaaactgggt  | ccggaaggta | tttctggtcg  | tgttccttac  | 3741840 |
| aaaggtagat  | tgtatgaagt  | gatctaccag  | ttggttgggt | gtctgcgtgc  | cggtaggggt  | 3741900 |
| tattgtgggt  | cacacaatat  | tacagaactg  | cataatgcc  | agttcacccg  | tatcaccaat  | 3741960 |
| gccggtgtat  | tggaagacca  | tccgcacgat  | gtagctatta | ccagtgaggc  | tcctaactac  | 3742020 |
| agccgtccac  | agtaagaacg  | gatgattcct  | ctcacataag | gatattgttt  | tcaccacaga  | 3742080 |
| cttctgtttt  | cagtgtcggg  | atactttgtt  | taagttctgg | cgattggagt  | ctgtgggtgaa | 3742140 |
| tttttgttat  | catgtttcac  | tacttcttcc  | aactctcatc | gaaaatgata  | aggtttataa  | 3742200 |
| cactactctt  | tttttctct   | tgtttttctc  | tttccggcag | tttgcttgca  | gccgaaagcc  | 3742260 |
| ctgaagtgtt  | gttgcgtatt  | ggtggaaaag  | actttacgaa | gcaagagttt  | gaatattatt  | 3742320 |
| gtaagcatta  | cgtagcagga  | aattgccgta  | cagaatcagt | ccagaatgta  | tttgatgatt  | 3742380 |
| tcttgtttca  | aaagctaaaa  | tcggctgata  | tgaggaggac | gggttgtgat  | acattgccta  | 3742440 |
| cttttcgtca  | gtattgcaaa  | gtgatgcagg  | gagaactgtt | gaaaaatgtc  | atgctggata  | 3742500 |
| aggaacaaga  | agaacataatc | tgtcaggatt  | tataccgtca | gagtgtagaa  | cgactttcaa  | 3742560 |
| aaagcgggtg  | ggtaaaaaata | gaacagatta  | caatacgtct | tgcccaaac   | gcaacgaagc  | 3742620 |
| aggaagaata  | tgcagctcgt  | aaccgcatgg  | attctattta | tacggcactg  | aagcagggaa  | 3742680 |
| ctccgtttgc  | tgcattctct  | tctcagaaga  | aggaagatac | atgggtgccg  | gtcgtggaac  | 3742740 |
| tgctgcaaga  | gtttacagac  | cggataactt  | ctctatcgaa | aggagcggtt  | tcggagccgt  | 3742800 |
| ttttttctcc  | gctgggaatt  | catattgtga  | agctgactga | taccaagcct  | tgcacagct   | 3742860 |
| atgaggaggc  | acggccttat  | cttatggctt  | atctggaccg | tctggggggc  | gaacatccgg  | 3742920 |
| cgctgaaacg  | agatgtcttt  | gcccggttga  | ccgagggagt | gcttaatgat  | aatggagtac  | 3742980 |
| agatgcgtct  | ggaaacagaa  | gaagatgcgt  | tgctgcctc  | tttttgggat  | cagcagcatc  | 3743040 |
| gggaagcatc  | gcctcgtgag  | gccacaccgg  | aagaattgga | acgttatattc | aagcagaata  | 3743100 |
| agaatcagta  | tgcttgggaa  | cttcacatt   | tcaaaggggc | ggttgtccgg  | tgtgtcaata  | 3743160 |
| aaaagatggc  | atctcgcac   | aagaaatacc  | tgaagaaact | tcctgtcggg  | caatggaagg  | 3743220 |
| aaggcctgca  | taaactgatg  | gcggcagact  | ctaccgtaaa | tgcttccatc  | gaggtaggac  | 3743280 |
| tttttcagat  | tggtaaaaat  | gcctgtgtcg  | atagactggc | cttcaagtgc  | ggaaagctgc  | 3743340 |
| cagaaaatga  | taaactccct  | tatgcttttt  | tgatgggaaa | gaaactgaag  | aaaggtccag  | 3743400 |
| aggattatac  | cgatgtgtac  | gaagtgttaa  | gaaacgacta | tcgaaggag   | caggaaaaaa  | 3743460 |
| ggttgcttgc  | ttcgctaattg | caacattttg  | gcgtagaaat | taaacaagac  | gttttaaaaa  | 3743520 |
| ccgttaattg  | ttgcggaagt  | aattaattaa  | tactgtatct | tcgttccactg | attcagagta  | 3743580 |
| ataaggcgaa  | tgagcaagtt  | tagtatcttc  | attgcaggac | tgatagtttt  | gtcaggatgt  | 3743640 |
| ggcaagacgg  | tagaccataa  | gggaaaaact  | cccttggtgg | aggctcgacca | tgaattttctg | 3743700 |
| tataagggaag | atctgcaagc  | tgctatgccg  | atggggatgc | gggggcaaga  | tagcgtccga  | 3743760 |
| tttgctgagg  | aatatatccg  | caactgggta  | caagacgtgt | tggtgtataa  | aaaagcggaa  | 3743820 |
| ggaaatattc  | ccgataatgt  | aaagatcgat  | gaactgggtg | cttcgtatcg  | ccgtgcattg  | 3743880 |
| attatgcata  | cttatcagga  | agaactgggtc | aaccagaagc | tgggcagtga  | aatatcggat  | 3743940 |
| accgaaatcg  | aacaatatta  | cagtcagaat  | accggaatgt | ttcatgccaa  | ccaaccctat  | 3744000 |
| attcaggggt  | tgtttatgaa  | agtgccgggtg | ggcgctcgcc | atttgaataa  | tgtgcgtgca  | 3744060 |
| tggtataaaa  | aaaatacgca  | ggaagcgatt  | gataagctgg | aaaaattcag  | tattggaaat  | 3744120 |
| gcagtgaagt  | atgattatgt  | ttatgatcgc  | tggattcccg | tatctgctgt  | tgccgctaag  | 3744180 |
| cttccgttga  | aagccatcga  | tacggatgcc  | gattatctaa | atcgtaaccg  | taacgtagaa  | 3744240 |
| gtacgtgata  | cggcttattg  | ttatttcctt  | catgtagaaa | actttctgcc  | tgccggacaa  | 3744300 |



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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| cagttgccgt  | tggaatatgc  | caagagtga  | ataaaagaaa  | tattaatcaa  | tctgaagcgt  | 3744360 |
| gtggagttca  | taaatcgtat  | gaaggatgat | ttgtataaaa  | aagcttcaga  | ggataaggac  | 3744420 |
| attattttatt | attagaaccc  | gaacaatgaa | taagattaag  | ttcatcaagg  | cttatgcttg  | 3744480 |
| tatgctttttg | ctgcttgccg  | gagtgtcggc | ttatgcgcaa  | aataatgtga  | tagacgaagt  | 3744540 |
| agtctgggtc  | gtaggtgatg  | aggctatfff | aaagtcggac  | gtagagaatg  | aacgtctgaa  | 3744600 |
| cgcccagtat  | gaaaaccggc  | atttcgacgg | cgaccctgat  | tgtgtgattc  | cggaagaact  | 3744660 |
| tgtatacacg  | aaacttttct  | tgcatacagg | agaaatagat  | agtgtgatcg  | tttcggatca  | 3744720 |
| ggaggtaatt  | caggaagtgg  | aacagcgtat | tgcctggctt  | gccgatcaga  | tcggttcgaa  | 3744780 |
| agagaaaaatg | gaggaatatt  | ataacaaatc | gtataccag   | attcgcgaaa  | tgttgctgta  | 3744840 |
| aaacgtaaaag | agccagaaaa  | cagtgcagca | gatgcagcag  | aaaatcgtag  | gtgatatacaa | 3744900 |
| gctgaccct   | gccgaagtac  | gtaattatff | cagcaaattg  | ccgcaagata  | gtattccgtt  | 3744960 |
| tattccgact  | caggtagagg  | tgcagatcat | tactcaggag  | ccgaaagttt  | cggaacagga  | 3745020 |
| gatagaacgt  | gtaaaggctc  | agctgcgtga | gtatgccgac  | cgtgtgaaca  | aggggtgaaac | 3745080 |
| ttcatttctct | acattggctc  | gtttctatff | ggaggatccg  | ggtactgcac  | gacgtggtgg  | 3745140 |
| tgaaggtgga  | tttaccggaa  | gaggtgagct | ggttcctgaa  | tttgcgaaatg | tagtcttcaa  | 3745200 |
| cttgactgat  | acgaaaaaag  | tttcgaaagt | ttttgaaacg  | gagtttggtt  | atcacattgc  | 3745260 |
| tcagctgatt  | gaaaaaacgag | gtgaccgagt | aaactaccgc  | catattcttt  | tgcgtccgaa  | 3745320 |
| agtagaccag  | aaagacattg  | atgctgcatt | ggcacgcttg  | gattctatag  | cagacgatata | 3745380 |
| ccgaaagaat  | aaatttactt  | tcgacgatgc | tgctacctgg  | atttcgcagg  | ataaggatac  | 3745440 |
| acgtaataat  | cacggattgc  | tggccaacc  | tcaaaccagt  | acatctcgtt  | ttgaaatgca  | 3745500 |
| gcaattggcc  | ggtttgatata | cgcaagatgt | ggcaaaggct  | gtagagaaca  | tgcagattgg  | 3745560 |
| tgaaatctcg  | aaacctttta  | ccatgattaa | ctccaaagga  | aagcaagtct  | gcgcgattgt  | 3745620 |
| aaaactgaag  | aaccgaatcg  | acggacacaa | ggcgaccatt  | accgaagact  | atcagcgtct  | 3745680 |
| gaaggctatg  | gtaacagcca  | aacgaagcga | ggaaaaactt  | cagaagtgga  | ttgtcgaaaa  | 3745740 |
| gcagaagaat  | acatacgtac  | gtattaatcc | cgactggaga  | aactgtgatt  | tcaaataatcc | 3745800 |
| gggatggatt  | aagaactgat  | acttaaaacc | atatatgcag  | aaacagaaaa  | acaagaaaaa  | 3745860 |
| tatatgtggc  | gggcatagga  | tgctgttggc | aggcgtccta  | tgctgttctg  | gcttttggtt  | 3745920 |
| gctggcacag  | aaaccgatcc  | aaaaccggaa | acaaaagggt  | cagacggata  | cgacaaagggt | 3745980 |
| acagaaggct  | ccggcaactg  | caccccagaa | acagccggct  | aaaagtaagg  | tatatctgat  | 3746040 |
| tcattccgat  | ttgttgctga  | aggattcgcg | tcattccgat  | gctcagggtt  | tggtgggaaa  | 3746100 |
| tgtggttttc  | cgctcatgata | gtgtgtatat | gtactgcgac  | agtgcataat  | attacgataa  | 3746160 |
| gattagtctg  | ttcgaggctt  | tcagtaatgt | caagatgaat  | caaggagata  | cactcttctt  | 3746220 |
| gtatggtgac  | cgcttgtatt  | acgatggcaa | tacgcagata  | gccgaggtag  | gtatgaatgt  | 3746280 |
| acgtatggaa  | aaccgtaata  | ctacgttgct | gacagatagc  | ttgaactacg  | accgtgtata  | 3746340 |
| taatctgggt  | tatttcttctg | atggcggaa  | attgatggat  | gaacagaaatg | tcttgacctc  | 3746400 |
| ggaatgggga  | caatacaatc  | ccggtacca  | acagtcggta  | ttcaattata  | acgtgaagct  | 3746460 |
| ggtgaatccg  | cagtttacgt  | tgacttccga | tacgctggag  | tataatacgg  | caagcaagat  | 3746520 |
| agccaatatt  | gtcggctcctt | cggatatttt | gagcgataac  | aatcatatat  | attcggaaaa  | 3746580 |
| aggtagctac  | aacaccgtga  | ctggtaaggc | atacttgctg  | gaccgttctg  | ttctgactaa  | 3746640 |
| cgaaggaaaa  | cagttgacgg  | gagattcttt | attctatgac  | cgcaacgaag  | gactgggtga  | 3746700 |
| ggcattccgt  | aatatgggtg  | tgaccgatac | cgtcaataaa  | aatatgatga  | cgggagaata  | 3746760 |
| tggttactat  | aatgagaaga  | agaaatatgc | atttgccacc  | gataaggccg  | tcgctgttga  | 3746820 |
| ttactctcag  | ggtgatagtc  | tgcttcttga | cggagataca  | ttgctgatgg  | aaactttcca  | 3746880 |
| tctggataca  | gattcgatgt  | ttcgtgagat | gcgtgccttt  | cataagggtcc | gtttctatcg  | 3746940 |
| gacggatgtg  | caaggggtag  | ccgattcgtt | ggtcttttctg | acaaaggata  | gttgccctgac | 3747000 |
| catgtatcat  | gatccgatata | tgtggaacaa | aaatcagcag  | ctggtaggtg  | aaaagatttg  | 3747060 |
| tatgtatatg  | aacgacagta  | ctatcgactg | ggcacatata  | atcaatcagg  | cattatcgat  | 3747120 |
| agagcagata  | gatactacca  | tgtataatca | ggtgacggga  | aaggaaatga  | aagcctatff  | 3747180 |

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|             |            |            |            |             |             |         |
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| gatggactct  | gatagtacgc | tgataggaat | gaacgtgtcg | gaaaccagta  | agctggatat  | 3747300 |
| ttattttggaa | aaccagaaac | tggagaagat | ggtgatgagt | ccgaaatcga  | acggtacact  | 3747360 |
| ttacccgatg  | acgcagattc | cacccggcac | aagtaaattg | cagaatttcg  | tatggttcga  | 3747420 |
| ctatatacgt  | ccgctgaaca | agcaagatat | attcaactgg | cgaagcaaga  | aggttgaaga  | 3747480 |
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| agtatatatta | cgtggacgaa | cgaaaagaaa | agttggagaa | gatagaagag  | aacgcaaagc  | 3747660 |
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| ctggcttttcg | aacgtcatgc | cacgtcgaaa | atctgtcagg | cttccgattt  | gtttgcactt  | 3748140 |
| cacacaatgg  | gcttccgtgg | agaggcactt | gcttcgattg | ctgcggtggc  | tcaggtagac  | 3748200 |
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| ttcttcaata  | tacctgcacg | acgtaagttc | ctgaaatcga | atcagacgga  | gctgagtaat  | 3748380 |
| attctgactg  | aatttgagcg | tatcgctttg | gtcaaccctg | aggtttcggt  | cacgcttcat  | 3748440 |
| cacaatgata  | cggaaatgct | gaatcttccg | gctatccagt | tgctgcagcg  | tattatggga  | 3748500 |
| gtattcggaa  | agaaactgaa | ccaagatttg | ctgtcgcctg | atattgaaac  | cagtatggta  | 3748560 |
| aaaatacatg  | gttttatcgg | aaagcccga  | actgcacgta | aaaaaggggc  | acgtcagttc  | 3748620 |
| tttttttgcca | acgggctgta | catgcggcat | ccgtatttcc | ataaggctgt  | agtcgatgct  | 3748680 |
| tacgaaaacc  | tcattccggc | aggcgagcaa | gtgtcttact | tcattttattt | tgatgttgat  | 3748740 |
| ccggcaaata  | ttgatgtgaa | tatccatcct | acgaaaacag | agataaaatt  | tgagaacgag  | 3748800 |
| cagcctatct  | ggcagattct | gtcggcggca | gtaaaagaaa | cgtaggagcg  | cttcaatgcg  | 3748860 |
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| gtgtcgtcgg  | tacctccttc | acagtattct | ccttcttcgt | acaataagaa  | gcagcatatg  | 3749040 |
| gaatgggagc  | cgttggttca | gggactggaa | aggaaaaata | cggcttcatg  | ggatatgcct  | 3749100 |
| tcttctcctg  | taccagagga | aacatggagt | gaaccagagc | cagagtctca  | gcctgcagaa  | 3749160 |
| ccgacacttt  | acgatgagca | tccagatgtg | aatgtggctg | aaaaatcggc  | gcagcattat  | 3749220 |
| caatataaag  | gaagttatat | tctgacttct | gtcaagtcag | ggctgatgat  | aatcgaccag  | 3749280 |
| cagcgtgccc  | atgtacgtat | cttgtagcat | cagtacatga | atcagatagc  | caaccgcaag  | 3749340 |
| aatgtttcgc  | agcgtatgct | gtttcctgat | atggtacatt | tctctccggc  | tgaaatccct  | 3749400 |
| gttctggaag  | aaatcatgga | tgacctgacg | gcattgggct | ttgaactcag  | taatctggga  | 3749460 |
| ggagggttctt | atgccatcaa | tgggggtgct | gccggtattg | aaggactaaa  | tccggaaca   | 3749520 |
| ctggtcacaa  | atatggtaca | gactgctatc | gaaaaagggt | gtaaggtgaa  | ggaagaggta  | 3749580 |
| cagagtatgc  | tggctctttc | gttgccaaa  | gcagcagcca | ttgtaccggg  | acaggtagtg  | 3749640 |
| acgaatgaag  | aaatgaataa | tctgggtgat | gagctttttg | ctgttgctac  | tcccaattat  | 3749700 |
| actcctgatg  | ggaaggctcg | tctttcggta | ttgaaagaag | aagatttgga  | aaagcttttc  | 3749760 |
| aaataatagt  | agtacgtatt | caatcgatag | aaacgtcggg | acgtcttagt  | cagaacgtgc  | 3749820 |
| gcatgtttta  | tagaaaatgt | gcgcacgttt | ttttatgctt | tatctcaatg  | taaaaaacat  | 3749880 |
| atgcccttca  | cggcttagtg | cttcgctgaa | tgtgaaccct | tcccattcaa  | aacttttcag  | 3749940 |
| tgcttctaca  | tcttcgatgc | ggtttttcag | aatgaaacgt | gtcattttct  | ctctgcacat  | 3750000 |
| tttggcatag  | acaacaactg | ttgtgggttt | accattcttg | tataccataa  | attcgggtgt  | 3750060 |

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|             |             |             |             |             |             |         |
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| tgctaagttg  | atcaagagtc  | ccccttggtt  | ctgtattttca | gcaataaagt  | agtcggttaa  | 3750180 |
| taaaggacgc  | cagtattcaa  | acattgttct  | atttccatgt  | tcggccaagc  | gtacatcgcc  | 3750240 |
| ctcaagccgg  | taaggcttta  | tcaggtccag  | cggtctcagt  | aatccataaa  | gaaaggacgt  | 3750300 |
| gatgaacaga  | tgctgctgtg  | catactgcca  | gtcttcgtga  | gtaaagtctt  | tcgggttgag  | 3750360 |
| gcgcttgaat  | acaatgccgg  | tgtaagcgag  | taaagccgga  | agggaaaagac | tttcgggaga  | 3750420 |
| gaggaactca  | tgataacgaa  | gaacgttctc  | ggctgccagt  | ttattgttta  | tgtgcagcag  | 3750480 |
| gcgagccaac  | tcttcggaac  | tgaattgtgc  | catgtgcagg  | gcattttcgt  | gtgcctcctt  | 3750540 |
| ttcgaaaatag | ggagtagttg  | taaagggaaac | ctcttgccgg  | ttgcgtgcag  | ccattgtctt  | 3750600 |
| ggcacacgac  | atataaatca  | tcataagcag  | taactgtttt  | tgttaaatct  | cattacaaag  | 3750660 |
| atacgctctg  | gcagggactt  | ttgttcagaa  | aagacctata  | tttggttggtg | atagaatgaa  | 3750720 |
| ttgttttatt  | taattttaat  | cgtatatgat  | gaaatcggtg  | aaaatcggtg  | gcttggtcgt  | 3750780 |
| aatggctttg  | atgttgctct  | ttgtgagagc  | gaatgcccaa  | accggtgcag  | aaaaggtaaa  | 3750840 |
| aataggtgat  | acaatgcctc  | agtttacact  | gaattcggaa  | gtgtatggaa  | ctgttactcc  | 3750900 |
| tgccgactta  | aagggtaaag  | ttgttttggt  | aagtctgttc  | gctacatggt  | gcggaacctg  | 3750960 |
| ccaaaaggag  | cttgccgaag  | tgcagactac  | actttatccg  | aaatataaag  | ataatgagaa  | 3751020 |
| tttccgtttg  | ctggtgattg  | gtcgtgagca  | tactgatgct  | gaactgacaa  | aatacaacac  | 3751080 |
| ccgcaagaag  | tttactttcc  | cgctttatcc  | ggatccgaag  | cgtgaagttt  | tttcattggt  | 3751140 |
| tgccgaccaa  | agtattcctc  | gcgccatatt  | attcaataag  | gaaggaaaat  | taatataatc  | 3751200 |
| ttctatcgga  | tacactcccg  | aagaatttca  | gaagttgatg  | gattcgattg  | aagaggcttt  | 3751260 |
| gaaataatgg  | attgtattga  | gtgagttgct  | atgaatgaaa  | ttgaaaaaat  | gagaagtggg  | 3751320 |
| ctgcttgctg  | atttcacttc  | gcctgaaata  | cagagcagtt  | tttatcattg  | caagaaactc  | 3751380 |
| ttggctaagt  | ttcgggcaat  | gactctttac  | gatgacgatt  | accgtaaggt  | cttggaagac  | 3751440 |
| ttggtaccgg  | gaatacctgc  | aacatcggtc  | attcaacctc  | cttttttctg  | tgatcacgga  | 3751500 |
| catggcatac  | gtatggggga  | gcatgtgttt  | gtcaatgccg  | gatgtacggt  | tcttgacggg  | 3751560 |
| gcttacatta  | cgataggcga  | ttataccctg  | attgctccca  | atgttcagat  | ttatactcca  | 3751620 |
| catcatccta  | ttgattaccg  | agagcgtcgt  | gcctccaaag  | agtattcata  | tccggtaacc  | 3751680 |
| attggtcggg  | attgttggat  | tgggggagga  | gcgattattc  | ttccaggagt  | aacgattggc  | 3751740 |
| gaccgttgta  | ttatcggggc  | cggtagcgtg  | gtgacgaaag  | atatcccttc  | tgatagtctg  | 3751800 |
| gcagtcggta  | atccggctgt  | agtcaagcgt  | aagttgaatg  | ttgatgataa  | gtaatccgtc  | 3751860 |
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| tttgaaaaaa  | gtgcaatgct  | ggagaattga  | aaaggctctt  | ttagaataga  | tggcaaaaata | 3751980 |
| gttaagtcc   | gaaattgatg  | tcaaggacgt  | atggaacttg  | gctgggtata  | tgcttttcgt  | 3752040 |
| atgttcctta  | gttgttgggc  | aagtatatcg  | gcttgtgtat  | catccatctg  | cttatttttt  | 3752100 |
| agatccgact  | ctgtctgtaa  | aataaatgtt  | tccagctctt  | tcgcctgggg  | gtgtgacaaa  | 3752160 |
| tggaaaataat | cttcatcgcc  | gtggaaataa  | agcaacttta  | aacgggctaa  | catcaattcg  | 3752220 |
| gcttttaagg  | ctactttccc  | tttatataca  | ggagccggct  | ggctgtcatc  | tggagataat  | 3752280 |
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| ccgttgtaat  | cgatagaaca  | aatgtgatat  | ttgttggtta  | taagatcgat  | aaagtaaatt  | 3752400 |
| ctatcttttg  | tacattggac  | tttatctaag  | ttgctaacct  | tggaagaaac  | gtttaactgt  | 3752460 |
| cggagctctt  | ttgcatgaag  | tccgttaaag  | tactcttgga  | taatcttcat  | atgctcatct  | 3752520 |
| ttcatcgaca  | gataatacca  | gtatccgtcg  | gcataacag   | cctctgtttt  | aatttcatca  | 3752580 |
| ttctttggat  | tgtatcttct  | caccacacat  | ttatcatcgt  | caaatttggt  | gccggatgct  | 3752640 |
| gtatagatct  | ctgcttttaa  | atttaaattgt | ggctgaggat  | gattgaatat  | ggtatagaac  | 3752700 |
| caattatcgg  | agctgagaaa  | atatttggtg  | atgctgccca  | ttcctgttag  | tttatagggtg | 3752760 |
| ctggcatcat  | caaaagtagc  | atcgacatta  | taccaattac  | cgtcaatgta  | aattctgttc  | 3752820 |
| cacgcatgtc  | cggaaagtacc | agctatggct  | cctgtgacat  | aattgggttg  | gatacctagt  | 3752880 |
| ccattcagta  | ggagtgaata  | agaaaggcta  | tatccctggc  | acacgacttt  | gcgagtcaga  | 3752940 |

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|-------------|-------------|-------------|-------------|-------------|------------|---------|
| aaggctccta  | aagcagagaa  | tgaactgtat  | gccaaataag  | gatattcatc  | gtttctttct | 3753000 |
| ccataaataa  | catccttaca  | tagtttttga  | taaagcgtat  | aggcaatttc  | ggcagatgtc | 3753060 |
| atacggtagt  | ccaaaagtga  | atagaattct  | tcgatacgtt  | tctccagtaa  | gggataaatt | 3753120 |
| tctggaatat  | gaacaggctg  | tatggcatat  | tgcggcaaga  | aggctgataa  | gtatgtcggg | 3753180 |
| ttctctaaat  | cgacttttga  | gccgatattt  | ccatttactt  | taagatcaat  | agttcgttaa | 3753240 |
| aaattagccc  | agcctaagcg  | gctctggcag  | taaataaaat  | gagttctttg  | aaaagtttgt | 3753300 |
| caattaattg  | cgtgttttgg  | tcaatcccag  | acacgcaa    | aaatcgttca  | agcatgtaag | 3753360 |
| catttgttat  | gactgacttg  | catgatgata  | tggaaatatt  | tattcccatc  | ttcttacagg | 3753420 |
| cagccttggc  | gaggttttatc | gctgcaagtg  | atgcattaaa  | gtggaatgcc  | agtttcctga | 3753480 |
| agtctgtaga  | ctgacagttt  | gctattccgg  | catgttgctt  | ggcatcccga  | aagcagaatt | 3753540 |
| cgagttggaa  | acgtgttctg  | taaaagtcca  | ggacatcctg  | tgcgttctgt  | atctcgtttg | 3753600 |
| tagagaaata  | cagctgccat  | ttgtccgttc  | ttccatccat  | ggggtaccat  | acagccaggc | 3753660 |
| tcacaaagcg  | tttgagtgtc  | ttggagtatg  | ctttcagtc   | gtaaagttaa  | cccttgttca | 3753720 |
| ctttgtactc  | ggtacatctt  | gtgatgtcca  | gattttcaaa  | gtcaattttc  | tcgtcatgta | 3753780 |
| attttgagcg  | tccgcgtttt  | cctgtcctat  | tttctaaggt  | gggataaaac  | aatacggcat | 3753840 |
| cattcctgaa  | acggcttatt  | acgtggaaac  | cgttatcgta  | caatggtttg  | atgaaagttg | 3753900 |
| cctttgaaaa  | gaacgcatca  | cacacgactg  | tgccagaaat  | acgtttcagc  | tgttcctgta | 3753960 |
| tgctgataag  | gtaagagctg  | taccagtcaa  | caagattctt  | ctcacagctt  | tccagcgttg | 3754020 |
| cgttgtcagg  | tgctgttaca  | gagcccaaag  | tcatacattc  | atggttgtca  | acgtctataa | 3754080 |
| ctccaatacc  | ggttattttc  | agtccacgtt  | tgtattcacc  | ggcacaaccg  | gaccagaaat | 3754140 |
| agccaatcca  | cggcgttttg  | ctgcctgatt  | ttggaatgaa  | agacggatca  | acggctatcg | 3754200 |
| ccttgcgacc  | accttaaggt  | tgttccctga  | tgatggcttc  | attgaaggaa  | aaccagtcaa | 3754260 |
| agccgtcgtt  | ctcaaaattg  | ttgcggtatg  | tctgttccga  | gaaacatcca  | taccgtccca | 3754320 |
| tttgtaggaa  | attgatgcgg  | tcaggatatag | ccatgaataa  | tttcattgca  | tccatgaata | 3754380 |
| ctttctgaaa  | agatttgctt  | atattttacag | ctgattcgag  | agcgtttctg  | cactcggatt | 3754440 |
| ggtattgcat  | aaggagtgtat | tcttttagtca | taattaaaag  | tggtgaagta  | cttctaattt | 3754500 |
| actaaaaatc  | agtgaattat  | gaaatacttt  | ttctgttgat  | tttcagctgt  | ttagcatatc | 3754560 |
| tttttcatcc  | cttttcttac  | tccttgacga  | tttattcttg  | acagtatttc  | aatgatctct | 3754620 |
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| aattttaccga | agtattgtaa  | gatgaaacag  | caacggatct  | ttttccagaa  | aagcactata | 3754740 |
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| cgtagataaa  | cataaaaata  | atacgaatgc  | ggttggaaatc | aatagtctca  | taaagtatgg | 3755040 |
| tatcgttaag  | tagaatgtga  | aacaataact  | ttttatctgg  | ttataacaaa  | ctcagttgct | 3755100 |
| tgaatgtttt  | gatatgtaga  | taaaaaatcc  | ctgcttccaa  | attcagactg  | taggacacat | 3755160 |
| ctgaagtttg  | aaagcaggga  | atattatttt  | gtgaagattg  | atatggctat  | ttatattctt | 3755220 |
| gccagctctt  | tatttgata   | tcttcctgtt  | tcacttgga   | gaaagcttca  | atgaaagctt | 3755280 |
| ttgctagtcg  | ggcgttggtc  | atcagcggaa  | tggtatggtc  | tattgctccg  | cgccggatac | 3755340 |
| gataaccgtt  | tgtcaactca  | cgtttggagt  | gatttttggg  | aatgttgact  | atcaaatcaa | 3755400 |
| acttatgctc  | ggctatcatc  | ttcatcacat  | tgttttcggc  | atgtgggctg  | tcgtcgggcc | 3755460 |
| agaatacagg  | tgtggtcggt  | atgccgtgcg  | aattgaggaa  | ggtcgctgta  | ccggcggttg | 3755520 |
| cataaatgtg  | gtaaccgttc  | ttactcagca  | tgtgactggc  | atccagcaag  | tctactttcg | 3755580 |
| acttggttgc  | tcctgaagag  | agcagtaccg  | actgtttcgg  | aatcttatag  | cctgttgcaa | 3755640 |
| tcagtgcgtt  | gagcagcgct  | tcgttgaagt  | cgtcgcccag  | acagccgact  | tctcctgtag | 3755700 |
| acgacatgtc  | gactcccaaa  | acaggatcgg  | cattctggag  | gcgggcaaac  | gagaactggg | 3755760 |
| atgcctttac  | gccgatgcgg  | tcgatgtcga  | atgccgactt  | gtccggacgg  | gtatatggag | 3755820 |

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|             |             |             |             |             |            |         |
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| acgggaagct  | gcgtgaagca  | cgcaaattac  | attctattac  | cttaacttca  | tttttacggg | 3755940 |
| caagatactg  | aattattgaac | ggaccggaaa  | tattcagttc  | ctgtgcaatg  | cggcgactga | 3756000 |
| tctttttgat  | ctggcgggct  | gtagagaaat  | aaatttggtg  | tgccgggaat  | acaagtgtgg | 3756060 |
| catctcccga  | atgtacgccca | gcatattcaa  | tgtgttcgga  | aatggcatat  | tctacgattt | 3756120 |
| cgccattttg  | ggctaccgca  | tcgaattcta  | tttctttggt  | ttcttgcatg  | aactgagaga | 3756180 |
| caactaccgg  | atattctttc  | gatacttcac  | ttgccatctg  | caagaagcgg  | gtaagttctt | 3756240 |
| cttcgtcgta  | acatacgttc  | atggcggcac  | cgctcaatac  | atacgatgga  | cgaaccagta | 3756300 |
| ccggatagcc  | tacctttgcc  | acaaaggctt  | taacatcatc  | cagacttgtc  | agttcctgcc | 3756360 |
| atgcggggtg  | gtcgattcct  | aactggtcga  | gcatggccga  | gaatttggtg  | cggttttcgg | 3756420 |
| cacggtcgat  | agatatggga  | gatgttccta  | aaataggaac  | cgcctggcga  | taaagtttca | 3756480 |
| tggcgagggt  | attcgggaatt | tgtccgccta  | cggatacgat  | gacaccacga  | ggctgttcca | 3756540 |
| aatcgatgac  | atcgagtaca  | cgttcgaatg  | acagttcatc  | gaaatacaga  | cggtcgcaca | 3756600 |
| tatcgtagtc  | ggttgatacc  | gtttccggat  | tatagttaat  | catgattgac  | ttatatccca | 3756660 |
| gtttgcgtgc  | tgtctgaata  | gcattgacag  | aacaccagtc  | gaattctaca  | gacgaaccaa | 3756720 |
| tgcgataagc  | acctgagccg  | agtacgacta  | ccgattttctc | attcttatag  | taattgatgt | 3756780 |
| cgtatccttc  | ggcaccgtat  | gtcatgtata  | gatagtctgt  | cagttccgga  | tgctcggaag | 3756840 |
| caaccgtatt  | gatgcgtttt  | acagccggaa  | ggataccag   | tttcttacgg  | taagcacgta | 3756900 |
| ccatcagatt  | ttccttttcc  | atgtttccac  | ctttaggctt  | cagtatgaag  | cgggcaatct | 3756960 |
| ggaagtcgga  | gaaacctaat  | acctttgctt  | cgcgcaaaac  | ctcggcagga  | agttcttcca | 3757020 |
| gcgaattgta  | cgattgcagc  | ttggctttgt  | agtcgacgat  | gtttttcagc  | ttgccgatga | 3757080 |
| accacgggtc  | tattttggtc  | aggtcgtaga  | tacgttgaat  | atcgtatccc  | tcttccagtg | 3757140 |
| cctgagcaat  | tgccaagatt  | ctcaagtcgg  | tcgggttggc  | aagctcatcg  | tccaaattat | 3757200 |
| cgaagcgtgt  | atggtcattg  | cctacgaaac  | catgcatgcc  | ttggccaatc  | atacgaagtc | 3757260 |
| ccttctggat  | aatttcttcg  | aatgaacgtc  | cgatggacat  | gatttcgccg  | accgatttca | 3757320 |
| tgctggagcc  | gatacggcgt  | gataaccgga  | caaacttggt  | caggtcccag  | cgtggaattt | 3757380 |
| tgcagattaa  | gtaatccagt  | gaaggagcta  | cataagccga  | atttgagtg   | cccatttcac | 3757440 |
| cgatttcatc  | gagcgtatag  | cctaaagcga  | ttttagcagc  | tacgaaagcc  | agcggataac | 3757500 |
| ccgtagcttt  | ggatgccaaa  | gcagaggaac  | ggctaaggcg  | tgcatttact  | tcaatgatac | 3757560 |
| gatagtcgtt  | cgaatcggca  | ttaaaggcat  | attgtatgtt  | acattctccc  | acgatgccta | 3757620 |
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| ccatgctggc  | aaccgtaaag  | caatgatcgt  | ttgcatcgcg  | gattacttca  | aattctattt | 3757800 |
| ctttccatcc  | cttgagcgat  | tcttctacca  | gtatctgcgg  | agagaaggta  | aaagcgcttt | 3757860 |
| cagccagttc  | aatgaatttt  | tcctcgttgg  | gacagatacc  | acttcccagt  | ccgccaagag | 3757920 |
| catatgccga  | acggatcatg  | accggatagc  | cgatgcggcg  | tgacgagtc   | agggcatccg | 3757980 |
| acatgttttc  | tactgcctgg  | ctgatgggtg  | ttttcagttc  | gatttcattc  | aacttcttga | 3758040 |
| caaataaggtc | acggtcttcg  | gtgtacatta  | tggcttcgac  | cgacgttccc  | agaactttta | 3758100 |
| caccatattc  | cttcagcact  | ccagtctggt  | ataattctgt  | accgcagttc  | agggcagttc | 3758160 |
| gtcctccaaa  | tgccagtaag  | ataccgtctg  | gacgttcttt  | cttgatgatt  | tcggttacaa | 3758220 |
| aataaggagt  | aaccggcagg  | aaatatactc  | ggtcggcaat  | accttccgat  | gtttggatag | 3758280 |
| tagcgatatt  | aggatttact  | aatacagaac  | tgataccttc  | ttcacgcaag  | gctttcagag | 3758340 |
| cctgtgagcc  | tgaataatcg  | aattctccgg  | cttgaccgat  | tttaagtgcg  | cctgagccaa | 3758400 |
| gcaccaggac  | tttcttcaat  | tctttcttca  | tgggtgtttta | tttaattagat | ttatggttgt | 3758460 |
| cgttcatagt  | cttatacatg  | caaagaaaca  | attaattttg  | aagaaaacaa  | aggatttgct | 3758520 |
| tatctttgct  | gctaattaat  | aaatctcaaa  | gatataatga  | tgaaaaagga  | aaaaattata | 3758580 |
| cttaccggcg  | atcgccaac   | cgggaaactg  | catatcggac  | attatgttgg  | ttcgctgcgt | 3758640 |
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| tcgcagatac  | cggaacttta  | tgagttgagc  | ttttatttca  | tggaacttgg  | aacggtttct  | 3758880 |
| cgtttgcagc  | gtaatcctac  | ggtaaagaca  | gagattcaga  | tcgtaactt   | tgaagcaagt  | 3758940 |
| attcctgtag  | gattctttac  | ttatcctatc  | agccaggctg  | ccgatattgc  | tgctttcaag  | 3759000 |
| gctacgacag  | ttccggtggg  | ggaagatcag  | gaaccgatga  | ttgagcagac  | cagagagatt  | 3759060 |
| gttcgtcgtt  | tcaattatat  | ttatggtgaa  | acgctggttg  | aaccggaaat  | tcttttgccg  | 3759120 |
| gacaatgccg  | cttgatgctg  | tctgccgggt  | accgatggta  | aggccaagat  | gagtaagtcg  | 3759180 |
| ctgggtaact  | gtatctatct  | ggccgattcg  | gctgatgaag  | ttgaaaagaa  | ggtaaagagc  | 3759240 |
| atgtatactg  | acccgactca  | tattaaggct  | agcgatccgg  | gtaagttgga  | aggaaactgt  | 3759300 |
| gtcttcacgt  | acttgatgct  | tttctgtcgt  | ccggaacatt  | tcgaacgtta  | tttgcccgcg  | 3759360 |
| tatgcaagtc  | tggtatgagtt | gaaggctcac  | tatactcgtg  | gtggactggg  | agatatgaag  | 3759420 |
| gtgaagaaat  | tcctggcagc  | cattatgcag  | gaagaacttg  | caccgatacg  | tgaccgtcgt  | 3759480 |
| aaaatgttcg  | aaaaagatat  | tccggcagta  | tacgatatgc  | tgaagaaagg  | ttgtgaagta  | 3759540 |
| gctcgtgaaa  | cagccgcaca  | gaccatggat  | gaagtacgtc  | gtgccatgaa  | aatcaattac  | 3759600 |
| tttgatgatg  | ctgcactgat  | agctgaacag  | gcaaagcggt  | ttgcacaaga  | ataacgttca  | 3759660 |
| gattttacga  | taagcataat  | taagataaat  | cgctattcgg  | ataaatacaa  | gtaccttgta  | 3759720 |
| tttgccggat  | agcgatTTTT  | gtttgtatca  | gtgaacaaaa  | aaggaaaatg  | ggctgttccct | 3759780 |
| tattatataat | gattatttgt  | ttatcttaaa  | aaatggtact  | tatgaaaaag  | attgcgttaa  | 3759840 |
| gttgcatact  | tatgtttctt  | tctttgagct  | tcgccttggc  | tcaggaaaat  | tcctatcagt  | 3759900 |
| tgtcaagcca  | tattttggat  | attactcagg  | gaaagcccg   | tcctaattgtg | aagataagtc  | 3759960 |
| tgtataaaca  | gcaggctgac  | gggaaatgga  | aaatgataga  | agagaaactc  | accgatgaaa  | 3760020 |
| acggctcgtg  | caaggatttc  | ttgaagggaag | atggtacaga  | gcacgatggc  | gtgtataaac  | 3760080 |
| ttattttatca | cgtgaaaact  | tattttgacc  | tgatgggaga  | ggatacattt  | tatcctttttg | 3760140 |
| tcgaggttgc  | cttcgaaata  | aaggggaaaa  | aacattatca  | tgtgcctatc  | actttatcac  | 3760200 |
| cttacggtta  | ttctacctac  | cgagggaact  | gatttataga  | gtcggttgca  | gaggtttgga  | 3760260 |
| aggtgaaaaa  | tgtacttttt  | tgctggcttc  | acgatggttt  | ttgtgaaaaa  | aacagagcaa  | 3760320 |
| atatttgcat  | attcaaaata  | aagccgtacc  | tttgcaaccg  | caattgagaa  | cgagagctaa  | 3760380 |
| gggcgtttag  | ctcagctggt  | tcagagcatc  | tgctttacaa  | gcagaggggtc | ggcggttcga  | 3760440 |
| atccgtcaac  | gcccaccact  | aaacctactc  | ttgttcttca  | attcgctttt  | ggggcgttta  | 3760500 |
| gctcagctgg  | ttcagagcat  | ctgccttaca  | agcagagggt  | cggcggttcg  | aatccgtcaa  | 3760560 |
| cgccacttc   | ccaaaagcat  | aaatggtcaa  | atcttcccc   | tttggggcgt  | ttagctcagc  | 3760620 |
| tggttcagag  | catctgcctt  | acaagcagag  | ggtcggcggt  | tcgaatccgt  | caacgcccac  | 3760680 |
| aaatgagaac  | ttaattttag  | tgtttttcgg  | acgttttagct | cagctgggtc  | agagcatctg  | 3760740 |
| ccttacaagc  | agagggtcgg  | cggttcgaat  | ccgtcaacgt  | ccacttcaag  | agtttcatcc  | 3760800 |
| gttccggtgg  | aactcttttt  | ttatgttctt  | tctgttgaac  | ctttttttcg  | aggttgttgt  | 3760860 |
| tctatcgata  | atagcataag  | tttatgaagt  | ctttgattct  | ggcggacaat  | caggttgcaa  | 3760920 |
| cacggttggg  | aataaaat    | ctggctgtag  | aaagtggtaa  | acctgcttcc  | ttgataaagg  | 3760980 |
| aagcggaaaa  | cctgcatgac  | ttgtcggcag  | aattatctga  | ttgtccggat  | gcagtcgtgg  | 3761040 |
| ttattgatta  | tactttgttc  | gattgcatg   | ccgatcagct  | ttgggtgttg  | aaagagtgtt  | 3761100 |
| ttccagaatc  | tgtctttatc  | ctttttagcg  | aagcgtgag   | tgaagatttt  | gtgcggagga  | 3761160 |
| tgatattggg  | ctcggtaggc  | ttcagcctgt  | tggtgaaaga  | ctctgatctg  | tcggaactgc  | 3761220 |
| ttgcctgtat  | gcagagtgcg  | gagcagggag  | agcagtttgt  | ctgtgcgaag  | gttaaaggct  | 3761280 |
| ggctgtatag  | tggcgagcag  | catgtgtcag  | ccggcattcc  | tcagctgaca  | gctactgaaa  | 3761340 |
| aggagatact  | ccgttcgctt  | gcgttgggta  | agagtaccaa  | agagattgca  | gccgaacgct  | 3761400 |
| tcctgagtgt  | atataccatc  | atgacgcac   | gcaaaaatat  | tttccgaaaa  | ctgaatgtaa  | 3761460 |
| acaatgcgca  | ggaagctatc  | cgatatgctt  | tgcgggcagg  | aatagtcaat  | gttgcagaat  | 3761520 |
| attgcatctg  | atgccggtcg  | gaaagcgata  | gtatgtttct  | ttgtaaaatc  | gtcttatagt  | 3761580 |

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| ggattttttg  | tttaaagctt  | cagactataa  | aatttttaaat | tctcgatgt   | tatgttgaag  | 3761700 |
| aattcggggg  | tcgtgacgaa  | taaatcaatt  | atatcttgct  | gagtgcctgg  | ctcaggtcgg  | 3761760 |
| caatcaaatac | gtctacatgc  | tctgttccga  | tagacaggcg  | gacggttccc  | ggcttgatgt  | 3761820 |
| gctgctcttc  | cagctctttt  | tcattcagct  | gcgaatgggt  | tgtggtagca  | ggatgaataa  | 3761880 |
| ccagcgattt  | catgtcggcc  | acattggcca  | gcagtgagaa  | tatctgtaaa  | ctgtctatga  | 3761940 |
| agcgttgggc  | ttccttaatt  | cctcccttaa  | tgtcgattgt  | aaagatggaa  | cctcctcctt  | 3762000 |
| gcgggaaata  | acgctcgtaa  | aggagatggg  | cgggatgac   | gggcagcgac  | gggtgatgta  | 3762060 |
| cggcttccac  | tttaggatgc  | ttgcttaaga  | aatccacaat  | tttcaatgcg  | ttggctacgt  | 3762120 |
| ggcgttctac  | acggagtga   | agcgtttcca  | gtccctgaag  | tagcagaaaa  | gcgttgaaag  | 3762180 |
| gactgatggc  | agctccggta  | tcgcgcaata  | aaatagcacg  | gattcggatg  | atgtaggcgg  | 3762240 |
| cagctcccgc  | tgcgtcggta  | aaccgatgc   | cgtgatagca  | agggctccgg  | tcggctcaatt | 3762300 |
| gtggaaaattt | acccgaggct  | ttccagtcga  | atttaccgga  | gtcgataatg  | acgcctccaa  | 3762360 |
| ggcttgatcc  | gtgtcctccg  | atgaatttgg  | ttgccgaatg  | taccacaatg  | tcagctccat  | 3762420 |
| gctctatcgg  | tcgaatcaga  | taggggtgtac | cgaatgtgtt  | gtctatcacc  | agtggaatct  | 3762480 |
| gatgggcatg  | agcaattcgt  | gcaacggctt  | caatgtctgt  | aatgttcgaa  | ttcgggtttc  | 3762540 |
| ccaacgtttc  | gatgaagatg  | agcttggtat  | tttctgcaa   | agcttcctcg  | aagttttcga  | 3762600 |
| ttcgactcgg  | atcgacaaaa  | gtcgtagtta  | accccgaagc  | gggaagcgtg  | tgagccagta  | 3762660 |
| agttgtacgt  | tccccgtag   | atggatttgg  | cagctacgat  | atggtcgccc  | gcgcgggtga  | 3762720 |
| tgttctggaa  | cgcatacgt   | atggcagcgg  | ctcccgatgc  | aacggcgaga  | gcggcaatac  | 3762780 |
| ctccctccag  | tgtgccatg   | cgtttttcga  | atacatcttg  | tgtcgggttg  | gatagtcgac  | 3762840 |
| cgtagatatt  | tcccggatct  | tgcagggcaa  | aacgtgccgt  | agcatgggccc | gaattgtgaa  | 3762900 |
| agacatacga  | tgttgtctgg  | tagataggta  | cggcacgtgc  | atcgggtggg  | gggtctgcct  | 3762960 |
| gttcttgtcc  | tacgtgtagc  | tgaagggttt  | cgaagtgaag  | tttttgaaag  | ttcatagttg  | 3763020 |
| taatgatttt  | gtatgttggg  | tgattttgtg  | atttaaagag  | ggtattcttc  | gaaggcataa  | 3763080 |
| agtacggtcg  | acagataacg  | ttctccgggtg | tcgggtagta  | gcacgacgat  | gtttttgcct  | 3763140 |
| tcataatcgg  | gcatttgtgc  | cagttgcagt  | gcggcatatg  | tcgcagctcc  | cgatgaaatg  | 3763200 |
| cccaccagta  | atccttccctg | taaggacagt  | tccctgccgg  | tacggatggc  | atcatcgtct  | 3763260 |
| tttacgcgta  | caatcttgct  | tactacatcc  | gggttatatg  | ttttcgggac  | gaaaccggct  | 3763320 |
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| ggttctaccg  | ctacaatttc  | aatctgcgga  | ttgtacgatt  | tcagtccttc  | acctactccg  | 3763440 |
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| ttctggcggt  | ccagactcat  | ggtttcgggc  | atggtaagaa  | tcgctttgta  | tccttttact  | 3763740 |
| gatgctaccc  | atgccagtc   | tacgccgggtg | tttccactgg  | ttggttcaat  | aattactgct  | 3763800 |
| ccgggctgta  | agataccttt  | ctgctcggca  | tcttctatca  | ttgccagtgc  | gatgcgggtct | 3763860 |
| ttgacgcttc  | ctccgggatt  | aaagaattct  | agtttgccga  | taatgcgtgc  | ttttgcctca  | 3763920 |
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| gagaagcatt  | ggcttctctt  | gtctagtgtc  | ggaggcctga  | ctcgaacaga  | cgacctttgg  | 3764160 |
| gttatgagcc  | caacgagcta  | ccaactgctc  | cactccgcga  | tgttatttct  | tgtttgtttg  | 3764220 |
| aggttgatac  | ctcttgtcta  | gttgcgagg   | cctgactcga  | acagacgacc  | tttggttat   | 3764280 |
| gagcccaacg  | agctaccaac  | tgctccactc  | cgcgatgtta  | tttcttgttt  | gtttgaggtt  | 3764340 |
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| aaatcatttaa | atagccgttt  | ctcctcggaa  | gttaatagtg  | gtaaaaagaa  | gaattttttga | 3764640 |
| acaaggtcct  | gtctgaatat  | actgcgaggt  | agtaggaagg  | cagggcagat  | gtgatgcggt  | 3764700 |
| ttttgtacaa  | attttcggat  | ttttgtaca   | aaaaatccga  | aaatgtcagc  | acgttttcct  | 3764760 |
| tcatttatgc  | agagattggt  | cctgatattt  | cttattgatt  | gagtgcagct  | tgtttatctg  | 3764820 |
| tttgcggtta  | gaaagacgtc  | ggatgtgaag  | aaatattcgt  | gttacgactt  | gagtattatt  | 3764880 |
| gttggttttt  | cataaactct  | tcattctcgt  | gatggaaaat  | atatcttgga  | tttgtgtaga  | 3764940 |
| taaaagaaaa  | acagtaattt  | tgctcacaat  | atacatgatt  | gtgcaatagg  | agagtttagaa | 3765000 |
| tgactgtact  | gaagaccaga  | gctaaattag  | tggatgttgc  | ccggcagttg  | tttgccaaga  | 3765060 |
| aaggtgtaga  | agctacgaca  | atgaacgaca  | ttgccctggc  | ttctaagaaa  | gggcgccgta  | 3765120 |
| cgctatatac  | ttattttaag  | aataaggatc  | agattttacat | ggccgtagtg  | gagtctgaac  | 3765180 |
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| aaatcctgga  | gctgattatg  | actcatctgg  | atatcataaa  | gatggccggt  | taccgtaatg  | 3765300 |
| gtacgctccg  | tgccgatttt  | ttccgtgaca  | tctggcgtgt  | ggaagctatg  | aggaaatact  | 3765360 |
| tcgacaacaa  | tgagattaag  | ttgtttcgtg  | agggtttgaa  | ggaaggaaaa  | gatcaggggc  | 3765420 |
| tcttcgatat  | cgataacgtg  | gagataacgg  | cagatatctt  | gcattattgc  | attaaaggaa  | 3765480 |
| ttgaagttcc  | gtacattcgc  | ggtcagatag  | gtgaagacct  | tgacgatgaa  | acgggctggc  | 3765540 |
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| caacctgaag  | tcagctttca  | acttcattca  | tgcttgcact  | cctatcatga  | tgcgtcagaa  | 3766020 |
| gagtggtaat  | attatcaaca  | tggcttctgt  | agtaggtgta  | cacggaaacg  | ctggtcagtg  | 3766080 |
| caactattct  | gcttcaaagg  | caggtctgat  | tggcttggtc  | aagtcaattg  | ctcaggaatt  | 3766140 |
| gggttctcgt  | ggtatccgtg  | caaacgctat  | cgctccgggc  | ttcatcatta  | cagatatgac  | 3766200 |
| tgctaagttg  | accgacgaag  | tgaaggctga  | atggacaaag  | aagattcctt  | tgcgctcggtg | 3766260 |
| cggtactccg  | gaagatgtgg  | caaatatcgc  | tttgttcttg  | gcttctgact  | tgtcttctta  | 3766320 |
| tgtatcagga  | caggttatcc  | aggtagatgg  | tggatgaat   | atgtaataga  | ataagtagta  | 3766380 |
| aataattgag  | gatgaaggat  | ggggaatctt  | cgtgccggca  | tgtgatgtcg  | cacagttctt  | 3766440 |
| cattcttcat  | ctttttattt  | cagggtatta  | tgaccgtagt  | atacgaagat  | aaccatatta  | 3766500 |
| taatagtcaa  | taaaacggct  | tccgaaattg  | tgacgggtga  | taagacggga  | gatgttccac  | 3766560 |
| tgtctgaaac  | cgtgaaacaa  | tatatcaagg  | agaaatatgc  | aaagcccgggt | aacgtatttc  | 3766620 |
| tgggggtgac  | gcaccgtctg  | gatcgtccgg  | taagcggact  | ggttgatttt  | gcaaagacca  | 3766680 |
| gcaaggcatt  | gagccgtctg  | aacgatatgt  | tccgcaacag  | tgaggtgaag  | aaaacctact  | 3766740 |
| gggccattgt  | aaagcaatgt  | cctcctgccg  | aagaagggga  | actggttcac  | tatctggtgc  | 3766800 |
| gtaatgaaaa  | acagaacaaa  | tcgtatgctt  | acgacaagga  | ggtgaaaaac  | tccaagaagg  | 3766860 |
| ctattctcga  | ttataagctg  | ataggacatt  | cacagaatta  | ttatttgctg  | gagataaact  | 3766920 |
| taaaaacagg  | acgtcatcat  | cagattcgtt  | gccagttggc  | caagatgggt  | tgtcccatca  | 3766980 |
| agggtgattt  | gaaatatggc  | tttccccgtt  | ccaatccgga  | cgggaagtatt | tgtctgcatg  | 3767040 |
| cacgtcggat  | tcgtttcatt  | catccggttt  | cgaagagact  | gattgatgtt  | acggcacctg  | 3767100 |
| ttccttcagg  | taatttatgg  | aatggattcg  | acatgaatct  | ataaaaaagaa | aaacggaagc  | 3767160 |
| gcttcacagc  | gtctccgttc  | attaaaaaac  | acataggcat  | cttcattttc  | ttaaaggtta  | 3767220 |
| cgtttcaggg  | ggaagaaacg  | tacctttctc  | tcttttgttt  | ttatgggggt  | gggtttttgt  | 3767280 |
| agtttagttt  | ttgcctttta  | tgttggtata  | gggtgtgtgt  | ttatcaattc  | tctctattat  | 3767340 |



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|             |            |             |            |             |             |         |
|-------------|------------|-------------|------------|-------------|-------------|---------|
| atagtgaat   | tggcgtgcc  | aactttacct  | gttctgtaaa | tgcttgattc  | ccttttattt  | 3767400 |
| gctggaatgt  | tcttttagaa | aataatgtgg  | aaagtgtgga | atgattgggg  | agtgttgtgg  | 3767460 |
| aattattcca  | cacttttcgg | aatgtgtttt  | catgtgtcga | tagttatcgg  | ggagaaatta  | 3767520 |
| tcctatatta  | tacagtttca | ttttattgta  | taatgtcttg | cggtcgatac  | cgagcagaag  | 3767580 |
| tgacagctttc | gtcttattgt | ttccagtctg  | ctgcaatgca | ttcaggatac  | gctgcttctc  | 3767640 |
| catttcttcg  | tcgtgcagaa | caaaggatga  | agtctgaggg | gtacttgacg  | gttgcgataa  | 3767700 |
| aatctcgtca  | cccagatcgt | gtaacgtaat  | aaactctccc | cgtgccagta  | gggtagcacg  | 3767760 |
| tttcacgata  | ttcttcaact | ggcggagatt  | acccggccat | gaatagcgtt  | ggagggcttc  | 3767820 |
| actggctgcy  | gcatcgaagc | caatgaggtc  | gcgttccagt | tcgcagttgg  | cttgggtccag | 3767880 |
| aaagaagttt  | gcaaagagca | gaatgtcttc  | ggggcgttct | ttcaagtcgg  | gcatacgcaa  | 3767940 |
| ggtaaattca  | ttgatgcggt | gatacagatc  | ttctcggaag | ttacctttgg  | ttattgcttc  | 3768000 |
| ctgcagattt  | tcattggtag | cacttatcag  | tcgtacgtcg | acttctattt  | ccttggtgga  | 3768060 |
| accgatccgg  | cggatccggc | gttcctgtaa  | ggcacgtaac | agttgtacct  | gcacttcgta  | 3768120 |
| gctcagattt  | cctatttcat | cgagaaacaa  | tgttcctccg | tttgcttctt  | cgaaagctcc  | 3768180 |
| gactttgtcg  | ttcagtgtcc | ctgtaaata   | accttttata | tgcccgaaaa  | attcggaagc  | 3768240 |
| tgccaaatcc  | ttaggaatag | atccgcagtc  | tatggcgata | aaaggcttcc  | cgtttcgctt  | 3768300 |
| gcttagttca  | tggattcggt | gggctacgta  | ttcctttccc | gtaccgctgg  | ctccgtttat  | 3768360 |
| caggacagac  | atctgggtag | gagctaccag  | cctcacgtag | ctgaaaagct  | gatgtgcagc  | 3768420 |
| ttcactttct  | ccttccaaaa | agctttgtgg  | tgctgttttt | cccagttgta  | cgtcggtagt  | 3768480 |
| tgttacctct  | tgttccggct | tttgtatagc  | ttcccttatt | tttttcaaca  | gttcgtcagg  | 3768540 |
| ctgtaccggc  | ttggcaatgt | aatcgcttgc  | tccttgtttg | atagcctgta  | cggcagtttg  | 3768600 |
| gatttccgca  | tagcttgtca | tgatgataaa  | aggagtgggt | cacgattggc  | tgccggagcca | 3768660 |
| tgcaagcaag  | tgaattccgt | cttgggtcggg | caaacgcaag | tcggacagaa  | taaggtcata  | 3768720 |
| agaacgtgcc  | gagagtgtgt | tcttggcgcg  | tgaactgcta | cttgccgtat  | caacttcgaa  | 3768780 |
| tccttttttc  | cccagccatg | ttttgagcat  | ggtagaaaaa | gtcaaatacat | cttcgattat  | 3768840 |
| tagaatagac  | ggaatcatat | atttcttttt  | atccgatgta | tttattattc  | atagccttgc  | 3768900 |
| ttttccgggt  | actctctgtc | ggtcgataga  | tcaaagagta | ccctgtttca  | ccgtgagaaa  | 3768960 |
| gtcttattct  | tttatagaat | atttgtgatg  | cgattttgga | aatttaattc  | cattctacag  | 3769020 |
| tcaaatgttc  | aggtatatca | aggcaatatt  | tatacaaaga | tagtgttttt  | tcgctattgt  | 3769080 |
| atttagagct  | tgttctaatt | tttcgaaaag  | taaacccgaa | caagcttctt  | tttaagtttt  | 3769140 |
| ctttggaaca  | tgctgctccg | ttgtctatgc  | ttggagaata | ttaccggtta  | ccttgctgtc  | 3769200 |
| ctgctctatg  | acatcggcaa | tgcaagtcag  | agcaatctct | gcttggtgcct | ttgcttcctc  | 3769260 |
| agtcagaacc  | gtttttcctc | tatgaaattc  | cagccattgc | aatgccggca  | cagccttttt  | 3769320 |
| agcttcaatc  | atggtaaagg | taggaagcat  | tttatgagct | acagcacata  | aatcctccat  | 3769380 |
| atctccagct  | tccaatgcct | gtttcatccg  | ttcgtaattt | ttggaacttt  | ctccgatgaa  | 3769440 |
| ggtttccaga  | atttcgtgcy | ctgcttccgg  | atcatctccc | gagaaggctg  | tcagcgggtga | 3769500 |
| aaagtataac  | gcattgtctg | ttggtacgag  | tgtgggctta | tgctcttcct  | gtggcgggtat | 3769560 |
| ttctttccag  | tctgccgatg | tatgtgcctt  | gaatatcctc | agtaattcat  | cttgattgaa  | 3769620 |
| tggtttgtgt  | aggcatccgg | caaagccttt  | ggcttggaag | tcagcttcat  | ccatgtcgct  | 3769680 |
| tcgtgccgta  | atggctatga | cggaatcgt   | ccttgcttgc | ggaacgtcga  | gacttctcag  | 3769740 |
| tttctggagc  | agttcgaatc | cgttcattgc  | cggcatttgc | atatcggtaa  | gaatgatata  | 3769800 |
| gaacgggttcg | gaagcaacca | ggttgaaaag  | ttcttccggc | tgttcacaaac | tttttatcac  | 3769860 |
| tgaggttatg  | ttgtggttcg | catgattgaa  | caggtcgtaa | atcatgactt  | ctgtcagatt  | 3769920 |
| cagttggatg  | cggtcatcgt | ctatcagcag  | aagccgccat | tgctttttat  | cgtccggtaa  | 3769980 |
| tgtttcttcg  | tggttaactg | gtgccttggt  | tactctagga | agatacagtt  | ctacttgga   | 3770040 |
| agtgggtgcct | tgctcggag  | tgctttctac  | cgaaatttct | cctttcagca  | gttcaaccag  | 3770100 |
| tttcttggtg  | atggatagcc | ccagcccgaa  | accttcttgt | ccctgggcac  | ttttagccg   | 3770160 |
| tgtaaacgct  | tggaatatac | gttgctgttc  | ttgtggattc | attccgcata  | ccgtatcttt  | 3770220 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| tacgatgaag  | gtaaaccggt | tttgtccata  | atcaacttct  | atcgtaatgt  | tgccttgtga  | 3770280 |
| agtaaatttc  | aaggcattcg | atatcagggt  | ctctgcaatc  | tggcggatac  | ggaacggatc  | 3770340 |
| tccttccaga  | ttgagtgtag | gaggtatatg  | ttcttttagc  | tcaagtgcca  | gtcctttctt  | 3770400 |
| ttcagctccg  | ggtaagaaac | tggtatagat  | gctttcgaac  | agttcgtgcg  | gattgaagggt | 3770460 |
| taccggatga  | atatccatct | ttccggcttc  | tagtcgggtg  | tagtcgagca  | gcgaagtgac  | 3770520 |
| cagatccagc  | agatgatgtg | ccgaacttcg  | catgttatgc  | aggtagaact  | gctggcgttt  | 3770580 |
| gtcgtgtacc  | agtctgatta | ataaatcaat  | atatacctata | atagatccag  | ccggtgcctt  | 3770640 |
| gatgtcgtgc  | gtaatgggtc | gcatcagttt  | ctcgcgggca  | acgagcagggt | tttcggcata  | 3770700 |
| gagcttggct  | ttttccagct | ccttcgggta  | atggttgctg  | cgggtaatat  | cgcaccagat  | 3770760 |
| gatggtaaa   | aagatcagta | ccagcaagac  | tgcaagaatg  | gcgatgggtg  | ccatgggtcca | 3770820 |
| tgctgcctgc  | tggcgaatgc | tctgttcgtg  | tgcaaagcgg  | atctccatag  | ccttttgttc  | 3770880 |
| gtcgtcctcg  | attgtttcca | gcaactgggt  | tacgcgctgg  | ctgactcttc  | ctcctgcat   | 3770940 |
| acgcagctgg  | ctgatacggg | cgtcagagtgt | ccgctgactt  | tcctgtcttg  | tctggaagac  | 3771000 |
| cttgtgctgt  | atggaagtca | gcatggtggc  | gatggtgtct  | accgggttgt  | aagcttcgtc  | 3771060 |
| tatcgtatcg  | gtatattctt | cctgtataat  | attgtctacc  | tgtgtagaat  | cgggtttgcc  | 3771120 |
| gggagaaaa   | aagtcggcca | aacgacggaa  | gaacttcttg  | ggtttgtgat  | ggatagtata  | 3771180 |
| cgaattatga  | tgcgtaacga | cccgtcggcg  | tacatgcgtg  | ctgttcaaga  | tagaatcctg  | 3771240 |
| ctgcatgatc  | agactgtcca | gttgctgacg  | gtacagctca  | tctgtcgggc  | tttgccgcat  | 3771300 |
| ggcttcgagg  | accagaatca | tgttttggtc  | cttattgcgt  | aataaagagc  | gtaccgtatc  | 3771360 |
| cagacgtaac  | tgttgagag  | tatccgtcag  | cagctgctga  | agcgagtcca  | tcagtacgct  | 3771420 |
| tgtttccttc  | atggcctttt | tatacttcgg  | atactcgttc  | aggcgtccgg  | tacgcaagggt | 3771480 |
| ctgtccgatg  | atttcggcct | cgtacagttg  | cgtcacgac   | tgggtgcgtg  | ttttccttcg  | 3771540 |
| gttactgata  | gtttcttcca | gccccgtagg  | agtagtaagc  | agcgtcattt  | gctgatagat  | 3771600 |
| atacccgatg  | gcgccgaaaa | gcagacagat  | aagcaggata  | tatccaaagg  | cgattttggt  | 3771660 |
| agaagtggaa  | aacatagtca | ggctcctttc  | cctgttttat  | acctgaacct  | gagataatac  | 3771720 |
| atgatgccgg  | caactggctc | tccgaacggg  | aaagccatcc  | atataccggg  | aattccccag  | 3771780 |
| ttgcagacaa  | agccgaacag | gtatcccaag  | ggcagtgata  | tgataaaata  | agcgataaac  | 3771840 |
| gaaaacagca  | tcatcagacg | tacatcggcg  | atgccctcca  | gtgagttggc  | aaagttgatt  | 3771900 |
| tgcaatccgt  | cgccaaactg | gtagagcagg  | aacgggataa  | tgacctgtgc  | taccatggca  | 3771960 |
| gctacggctg  | cgtcgtcggg | aaaccagcct  | cccaaataat  | tacgcagcag  | ataaataggg  | 3772020 |
| atggatgtac  | agacaatcat | gatcaggatg  | atatggaaac  | ccacgtttgc  | cgtgctgcct  | 3772080 |
| acgttctcca  | tatctctctg | tccgaggaag  | ttgctgatac  | ggactgatag  | agctgctccc  | 3772140 |
| atgccataat  | acatcatgaa | gcagatttgt  | gacacggcaa  | tcataatctg  | ataactggca  | 3772200 |
| agttccgcgc  | ttccaacca  | accaccata   | atagactcca  | ggctgaaaga  | ggctgtttcc  | 3772260 |
| attcccatct  | gtgcggcaat | gggccatccc  | agtctgttca  | ggcgactgaa  | atcggccttg  | 3772320 |
| ttgaggctgc  | cccgaacggg | gccttccggg  | aaagactggg  | agcggcgggt  | accgaaaaat  | 3772380 |
| aagactaaat  | aagctatcac | catgagaatg  | cgcgatacca  | gcgtggaaac  | gccggcaccc  | 3772440 |
| agtaagccca  | gttccggcat | gccgagcttt  | ccgtaaataa  | gaatatagtt  | gccgatgata  | 3772500 |
| ttcagaatat  | tgccgctcag | cagtatccac  | atcgacactt  | tggtatcggg  | tataccgtcg  | 3772560 |
| gaaaactgtt  | tgaatccggt | gaaccacagc  | acgaaaggta  | gggaaaccag  | cagaaccatg  | 3772620 |
| aagtaagggtc | gcatgtgcgg | tatcagctcg  | gcgggttgct  | ccatccgggtc | cagattcacg  | 3772680 |
| taaagtatgg  | tcattaccag | acatacagtg  | gctgccagta  | cgggtattggc | tgccaggctg  | 3772740 |
| ttcttgagaa  | tccttccac  | atctccgatt  | ttatgctgac  | cgaacagggt  | gcctactacg  | 3772800 |
| ggagtcagtc  | cataggcaaa | gcctgtactg  | aagataatgg  | caagggttgaa | catgttggtc  | 3772860 |
| acgaagctgg  | cagccgccag | ttccgtcgtg  | ctgtgatgac  | caatcatcag  | tgtgtcggca  | 3772920 |
| aatcccagta  | cgatgactcc | tatctgtccg  | atgacgatag  | ggagccccag  | tgacaacaat  | 3772980 |
| gctcggtaat  | gtgactgact | catttgattg  | ctttataata  | taggatgtta  | cagttctcgg  | 3773040 |
| gaacaaaggc  | acgccgtgcc | gtttcttgta  | tctgttctac  | cgtaaccgaa  | cgggtatttc  | 3773100 |

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|-------------|-------------|-------------|-------------|-------------|------------|---------|
| cgacttccag  | attgatattct | tccgcacgtc  | ccagcaactc  | gaagaatgcc  | agatttgtcg | 3773160 |
| ccacgttcag  | gtaattgatg  | ttattgaaaa  | tttgttcgct  | ttcataacgg  | ttcttcactt | 3773220 |
| tttccagttc  | ttgttcggat  | acgggaaccg  | ttttcaattt  | gtcagagttcc | tgccatacag | 3773280 |
| cttcttctgc  | ctgttccagt  | gtgacgccc   | atgccggtt   | gcccgtaatg  | tgcaataacc | 3773340 |
| cttcgtcgag  | gctgcccga   | atatagcat   | cgatggaggt  | gaacagtttc  | ttctcctgta | 3773400 |
| ccagcgtctg  | gataaagcgt  | gatgaacgtc  | cgttcgacag  | cagatcggtg  | atgatgtcga | 3773460 |
| atgcatgata  | ggcacgatga  | tagcgattgc  | acatgtggaa  | agccatgtac  | aaagcgtcta | 3773520 |
| ccggcacttt  | gcgttccacg  | ctgcgtcggc  | gtatggcagt  | ctgaggcttt  | tctgccggca | 3773580 |
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| accggtagaa  | gaagcttttc  | acctcttcca  | gcgtggcggt  | agctatatga  | ctgatctcct | 3773760 |
| ttccgatagt  | cggccaacgg  | tacggatggg  | tttggttaagc | catttcgcgc  | aataagtgtg | 3773820 |
| ctgcgtcgcc  | gtaaggttgg  | ttcaggttgc  | gttgcttgaa  | ttcttcgatg  | actacctgac | 3773880 |
| gctgtacttc  | caagctttgc  | ggactgaagt  | cgaggcttag  | catacgggtca | ctctccagcc | 3773940 |
| agaaacctgt  | ttctacgttc  | tggtagggaa  | gggtaatgta  | ataattggta  | atatcgttgt | 3774000 |
| tgggtccaggc | gttattctcg  | ccgccggcgt  | tttgtaccgg  | aacatcatag  | tcgggaatat | 3774060 |
| tcaccgaacc  | gccgaacatc  | agatgttcga  | acagatgggc  | aaaaccggta  | tgttccggat | 3774120 |
| cttcgtcgcg  | ggctcctacg  | tcgtacaaca  | cattgagggc  | aaccatttga  | gtagagttgt | 3774180 |
| cctcattgtg  | tacgatacgc  | agtcggttgg  | acagtgtatg  | atggtttact  | tgtatcatta | 3774240 |
| ttctttatcc  | gatttctcta  | tgacagaagc  | tttcagtata  | cgtacatcct  | tttccggacg | 3774300 |
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| ttctccaaat  | atcgtatagc  | tgccgtccaa  | gtggggagct  | ccacctactg  | tggtataagc | 3774420 |
| ttctatctgt  | tcgcgggttaa | acttcagggc  | aggttctttc  | tttacttcgg  | cacgtgcctg | 3774480 |
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| aacatcaccg  | gtacctaaag  | tagtggttgt  | atcggtagca  | gttttactct  | gcgggtcgcc | 3774840 |
| tgctgaatc   | atgaaattct  | tgatgacacg  | gtggaaaagt  | gtgctgtcgt  | atacccttc  | 3774900 |
| tttcaccagc  | ttgatgaaat  | tgtcgcggtg  | tttcggcggt  | tcatacata   | actttacggt | 3774960 |
| aatatttccc  | atcgtcgttt  | ccaagcgtac  | aagtgtttcg  | tttcctgtta  | tcatagaatt | 3775020 |
| ttcttttttt  | tgacttccgg  | tgcattgcgg  | catgcagcag  | agaatcaggg  | tgaataaaat | 3775080 |
| gattgttttc  | ttcatacag   | gtgtgttttg  | cttgcaaagt  | tacaaaaacc  | cgtgggaata | 3775140 |
| taaaaaagat  | gtcagcacgt  | atgagagaaa  | acatgctgac  | atctttttat  | tttttgtaca | 3775200 |
| aaataatttt  | gtttttgtac  | aaattatctt  | gaaatgtcct  | gtagacttgc  | ggttaatgcc | 3775260 |
| ttattctgcc  | agactaagta  | tctgcgcttc  | ctgaggaaca  | taatctccct  | ggaagaagcg | 3775320 |
| gctggcacga  | agcaggtgac  | gccagatgct  | gaccaactcc  | tgtgtttcct  | gaaggatgtt | 3775380 |
| caggtagacc  | atcgaagctt  | tcagacttgc  | attgtcgggt  | tcctgcatgc  | ggttcatctg | 3775440 |
| ctgcttgccg  | agagctgata  | tcttattctt  | cagggcatca  | ccttttacca  | gaatatcgtc | 3775500 |
| tgcttcacga  | tagtcgttgt  | tttcgatagc  | tgtacgggta  | cgttccatca  | gctgacagag | 3775560 |
| ttcttcacgt  | atcggaagga  | attctgcgat  | gcagcttttc  | gatatcggtg  | tgaagttgtt | 3775620 |
| gtctacatgt  | tccttacaag  | gttcacagat  | acgcttcaag  | cagtaaagca  | tctgttcgca | 3775680 |
| gctgttgctg  | cctaggtgga  | accaggtatt  | cttttcgata  | gctattggaa  | taggaatacg | 3775740 |
| acgcaatcct  | aaaatttctt  | tacgacgacg  | ctttttcaac  | atcttctttt  | gctcgtcggt | 3775800 |
| agaattcatc  | acttttttta  | gctgtttcag  | gtcctcggtg  | atgaaaccgt  | cggtaacttg | 3775860 |
| catgtaagct  | tgttcggtat  | aagcgatgta  | atctgtcagg  | gtacctttta  | catgctggcg | 3775920 |
| gagcagtgac  | agcacttccg  | atttgtcttt  | gctggccatc  | atgcgtttta  | agatatcatc | 3775980 |

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|            |             |            |            |             |             |         |
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| agccacacag | ataaagatga  | acatgcccac | aaagcttgtg | tagaacatga  | tggcagttac  | 3776100 |
| cagtgcacag | atggtaaagg  | ctacgaaagc | ggtgatgaac | catccgccga  | tgaccgacaa  | 3776160 |
| cattccggtg | atacgggtata | cggcactttc | acgtcccca  | gcacggtcgg  | caagtgaaga  | 3776220 |
| acccattgcc | acgatgaaag  | ttacgtatgt | agtagagagc | gggagcttca  | tggttgtacc  | 3776280 |
| gatgataatc | agcaaaccgg  | aaagtaccaa | attgacagat | gcacgaacca  | tatcgaatgc  | 3776340 |
| ggctccgttt | gccagaatca  | cttcattctt | gttgaaacgg | ctgtctatcc  | agcggcgcat  | 3776400 |
| gcctgccgga | atcaccttaa  | ccagaaattc | gttgatagct | gtcgcacggc  | ggacgatggt  | 3776460 |
| acgtgccaat | gccgacgaac  | cgaacatttc | gtcacctct  | tcctgacgag  | ccagatcgac  | 3776520 |
| agatgtcttg | attacattct  | ttgctttctt | agaagtagcc | agcgcataaa  | ccatgatgat  | 3776580 |
| acccgaagcc | agcaggaaga  | tagccggagt | cttagccgac | gacatcagcg  | aattcatcat  | 3776640 |
| aaagtcgtgt | atgcctacac  | cgttcgagtt | ggctgcataa | tccgtataag  | ccgagaaacc  | 3776700 |
| agccaaaggc | acaccgataa  | agttgacaag | gtcgtttccg | gcaaattgca  | gtgccagtga  | 3776760 |
| gaaagtaccc | agcaacacga  | tgatacggaa | tacatttacc | ttgcaccagt  | gcaggatttg  | 3776820 |
| catcagtacg | gtaaagaaaa  | caaagcaagc | tacaactagc | atagttgtgt  | tttcatctat  | 3776880 |
| ccacgcaagt | gattctgcac  | tcataaacgg | tgcgcttttc | aatcccttta  | tcagcacgaa  | 3776940 |
| ataggcaagt | gcggtcacag  | aaataccacc | aaatacgcca | atggtccagg  | aaagatgttt  | 3777000 |
| ttttagttg  | aagctgaaga  | taagacgaga | gatgtattga | acgattgttc  | cggcaatgaa  | 3777060 |
| ggcgtaggca | acggagagga  | aaatacccat | aataacggat | aaggcttttt  | cggatttcat  | 3777120 |
| catgtctcct | aaagacagaa  | gaccagtttc | atcgccgatg | attttgagaa  | ttgcaagaat  | 3777180 |
| aaatgtacct | ccaataatt   | cgaagaccat | tgatacggta | gtcgaggtag  | ggagtccgag  | 3777240 |
| agtgttgaa  | acgtccagca  | gcaccacatc | cgttaccata | acggcaagca  | gaatacacat  | 3777300 |
| aatttcatag | aaactgaaat  | tggctggttg | gaaaatacca | tgtcgggcca  | tgtccatcat  | 3777360 |
| gccgttactc | ataattgcac  | ctacgaatac | gccgactgcc | gctacaatga  | cgatggtttt  | 3777420 |
| ataccgggca | acctttgctc  | ctacggcgga | attcatgaag | ttaactgcat  | cgttgctgac  | 3777480 |
| acctactagc | aggtcgaata  | ttgccagcat | gaaaaggaaa | atgacaattc  | ctaaataaag  | 3777540 |
| agtttccata | ttttactata  | aaaatgattt | tttagcgctc | caaagttatg  | gaaaatctgt  | 3777600 |
| cagacgcctg | ttgttatacg  | tattacattt | ctgttacaaa | atacttaggg  | gctatgttat  | 3777660 |
| aagggtaaaa | tgtttttttt  | agaatttctt | cgcatgttta | tctattggaa  | attcgtaact  | 3777720 |
| ttgtgcccta | aatcatagaa  | ttatatagta | attactaaaa | tattaaagca  | atgtcagagt  | 3777780 |
| caaagagaat | aaaaacggcc  | ttggtatcgg | tatatcacaa | ggacggtttg  | gatgcgatca  | 3777840 |
| ttcgtcgttt | ggcggaagaa  | ggtgtagaat | ttttgtcgac | aggcggtaca  | cgatcatttta | 3777900 |
| ttgaaagctt | aggatatgct  | tgtcatgcag | tagaagatct | gactggatat  | ccttctattc  | 3777960 |
| tgggcggtcg | tgtaagaca   | cttcaccgga | aagtattcgg | tggatatttg  | tgccgctcgtg | 3778020 |
| aactggaaga | ggaccgtcag  | caggttacca | aatatgaaat | tcctgaaata  | gacctggtga  | 3778080 |
| ttgtcgacct | ttatccgttt  | gaagacaccg | ttgcttcggg | agccgatgct  | cagtctatca  | 3778140 |
| tcgaaaagat | tgatataggt  | ggtatctcgt | tgattcgtgc | tgctgcaaag  | aacttcaatg  | 3778200 |
| atgtagttat | cgtggcaagc  | aaggctcagt | ataagccttt | cctcgacatc  | attacagaaa  | 3778260 |
| aagggtcagt | gactactcgt  | gaagaacgtc | gctggttcgc | caaagaagcg  | tttgccgtat  | 3778320 |
| cttctcatta | cgactcggct  | atcttcggat | ggttcgacgg | aaacgataat  | tctgctttcc  | 3778380 |
| gttatgcagc | tgaacagccg  | aaggcattgc | gttatggtga | gaatcctcat  | caaaaaggta  | 3778440 |
| ttttcttcgg | tgacttcgat  | cagatgttcg | aacagattca | tggttaaggaa | atctcttata  | 3778500 |
| acaatttgct | tgacatcaat  | gcggctgtcg | atctgattga | tgagttcaag  | ggtgaaacga  | 3778560 |
| ctttcgctat | cttgaagcac  | aacaatgctt | gcggtctggc | ttctcgctccg | gtattggtag  | 3778620 |
| atgcttggcg | tgctgctttg  | gcaggtgatc | cggtttctgc | ctttggtggt  | gtgctggtaa  | 3778680 |
| caaatgccgt | agtcgaccgt  | gctacagccg | aagaaatcaa | caacttggtc  | ttcgaagtaa  | 3778740 |
| tcacgcgtcc | gggtacgat   | gcagatgcgc | tggagattct | tactcagaag  | aagaaccgta  | 3778800 |
| tcattctggt | gcgcaaagaa  | gctgaaactc | cgaaaaagca | gttccgctct  | ttgctgaacg  | 3778860 |

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| ccgaaaaggc  | tccttcggat  | gcagaaatcg | aagatctgct  | tttcgccaat  | aagattgtaa  | 3778980 |
| agcagagcaa  | gagcaatgct  | atcgtgctgg | ctaaaggtaa  | acaattgggt  | gccagtgggtg | 3779040 |
| taggacagac  | ttcacgtgta  | gatgctttga | aacaggctat  | cgaaaaggct  | aaatcgttcg  | 3779100 |
| gattcgacct  | gaacggagct  | gtaatggcta | gtgatgcttt  | cttccccttc  | cccgattgtg  | 3779160 |
| tggaaacttg  | cgacaaggaa  | ggtatcaagg | ctgttatcca  | gccgggtggt  | tcggtaaagg  | 3779220 |
| acgatttgac  | attccagtac  | tgcaatgcac | acggtgtagc  | tatggtgggtg | actggtgtac  | 3779280 |
| gtcattttta  | acactaatat  | aactcgaata | ataataatga  | ataaagagtg  | attcttcggt  | 3779340 |
| cattatttta  | aaaagattct  | tcaataggaa | aattatggga  | ttattctctt  | ttacacaaga  | 3779400 |
| aatagcaatg  | gatccttgaa  | ctgccaatat | cattatattg  | agcaacgaca  | agattgtggt  | 3779460 |
| agatgaacct  | tcagtggtag  | cactcgaccg | ccgtaccgac  | aagatgattg  | ccgtagggtga | 3779520 |
| gcgtgcgaag  | ctgatgtatg  | aaaaggaaaa | cccaaaccatc | cgtaccggtcc | gcccgtctgcg | 3779580 |
| tgacgggtgtg | attgccgatt  | tcaatgcgtg | cgaacagatg  | atgctgtggt  | tgattaagaa  | 3779640 |
| ggtaaatacg  | ggacgccgct  | tgtttactcc | ctcactgcgt  | atggttatcg  | gagttccttc  | 3779700 |
| tggttctacc  | gaggtagaac  | tgagagcggg | tcgcgatagt  | gccgaacatg  | caggcggacg  | 3779760 |
| tgatgtctat  | ctgatttttg  | aaccgatggc | tgctgctatc  | ggtatcggac  | tggatgtgga  | 3779820 |
| agctcccgaa  | ggtaacatga  | ttgtggatat | aggtggtggt  | tctactgaaa  | ttgctgtcat  | 3779880 |
| ttcattggga  | ggtatcggtt  | cgaataactc | tatccgtatt  | gccggagatg  | acttgactgc  | 3779940 |
| cgatattcag  | gaatatatga  | gccgtcagca | taatgtaaag  | gtcagcgaac  | gtatggctga  | 3780000 |
| gcgtatcaaa  | attcatgtag  | gtgctgctct | gaccgatctg  | ggtgatgaag  | ctccggaaga  | 3780060 |
| ttatatcgtg  | cgcggaaccg  | accgtattac | ggcactgccg  | atggaagttc  | cggtttgcta  | 3780120 |
| tcaggaaatc  | gctcactgtc  | tggaaaaaag | cattgcaaag  | attgaaacgg  | ctatcttgag  | 3780180 |
| tgcgctggaa  | aatacaccgc  | ccgaattgta | tgccgatatc  | gtaagcaatg  | gtatttatct  | 3780240 |
| ggcagggtgga | ggcgcgctgc  | tgcgtggact | cgacaaacgt  | ctgaccgaca  | agattaatat  | 3780300 |
| tccgttccat  | attgccgaag  | accctctggt | gagtgttgcc  | aaaggaacag  | gtattgcctt  | 3780360 |
| gaagaatgtc  | gaccgtttct  | cattcttgat | gagataaaat  | agtttcctgc  | cttgaggcat  | 3780420 |
| ggatgaaaat  | tgcggggcct  | tttgtgagaa | tggctccgca  | ttaatcttga  | tatttttctt  | 3780480 |
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| gctcttcggt  | ttgctggagg  | tagtgagctt | cattctgctg  | ttccgtttca  | acagctatca  | 3780600 |
| gggaagtgtc  | ttttttactt  | cagccaaccg | tgttgagga   | agtatttatg  | aggtggcaaa  | 3780660 |
| cgaaatcaca  | tcttattttg  | ggctgcatac | ggtaaaccgt  | gatctggtgc  | gtcgtaatgt  | 3780720 |
| agagctggaa  | ttgcagggtg  | aatccttgaa | cagagcgctt  | aaaggctata  | tgcgtgatac  | 3780780 |
| cacagaggta  | gaaaaaagca  | tgtatcagaa | tgtgctggcc  | gattattcca  | tttatcctgc  | 3780840 |
| tgaggtagtg  | aataacagcc  | tgacgcattg | tgataactat  | attacaatca  | ataaagggtga | 3780900 |
| tgtgacagt   | atccgtactg  | agatgggagt | agtgagcgga  | aatgggggtcg | tcggcattgt  | 3780960 |
| ttaccagact  | tcggctcatt  | acgctatcgt | attgccggta  | ttgaattcaa  | aaagcagtat  | 3781020 |
| cagttgtaaa  | atccagcgga  | cggattattt | cggttcgctg  | aaatggaacg  | gtggttcttc  | 3781080 |
| gctttacgca  | tggctgaaag  | atattccccg | gcactcgag   | ttttcatttg  | gtgatacgg   | 3781140 |
| ggtgaccagc  | gggcatagt   | ctgttttccc | ggaagggtata | cctgtagggtg | tagtcgacga  | 3781200 |
| catggctgat  | agtcacgatg  | gcttgctgta | tgtactgaag  | gtaaagctct  | ttacagactt  | 3781260 |
| tgcacgcctg  | aacgatgtga  | atgtaatcag | ttttcgtgga  | cgaccggaac  | aggccgaact  | 3781320 |
| cgaaaataat  | ataaaaataag | gtgtatggta | ttgttcttac  | agagattgggt | gtggttcggt  | 3781380 |
| tttctggtac  | tgcttcagggt | actgggtgtg | aatcatgtgc  | atattctggg  | ctatgcaact  | 3781440 |
| cctatgctct  | atatctatta  | tatattggta | ctgaatgctg  | aaatacctcg  | caagtcggtt  | 3781500 |
| cttttgcagg  | cttttttcc   | gggattatgc | atcgatatct  | tcagtaatac  | tccgggcatg  | 3781560 |
| aatgcggcag  | cagctaccat  | gatggcggtt | gcgcgccgct  | ccttgctacg  | tatgcagatg  | 3781620 |
| ctgcgtgatg  | taaccgacga  | ttacgtaccg | ggcattcgtt  | cgatgggttt  | ttatcctttc  | 3781680 |
| ttccggtata  | tcttgagtag  | tactgtggta | tttatgggtta | ccttgcaaat  | aattgatgct  | 3781740 |

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|             |             |             |            |             |            |         |
|-------------|-------------|-------------|------------|-------------|------------|---------|
| tttacgtttt  | tccgcatgag  | tgagctgatg  | tggaagattg | tgacagatac  | actgataacg | 3781800 |
| gtagttggca  | taatctgtat  | agacactata  | aggaggaaga | aatagtggat  | cggaattata | 3781860 |
| agctggcaaaa | gagaaggcat  | gtcattgggtg | gtgtcgttct | gacggtagtg  | gttcttttta | 3781920 |
| taattcgttt  | gtttgcgttg  | cagatattga  | atgacgacta | tcggaagaat  | gccgacagca | 3781980 |
| atgcgtttct  | gaagaaaatt  | cagtatccca  | gtagaggagt | gatttacgac  | cgtaccggga | 3782040 |
| agctgctggt  | ttataaccag  | ccggcttatg  | atatcacggt | ggatcatgaag | gagataactt | 3782100 |
| cgctggatac  | tgccgattta  | tgcagtacac  | tccggataac | gcccgatttt  | gtacgccgta | 3782160 |
| aatttcggga  | tataaagaac  | cggcgtttga  | atcctggata | ttctccttat  | accaatcagg | 3782220 |
| tattttctgac | tcagctttcg  | gccgaagact  | gcggtatttt | tcaagaaaaa  | ctgtttaagt | 3782280 |
| ttcccgtttt  | ttatattcag  | cgctcgacta  | tccgtcagta | taattacaat  | gcgggagcgc | 3782340 |
| atatcttggg  | agatatagcc  | gaggtttcca  | aggaggaaat | ggaagatgat  | gattattatt | 3782400 |
| tgccgggtga  | ttttatcggc  | aaattagggg  | tagaacgttc | gtacgaaaaa  | caactccgtg | 3782460 |
| gagaaaaagg  | tgtggagggtg | ctgcttcgtg  | atgcgcacgg | acgtatccag  | ggaaattata | 3782520 |
| tggatggtaa  | gttcgataag  | gctcctgttc  | cgggaaagaa | cttgacgctg  | agcctggata | 3782580 |
| ttgaacttca  | gatgctggga  | gagagattgc  | tggaaaggaa | aatcggcagt  | attgtggcga | 3782640 |
| tagagccttc  | taccggcgaa  | gtactttgtc  | tggatatctt | acctacttac  | gatccgagcc | 3782700 |
| tgatgattgg  | acgtaacaga  | ggtaagaatc  | atcttgaatt | gtcgaaagat  | ccgtggaaac | 3782760 |
| ccttggtgaa  | ccgtgctatt  | atgggtactt  | atccaccggg | ctctactttt  | aagactactc | 3782820 |
| aggcactgac  | tttcttgcat  | gagggtatca  | ttactaccgg | aacgatgtat  | ccgtgttcgg | 3782880 |
| gaggtttctc  | gtatcgcgga  | ctgcatgtgg  | gatgtcatgc | ccatccttct  | cctctggctt | 3782940 |
| tgataccggc  | tattgccacc  | tcttgtaacg  | gatatttctg | ctgggggttg  | tatcacatga | 3783000 |
| ttggtgctcg  | tcagaagtat  | ggctctgtgc  | agaaggccat | gaatacgtgg  | cgtgattaca | 3783060 |
| tggtttcgat  | gggatttggg  | tatcagctgg  | gaattgattt | gccgggtgag  | aaacgaggta | 3783120 |
| tgattcctaa  | tgcacagttt  | tatgacaagg  | cttaccgccg | ttcgtggaac  | ggtttgacca | 3783180 |
| ttatcagtat  | tgcaattggt  | caggagagg   | ttactgccac | tccgcttcag  | atagccaatc | 3783240 |
| tgggtgcgac  | cattgccaac  | cggggatatt  | ttgtgactcc | tcatgttgtg  | aaagagatag | 3783300 |
| aaggagagcc  | gatagattct  | atttatacaa  | cccgccgtta | tacaaaggta  | gataaggtag | 3783360 |
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| ctaataattcc | ggaactggag  | gtctgcggta  | agactggtac | ggcgcagaat  | cacgggaagg | 3783480 |
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| acaattgctt  | tgtatgttgt  | cctgatagtg  | tgtggctggt | tcagtgtgtg  | tggagccagc | 3783780 |
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| gatacgtatg  | cttatctgat  | atacgaatc   | ttgctgttat | tgctgttttg  | aacgatattc | 3783960 |
| aatccgcatg  | agatcaaggg  | ttcgcgttcg  | tggattgtat | tgggtccggg  | aagtctgcaa | 3784020 |
| cctgctgagt  | ttgccaaagt  | tgctacggca  | ctggcttttg | ctaaatacat  | gggtgagtat | 3784080 |
| actttttcta  | tggaaagagg  | taggaaaatg  | ctggtagcac | tggccattat  | tctcgttccc | 3784140 |
| atgttcttga  | ttatctgtca  | gaaagaaact  | ggatcggctt | tggtttatct  | ctcttttttc | 3784200 |
| ctgggtactgt | atcgggaagg  | gatgactggg  | tccatcttgt | ttgcgggggt  | atgtgccgtg | 3784260 |
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| ctaggagagt  | tcgccgtatt  | gggactgatt  | atattatttt | cggccttgct  | ggtgaaagct | 3784380 |
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| ctactgggct  | ggttggtttc  | tttgtagctc  | attccgtttg | acgtagttta  | cttgcaagga | 3784500 |
| gtggtatgtg  | gagccttatg  | catctatttg  | gtttatctat | tcttgacaga  | acgcattcgt | 3784560 |
| aattatctgt  | acatattagt  | atttactatc  | ggttcgggtg | gattcctctt  | ttcggcagat | 3784620 |

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| atggaagatg  | acccgacagg  | tgccggatac  | aatgtcaatc  | aaagtaagat  | tgcaattggt  | 3784740 |
| tcgggaggct  | tttgggga    | aggttttctg  | aacggtaccc  | agaccaagtt  | gaaatatgta  | 3784800 |
| cccgagcagg  | ataccgactt  | tattttctgt  | accgtaggcg  | aggagcaggg  | atgtgtgggc  | 3784860 |
| tctacgattg  | tgattctggt  | gtttgctgca  | ttgatatggc  | ggttgattta  | tctagcagaa  | 3784920 |
| cgacaaagca  | cccggtttgg  | acgagtatat  | ggatatagtg  | tgctgagcat  | tttctttttc  | 3784980 |
| catctttttg  | tcaatgtggg  | tatgggtactt | ggattgactc  | ctgtaatcgg  | tattcctctt  | 3785040 |
| cctttcttca  | gttacggagg  | ctcttcgctt  | tggggattta  | ccattttact  | gtttgttttt  | 3785100 |
| ctgcgtattg  | acgctgcccg  | tgaagttga   | cagacgcata  | cccacatcgc  | tgattccctt  | 3785160 |
| cagcgacttg  | tcacgcatga  | tatgaactac  | ctgtagcaaa  | ctgtcggctg  | gcgaaagatg  | 3785220 |
| cagaggatga  | tcttggttac  | atgtaaactg  | atacatattg  | cctgctgtac  | ctttgccttt  | 3785280 |
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| atggcatgcc  | gcaagggaga  | ataataaacc  | taatattccc  | cctgcggtcc  | ggatatatga  | 3785580 |
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| gcctggcgtg  | gagcatttcc  | ttgtctttgg  | cgattacctc  | ccttttctcc  | tcttcgctta  | 3785880 |
| tcaccgccct  | ggcgtcttcc  | tttccgtctt  | tctcttccac  | cgttggcagg  | agtattggaa  | 3785940 |
| gttgccgcat  | tgttctctac  | ccgtgcctgt  | ccttctgtct  | tttcctgact  | tgatgcattc  | 3786000 |
| ttattgggaa  | ggagcttttg  | tggattgggt  | tcttgaatag  | tggcctgacg  | agcttctccg  | 3786060 |
| tttttcttct  | tattcttacg  | gttcttgccg  | tttttgcttt  | tatcgaaacg  | ggtaacactt  | 3786120 |
| tcctgttcca  | gcaagtcttt  | cggacgtgcc  | ggctcatgca  | tgccgttgct  | gttcagtttc  | 3786180 |
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| gttacttcgt  | tggcaaggaa  | actcttgctg  | gtagaataaa  | tgatttctcc  | tttcaggatg  | 3786300 |
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| aatcgtttct  | ggcattctac  | gtaagcgtct  | acttcgtagt  | tgaggcaaca  | tttcagcttg  | 3786420 |
| gcacattgtc  | cggccagctt  | ttgcggatta  | agcgaaatat  | cctgatagcg  | ggctgctccc  | 3786480 |
| gtagatacag  | aaataaaaatt | agtcatccac  | gtagcgcaac  | acagttctcg  | tccgcacgga  | 3786540 |
| ccgatacctc  | cgatgcgtcc  | agcttcctga  | cgagcaccga  | tctgtttcat  | ctcgatacgt  | 3786600 |
| acacggaaaag | cctcagccag  | tactttgata  | agctgacgga  | aatctactcg  | ttcatcggca  | 3786660 |
| atgtaataga  | aaatggcttt  | gtttccgctg  | ccctgggtatt | ccacatcacc  | gattttcatc  | 3786720 |
| tgcaaacctta | agtcggcggc  | aatctgacga  | gaacgaatca  | tcgtagcatg  | ttcacgactt  | 3786780 |
| ttggcctctt  | catatttttc  | catgtctacc  | ggttttgcct  | tgcgggtatac | acggcgtatt  | 3786840 |
| tcagcatccg  | gctttatggt  | tgccttacgc  | atctgcaacg  | gtacaaggcg  | tcctgtcagc  | 3786900 |
| gttactgtac  | cgatgtcatg  | acccggactg  | gcctctactg  | caacaatatc  | gcctttttcc  | 3786960 |
| agtttcagggt | gattgtctgtt | tttgaaatat  | ccttttcggg  | tattcttgaa  | ctgtacctcc  | 3787020 |
| accatatcct  | gctcttcgct  | gttaccggga  | atatcggccca | gccagtcgta  | ggtattcagt  | 3787080 |
| ttattatctt  | gtcttccgca  | gcccttacag  | caaagcgagc  | cacttccgtt  | cttcaatata  | 3787140 |
| aatttgttca  | tagtttcaat  | tcttttagtag | tacaatcatt  | ttcagggcga  | aatcgaagaa  | 3787200 |
| aacgaatttg  | ggattttacgt | tttgttcgat  | atgtcgtccg  | gcttcctcca  | gttcatccat  | 3787260 |
| gatacccatg  | acgttccttt  | cgttgacgaa  | aggtgcaaat  | cgtgaagcga  | attgagcctc  | 3787320 |
| ttcgcgtccc  | aggtaattca  | tttccggctg  | gtggaagtta  | tatataaagt  | tttcccgtat  | 3787380 |
| catgcgctgg  | cagtatgccca | ataaattttt  | ctgccgttct  | cttcctaattg | ccgcaacctg  | 3787440 |
| ctcgtcccat  | gctttcattt  | ctttcaggcg  | tcgggcgtat  | gccagtcgca  | tcagagaagt  | 3787500 |

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|             |            |            |             |             |             |         |
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| aaacagtgta  | aagaatagtc | ggttttcttc | tcccaaagt   | atgttttcga  | tggcgcgtaa  | 3787560 |
| gacacttccg  | gcagagaggt | gtgcaatata | ggctgcatct  | tcgggctgaa  | gcatatagcg  | 3787620 |
| cgtgcgtaat  | aatccggcaa | tatcctcctc | actcagcgga  | ggcagggttaa | accgtttgcat | 3787680 |
| acggctgggtc | agtgttgga  | gaatatattc | cggagcctcg  | ctgaccagta  | aaaacagggt  | 3787740 |
| ataggcagga  | ggctcttcga | ggagcttcaa | cagcttggtc  | ccacattccg  | cattcatctt  | 3787800 |
| ttctgggagc  | catataatca | tgattttata | cccgccttct  | ccggctttca  | acgacagctt  | 3787860 |
| ccgttgatt   | tcgtcacttt | cgcgtacgaa | tatctgagcc  | tggttggttt  | cggctcccat  | 3787920 |
| acgtgccagc  | caatctggta | gtgagaaata | gggtgaatca  | atcagctgct  | gacgccatgc  | 3787980 |
| atcgataaag  | tcgtcggaca | ccgtgtcacg | tccggctttt  | ttcttgatga  | caggaaaagc  | 3788040 |
| gaaatgtacg  | tcggggtgaa | ccagtttggt | cattttttaca | cacgaaggac  | atttcccgcga | 3788100 |
| agcatcttct  | tctcccggat | tttcacaaca | caggtatcgt  | gctaaggcca  | gcgccaaagg  | 3788160 |
| gagtttacc   | gttccctcca | ttccacagaa | cagcatggcg  | tgaggcacc   | gcccttcacg  | 3788220 |
| gacgagtgtc  | agcagatggc | gtttagcctc | ggtttgctct  | atgacgtctt  | taaaaaacac  | 3788280 |
| ggtaataaaa  | tttctttggc | tacgcggcgt | acgctttccg  | tagctccaac  | agtataaaaa  | 3788340 |
| tgaatactcg  | gtacaccgtg | agcaatcagt | tcacggcatt  | ggttgataca  | ccattccact  | 3788400 |
| cccaattgtc  | gggcttcttc | gtcggtttta | catttcaaag  | cttcagagc   | cagatcctgc  | 3788460 |
| ggaaggctga  | ctttaaatgt | tttaggaact | accgacaact  | gagatagttt  | gctgaacggt  | 3788520 |
| ttgattccc   | gaataatcgg | gatatcgata | ccttcacgac  | gcacacggtc  | aacaaagtca  | 3788580 |
| aaaaatttgc  | ggttatcgta | aaataattgc | gttacggcat  | attctgctcc  | cgcttcaacc  | 3788640 |
| ttctttttca  | accagtaa   | atcctgttcc | atgttgggag  | cttcttcacg  | cttttccgga  | 3788700 |
| tagcaggcaa  | ctccgtagct | gaaaggatgt | acaggagctt  | taataggaga  | accgtcgcag  | 3788760 |
| aatactccgc  | ggttgaaatc | attgatttgc | tgttccagct  | ccacggcatg  | tgcataatcct | 3788820 |
| ccgggttcg   | gagtaaagac | ttgctcgtgt | ttagccttgt  | cgccacgcag  | aatcagcagg  | 3788880 |
| tcggtaatac  | ctaaaaattg | cagatccagc | agaacatact  | ccgtgtcttc  | acgtgtaaat  | 3788940 |
| ccactgcaca  | agatgtgtgg | tactaccgtg | atgttatatt  | tgttttgtat  | ggctgctgcc  | 3789000 |
| actgctaccg  | taccgggacg | gcggcggtat | cgcttgctgt  | catacagccc  | gttaccacgt  | 3789060 |
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| cgtaagggaat | cgatggtttc | atataatttt | tctatccctg  | tgccttttaa  | aggaggaaga  | 3789180 |
| atctcgaatg  | aaaaggcagt | tttctcaggt | gatttgatta  | agtcaattac  | tctcatttca  | 3789240 |
| ctatttttgc  | gccttgttag | ggtgttacat | atttgcaaaa  | aataagaaaa  | atatcgtact  | 3789300 |
| taacgggaga  | atgtttctta | aaaattttta | tttgtctgcc  | gatacatcag  | agcacggggg  | 3789360 |
| taaacagggtg | agcgaaccat | ccgacaaagc | gtttccacgg  | tgtccgtttc  | ttgtaaaccct | 3789420 |
| ctttcgtcat  | tatcgtactg | ttttgcttgt | cggcactgaa  | tatctcggtc  | agttgggccc  | 3789480 |
| tgataggcag  | gtcgaataca | aacgcgttga | tttcgtaatc  | ataccgcagg  | ctccggctgt  | 3789540 |
| tcagggttgt  | acttcccacc | gtacagaacc | gttcgtctac  | catcatgacc  | ttcgaatgat  | 3789600 |
| gaaatcctcc  | gttgtagaca | tagatatgcg | ctcctttttt  | tcggaggcgg  | ttggcaagat  | 3789660 |
| aaaatccggc  | atcgggtgtg | aaactgatgt | ccgatttgcc  | gggaatcatg  | atttctaccc  | 3789720 |
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| aagggttgat  | gatttgtatt | ttccgttctg | ccgcattgat  | ggctgcaatg  | taagcgtgcc  | 3789840 |
| tcattgcttt  | gggcgatatt | ttcgggacgc | gctgtacaat  | agctacctga  | tgaccggcat  | 3789900 |
| gtatcggagg  | cgcattcagt | gaatcctctc | caaaaggga   | aaattcatcg  | ccttctatat  | 3789960 |
| gctgcttggt  | ctctttgttc | cacattgtta | aaaaagcctc  | ttgcagtttt  | tctacagcag  | 3790020 |
| gtcctttgat  | acggatatgc | atgtctctcc | atgctccgat  | tttaggcagt  | ccgtttatgt  | 3790080 |
| aatagtcggc  | gatattcatt | cctcctgtat | agcctacttt  | gccgtctatg  | actactattt  | 3790140 |
| tctggtgggtc | acgactggcc | gcatggttta | cgtacggaaa  | ggtaatcggg  | tcgaatgtta  | 3790200 |
| taatttctat  | tcccctttta | ctcaatttct | tgaggagcct  | gttgcggagt  | ggacggttat  | 3790260 |
| tcgacatatt  | tccgaaagca | tcgaacatgg | cgcgtacttt  | tactccttcc  | ttcactttca  | 3790320 |
| gtgcaagtaa  | gtcgaacaag | gcattcccga | tggaatcggt  | tctgaaattg  | aagtattcca  | 3790380 |



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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gatgtatatg  | atgttttggc  | tttttgattt  | cttcaaaaag  | gtcgttgaat  | ttctctctcc  | 3790440 |
| cgctgggcaa  | cagtttcagc  | tcattattgt  | tgataattgc  | cacgccttgt  | tcgcgcaagt  | 3790500 |
| atctggcaaa  | taatgagtca  | gcaggcagat  | attcggtaat  | ggatatcttct | gctgcttttg  | 3790560 |
| ccgtaaacga  | ttgtgattgt  | gcacggcaag  | gcacgccgaa  | tttcacaatc  | aataagacta  | 3790620 |
| ggcaaaaaaa  | tattttgtga  | aattttagt   | cattcatgca  | tcgatagttt  | ttgtgaggtg  | 3790680 |
| caaaaatatg  | gaatttaatt  | aagaatttgt  | aatgattaca  | cttgcttttc  | ataaaatagt  | 3790740 |
| gactatttga  | ctgtaaaatc  | agatgaaatg  | actgatttga  | ttagaagaaa  | gtaagggtata | 3790800 |
| aagtttggga  | agcgatgaag  | actattctct  | gaattgcttt  | tgaaatttgt  | acaaagaaaa  | 3790860 |
| aaagtttttg  | tacaaaaaaa  | taaaaaacgt  | cgagaggaat  | aaccgcacaa  | ttgcgcgttt  | 3790920 |
| ttcccttaaa  | taatgacttt  | atttatgtct  | ttttgccctt  | tacgcccttc  | acaaacgttg  | 3790980 |
| gaaaattaac  | aaaagagata  | cttttctctt  | gtattagaag  | actgattttc  | ctcctgctag  | 3791040 |
| aaagacctgt  | gaaggcgggtg | aaggcaaaaa  | agacaaaaaa  | gttttttatt  | ttgccggatg  | 3791100 |
| tttcttatt   | gtcagccagt  | aagccgttac  | cacaagtata  | ccggttacca  | cccacgaaat  | 3791160 |
| agggtagaca  | tagagcaata  | cgctgatcc   | tctccatctc  | ggtgaaacac  | aatacaccca  | 3791220 |
| aatgatacga  | agcatgcagg  | tacctactac  | agtcgatgaga | gcagggtgtaa | gcgactttcc  | 3791280 |
| catacctcgc  | aaggaagaac  | cggctatctc  | gtaactgcaa  | gcaataaact  | ggagtgccag  | 3791340 |
| tacgatgtgc  | atacgtatgc  | ttccgaagtg  | ctgtaccatg  | ggcatatcgg  | agaagaatcc  | 3791400 |
| taagaagaaa  | ctgtgctgcc  | aggtgaatat  | ccagctgaag  | gctgcgcaga  | gtccggcact  | 3791460 |
| tgctcccata  | cagatccaga  | aaatgcgggtg | taccctgtcc  | atctttccgg  | caccgtagtt  | 3791520 |
| ctgggcgata  | aaactgatag  | ccgccccatt  | gaagccttga  | atgatgaaat  | aagtatagta  | 3791580 |
| ttcaaagttg  | agcgcagccg  | acgaaccggc  | tatggcatct  | gctccgtaac  | tgttgataga  | 3791640 |
| cgactgtacc  | actacgtttg  | agatagagaa  | tatcattccc  | tgaatgccgg  | ctggcactcc  | 3791700 |
| gatcttgagc  | atacgactca  | gttccgtaaa  | gttgattttt  | attttatttg  | gatgtaaccg  | 3791760 |
| gtaaggttct  | ttttccttga  | gaagcagccg  | aacgatcatc  | gtggcactga  | atatattggc  | 3791820 |
| tatgccggtc  | gcgattgcc   | ctcccagatac | ccccatgtgg  | aaaacaagca  | cgaacagtag  | 3791880 |
| gttgagaaaag | gtgttgataa  | tccctgccat  | gaccagtata  | tacaaaggac  | gacgggtatc  | 3791940 |
| tccgatgctt  | cgtaagatag  | cagctccgaa  | gttgaatacc  | atgataaaaag | gcatggcaag  | 3792000 |
| aaaataaatg  | cggagatatt  | tcacagcttc  | tccaatacc   | tcgggtggag  | ttcccatcca  | 3792060 |
| tgtcaatatc  | ggtcgggcta  | ccagtactcc  | cagtatgagc  | aggaatatac  | cgctgataat  | 3792120 |
| ggcgaccatg  | cctacggtat  | tgatggcatt  | gcataactc   | ttgtgatcct  | gctggccgat  | 3792180 |
| gtgattggaa  | atgatggcac  | atgctcccat  | cgagatacct  | aaaaagagat  | tgataagcag  | 3792240 |
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| tactacggcg  | atatcgattg  | aattgaatag  | ttcttgtagc  | agactgcttg  | ctgctaacgg  | 3792360 |
| taatgcaaaag | aatagtatgt  | tcttgaataa  | cgggccgttc  | agcatatcta  | tttcattgct  | 3792420 |
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| gacaaacaga  | caattggata  | aatctgagac  | gtttttatta  | ctaaatacat  | aaattataca  | 3792600 |
| gatataagat  | tttatataga  | taaaagtgtt  | aaaaaattgt  | ttgtgagata  | tttgttgctt  | 3792660 |
| attttttaggc | aatagttcgt  | taaaaattag  | cccagcctaa  | gcggctctgg  | cagtaaataa  | 3792720 |
| aatgagttct  | ttgaaaagtt  | tgtcaattaa  | ttgcgtgttt  | ggttcaatcc  | cagacacgca  | 3792780 |
| aataaatcgt  | tcaagcatgt  | aagcattgtg  | tatgactgac  | ttgcatgatg  | atatggaata  | 3792840 |
| ttttattccc  | atcttcttac  | aggcagcctt  | ggcgagggtt  | atcgctgcaa  | gtgatgcatt  | 3792900 |
| aaagtggaaat | gccagtttcc  | tgaagtctgt  | agactgacag  | tttgctattc  | cggcatgttg  | 3792960 |
| cttggcaccc  | cgaagcaga   | attcgagttg  | gaaacgtgtt  | ctgtaaaagt  | ccaggacatc  | 3793020 |
| ctgtgcgttc  | tgtatttcgt  | ttgtagagaa  | atacagctgc  | catttgtccg  | ttcttccatc  | 3793080 |
| catgggttac  | catacagcca  | ggctcacaaa  | gcgtttgagt  | gctttggagt  | atgctttcag  | 3793140 |
| tccgtaaagt  | ttacccttgt  | tcactttgta  | ctcggtacat  | cttgtgatgt  | ccagattttc  | 3793200 |
| aaagtcaatt  | ttctcgtcat  | gtaattttgg  | acgtccgcgt  | tttctgttcc  | tattttctaa  | 3793260 |

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| gtacaatggt  | ttgatgaaag | ttgcctttga | aaagaacgca  | tcacacacga  | ctgtgccaga  | 3793380 |
| aatacgtttc  | agctgttcct | gtatgctgat | aaggtaagag  | ctgtaccagt  | caacaagatt  | 3793440 |
| cttctcacag  | ctttccagcg | ttgcgttgtc | aggtgtctgt  | acagagccca  | aagtcataca  | 3793500 |
| ttcatggttg  | tcaacgtcta | taactccaat | accggttatt  | tccagtccac  | gtttgtattc  | 3793560 |
| accggcacia  | ccggaccaga | aatagccaat | ccacggcggt  | ttgctgcctg  | atgttggaat  | 3793620 |
| gaaagacgga  | tcaacggcta | tcgccttgcg | accaccttta  | aggtgttccc  | tgatgatggc  | 3793680 |
| ttcattgaag  | gaaaaccagt | caaagccgtc | gttctcaaaa  | ttgttgcggt  | atgtctgttc  | 3793740 |
| cgagaaacat  | ccataccgtc | ccattttag  | gaaattgatg  | cggtcaggta  | tagccatgaa  | 3793800 |
| taatttcatt  | gcatccatga | atactttctg | aaaagatttg  | cttatattta  | cagctgattc  | 3793860 |
| gagagcgttt  | ctgcactcgg | attggtattg | cataaggagt  | gattcttttag | tcataattaa  | 3793920 |
| aagtggtgaa  | gtacttctaa | tttactaaaa | atcagtgaat  | tatgaaatac  | tttttctgtt  | 3793980 |
| gattttcagc  | tgtttagcat | atctttttca | tcccttttct  | tactccttga  | cgattttattc | 3794040 |
| ttgacagtat  | ttcaatgatc | tcttgaatat | aattttgaac  | cggattatgc  | cgatttctatg | 3794100 |
| tttaatttta  | atztatcggt | aaaaatttac | cgaagtattg  | tttaggtaaa  | cctattttatt | 3794160 |
| gatactatga  | aatccatttg | tctcttattc | ctgttgattc  | ctgcattcac  | atgtgcccgt  | 3794220 |
| tcacagaaat  | atcttgcgaa | tgtagaaaag | aagctggact  | cactgttctc  | gactgaaatt  | 3794280 |
| ccagatacgg  | ccgttttgaa | ggctgtaagg | atagttacgg  | aggacgattc  | actttcttcg  | 3794340 |
| gaagaaactg  | aacattttta | tgcgaaaaag | atttttccat  | ttattgaaaa  | gaaaaaagcg  | 3794400 |
| aatgtgtccc  | atctcatgtt | ggctgtagct | taccggagcc  | gtgccttgac  | ggtatctaaa  | 3794460 |
| tttgagagaga | tagaggatca | ccgtaagtac | atggaaatgg  | cttataacca  | tattcttaaa  | 3794520 |
| gttggtgata  | ccggatatca | ggaactacgg | cagaaggggg  | ccgtatgtta  | cagctatgct  | 3794580 |
| tccatgcagc  | tttttttcgg | cgatatagcc | aaagcccata  | aagtctttta  | tcaggctatt  | 3794640 |
| cgtgctgccg  | aaaagataaa | ggattacaat | aaggtgatgg  | aaagttttta  | tgcttgggt   | 3794700 |
| atctattata  | cacaggtaaa | agatacccaa | cgtctggata  | atatccttgc  | cgacatcagg  | 3794760 |
| gaggtctttc  | ggaaggctga | tggtgatgtt | ccgccaaggg  | cgtactattc  | atggtattcg  | 3794820 |
| gtggctactg  | ctcgttatgc | tcttgacaca | gaccgtccgg  | aaatgagaga  | ttctgcactt  | 3794880 |
| ttatattcca  | gaaaatcgct | agacattgtg | gaaaaatatg  | gtccggaact  | ggaacggggg  | 3794940 |
| actgccaaat  | ttgcgtggaa | ctattataat | catgcactgt  | ttttcatcga  | gaagccttat  | 3795000 |
| gtaaatgaag  | atagtgtctc | ctattatctg | gaaaaagcca  | gacgtgtgcc  | gcagcgtctg  | 3795060 |
| gcgatgcatg  | cccgggaagt | ggagctgaat | gtacgctgtg  | cgtatgctac  | gctttataaa  | 3795120 |
| agtcagggac  | tgatccgaa  | agccatcagg | gtgtttaaag  | atgcgctgcg  | tatgatggat  | 3795180 |
| gccgatacga  | taaacaacgg | tatccgtcag | gagcgtctgg  | atgcttatga  | aaacattgtt  | 3795240 |
| tcgatggatt  | cggctcttgg | taattataag | gaggcgtgg   | cgtatcagca  | aaagataata  | 3795300 |
| gattaccatc  | aaaaggttta | cgacagtga  | cttgcacggc  | agctggacga  | aatctcaact  | 3795360 |
| aaatttggag  | tagagaagaa | aaacctggag | ttgcagaatc  | tgaaagaacg  | agaagaacag  | 3795420 |
| cgtaccgtca  | ttcttcgttt | gcttatcggc | tcgctggtgg  | ctgccgtggt  | aattcttgtg  | 3795480 |
| tttgtagtct  | ggatttatat | actgcatcgt | cgccgcttgc  | aagaccgtct  | ttatcagtct  | 3795540 |
| gctcttgagt  | cggagatgaa | tcttcaggaa | ctggaaaccg  | ttaaatcgca  | atattctgac  | 3795600 |
| ctgaaggata  | gtcttgaatc | cagacaggta | ttacgtaatt  | ttgaagttag  | agtggaaaag  | 3795660 |
| atgaaatcgg  | ttgttacggc | agcccgttta | gatcctgctg  | tacgcgatga  | atatatacag  | 3795720 |
| aagctttcaa  | ctcttaattt | agtagcattt | gaacgtcagt  | ttgcgacttc  | catttctcgg  | 3795780 |
| atgacacaaa  | tggacataaa | gtatattctt | tgctttttatc | ttgattttga  | ggctcgcgat  | 3795840 |
| attgccacga  | tttttagtgt | agagccagcc | agtgtgtata  | cagtacgtta  | tcggttgctg  | 3795900 |
| aagaaattca  | gggacaatcc | ttcttttcag | tttcttatga  | agtgtttttt  | tatggtgaga  | 3795960 |
| caggtatttg  | tctatatttg | tctattttat | tgaagcacag  | attcggctaa  | ttttatttgc  | 3796020 |
| agaagataag  | aacgtcaaca | ttatgcaaaa | cacagaattt  | ctcaattccg  | aactgacaga  | 3796080 |
| gtattctatt  | ttggtgatta | taaaaaaact | gtgtgcggtc  | attgtcgatt  | cggaagcaag  | 3796140 |

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| tgaagaggga  | aaggctatct | tacaatgtta | tcatgttctt | actcatacgg  | atatcagata  | 3796260 |
| tcttttgtgt  | tttgctatcg | gtatggaata | tggggatatc | cagaccttgt  | ttcatataga  | 3796320 |
| aaaaaagacc  | atttattcag | tgcgctatcg | tatccgtaag | aaactgaaaa  | aagcagggag  | 3796380 |
| gagtaatgtg  | gttgctccct | tgaccggata | agagacagat | attccatttg  | ttcattttaa  | 3796440 |
| ataaaaagcct | atgaaaagtt | tggtgtttgt | aatgattgca | ggtttggcct  | cagcggcgat  | 3796500 |
| gttagtatct  | tgtggaggta | atggaagcaa | agcttcagct | tcgggacctt  | ttggagaaat  | 3796560 |
| accctcacta  | gtgagtgtt  | ttgaaacttt | ttcggatgcy | aaacaggctg  | aattgcaaag  | 3796620 |
| tgagggtgag  | gataatatga | agaaaatcct | cgaagagatg | aaagcagcag  | aggaaaagtt  | 3796680 |
| taaggagtca  | atgaatgctg | ctttcgaaaa | agtgaaggc  | aaagagggtg  | taaccgaaat  | 3796740 |
| tgatccggaa  | ctaccgctga | agggtgtcac | tcctatgaag | atagaagata  | tatctgtttc  | 3796800 |
| acgtcatttg  | gttaagctgg | ttggtgaatt | ggaactgacg | gccaccgcaa  | tcggatttga  | 3796860 |
| ttcatacgag  | ccgaccgatg | cattcgaact | ggatgacttg | gtggtattat  | cttacgacaa  | 3796920 |
| taacggtaag  | ccttttgcat | acgacagatt | gtctaaagac | atgggaggcg  | aaccaatgcc  | 3796980 |
| ggctggttcg  | aaagtgcctg | tcgatacgca | tattcatatt | gaaagttata  | atgcggcctc  | 3797040 |
| tatgggatgc  | ttgtctaaaa | tactcattac | tctgaaagga | agcgagctgt  | atgatcaggc  | 3797100 |
| aaaagcggca  | gccgatgctt | tgaaaggaaa | gtaaggtttg | gatattttgta | ttgactcttt  | 3797160 |
| atctgtctgt  | ctttttgtgc | agactgattc | tgggataatt | ggttttataag | aaaagatccc  | 3797220 |
| ggctttcact  | caaacgaagg | ccgggattct | tgttttaaga | gtgttctttc  | tactggtttc  | 3797280 |
| aaggcatatc  | tgtctttaat | gttaaaaaat | gacttcttgt | tttattatga  | acatttgttc  | 3797340 |
| attatatattg | cgggcggaaa | caataaatac | attcatgtca | ccacgtccta  | aaaatatccg  | 3797400 |
| taaaatcaat  | gatatgcctt | ctgtggcagg | atthaagccg | atagcttcaa  | gctattgtcg  | 3797460 |
| taaggatact  | atattccttg | atthtgaaga | gtatgaagcg | atacgactgt  | gtgattatga  | 3797520 |
| aatgaaaacc  | cagcaagaag | cgtctgtttc | aatgggagta | tcacgtccga  | ctcttagccg  | 3797580 |
| gatatatgtc  | agtgcgaagc | aaaagatagc | cacagcattg | gtacgtgggg  | tggcgataat  | 3797640 |
| gatagaaggc  | ggagtatcgt | ataccgatag | tgaatggttc | cgttgtggag  | tatgcggctt  | 3797700 |
| tttattcaat  | aatatcaatc | cggcacttaa | aatccgtaag | atagaatgtc  | cgatgtgcca  | 3797760 |
| ctccaatgac  | ataagcataa | gtaatatata | cattaataaa | agtgaagatta | tgatgaaaat  | 3797820 |
| tgcaattcct  | accagagata | atatggttga | cagccatttt | ggtcactgtg  | agtattatac  | 3797880 |
| aatcttgaca  | gtaggggagc | acaatcaaat | tctgagtagc | gaaactattc  | cttctcctca  | 3797940 |
| gggatgcggg  | tgtaaatcta | atattgcggg | agaattggaa | aatatgggag  | tcagcgctcat | 3798000 |
| gttggcagga  | aatatgggac | aagggtgctt | aaacgtatta | accacccatc  | atatcaagggt | 3798060 |
| gataagagggt | tggtcaggca | atattctcga | tgtggctgct | gagtatttaa  | acgggtactct | 3798120 |
| tactgattcg  | ggagtaagct | gttcactca  | tgaacatcat | catgaatgcc  | atgaatatga  | 3798180 |
| tcataaggag  | tgatgtttga | aaagtaagat | attacttgat | attagtattg  | aaaaggggccc | 3798240 |
| gtttcataat  | gaatgaactt | gagatggcct | ttttctttta | attaatatta  | tgcttaaagt  | 3798300 |
| aacgaagctt  | tcggttttta | cgttgagccc | ttgtagcaaa | taatcgaaat  | tgacgctttt  | 3798360 |
| ataaagaata  | cggttgactt | cttggtttta | ttgctggttt | aatttgctcg  | attaaaccgc  | 3798420 |
| cgcttacagc  | gatatgccta | aaaacaaaaa | agcatcgaca | atcatcagat  | tatcaatgct  | 3798480 |
| ttcttccagt  | cggggtgact | ggattcgaac | cagcgaccac | acgcccccca  | gagctatccg  | 3798540 |
| tttatttcct  | atatttttat | atctaattgt | ttttcagtat | atthtccaac  | gaataagaaa  | 3798600 |
| cggagtattg  | gtattattta | catctgatta | tctatatatt | cggatataaac | gtcagtaatc  | 3798660 |
| cgtagtaaaa  | ataaagtaga | taaatcattg | gtaatccgat | agctatagtc  | caatatatttt | 3798720 |
| tagcaaaaagt | aaaatgtcag | taatttgtgt | cgcttatgaa | atatgcttca  | tttaaaatgt  | 3798780 |
| ggatagccga  | taaatatcac | tataaagaag | gatatgctat | ttgggttagtt | gttcgcaaga  | 3798840 |
| ataacaaacg  | gaaggtaatg | gcgttaggca | tttatgcaga | accgcatcaa  | tggaatgaca  | 3798900 |
| aacttgaaaat | gtttgtcaca | gataagcgtg | tccccaat   | acatccagac  | cgaatatacc  | 3798960 |
| tcaatgaatg  | gttaacgcaa | aagaaatcgg | agatacttcg | cattatagca  | gattttgatg  | 3799020 |

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|             |             |             |             |             |             |         |
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| aaggggaatgt | aaaggaattc  | tttgaaaatc  | taattcaaac  | ttataaagat  | accaatcata  | 3799140 |
| ttggcaatgc  | caattgctat  | agcagaacac  | ttcacgtatt  | agaacttttt  | gatgagaaac  | 3799200 |
| tgctgaacg   | tgttttccct  | gaaatagata  | ttaaataatgt | aaaatctttt  | gatgtgtttt  | 3799260 |
| tacaaaaacg  | tgaatgtaaa  | gggaatactc  | ggaagtctta  | ttttaagact  | ttacgtgcag  | 3799320 |
| tattgaacaa  | ggcaatccaa  | gatggtgaag  | cgtcagaaac  | gacttaccca  | tttggcaagg  | 3799380 |
| gtggttttag  | tatttcagca  | ttggaagaag  | aaacagcaaa  | acgctactta  | ccacacgata  | 3799440 |
| gtatgatgaa  | attaaaaaca  | acagtgatgg  | ataatgctgt  | actcgaacgg  | acacgaagat  | 3799500 |
| tatttctctt  | ttcatattac  | tgttatggta  | tatcgtttat  | agatgcagca  | ttgctaacta  | 3799560 |
| aaaagaatat  | tatccgttat  | aacagtggaa  | attatattgt  | ctataaacgg  | aataaaacaa  | 3799620 |
| aagaagctaa  | gaaagtcaaa  | cctattcaga  | ttaagataac  | tcctgaaatc  | caagagttaa  | 3799680 |
| tggaattggtt | ttcagccaat  | acattgttag  | tagaagatta  | cttggttgcca | atagtttcta  | 3799740 |
| ttgcaggata  | taaaggagag  | caactttata  | atcatattcg  | tagccgtttt  | ggacgtaata  | 3799800 |
| acaagaattt  | gactaactta  | gcgaaagttt  | tggaagattac | agacatgaag  | ctgacaagct  | 3799860 |
| acgttagcag  | gcatacaatg  | gcaatgacct  | tacaggacaa  | tcaagtaccg  | agagagggtta | 3799920 |
| tctcacaaat  | attagggcat  | agtgatttgg  | caacgaccaa  | tacttatttg  | gatagttttg  | 3799980 |
| ccagtagtgt  | aatagacgaa  | gcggtaaaag  | tattataaac  | gaaacagtat  | gttaccaaca  | 3800040 |
| gataaaataa  | aggacttgct  | ttcgcatggc  | gagaataagc  | gagtagaatt  | caaaaaatgt  | 3800100 |
| acggataagg  | tttcggcatc  | tgtgtatgaa  | accgtatgtt  | cttttctgaa  | tgcaagaggga | 3800160 |
| ggatataatct | ttttaggggt  | agatgatgat  | ggcacaatat  | tggaatttaa  | ccctaaatgt  | 3800220 |
| gtaacagata  | tgacccaaaag | cattatcaat  | acgttgaata  | atcctgaaca  | atttcttcca  | 3800280 |
| cctatgccga  | tcaccccgga  | gcgcacagag  | atagacggta  | aagttgttct  | ttatttgaac  | 3800340 |
| gtgccggaga  | gtgaacaggt  | acatagatac  | agaatcgtt   | tctttgaccg  | ttggggggat  | 3800400 |
| gcggacaatg  | atgtgtcaaa  | acatacctat  | ctggttaaga  | atatgttcat  | gcgaaaagag  | 3800460 |
| aaggaatctt  | ccgagaacga  | ggtatttccc  | gatgtgactt  | tggaagatat  | ggatgaagaa  | 3800520 |
| tcgttcaaga  | ttatgcgtag  | ccacatttct  | attcataact  | ccaatcatcc  | gtggttgagt  | 3800580 |
| atgacaaatg  | aagaattcct  | gaaaagtctg  | ttttggggta  | ggcaacgagg  | aacaaacaag  | 3800640 |
| gaaggatata  | agttggctgc  | tattctctta  | tttggcaagg  | aacagactat  | tctgaactgt  | 3800700 |
| tgtccgtggc  | atcgtacgga  | tgccattttac | cgcagcatgt  | cttacgagcg  | tttcttgcat  | 3800760 |
| ccgcttccta  | ccgaccctga  | tattcgttac  | aatgaccggg  | atatgatatg  | cgcaaactctg | 3800820 |
| attcagtcac  | atatccgttt  | gctgaatttc  | gtgcaacgca  | acatgcctga  | taagttccgt  | 3800880 |
| ttagcggata  | atggaataga  | ccgtttggac  | ttacgggtaa  | tgatattcag  | agaggtaatc  | 3800940 |
| tcaaatacac  | ttctacaccg  | tgagtatatc  | agttcatata  | ccaataagtt  | tctcatattc  | 3801000 |
| cgcgaccggg  | ttataacgga  | gaattggacg  | aaacctttcc  | aaacagggga  | tatagatata  | 3801060 |
| aatgattggc  | gcacccgtac  | aaagaatccg  | ctaataacaa  | aggtgttccg  | tgagatgaaa  | 3801120 |
| tggtgctgagg | agcttgggtc  | gggacagaaa  | aatattcgga  | aatatgctcc  | gttatatttt  | 3801180 |
| gaaagtctctg | aaatagagat  | acatagtggg  | gaagagttta  | tcttttctat  | tacctatcgt  | 3801240 |
| gaccctaaag  | agtttgaact  | tgcagaaaat  | atgctaacaa  | gtcgggatca  | agtcggcact  | 3801300 |
| aagttggcac  | taagttggga  | ccaagtcggc  | actaagttag  | cactaagtca  | aaaagaaata  | 3801360 |
| aaaactattt  | tggaatgtg   | ttgttacgaa  | aacactttga  | cacagattat  | cgcttcgctc  | 3801420 |
| aatttttagcg | ataggacgaa  | gtttaagaga  | aaatatataa  | accctttgat  | ttcggaagaa  | 3801480 |
| ctactggcta  | tgaccgttcc  | tgacaaaccc  | aatagccgtt  | ttcagaaata  | ttatactaca  | 3801540 |
| gaaaaaggga  | aatcattact  | actatgccaa  | gacgaaagca  | attgacattc  | aaaatcaaag  | 3801600 |
| acctgagatg  | tgcccagtat  | ctgattgcgg  | agttgtccca  | actccctcag  | ctggcaaact  | 3801660 |
| ttgatatgac  | ttctattgag  | ataagtatta  | aggaaaacag  | acctgccctc  | aaaatcataa  | 3801720 |
| agaaggacat  | agatgtactg  | atagaccgct  | tgcaacgtgg  | attctccgca  | aacaaacata  | 3801780 |
| ctcttaccca  | actgaacgga  | agatatttgg  | tgacaaacac  | tcatttagcc  | aaatggatga  | 3801840 |
| aaaccacccc  | cgcactctga  | aacaaatgga  | taaaagacgg  | gttgataaag  | ccctgccaaag | 3801900 |

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| accacatgt   | atgctttgat | tattttaatg  | tggatgaagt  | aacgaagcaa  | ttacgcaagc  | 3801960 |
| aaaaacaata  | aaatcacatt | tcaatttatc  | atctatatca  | aaagtgccat  | ttgatgccat  | 3802020 |
| tctgaggaca  | gacgctgcc  | aacctctgaa  | tggcattatt  | tgtatgtcct  | cttgtggcag  | 3802080 |
| ctaattgtctt | cttttgtctt | tgtaaatgca  | gatattttatt | cgttttataa  | gctcttcttt  | 3802140 |
| ttgtttttcc  | tttgcacat  | caacgttgag  | atagctgtga  | cgacagctta  | ttgtctaacc  | 3802200 |
| cctaaaatgt  | ttgattatgg | caaatattat  | tgtcgcaaca  | gaggagcaaa  | ttcaagaagc  | 3802260 |
| tgtattcaat  | gcggtttcaa | aattcttttc  | aggaaatcaa  | cagactatgt  | tcagttctga  | 3802320 |
| tttgccctgat | acactaagta | tgcccaatgc  | gctgaaagta  | ttggaagata  | acggattccc  | 3802380 |
| gacttcaaaag | gcaaaattgt | acaaaatgac  | ttcgcaagaa  | caaatacctt  | ttatgaagta  | 3802440 |
| tggaaacaaa  | cttgtctttt | cccgc aaagc | tcttatttag  | tgggcacacc  | agcaactggt  | 3802500 |
| ttcaagcagt  | catgaaaatt | gcgattcggc  | aatcagcatt  | cagaaatggt  | tcaaacgtaa  | 3802560 |
| acgctaaaac  | tatgagtaca | aaagaaacac  | taaagaatga  | aagtccgttt  | gtgcgggtag  | 3802620 |
| gaacaacact  | ttacaagata | gtaagccagc  | cccgaactaa  | tgggggacat  | atcaagaaac  | 3802680 |
| gcacgtatg   | gaacaacgaa | acgctccgtc  | aagattatgg  | taaggattat  | ttagcgggtg  | 3802740 |
| ttcccaaata  | cgatggcttc | tgtaccatcc  | ctgaccatgt  | gaactattgc  | cacgtgatag  | 3802800 |
| acaatttttct | gaatctgtac | gagcctatag  | gacacgaacc  | aaaagaagga  | gattttctccc | 3802860 |
| acattcaggc  | tttgatacgc | cacatctttg  | gggaacagta  | tgagttggga  | atggattatc  | 3802920 |
| tgcaacttct  | ttacttgtag | cctgtacaga  | aactgccgat  | tctgttattg  | gtatcagaag  | 3802980 |
| aacgcaatac  | ggggaagagt | acgtttttga  | acttcctgaa  | agctgtgttc  | cgcaataacg  | 3803040 |
| taaccttttaa | cacgaatgaa | gattttcgt   | gccagttcaa  | tgcggactgg  | gcaggaaagc  | 3803100 |
| tcatcattgt  | agtggatgaa | gtattgctaa  | accgtagggg  | ggattcagag  | cgattgaaga  | 3803160 |
| atctcagtac  | cacattgtct | tacaaagtgg  | aagctaaagg  | taaagaccgt  | gacgagatag  | 3803220 |
| ctttcttttgc | caagttcgt  | ctttgttcca  | ataatgaaag  | tctacctgtt  | atcattgacc  | 3803280 |
| cgggcgaaaac | acgttattgg | gtacggaaga  | ttcatcgcc   | tgaaagtgc   | gatacgaatt  | 3803340 |
| tcttgcaaaa  | attgacatcg | gaaattcctg  | cttttcttta  | cttccttcaa  | catagggaa   | 3803400 |
| tgacaaccag  | acaggaaagc | cgtatgtgg   | tttctccgaa  | gttaaccgag  | actgcggtt   | 3803460 |
| tggtgagaat  | catccggtgc | aaccgtggca  | aacacgaagt  | ggaggtcatg  | gaactgataa  | 3803520 |
| gggaaataat  | ggacaacgtg | ggaactgaca  | gattttcttt  | ttgtttgaat  | gacctgctta  | 3803580 |
| acctgttgaa  | tctttcggga | gtgaaaatcg  | aaaagcatca  | cttgccgcaga | atcattgcag  | 3803640 |
| aaagtggaa   | attgacacct | gcccccaatg  | gactgactta  | taccacctat  | cagtttgatt  | 3803700 |
| ataataagga  | atgcagggtt | gctccagtca  | ggagggtagg  | acgctttttac | accgtcagta  | 3803760 |
| gaacattgct  | ggacgaactt | tgattatatt  | gttgaaattgt | tgaaataagc  | aagtaactta  | 3803820 |
| ttgatgctta  | gcttacaatt | atttcaacaa  | aggctcaaca  | ttcaaaatat  | gctgttgaaa  | 3803880 |
| agaaaaaata  | attgattctc | ttttcgttgg  | catttgttga  | gttgctgttg  | aaaggtacat  | 3803940 |
| ctttgtgtat  | caacttaata | caagatgcgt  | tcaacaattc  | aacagttttt  | actaacaatc  | 3804000 |
| aaatccgtat  | agaaaatgac | aattgaagaa  | gcaagaata   | taaagctgac  | agactatctg  | 3804060 |
| cacagtttgg  | gttatgctcc | tgtcaaacag  | caaggggcaa  | accttttggt  | caaatacccg  | 3804120 |
| tttcgggaag  | aaaacgaagc | atcattcaaa  | gtgaataccg  | aatcaataa   | gtggtatgac  | 3804180 |
| tttggaactgg | gtaaggagg  | caatatcatt  | gcattggctt  | cggaacttta  | ctgttccgtc  | 3804240 |
| catgtgtcgt  | actgtctgca | acggattgca  | gagcagacac  | cgacacatcag | acctgtatct  | 3804300 |
| ttctcttttc  | gggagcaatc | ctctactgca  | cctaattttc  | aacatatgga  | aataaagaga  | 3804360 |
| ctcacttctc  | ccgctctgct | ctcctatctg  | caaggcagg   | gaataaactt  | ggaacttgcg  | 3804420 |
| aaaagagaat  | gttgtgaggt | acacttcgag  | aacaacggta  | agcgttattt  | tgccatcgga  | 3804480 |
| tttcgaaata  | tggctgacgg | ttacgagata  | cgcaaccgat  | acttcaaagg  | ctgcatcgca  | 3804540 |
| ccgaaggaca  | tcacccatgt | ccggcatgaa  | ggcagaagaa  | atgataacctg | tttcgtattc  | 3804600 |
| gaaggattca  | cggactatct | ctcgttcttg  | accataagaa  | tggagaaatg  | tccaacatg   | 3804660 |
| ccgtgtttgg  | actggcaaga | ctatatcata  | ctgaactcgg  | tttccaatct  | ttccaaggcg  | 3804720 |
| attgacgagt  | tagccgtcta | tgagcgcatt  | cattgttttt  | tcgacaatga  | ccgtgtcgga  | 3804780 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| atggaagcct  | gccgaaaact  | gacaaacgag | tactcctatc  | gtgtccgtga  | cgcttcacac  | 3804840 |
| acctataagg  | attgcaagga  | cttgaacgag | tatcttatca  | agcaacgtcc  | tatacaggaa  | 3804900 |
| cagaaaaatg  | tacaagttgc  | accgcctaag | aagtcaaaaag | ggcggagttt  | ataatatcca  | 3804960 |
| catgtattat  | cgctgtactg  | gcggaagccg | tattgtctaa  | tggagcaagg  | ttatggaaat  | 3805020 |
| gtatacattt  | ccgaccttgc  | tttgccggaa | gcaaagacag  | tccgctccc   | ttggtcgcaa  | 3805080 |
| ttaaaaggaa  | atttcaaaat  | gaaaaaagat | aaacaacaac  | cacaaccgac  | caagcgtaac  | 3805140 |
| aagatgcgtg  | tggtcagtgc  | aagatttaca | gatattgaat  | accaagcggg  | agaaaaacgc  | 3805200 |
| agaaaagatg  | caggcgtttc  | actcagtagg | ttcgtccgct  | ccgtagtgtc  | aacgggtaaa  | 3805260 |
| gtagtacagc  | gcatcagcaa  | ggcggatgcg | gacatactcc  | gtaaattggc  | aggggaagcc  | 3805320 |
| aacaacatca  | atcaacttgc  | ccataaagcc | aatgccggag  | gatttgcggg  | agtagcagtc  | 3805380 |
| gaacttatgt  | tactgaagaa  | aaagattgtt | caaatcataa  | agctgttgtc  | cgatgattgg  | 3805440 |
| aaaaataagt  | aaaggagcag  | gattcagagg | ctgtgtcaat  | tatgtattag  | gcaagcccga  | 3805500 |
| tgcaaaaacta | ctgacggcgg  | aaggagtgtc | gacagacagc  | attcagacaa  | taacggattg  | 3805560 |
| ttttcagtcc  | caaagaatga  | tgaaccaca  | tatccgccaa  | cctgtaggac  | atatatcact  | 3805620 |
| cagctatgca  | cccgaagacg  | ctccgagaat | gacggatgaa  | atgttgggtc  | gtttggcaaa  | 3805680 |
| ggagtacatg  | cagaaaatgg  | gaatcaaaga | taccagtat   | atcattgtct  | ggcacaatga  | 3805740 |
| ccaaaagcat  | ccgcacgttc  | atattgtttt | caatcgtgtg  | gataacaacg  | gacgcaccat  | 3805800 |
| cagcgacaag  | aacgactgtt  | atcggaatgt | caaggctctg  | aaggagtga   | aagaaaagta  | 3805860 |
| tgggctttat  | tttggtaaag  | gcaaaaacag | ggtacggact  | caccgcttga  | aaggaaacga  | 3805920 |
| taaaacgaaa  | tatgaaat    | accatgtgt  | taagaactca  | ttaagcaaat  | ccagtattg   | 3805980 |
| gaagcagttc  | atatcggaat  | tatccaggca | aggaataata  | acggagtcca  | aatatagagg  | 3806040 |
| caggagcaat  | gttatacaag  | gcttgtcttt | cgccaaagac  | ggtgttacgt  | tcaaggcttc  | 3806100 |
| ggatattgac  | aggaatttca  | gctactccaa | gttggacaga  | atgttgggag  | aaaccaacag  | 3806160 |
| ccaataccaa  | cagaatattg  | gaatggcaac | caacaataga  | caacctgcaa  | tacagcatga  | 3806220 |
| gaatacttat  | acctcaagca  | gccatatagc | ggaaagcatt  | gtcggagcgt  | tgggaggatt  | 3806280 |
| attcaaccct  | gctcctaatt  | atgtgatga  | aaatgcggaa  | gcagcctttc  | aacggaaatt  | 3806340 |
| gaaaaagaag  | aaaaagagaa  | gaataagctg | gtaataacaa  | aaaagatacg  | aaaatgaaag  | 3806400 |
| aaatgaaaaa  | cagcgatttt  | atccacacgc | tggatgcagt  | atataacctc  | tgttccgaaa  | 3806460 |
| tcaaagaatt  | gctaaatgta  | gaaacggaga | aacaagaaga  | tgagggtagt  | gaaggatttg  | 3806520 |
| tcttactttc  | agacaacctg  | caacggcttc | aatcggaat   | aacggaaatg  | aaaaccgaac  | 3806580 |
| tatcttctga  | cagagaagga  | cgggaaagac | ttcgtaccgc  | tataaatttg  | cggttaaaag  | 3806640 |
| aagtcaaaga  | agtatatcca  | gttctgagta | caaccaacgg  | aaaaatattt  | gccgagcaag  | 3806700 |
| aacgaatcag  | caatgaattg  | caacggcttc | gaagcctgaa  | agtccaaaat  | aaccatacac  | 3806760 |
| acgttattga  | cttcaagact  | tctcgacctt | ttctatggca  | gactgtcatg  | actatgataa  | 3806820 |
| ttctgtttct  | tttggtcggc  | aatgcctatc | agttcaagca  | gaatctgaat  | ttgtcggata  | 3806880 |
| atgacttgaa  | gtaccgcctt  | atcaaaatgt | atggtggtat  | ttcgggcaat  | gaattggata  | 3806940 |
| cgctggaagt  | ggtgttccat  | cgtgacaggg | ataaaaccgt  | cattaggaat  | attcgtaatg  | 3807000 |
| aagtagaaga  | ttttgagtac  | cgcatacgtg | taagggtgta  | gaaattggaa  | cgagcaagat  | 3807060 |
| tattacaaca  | ggaagcagaa  | gccctgagat | aattattgcc  | ccaacaatt   | cgtttgagtt  | 3807120 |
| gttggggaca  | ataattatct  | cttaatcca  | ccatcctaac  | agatgatatt  | ctaaaaacct  | 3807180 |
| aaaaaacaaa  | caatatgctt  | tacggaaacg | gacttcatgc  | tcgctatcaa  | tttcatacct  | 3807240 |
| gcccgagcat  | ttatgatata  | cacggaagcg | atgtttgttt  | ctcatattca  | cataagggat  | 3807300 |
| gggagtttca  | gaattttcgt  | ccatgataat | atacaaaagt  | tttgtagcaa  | ttcgcatacg  | 3807360 |
| gctaatatca  | tgttccgcac  | gagctaaatg | accaaagtcc  | tcccagtaga  | aaataatcca  | 3807420 |
| ttctaatttg  | aatttcaata  | gatttaagaa | ataatgataa  | tcgtagtccg  | aatttctcatt | 3807480 |
| catgaacatt  | gccc aaatct | gtaagcggtc | tttccattatg | cccttttgat  | acgctttcca  | 3807540 |
| ttctttttca  | gagagtcctt  | tgcgaagtat | gaaatgaaat  | tgctctgacc  | aagtttcatc  | 3807600 |
| atccattggg  | ttcactttct  | tctgatataa | tggatttttc  | cgcattggatt | cttccatatt  | 3807660 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| ttgcacttct  | ttccttttga  | cttgtgcca   | atcttgaaaa  | taggattgag | catctgtata  | 3807720 |
| tttctttttc  | atttgcattg  | gagattactg  | tttattgtat  | aatgaactca | ttttctccac  | 3807780 |
| agattgaatc  | atttcttccc  | gaaaagttaa  | aggagcaagc  | acctccacat | ccgcccctct  | 3807840 |
| tgaagtaat   | tcctgtcggg  | agtctaaggt  | tgttttcata  | cggtagtcaa | agatagaata  | 3807900 |
| atcttccgtt  | gtctcaattt  | cgtattggga  | atgggtgcaa  | ggcaaagcac | gaatatactg  | 3807960 |
| tacatgcatc  | ccatagactt  | taatccgaat  | cgttttctagt | ttcttgtttt | caatcataat  | 3808020 |
| gccgaaatag  | tctgcaaagt  | aggcttccgg  | ggcaaaatct  | ttaggataaa | caaacttcgt  | 3808080 |
| gtctaaagta  | gtcagttgct  | gtattctatc  | caaagaaaag  | gtacggatat | tattccgttc  | 3808140 |
| tttgacagaaa | ccaatgacat  | accatctttg  | cttaaatact  | ttgatgcaat | aagggttgag  | 3808200 |
| cgtataggta  | cttagttcct  | cataccaata  | gctttgataa  | tataattcta | tttctaagcc  | 3808260 |
| gtcacgcatg  | gcttcaataa  | cagacgtgag  | atattttctg  | ccggaaggaa | tctcttcaaa  | 3808320 |
| cagaatcctg  | cgtttcaaat  | gatggctttc  | gtttatcagg  | ttattgaccg | caaacgtatt  | 3808380 |
| aagtaaccag  | ttgacggacac | ctcccttttg  | catatcatcc  | gcattctcaa | tatagtagta  | 3808440 |
| ataacctccc  | tttcggttgc  | agttgatatt  | tatatcaaac  | acttggttca | tggctatacg  | 3808500 |
| ccagttatga  | aaagtcctta  | atggaatatc  | ttccccttca  | ctcaatcgtg | aacgaagcca  | 3808560 |
| acgctcggtt  | atttctctca  | acgtgatttt  | tccggctctg  | tagatagtat | ctaccaacca  | 3808620 |
| gatgtatttg  | tcgaataaat  | cttttgatcat | actattcctt  | tttgtaggtt | ccttctacaa  | 3808680 |
| aatcagctat  | ttgaacagtt  | tttcaagatg  | ctcttgaatc  | atttcttcca | tttctccgta  | 3808740 |
| ataagtgatt  | tcccaaagca  | atccggcggg  | cagttcttgt  | ggtctgatta | ctatatcata  | 3808800 |
| ttcaatgata  | atcctcatgc  | ctaataattc  | cgaccattta  | ggatatgttg | ccataggctg  | 3808860 |
| acaaatttca  | tccctatttt  | tatcgtagat  | ggaacaattc  | atatcaatca | aaggcgagca  | 3808920 |
| tccttcccag  | cgggatgccg  | gatagatgca  | atactttgac  | tctgacggtt | caagcaactg  | 3808980 |
| aagatactga  | tacacttttc  | gataagcttc  | ccaatctatc  | ttcagaaacg | atttgggtgc  | 3809040 |
| attcctttga  | tacaagcttt  | tgaaatcact  | taaaatatca  | tcaaaacaga | aacgtgtaag  | 3809100 |
| caaatactta  | aagggtcaaat | gttccatata  | aacatccatt  | aatccattac | gcttggtcata | 3809160 |
| cgtaatttcc  | caaagtaagc  | ctgctgtcaa  | ttcttctaata | gaaagcacia | tattgtctatt | 3809220 |
| gatgatgatt  | tccatgccta  | aaatctctga  | caaataggga  | tagctaccta | ttcctcgata  | 3809280 |
| gtcgtaatca  | tttcttctct  | cataatataa  | gcaacaattc  | aaacctataa | attgcaactc  | 3809340 |
| atcccaacgt  | tcacttattt  | gaatggcata  | cttagattta  | ccttcttttt | ctttacggat  | 3809400 |
| ttgtaagtct  | tgatatacat  | cccagataaat | atcccaatct  | gtttgctcaa | acaagtcagg  | 3809460 |
| tcttatcttc  | cgatataagg  | ctttaaattc  | aggtaagatg  | tcatcaaaac | tgaatcgagt  | 3809520 |
| aagcaaagat  | ttgaatgtca  | gttggttccat | aatgcaaagt  | tttgagtctg | ataatgcaaa  | 3809580 |
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| ataagcattc  | ctgtgcttct  | gtttggcata  | agacaaactt  | atttttgcta | catcattaaa  | 3809700 |
| caaataatac  | gattatggat  | ttatatgcag  | aagatttggt  | agactacatc | tatcaagaaa  | 3809760 |
| atgatgtgaa  | caagaaacgg  | acattgctgc  | tggaagtggg  | agcggaatc  | aagaagctca  | 3809820 |
| tgggcgaaca  | ggaaaagggg  | agccttgatt  | tgaggcatat  | cggcgagta  | cagatagaaa  | 3809880 |
| agatacaaga  | tttgatagat  | acacggagct  | tgattctcaa  | ccggatgttt | caagccactt  | 3809940 |
| cgcaggaaat  | ccaacgtttt  | gaatcagtaa  | acgaattgct  | ggatagtttg | accaagaaaa  | 3810000 |
| tgtatcatcg  | catggcaaac  | ctctatcgta  | cattgattga  | cagcccaaaa | gataaatctt  | 3810060 |
| ttgatgacga  | ttatgtgggt  | tccggtagcg  | tgaaatatgt  | atataatgac | gaggattcca  | 3810120 |
| tattgatttt  | accggaagat  | ggttattatg  | gttccgactt  | tgcttatatg | attgaattga  | 3810180 |
| tttactattt  | gcttgaggat  | tacaacggag  | gagttccgga  | aatcgaagaa | tgctcctgta  | 3810240 |
| attactcgcc  | tcaaaacact  | tccgatatga  | cagatgagca  | gttgcaatgt | gtggatgtat  | 3810300 |
| gggatgatgg  | agtgacatgg  | gcagaaggac  | atttacgccg  | tccggaactg | aagcatatta  | 3810360 |
| tcgtatgtca  | tgccgtacac  | gacatttgca  | cgcataagcc  | ttattccatt | ccggacttat  | 3810420 |
| tgcggttaaa  | tgatttttgg  | gtagaagccc  | atctggtatg  | tcagcatatc | atagacaaaa  | 3810480 |
| acggaaaagcg | ttataactcg  | gattaatcat  | ttgttttgca  | aagtgcctga | aagggtggaga | 3810540 |

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|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| cattgccaaa  | ctttgtgctc  | cacctttcct  | cgcatagtcc  | tccttttagaa | tgcacatgac  | 3810600 |
| cgaaaagatg  | atatttcggc  | tggcgttcta  | agatggtttg  | tttcaatatc  | tactgccccg  | 3810660 |
| taccttcac   | caatatgcct  | ttcgggggaa  | tgtgagtaat  | caaaaaatcc  | gttttattag  | 3810720 |
| gcaaccacaca | ttcccctcct  | aaccattgca  | tttgcgtgaat | catttttgctg | gaaatggcat  | 3810780 |
| agaaagtaat  | gccgtcatat  | tctataccgc  | aatcttcaag  | caaagttaca  | tttgcaggta  | 3810840 |
| tcaatcggcg  | ggcttcttcc  | agacaaaggt  | cgaaaatgat  | ttcgtgattg  | cccggcacaa  | 3810900 |
| ataagcgaag  | ctgtgccgga  | caggaagaaa  | accagtcaaa  | gaaatcactc  | aactcgtttt  | 3810960 |
| cttgaaaatc  | cgatacgaca  | tcccctgcgc  | aaatcaaaat  | atctgtatct  | tgggggatgt  | 3811020 |
| ttaattttcg  | gtgcataccg  | tgcgtgtccg  | aaaatgcaaa  | caaagtgttt  | cctttataat  | 3811080 |
| tcaatctcat  | tcgtatttct  | tctgtctttg  | acgaagtttc  | ttccaaaact  | cccgtcttct  | 3811140 |
| ccgaacgatt  | tcttctgttt  | cttcccaatg  | tgaataagtc  | atctcggaga  | agcaagcaca  | 3811200 |
| aaacacgtct  | gcccaagtca  | cttgtggaag  | catcatccat  | ccttcctttt  | cccttatctc  | 3811260 |
| aacaggcata  | tccaatgtct  | cgctccaagg  | agtggaattc  | ataagaacat  | cttcaaggcc  | 3811320 |
| ttggtggaca  | tatttctttt  | cgcgatggct  | ataaagccaa  | taataggat   | aacctccttc  | 3811380 |
| acaaacgata  | cgggtcaatgc | cggatatagca | gaaatccttc  | cgcgaacgca  | tatcgtcaaa  | 3811440 |
| cgctgattta  | tactgttcca  | aagaatggca  | ttttataatg  | ggatatcctc  | cttctttcat  | 3811500 |
| tttggctttc  | actccactcc  | aatccatgca  | acgcatataa  | taagagagtg  | gaagaaaaaac | 3811560 |
| aggttcaagt  | ggggtttccg  | tgatacgctc  | gcactcttcc  | cctttattgc  | ttttcagtaa  | 3811620 |
| aataataaaga | gaagcaatct  | gattagagtt  | ttgagtattc  | ttcatgcaaa  | ctttggctaa  | 3811680 |
| tgccgaatat  | cgcggatgcc  | aatccaaacg  | acgcaatgga  | ttatctgaac  | aatcaagctg  | 3811740 |
| tgtaaaggcag | tagtttttcc  | ggatattcaa  | tgctcgtagt  | ttatttccac  | ggcaaaccac  | 3811800 |
| acgttccaac  | cttggatttt  | gagaaacatc  | caagtgtctc  | aacgcttgat  | taacacaata  | 3811860 |
| caagtctatt  | aatatcggac  | attgcgttac  | atccaacgct  | ttcagtgtgc  | atgtctcgca  | 3811920 |
| agcgtaaatgg | aaagagggtga | tagtatgagt  | ttcatcactt  | ctcaagcata  | tgtgccattc  | 3811980 |
| tcccggctct  | gcatacgtat  | gctccgcacg  | gacttcctcc  | cctttttcat  | tgttcatctc  | 3812040 |
| ttctacctgc  | ccatcacccc  | aatctatcgt  | gaacaggcaa  | tcaccgtagc  | ttatgaacga  | 3812100 |
| gaaactgtac  | gcagattgtg  | gcttatttat  | agctacagtc  | atccgtatct  | cgtctttttg  | 3812160 |
| tgcgaacaga  | atcttcttca  | agcggcggaa  | tgaacggcgg  | acggacaaga  | tttcgttttt  | 3812220 |
| ctcctcctct  | gaatcgtgct  | catagatttt  | tctgtcaata  | atttcacgat  | agcattcaaa  | 3812280 |
| tgccttccat  | aaatccttct  | gcgtgccgat  | gccctgtcta  | tacatccgcc  | ccatattaca  | 3812340 |
| ataacttccc  | gcctcttcgt  | aataatggaa  | cgctttttca  | gcatcggggg  | cagtaccctc  | 3812400 |
| accccgttca  | tacatttgct  | ccatcatgcg  | aggatattcg  | ccaagctgat  | aacatttcaa  | 3812460 |
| ggctgtctca  | tattcttggc  | gtttgtaatg  | aatgtctccg  | gccaacatg   | ctatcaattt  | 3812520 |
| accgacttgc  | atccctatct  | tagtcaacat  | gtccaacgct  | tcctgattgc  | ctttttctgc  | 3812580 |
| taaactcggac | agcaagcgtg  | tagcatctgt  | tccactatac  | tcagtcttct  | tttcacattc  | 3812640 |
| cgtttcataa  | tccaataaca  | gtaagaacca  | gtccgtatgg  | agtaactcat  | tttgcgtgag  | 3812700 |
| atgaaggaca  | tccggtgctc  | tgtccgggaa  | acggaaatga  | atcatccaca  | tgtgaagcaa  | 3812760 |
| atcatttgca  | gcatccctgt  | caccctcctt  | tgcaagatat  | accaacatct  | gcatggtgtc  | 3812820 |
| atttttctca  | tcacggtggg  | ctgttcgaga  | atgcagcaga  | ttgtaaactg  | aagtagaatt  | 3812880 |
| agtagcacct  | aaccactctc  | cgttttcaga  | tgtctttaca  | aaataagaca  | acgatttggtg | 3812940 |
| taagtctgtg  | tgcaaggtaa  | atgtagggtga | ctgttttgatt | gttctcatcc  | aagtatccca  | 3813000 |
| acttccgggg  | aaatacaatt  | caccaagtgc  | agccattgct  | ttggcatacc  | cttgtttggc  | 3813060 |
| tgttcttca   | taccagtaga  | ctactttttc  | tatgcctgta  | tagtcttttt  | tgtccatcat  | 3813120 |
| ggcatcaaaa  | agcagttgcc  | ctaattgata  | ttgtgcattt  | ggattacctt  | cttgcgcaat  | 3813180 |
| aggttcaagc  | aactttacgg  | cttcttcaga  | gtgtccatta  | cgtgcccaatt | tcttcaattg  | 3813240 |
| cttttgcagg  | cgtttgctta  | ccactttggg  | gcttttttcc  | atgtccttcc  | gatttttagt  | 3813300 |
| tgtacaatat  | gaaaaacaaa  | acctcatctt  | tccatccatt  | tcaatgcaaa  | gatgaggtca  | 3813360 |
| agttatgcc   | aagtgttca   | caagttattc  | tttcttcaat  | agtttgtcga  | tgttttcttt  | 3813420 |



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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
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| gggcatatat  | cctggatgat | gggtcaaata | cgccaatttg  | acaccttcaa  | tttgtaattt  | 3813540 |
| ttccacatca  | tttgtggata | gatcagaaat | agcaactggc  | tcacctatga  | tattaaagtt  | 3813600 |
| ctctttgata  | tagccacaat | actttgtttc | tttgggtcca  | gtaaggaata  | tgacaatatc  | 3813660 |
| aggctcfaat  | atttcaattt | ctttcggaat | aacatgaaaa  | catttctttt  | caatgctatg  | 3813720 |
| ctcaaacgca  | ttgacagctt | cccctccttc | tccttttcgt  | ttagatagtt  | tggaaatctc  | 3813780 |
| attccatatt  | aatgaaactc | gtttgtcggg | gaaatccttt  | aataactccc  | taataacctga | 3813840 |
| cattattcca  | ttaacgcca  | aaaggaggaa | tctattttcta | tgggtctattt | tctctttata  | 3813900 |
| aaaatgtgca  | tctacagcat | tataattatc | atcgagataa  | tcttcatatg  | tagccataac  | 3813960 |
| cttgccatca  | tcggctgggt | cttcaccttt | ttcatcatat  | ctcaccacc   | aattgggttc  | 3814020 |
| cctcccaaag  | aacataattt | ttatgtctgc | tttgggtatac | cactcttcat  | gctcagcatc  | 3814080 |
| tgctttcttt  | gtataccaat | taatatctgc | ttcttgtgct  | ttttctcggt  | cttccttttc  | 3814140 |
| ttgccagaa   | cgatacaaag | aaatcaagaa | cggacattgc  | agtttgtctc  | gtaaccatt   | 3814200 |
| ggcttccagt  | tggtccatta | atccgttcca | cttactttcg  | taaagttcgg  | tcaattgctc  | 3814260 |
| tgataatgtt  | tccataaacg | tatattttaa | agtggatgaa  | ttttaaaaca  | aatatagcga  | 3814320 |
| attctctcaa  | gaaaactttc | attttcaatg | agaaatgcaa  | tatctgttgc  | tgcaaagtcc  | 3814380 |
| tgtcaaggat  | atgtaacatc | aaagcataag | atgagaaaaa  | attgcagtaa  | tgctttacat  | 3814440 |
| tggtcatcact | tccattcatc | tttgcgaaa  | aaaggatgag  | aatatgggaa  | atagattttc  | 3814500 |
| gatagaagaa  | ctgacatgcc | tgcatttgtt | gcggtgtcac  | tatgctgata  | tatgcggtaa  | 3814560 |
| agaggaacgg  | gaattacgag | aaacaatcgc | ccttcacccg  | gcaaccttcg  | caaaagcaaa  | 3814620 |
| gatgatattg  | gagaaagaaa | aagaagcgaa | catttgcatt  | atcccttatt  | atgcagacga  | 3814680 |
| ttatccagtt  | tcatttgcct | aaattggcgt | agaagcacct  | gcgttaattc  | atctattggg  | 3814740 |
| aaataaggag  | ttactttata | acgaaaattc | cattgccatc  | attggctcac  | gaaacactga  | 3814800 |
| tgatgtcggg  | tgtaatatag | cctatcaatt | ggcaagagac  | aatgccttga  | aagaaaatgt  | 3814860 |
| catagtgaac  | ggattggcat | tgggatgtga | cagtgcgcgt  | catcaaggat  | gtatagatgc  | 3814920 |
| caatggaaaa  | actattgcag | tagttgcatc | cggtttgaat  | atcgctccacc | ctaaagcaaa  | 3814980 |
| cgaattcttg  | cagcaagaaa | ttatcgacaa | ggcggtttta  | atcatctctg  | aacaaccctt  | 3815040 |
| tggcgtgaaa  | gccaatcctg | cacggctgta | tgcccgaac   | cgactgcaag  | cagccttagc  | 3815100 |
| acaaaaagtc  | attgtcgttc | aatgcgcagt | ggaaagcggc  | acgatgaata  | cggatatattt | 3815160 |
| tgcacacaaa  | tatggatgca | aggtttatgc | cgtagcatatc | gggtcaatac  | atgagcataa  | 3815220 |
| tgccgggaat  | gagtatatct | tcaaaaatgg | gataagattt  | cctatcaaat  | tatagaagtt  | 3815280 |
| atgcactaat  | atggcatatc | acaggcttta | ttttgtaacc  | ggaaacttta  | aaacagagca  | 3815340 |
| atcatgacgg  | tgaaagaatt | aatcatggaa | gtaggatttg  | acgacttgct  | tccttacttg  | 3815400 |
| aaagaaataa  | tagtcgggca | ttttgacaat | atctatgcct  | ttcgggaagc  | atagcatatt  | 3815460 |
| cttcgggata  | tgacgcctaa | tcctgagttc | gttggaaaag  | tttggataga  | gcaagaagag  | 3815520 |
| gattggataa  | gcatacagtc | tttagacgcg | gatttttggg  | agaatgaatt  | ggctaaagag  | 3815580 |
| cttggtttgc  | cccaaatac  | tactctaagc | aaagagaaaa  | tagccgcgca  | ttgtatatac  | 3815640 |
| gatattacct  | tttatggttt | ttctccagca | gaaagaattg  | agaatttttg  | gaaaagtcatt | 3815700 |
| gctcccatgc  | aaagcaaaat | ggaacgaagg | aagtccatca  | tacaagaact  | tactgtgtct  | 3815760 |
| ggaagcagtt  | tcacgtacaa | agatttggct | tatctattgc  | aagtggagta  | cggtagacga  | 3815820 |
| tatgattatc  | attccattac | caacgggcaa | ggaaatcgat  | tagcctatat  | tgctgattcc  | 3815880 |
| atgaccaa    | accagcaact | tgacctaagt | cgatacaata  | atgctgtggt  | ctgcattcgt  | 3815940 |
| gtttctgctc  | aatacccgtt | aaccaacaag | gaactggacg  | attttaagtg  | taatgtccgc  | 3816000 |
| tcatggctga  | attatgaaga | cattcaattg | ggcattataa  | caaaagatag  | tgattgtaaa  | 3816060 |
| gaagcaacga  | ccacattgct | attgaacaag | cataaaaaata | aagcatagca  | aaggggaaggc | 3816120 |
| ttgcagttca  | ttcgagtaaa | cagatgaaaa | taagaacaag  | tcaaaacaaa  | ttattttctt  | 3816180 |
| cattatttta  | tgttgatag  | catttattct | ccatcccaac  | cgtcagtaat  | ccgtcagtat  | 3816240 |
| ataaaaagtaa | aaaggagcta | agtcaacgac | ttaactcctt  | cattttcacc  | agtcgggggtg | 3816300 |

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|            |             |            |             |             |             |         |
|------------|-------------|------------|-------------|-------------|-------------|---------|
| actggattcg | aaccagcgac  | cacacgcccc | ccagacgcgt  | actctaaccg  | ggctgagcta  | 3816360 |
| caccccgaat | tgcggatgca  | aaggtaaggc | tttattttta  | actagcaa    | tatttgggat  | 3816420 |
| agttttttct | acttttttaa  | ggaagcacgt | tgacagcaaaa | tgacagcttg  | ggcgggttatg | 3816480 |
| gttgaaaaca | aaagagatag  | acttttgtct | cagtattacc  | tgaacatga   | ctgttcctgc  | 3816540 |
| aacggctccg | gctgtttatc  | ccattgtttc | gctatagaaa  | tcaaacatat  | catagatctc  | 3816600 |
| atcctgtgta | gcagtttggg  | tgatatgaac | atcaccgatt  | tctcccagca  | gggtaaagtt  | 3816660 |
| gacgttacc  | agcgaagcat  | ttttcttgct | gtgcttcattg | aactcatata  | aacggctcgt  | 3816720 |
| atctttacag | ctgaaatcca  | gtttcccgt  | atgttctttg  | atgaactgta  | tggtttggcg  | 3816780 |
| cagtttgtct | ttcggaaaac  | ctactttcag | atgagaataa  | tacagttcac  | agaccattcc  | 3816840 |
| ccaggctact | gcatacccg   | gcaatacagg | atgttctgtt  | tgcagggcaa  | aactctcgaa  | 3816900 |
| tgcatgccct | atgggtatgg  | cgaagttcag | tgcttgcgg   | attccttttt  | caaacggatc  | 3816960 |
| ttgttccaca | accttttctt  | ttacttgaat | ggaagtattc  | accagttttt  | gcaaatgctt  | 3817020 |
| gtagtctaca | tggtccagat  | tgaatttgag | aagttcactc  | cagtgtctta  | cattactgat  | 3817080 |
| aagtccgtgt | ttcagcattt  | ctgcataatc | cgacaaaata  | ttgggatgat  | cgaggggtttt | 3817140 |
| cagaaactca | cagtctatca  | gtacatagtt | ggccggagca  | aaggctccga  | tttcattttt  | 3817200 |
| caatccattg | aagttgatac  | ctgtcttacc | gcctaccgaa  | gcattctacca | tagccagcag  | 3817260 |
| ggtagtcgga | atattaatca  | tatcgatacc | ccgtttgaaa  | gtagccgcag  | cgaagccacc  | 3817320 |
| caagtccgta | accatgccgc  | caccaagatt | aatcagcaat  | gaatggcggg  | tacctccctt  | 3817380 |
| gctgtcag   | tgattccata  | cataagcaag | ggtttccaga  | tttttatgta  | tattctctac  | 3817440 |
| tccgatacat | atctgttcgg  | catgagctaa | aaacggatat  | ttttcaataa  | tgggaaggca  | 3817500 |
| atacatgcgg | gtatgttcat  | cggtcaggat | gaacacttta  | tcgtaggatt  | ggctggaaac  | 3817560 |
| tgcatgacgc | agattttctt  | ccagctcatg | acaaatgaca  | acttcttggt  | tgctcataaa  | 3817620 |
| tcttttggtt | ttcctgcaaa  | aataagaaaa | aagtaaaaag  | tacatgcccg  | tacgttgaca  | 3817680 |
| attaattatt | tttgtacagt  | atttaccat  | aaattgattt  | gtttatgaaa  | ggaatattac  | 3817740 |
| ccgttgctgt | tagatatgca  | ggctatgctt | tacttatctt  | atctgttttt  | gtacctttac  | 3817800 |
| tgatgtacat | gtttggactt  | gtacacgatg | gtaatttggt  | gtatgtcaag  | ctatgtataa  | 3817860 |
| agcttggtat | ctggatttca  | ctattcatga | tctttttggc  | aaaggctaag  | gaagagaacg  | 3817920 |
| aagaaatagc | cagtattcgc  | agtaaggcga | tgaagtatgc  | cttatacttg  | tggggaatat  | 3817980 |
| actatattgt | tatgctggta  | aagggaacca | ttaatcagga  | tgtgcagtct  | gccgataatt  | 3818040 |
| ctgtcgggat | cgtatatatg  | attatcaatg | tactttgctg  | ggagtttttc  | ttgcagaagc  | 3818100 |
| atcgtattga | aaaggctttt  | agaagaaaat | aacccttaaa  | aaaggttttg  | caattaaacc  | 3818160 |
| tttaaaatat | ttcaatgtca  | aaccaacgtt | gaaacatttg  | tattagattg  | taagaatgaa  | 3818220 |
| aaaatgggtg | atgggggttg  | tactgatata | ctgtggggga  | gtcgcttttg  | cacaaagcag  | 3818280 |
| aggtagcaaa | ggtttgggtt  | cggaactgt  | catcgataat  | gatgacaatt  | ctccggttat  | 3818340 |
| gcaggcaacg | gtgcagatac  | ttgctgtgcg | ggatagttca  | atggttacgg  | gggatgtgac  | 3818400 |
| aaataatgac | ggacgttttg  | ctttatctgt | gcgtccggga  | aagtatttgt  | tgaagtatc   | 3818460 |
| ttttgtaggg | tatgcacctg  | catttcaacc | ggtaacgctg  | acacagtcaa  | agccacgtat  | 3818520 |
| caatttgggt | acgattaaac  | tgcattcgga | tgcgattatg  | ctggaagggtg | cggttgtagt  | 3818580 |
| agctcaggcg | ccggagggtta | cggcttcgga | agatacgtg   | gtatataata  | gctcagccta  | 3818640 |
| tcgtgtgcca | gagggatcgg  | cactggagga | actcgtaaaa  | aaattgccag  | gagctgaaat  | 3818700 |
| tgatgaaagt | gggaaaatta  | ccatcaacgg | caaggaaatc  | aataagatta  | tgattgacgg  | 3818760 |
| taaagagttc | tttgccgacg  | atccgaatat | cgcaatgaag  | aacttgccgg  | tgaatatcat  | 3818820 |
| tgataagata | cgtgcttacg  | aaaagcagtc | ggatatggcc  | cggatgacgg  | gaatagacga  | 3818880 |
| tggagaggag | gaaacggtac  | tcgacctgac | tgtcaagcct  | ggatgaaca   | aaggatgggt  | 3818940 |
| aggtaatgta | gacttggcgg  | ctggaacaaa | agatcggttac | agtggaaagg  | ctatgataaa  | 3819000 |
| ttattttcaa | gggaaaagac  | agtttactgc | tattggttct  | ttaaataatg  | taaagcagaa  | 3819060 |
| tagcttccct | ggtgggtggg  | gtggctttcg | caaaggagat  | aacgggctga  | cggctgtaaa  | 3819120 |
| gatgggtgga | gtgaatttcg  | ctactgaaac | atcgaagttg  | aaaaccgaag  | gaagtgtgaa  | 3819180 |

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|            |             |             |            |             |             |         |
|------------|-------------|-------------|------------|-------------|-------------|---------|
| attcaattat | aaggatggag  | atataatcag  | caagcaagct | tctgaaacgt  | ttgtatcgtc  | 3819240 |
| ggagagcagt | tcattcaaga  | atgcgattga  | tcattctcgt | aataaaacga  | ctaactgtt   | 3819300 |
| ggccgatgct | ttcatcgaat  | ggaaaccgga  | tactatgact | acttttatct  | tccgtccgcg  | 3819360 |
| tatcagttat | ggtaagacgg  | ataattctac  | cagtcaaaat | tcgtatacct  | tcggacagga  | 3819420 |
| tcctggctat | tctacggatg  | aattgtttgg  | aacggatgat | ctgacctcgt  | tgggtcccga  | 3819480 |
| agaaaatatt | gtgaatacgg  | ttttgaaaaa  | taccttgaaa | aaggagatg   | atcttacggc  | 3819540 |
| tggaggttct | gcaatgatta  | atcgccgttt  | gggaaaggct | ggccgaaata  | taaccttccg  | 3819600 |
| tggcaaatat | aattatacca  | atagcagtag  | tgaacagttt | tctacctcac  | gaacagatta  | 3819660 |
| tttccaaaaa | actccggaag  | aacgtctgga  | aattttgaac | cgttatataa  | cgactcccac  | 3819720 |
| taaaacgtct | gatgttagtg  | cacgactgac  | gtacagtgag | cctattttta  | cgggtggttt  | 3819780 |
| tcttcagttc | agttataaatt | tccagtataa  | acattctaca | actgataact  | ctacgttcaa  | 3819840 |
| tatgggagat | gactggacgg  | tgaatgatgg  | actgaacggt | gatacacagg  | gagaatacaa  | 3819900 |
| cgcagattta | agtaaaaatg  | cagtatacaa  | ttattataat | caccagatgg  | atgtaacggt  | 3819960 |
| ccgctgggtg | cgtgagaaga  | tgagcctgaa  | tgctggctct | agcttccaac  | cgcagaagtc  | 3820020 |
| ggatttgtcg | tataagaagg  | gagaactgga  | tacaatgacc | gtgagaaatg  | tattcaactt  | 3820080 |
| tactccgacg | ttcgattttc  | gatataagtt  | ctcaaaaacc | agtcagttac  | gtattcgtta  | 3820140 |
| tcgcggaag  | gctgcccagc  | cggacatggt  | agatttggtg | ccgatttcg   | ataatacaga  | 3820200 |
| cccgttgaat | attcagaacg  | gtaatccggg  | actgaagcct | acgtttacta  | acgagctg    | 3820260 |
| cgccgaatat | aatttcttca  | atacagaaaa  | tcagcggggt | atgttctcgt  | tcttccgtta  | 3820320 |
| tcagaatgtc | ttgaacgaca  | tcagtaaccg  | aagagtatac | gatccgcaga  | caggtggata  | 3820380 |
| tgtgactact | cctgaaaaca  | tcaacggaaa  | ctggaacttg | atgggaatgg  | ttggtactaa  | 3820440 |
| cattgctttg | cgcaacaaaa  | aataactat   | caatacattt | acccgggcaa  | attatcagaa  | 3820500 |
| tatgatcagt | tacatcagcg  | ataagaatgt  | tggtgccgat | accgacaaaa  | atactacgaa  | 3820560 |
| gcgtttgtcc | ttggggagaac | gtttgagagg  | tacgtatcgt | aatgactggt  | gggagttttc  | 3820620 |
| gctgaatggt | tcgctggatt  | acacacattc  | acgtaacagc | tatcaggaaa  | gcaataatat  | 3820680 |
| ggatacgtat | cagttttctt  | atggtgccag  | tacgaatgtg | cgtttgccgt  | ggaatatgtc  | 3820740 |
| tatctctact | gacttgtctc  | agaactcccg  | aagagggtat | actgaatcga  | gcatgaatac  | 3820800 |
| cgcagagctg | atctggaatg  | cacagatttc  | tcaggacttc | cttaagggga  | atgctgtctac | 3820860 |
| ggtaagcata | caattctacg  | atatcttgag  | aaaccagagc | aacatcagcc  | gtaccatcag  | 3820920 |
| tgctgccatg | cgtcaggata  | cggaaataaa  | tgcaatctac | agctattgca  | tggtacactt  | 3820980 |
| catttaccgt | ctgaatttgt  | ttggcggaag  | ggatgctcct | aaagggtggtc | ctgggttttg  | 3821040 |
| gagaggacca | agagggtgat  | ttggtggg    | tcctcatcgt | ttctaaaatc  | cttaaaagga  | 3821100 |
| tgatcccaaa | cgaaagactc  | ttttcgttgg  | agattgtgta | acctagaaag  | agatttcagg  | 3821160 |
| cgtaaatgat | tacacaccat  | taagttatag  | gttgaagtgt | taaaatataa  | aagagtcgta  | 3821220 |
| tcataaagt  | caccccaaaa  | gttagacaga  | aaacttttgg | ggtgcacttc  | accgtttggg  | 3821280 |
| agtattgata | cgactcttta  | tttgtttttg  | taaagctttc | ttgattttta  | ttttaagggt  | 3821340 |
| tatttttacc | ccaattaggg  | ctctgtttgt  | ttaattgttt | tctctatgta  | ttggcgctat  | 3821400 |
| aaatcaggca | agagggtattt | tactatcttt  | tcttcttttt | tgcggaatca  | tttaattttc  | 3821460 |
| attatttttg | tccgactcgc  | tgaaaataat  | gttatgaaaa | agctttttaa  | tatcctttct  | 3821520 |
| tttctgtttg | ttagtctttt  | agctcatgct  | cagctaaact | gtacctttac  | gcattattcg  | 3821580 |
| caggaaaacg | gtttgtcgga  | aaattcggtt  | atggatatgg | tgcaagacca  | tgacggaatg  | 3821640 |
| atatggtttg | ctacttggga  | tggcattaat  | cgtttcaatg | gttatgactt  | taaagtttat  | 3821700 |
| aaggctcgt  | aggaaaatga  | tatgcttttg  | agttccaatc | gtgtagatca  | cttacagggtg | 3821760 |
| gataagcaag | gagatgtatg  | gtgcattact  | tacgatggca | gggcgtttcg  | ctttgataag  | 3821820 |
| cggatggaaa | cttttaccga  | agtacctgcc  | gatggtatag | gaaaggaact  | ggttattaat  | 3821880 |
| tctatcttgc | cactcggtaa  | tggaaacggtg | tggttgctta | ctgatagaaa  | tggaggtatc  | 3821940 |
| agagtgttac | ctgataaaaa  | aacgggaaaa  | tttacttcca | aatctatct   | gtcgactaca  | 3822000 |
| aacaaggaga | aaggaattgc  | catcaatact  | atttatctgg | atgcgaataa  | cagggaatgg  | 3822060 |

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|-------------|-------------|-------------|------------|-------------|------------|---------|
| ttgctgacgc  | aagatggggtt | atttgcaata  | gatggtgaaa | gtggaaaaag  | atcttctttt | 3822120 |
| tttgtagata  | cgcggttga   | ggctgggtcat | atgggacaat | cttttttttc  | ggcaacttct | 3822180 |
| gtgaacgaac  | acgtttat    | cacttccagt  | tacggacgag | tttggaagta  | ctcgttgaaa | 3822240 |
| gatgcttctt  | tcgagttgaa  | agaattatcg  | gtgaaagatg | atattatagc  | cattcaccag | 3822300 |
| ttgtcgggca  | ataagcttat  | aatggctacc  | cgtacatcgg | gctttatagt  | gggcaatgca | 3822360 |
| gcactggata  | gcctgacata  | ttataatccg  | gtcgataaat | ttgatttcgt  | acagtatccg | 3822420 |
| atacgggtcta | tgtatgttga  | tagttgccat  | gaggtatggt | ttgaagtaaa  | aaagattggt | 3822480 |
| agtgtctgcc  | atttcaatcc  | gtttactcaa  | acattcaagg | tagaacagat  | tgcggtggag | 3822540 |
| caggaacctg  | gcaatgcacc  | caagtttgcc  | atttgtgaag | acggtcaggg  | aaatttgtgg | 3822600 |
| gtacatccgg  | gaggaggagg  | tttgtcgtgg  | tttgatcgga | aaaataaccg  | tctgcagcct | 3822660 |
| ttttataatg  | aggccggtac  | cgattcatgg  | cgcttttcca | ataagttgca  | tgccatgatg | 3822720 |
| cttgaccatc  | agggttaactt | atgggtggga  | acgcactcca | agggactgga  | taaagtaacg | 3822780 |
| ttctttaaaa  | ataaatttcg  | tttgtttaag  | cctttcgatt | gtaattatga  | taccaatgcc | 3822840 |
| aatcaggtac  | gagccttgtg  | cgaggattcc  | cggaagcagc | tttggattgg  | tacacgcgac | 3822900 |
| agcaaaatct  | cggttttattc | actcgacttt  | cattttcagg | gttatctcac  | tactgatgga | 3822960 |
| cggattttcta | cttcaggaac  | accttttaaa  | ggatcggcct | ataaaataat  | agaagattca | 3823020 |
| cataagcata  | tctggattgc  | tactaagggg  | aatggattgc | ttcagctcat  | tcctcagggg | 3823080 |
| aacacataca  | aagtgaatca  | ttatgtatat  | aatgccagca | atattttacag | cctgagtcac | 3823140 |
| aacagtgttt  | acgatttgtg  | tgaagatagc  | tttggacgta | tctgggtcgt  | tacgtttggc | 3823200 |
| ggaggcatca  | actatataga  | aagacaaggc  | gatggcagcg | tacgctttat  | taactcgcac | 3823260 |
| aataacctga  | aatcgtatcc  | gatagaacgt  | tgttataagg | tgcgccgtat  | acgtcaggac | 3823320 |
| ggacagggaa  | ccttgtgggt  | agcaacttcc  | aacggattgt | tgtcgttcag  | tgagaaat   | 3823380 |
| acacgacctg  | atgatataaa  | ttttcatttg  | tacgtcagta | cgcctgggtca | gcaggaaact | 3823440 |
| ttgacttgta  | acgatataata | cgatattttg  | cttacgcacg | atagacaact  | gttttttgct | 3823500 |
| acgtttgggtg | gtgggttgaa  | tgaactgaca  | catatcgaca | atctgggtaa  | tgcacggttt | 3823560 |
| gtttcgtatg  | gtaccaagga  | tggccttcct  | acggacgtac | tattctcgct  | tgccgaagac | 3823620 |
| aaggaaggta  | acatttggat  | gggttcggaa  | agcggattga | gtaggatgaa  | taaggcaaaa | 3823680 |
| catcattttg  | acaatttcct  | gaagcaggaa  | attggtgagg | agttgctatt  | cgaggaaagt | 3823740 |
| acggcgattg  | cttcgactga  | tggacgtctg  | ctgtttggaa | caaacagagg  | actcttatcc | 3823800 |
| tttgtaccag  | gacatatccg  | aaaaaatgct  | tatattcctg | agattgtttt  | ttctggtttg | 3823860 |
| aagatagaca  | atcaagtgat  | tgttccaaaa  | cccgttctg  | ttttgccgga  | gtccttaaac | 3823920 |
| tgcttgtcgc  | atcttacgct  | ctctcataaa  | gagaataccg | taacgttatc  | gtttgcagca | 3823980 |
| ctagatatga  | gttttcccga  | aaatgtgaag  | tatgcgtata | tactcgaggg  | cttcgacaaa | 3824040 |
| gagtggaaact | atgtaggtaa  | acagcgtacg  | gctacgtata | ccaatctgcc  | taaggagat  | 3824100 |
| tatgtgttcc  | gtgtcaaadc  | gaccaatggg  | gcaggtatct | gggtggagaa  | cgaacatacg | 3824160 |
| ctgaatatta  | ctgtaaagcc  | ctcgttttgg  | gaaacgcctt | acgcttatgc  | cctatatgta | 3824220 |
| ctggtgttta  | tatttgttct  | attgggagga  | gcttatattc | tgttcttgat  | ttatcgcctg | 3824280 |
| aagcatgagg  | tatctgttga  | gcagcaggtt  | acagatatga | agttacgttt  | cttcaccaat | 3824340 |
| atttcacacg  | agctccgcac  | gccacttaca  | ctgatagaag | gaccgctgga  | atatatcttg | 3824400 |
| aaacgtgcgg  | atttaagcaa  | ggaagtacgt  | gagcaattgc | aggtggtaga  | acgtaatact | 3824460 |
| caccgcatgc  | tgaggctggt  | caatcagatt  | ctggatttcc | gtaagataca  | gaaccataag | 3824520 |
| atgaaacttt  | cggctcgagca | gattgatatc  | gtatcgtttg | tacacaatat  | tatggaaaat | 3824580 |
| tttgaatcgg  | tggcagaatc  | gaatgagatt  | gattttttat | tcgagagtga  | gcaaccggaa | 3824640 |
| ttgaaattat  | gggtcgatgc  | cgataaagta  | gagaaaattg | tgttcaatct  | cttgtcgaat | 3824700 |
| gcatttaagt  | atacacagcc  | ggggaaaacc  | attaccgtat | ttgtacacga  | taatgaaaaa | 3824760 |
| agcgtaacag  | taggcgtaca  | ggatcaggga  | atcggtatct | cggaaaacaa  | gaaaaattct | 3824820 |
| ttgtttgtgc  | gttttgaaac  | gttgctcgac  | aagaatttgt | tcaatccgaa  | tagttcgggc | 3824880 |
| atcgggcttt  | cacttgtgaa  | agagctggtg  | gaaatgcac  | acgttaccat  | acgtgtagaa | 3824940 |

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| ggcgaagatg  | tagaatttgt  | cttgtccgat  | aatgtagaag  | tagtagatgc  | tattagcaag  | 3825060 |
| caggaaacgc  | cggatggtgt  | ggtgaccgtt  | gcagagactt  | ccacatctgg  | gagtgtctccc | 3825120 |
| tctgaaactt  | cttttgaaaa  | gaccatgctt  | cttgtcgaag  | acaacctgga  | actgaggttc  | 3825180 |
| ttcttacgca  | gcataatcag  | ctctcgtttt  | cgtatcatag  | aagctgccaa  | tggggtggaa  | 3825240 |
| ggtatggaaa  | aagcagtga   | gtatatcccc  | gatatcatta  | tcagcgatat  | catgatgccc  | 3825300 |
| gaaaaagatg  | gtattacact  | ggtccgtgaa  | ttgcgagagg  | atgtgactac  | cagtcataata | 3825360 |
| cctatagtgc  | tgcttacagc  | gaagactgat  | atcgatacca  | agctccagag  | cttgaaatta  | 3825420 |
| ggtgccgaca  | gttatattac  | taagcctttt  | agtgccactt  | accttgaggc  | tcgtgtggac  | 3825480 |
| aatctgctgg  | cacgtcgtca  | gaaactacgt  | cagttctatt  | gtgagcactt  | aatggatcct  | 3825540 |
| gattctcctg  | aggtaaccaa  | tgaagaagag  | gaagtagaca  | tgatgtcgca  | gcaggatcgg  | 3825600 |
| cggtttctag  | accagctgac  | agagtttatg  | gagcgtaaca  | tcgacaacgg  | agatctggtg  | 3825660 |
| attgatgatc  | tggtgcatga  | gatggcagta  | agtcgttcag  | tctttttcaa  | aaaattgaag  | 3825720 |
| tcgctgacgg  | gacttgctcc  | gatagaattt  | gtcaaagaga  | tgctgtgtaa  | gcgtgtgtgt  | 3825780 |
| cagcttattg  | agacgggaga  | gttcaatatg  | actcagatct  | cgtacatggt  | aggtatcaac  | 3825840 |
| gatccgcgtt  | attttagcaa  | atgtttcaag  | cagcgtttcg  | gtatgacacc  | taccgaatat  | 3825900 |
| aaggaaaaaac | ggaaaaaata  | gatactggat  | tgttttttat  | tggtaagttt  | tttaaagtgc  | 3825960 |
| attttagcaa  | cgatgaacaa  | ttaatctgaa  | aagtttatat  | atttattaag  | agataaagaa  | 3826020 |
| aaagagatcg  | tctcaaaata  | gaattgcaa   | agtaaaaatc  | ttatagattg  | caacttagaa  | 3826080 |
| gtaaaaaatc  | tcctactttt  | agtcctgtaa  | ttaaagaaaa  | caaagactga  | agtaggagat  | 3826140 |
| ttttatgttg  | taacttatag  | attataagta  | agcctgtctc  | agcttttcat  | tttgatacag  | 3826200 |
| cctcttctta  | gattttgtag  | ttgtaggcta  | ttatttgttg  | atctgtcatt  | taaccatatt  | 3826260 |
| gtatgcggta  | tctgttgggc  | tttagaatgg  | atatccgata  | gcaaaatgaa  | tacccatgcc  | 3826320 |
| gtctttgaac  | cggggaatgt  | tgtaataactt | ggagataccc  | gtttcgtgaa  | gtacgtgaag  | 3826380 |
| ggcgattccc  | cagtcgaggc  | ggagcacgag  | gaatgacagg  | tcgtagcgga  | tgcccaaacc  | 3826440 |
| ggtgcctagt  | gcaatgctat  | caaagaattt  | gttgaagctg  | aattcggcat  | ccggacgggc  | 3826500 |
| ttcatccttg  | cgcacagacc  | atacgttgcc  | ggcatccaga  | aagacggctc  | cgttcagggt  | 3826560 |
| gccgccgaac  | aagctcgata  | ggatacggaa  | acggtactcc  | agattggctt  | ccagcttaat  | 3826620 |
| gtcacctgtt  | tcgtcgacgt  | acgaataggt  | ggagttttct  | gccggatgga  | aacgaccggg  | 3826680 |
| accgatggaa  | cgtaccgtaa  | aagcacgaat  | gctgttggca  | cctcctacgt  | agaactgttc  | 3826740 |
| gctgtaggga  | gcgatggtct  | tgtttccgta  | cgaccaaata  | actccagcca  | tgaagcgggc  | 3826800 |
| agctatctgc  | tgtttgcgc   | tgatgtaata  | caacgggcgt  | atctcgcttg  | agattttcag  | 3826860 |
| aaactgtgca  | aaaggagtcc  | ctaaaaattt  | cttatctttt  | tcttttaggc  | ttcgtccgaa  | 3826920 |
| ggctgcataa  | ataaggagg   | tgacgtttcc  | tgccgaggta  | aaggagtgtt  | cccaccacag  | 3826980 |
| gcgcacccgg  | cgctgctgcc  | aggagtgttc  | gtaggtaaag  | gtatagggtca | ccgatgggat  | 3827040 |
| gaactggtcg  | tccagactgt  | agaacagcat  | cgggttggct  | tctgctatgg  | agtcgaaggc  | 3827100 |
| tgccgtacgg  | tgttgcaggt  | ggttgaatgc  | cagatgaagc  | ggcgtgacag  | tgtgcttcat  | 3827160 |
| gctgcgtgag  | ggctggaagc  | tgtacgctac  | gcttccgccg  | aaggaaagca  | tcttgaagta  | 3827220 |
| acgggcacga  | ttcacttggt  | cggcataaat  | cttaaagtgt  | gtttgcgaag  | ggaaacggaa  | 3827280 |
| agggtcgata  | cggttacgta  | cccacggcag  | tacgaggcgg  | ggaaactcca  | gcgacaatgc  | 3827340 |
| cgctcctagt  | tcataggagt  | tcatgaccga  | cttgtcgccg  | tctacggtag  | aactcgtttg  | 3827400 |
| ccattcatat  | gaacccttta  | gctcgagggt  | aagcgaggct  | cccatgccgc  | ggaagtctct  | 3827460 |
| gcgcgagaga  | ttgaaaatgg  | ctcccggtcc  | ggtctgtttg  | gtacttttgg  | tcgtgacgtt  | 3827520 |
| cagttccagt  | tcactattgt  | agggcagggtc | gaacatggca  | tttaccgta   | tgctgaggggt | 3827580 |
| atctttttcg  | gctccgctac  | ggggagtgtg  | ttgaaagtcg  | ctgaacttga  | atacgtccag  | 3827640 |
| tcgtgccagt  | gcttcttgcg  | tatagttctg  | ccgggtttgt  | gaatagactt  | ctcctttgcg  | 3827700 |
| gtataggaaa  | cgcttgcgaa  | gtacgccgta  | ccggatgccg  | ggcttcttgc  | cggaaataata | 3827760 |
| aaccgtaaa   | ttgcgtcgtt  | tcagcgaatc  | ggtgggctgt  | tcgccgttgt  | agccggtaag  | 3827820 |

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| tggtacaatc  | ttcatgctga  | cgtagccttt  | gcgcatgatg  | gtgtcggcca | gaaacgtcag  | 3827940 |
| aaattcgttt  | cgggcatagt  | aatatccgtt  | gtctcgcagc  | aagtctatca | ggcggttgcg  | 3828000 |
| ttcctgattt  | agcacggtca  | cgtcgaagtt  | gtcgccgctg  | cgtaccagac | gttcatcgaa  | 3828060 |
| gtgggcgcgg  | atcagactgt  | cggtagctgg  | ccggaagcct  | tcgtagatga | gagtatcgat  | 3828120 |
| atagtagggc  | ttacccatgt  | cgatatcgta  | gtcagttttt  | acggcacggg | gattgcgcgt  | 3828180 |
| gctgtctaca  | cggtaggtta  | ccttgccgtc  | aaaataaccg  | tagtcgtgca | gcaggttggt  | 3828240 |
| tgctaccttg  | atacagagttt | caggattgac  | ggtagaaacg  | tatacggggg | cggaggccag  | 3828300 |
| ttttttgaat  | acccaatggc  | caaatccttt  | ttcatatcgc  | tcgaagcggg | tgtatatcca  | 3828360 |
| tagtccgaag  | gggatcggaa  | agcgtatggt  | gggattgatt  | gtaatggcat | agttgggggg  | 3828420 |
| gatgctgatt  | gcaccttcca  | cttctgccag  | cgcgttttgt  | cctgccttgc | ttttgtcttc  | 3828480 |
| gttgttgatg  | gttacctttt  | tcaatcctaa  | atacaatggt  | tccccttcag | gcaaattgctt | 3828540 |
| ggtagtagag  | catgacgctg  | agagtaacgt  | taccagcaga  | atggctatat | aatatatggt  | 3828600 |
| ctgtcttttc  | atgaatctgt  | ttttatgtgt  | ctaaaaaatc  | agttggctgt | ttcttggttc  | 3828660 |
| ggctgcttct  | tctttcgcga  | gcggaagatg  | aagagctcac  | ccagtttgct | tactttcttt  | 3828720 |
| ctcagtacaa  | taccggcacc  | ggtttctatc  | acttcgccgt  | cgagaatact | ctcgtaattc  | 3828780 |
| ttgtcgtgga  | aaatcttgat  | gtagcgtggt  | ccactgttgt  | cgaggcggta | ttccagcgat  | 3828840 |
| atattatcga  | taaatgattc  | atcttgctgc  | tgtacgtcgt  | ttccggtcga | aatctttccg  | 3828900 |
| ccgataatta  | cctggaagcg  | gttggtccag  | aaacgtttgg  | caaactggaa | gttgtagtcg  | 3828960 |
| gtacgggtat  | ttccgggtacc | gctttcgtcc  | gtggtttcca  | taccgaaatt | gatatcgata  | 3829020 |
| cttttcagtg  | cgcttcccgc  | cactttgttg  | atttcgcttt  | gcaggaaaga | gttcagcata  | 3829080 |
| ctgttggtat  | cgaatccttt  | cgttccggca  | ctgctgtcgc  | ccatgtatac | gccggttacc  | 3829140 |
| agcatggtga  | ctgccagctt  | gttcttttct  | tcagccgact  | ttgatgccag | ttcattctgc  | 3829200 |
| atgggtccgt  | cgtcgggggg  | ctcgaggata  | aagggtgaatc | ctagattctc | caagcgggta  | 3829260 |
| gtcagattaa  | caccacatc   | aaagttaacc  | atacaggtac  | tttctcccc  | gtcggatgaa  | 3829320 |
| accgaggcgc  | gtacacgctc  | ggaggctttg  | atgttcagat  | taggattcat | caagttacca  | 3829380 |
| gtccattcta  | tgtagcttcc  | gtcttgtagt  | tagaagggtt  | tcagtgggat | aataggcatt  | 3829440 |
| tcgtatttca  | tttctccgct  | catcagcgag  | taccgtccgt  | tcagcagcat | gttgccgtcg  | 3829500 |
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| attcctccca  | gcgacataac  | cggcatgttg  | ggcttctcta  | tatgggtggg | atcgctgaag  | 3829680 |
| tcgacaaacg  | ttacggtttc  | gttcaggcgg  | tcttcacgg   | tgagcgggta | atctttcagc  | 3829740 |
| acataggtag  | aatcactggt  | gcctagtagt  | ttcatgtttc  | cgcgcatggg | caaggcatct  | 3829800 |
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| ttggtgcgct  | tggcattgat  | cagttcgaaa  | ttatgtgcct  | gcatcttcag | gttgatatcc  | 3829920 |
| atggcagcca  | tgtcgggtcat | atcgacatat  | ccgtcgatgc  | tgaacggcgt | ttttcccttg  | 3829980 |
| gtgaagatat  | tgaagcggtc  | gaatatcaac  | cggctgtttt  | ctatcttcag | cgggcgggtca | 3830040 |
| tcgaaacgaa  | ggttcagcga  | agcctgcggg  | atgtttacga  | tgacgctatc | cattcccaat  | 3830100 |
| tgtccgttta  | atacgggttg  | cgacgtagag  | ccttctacgg  | aaatggctcc | gtcagaggtcg | 3830160 |
| ccttgcagct  | ttgccatatt  | gtcggggata  | aatgcattgg  | ctatcttcag | cggcagggtga | 3830220 |
| tgcaggttca  | cgtcggcagt  | gatatgggtc  | ttgtcgtttt  | tgtccgaagc | cgacagataa  | 3830280 |
| cttccgttca  | tgctcatgat  | ttcttctccg  | ttcagcatga  | caaaaccgtc | gatgctgtgc  | 3830340 |
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| ttgtaggcca  | gattgttgat  | acctatatcg  | gtagctactt  | gcgtagtggc | ttcgggtctgt | 3830460 |
| atataatggg  | cttctgcatt  | gatgaaccgg  | gctatgtcgg  | gcatgtaagg | gataatgcgc  | 3830520 |
| cggaaattcag | ctatgtttat  | ctgggttagt  | cctaaccgtaa | tatcttggtg | agcgagagaa  | 3830580 |
| tcgggggtag  | agtacagcga  | cagtcccga   | tggttctcgt  | cgtatatctt | tacgtcggca  | 3830640 |
| tggatgcgtc  | cctggctcgt  | caggtaaagt  | taattgtcgg  | ggtttacctt | gaacggccgg  | 3830700 |

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|            |    |         |        |      |     |      |      |     |     |         |
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| gcttgcagg  | c  | gaggt   | ctac   | gc   | ctg | ttt  | ct   | c   | ttt | 3830820 |
| tgtgcgtcg  | g  | tagaac  | ctat   | gta  | acc | gtt  | c    | ag  | at  | 3830880 |
| ctggcaagt  | g  | ctttac  | acc    | gct  | gtt | ga   | ac   | g   | ta  | 3830940 |
| aagtaaata  | g  | tgtccag | ttg    | cag  | act | gt   | ca   | g   | ta  | 3831000 |
| tccagtcct  | t  | tttcggg | tga    | cat  | g   | ct   | ga   | ag  | ta  | 3831060 |
| tgtgctgca  | g  | aaaaatt | ggc    | aac  | cgg | att  | g    | tc  | ga  | 3831120 |
| gtcggcatta | t  | ctccttg | ag     | cag  | ttg | ct   | g    | g   | ta  | 3831180 |
| aattcttgt  | g  | ctatgcg | gtc    | ggt  | ttt | gtt  | c    | at  | ga  | 3831240 |
| aacaggaaa  | g  | tcagg   | tcacc  | ggc  | att | caca | ta   | tc  | ct  | 3831300 |
| aatccagca  | t  | gcagg   | tcctt  | ggt  | ctt | ga   | at   | gt  | cc  | 3831360 |
| ctgatgggt  | t  | ccgtg   | cact   | gtg  | ccg | ct   | gt   | ta  | tc  | 3831420 |
| ttcatggac  | g  | agcgg   | aaccg  | cgt  | att | cat  | c    | ag  | tc  | 3831480 |
| atgctagta  | t  | gagat   | cggc   | ttt  | t   | acc  | aga  | ta  | tc  | 3831540 |
| gatacgtcg  | a  | gcgc    | atgggt | gtt  | ga  | tt   | c    | ag  | tc  | 3831600 |
| cctgccgtc  | a  | atgtc   | actcc  | cg   | aga | ata  | c    | g   | ta  | 3831660 |
| gttttttag  | ca | ttg     | ctctgt | ac   | gcg | gag  | ag   | ta  | tc  | 3831720 |
| atggtagcc  | g  | aaagt   | ccgaa  | gat  | gg  | ag   | tc   | a   | ta  | 3831780 |
| tctacgttc  | a  | ggtc    | gaacag | at   | agg | ctt  | cc   | ta  | tc  | 3831840 |
| acgttggcc  | t  | tcctg   | cctgg  | cag  | ga  | att  | gt   | ta  | tc  | 3831900 |
| cgcgttccc  | g  | tttca   | actt   | cat  | g   | ccg  | tc   | ga  | ta  | 3831960 |
| acgaaagcc  | a  | gattg   | cccgt  | tt   | ct  | ac   | ct   | cc  | ta  | 3832020 |
| tccagtggc  | a  | gagaa   | at     | ttt  | t   | ccc  | g    | ac  | gc  | 3832080 |
| gagagtgtg  | a  | tgagg   | cgtat  | ct   | ctt | t    | cag  | g   | ta  | 3832140 |
| ggagcagcc  | g  | gatatt  | tctg   | gat  | ga  | ac   | gc   | tc  | ta  | 3832200 |
| tcgttcttg  | c  | gatgt   | ctgc   | cat  | gag | gcg  | g    | ta  | tc  | 3832260 |
| gtagcatccc | a  | gtcc    | ataga  | gg   | cgt | ta   | aa   | ac  | ta  | 3832320 |
| agcgagggt  | a  | ccttg   | aggggt | ttt  | c   | gcg  | tcg  | ta  | tc  | 3832380 |
| tccagtccg  | g  | aacgt   | tcctt  | tag  | gtt | ga   | ag   | ta  | tc  | 3832440 |
| gcataatata | a  | ccgag   | tctag  | ac   | g   | tag  | gtt  | a   | ta  | 3832500 |
| agtccctgt  | g  | cggg    | agcaag | cgt  | att | ag   | ta   | ta  | tc  | 3832560 |
| agtgtctgg  | g  | cagag   | tatgc  | cg   | att | t    | at   | gc  | ta  | 3832620 |
| tttccgatg  | g  | acgtg   | acat   | gt   | c   | gag  | ggag | ta  | tc  | 3832680 |
| ttttccaaat | a  | cgac    | at     | ttt  | t   | cag  | gt   | ta  | tc  | 3832740 |
| tcggcagcag | g  | tcgt    | atctgc | cat  | gc  | ata  | cc   | ta  | tc  | 3832800 |
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| agattgcct  | t  | tcagg   | gtgag  | acc  | ct  | ca   | at   | tc  | ta  | 3832920 |
| agttgcagtc | c  | gtcc    | agctc  | tac  | ttt | ctt  | c    | ta  | tc  | 3832980 |
| gtcagccgt  | t  | cggc    | attcag | aatt | gt  | gt   | tc   | ta  | tc  | 3833040 |
| accaggtcta | a  | agggg   | aagga  | gag  | c   | ga   | aa   | ta  | tc  | 3833100 |
| tcggaagcat | a  | acggg   | tagc   | cgt  | att | cacc | ta   | tc  | ta  | 3833160 |
| aaaatgcata | a  | gtag    | tataaa | tag  | at  | ga   | ac   | ta  | tc  | 3833220 |
| aaatactttt | t  | catag   | ggcta  | aata | a   | ag   | cg   | ta  | tc  | 3833280 |
| cgaaacaaca | a  | ttcatt  | tttgt  | tct  | a   | ta   | aa   | ca  | ta  | 3833340 |
| ttgcggtata | a  | actta   | at     | ta   | ta  | ta   | ta   | ta  | ta  | 3833400 |
| ggaatgggaa | a  | gccgt   | tacgg  | agg  | ttt | ga   | ag   | ta  | tc  | 3833460 |
| acaatcatgg | a  | attatt  | ctat   | ttt  | c   | gac  | gc   | ta  | tc  | 3833520 |
| gtaatcagaa | a  | aggatt  | tttga  | ag   | agg | attt | c    | ta  | tc  | 3833580 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| catattccgg  | tggaagtagt | tttccagagc  | atagacaagt  | tgcccgaagg  | attcacttgc  | 3833640 |
| ccggcagagc  | gtaccaaacc | atgggggtacc | aatcatgctg  | tgctgatggg  | taaagatgtg  | 3833700 |
| attcgtgaac  | cttttgctgt | tatcaatgcc  | gacgacttct  | acggacgcga  | cagtttcgcc  | 3833760 |
| gttatcggca  | aatatctgtc | tgaactaccc  | gaaggagcca  | agaatacata  | ctgcatggta  | 3833820 |
| ggattccgtg  | taggtaatac | gttgagcgat  | agtggtagac  | tagctcgcgg  | tatctgctct  | 3833880 |
| accgatgaac  | acaggcacct | gactacggta  | gttgaacgta  | ctgaaatcat  | gcgtatcaac  | 3833940 |
| ggcgttgttt  | cttataagga | cgagaacggt  | gaatgggtag  | gcacgaaga   | taatacaccg  | 3834000 |
| gtttctatga  | atatgtgggg | ctttactccc  | gactatttca  | agtattctga  | agattatttt  | 3834060 |
| gtagacttcc  | tgaaagagaa | tattgacaag  | ccgaaagctg  | aatattatat  | tccgctcatg  | 3834120 |
| gtgaacaagt  | tgatcaacga | aggtactgcc  | acagtagaag  | tacttgatac  | gacttctcgt  | 3834180 |
| tggttcgggtg | tgacttatgc | tgccgatcgt  | cagggagttg  | tagataagct  | gaaagcactt  | 3834240 |
| gccgactctg  | gagaatatcc | gagcaagttg  | ttctgataag  | tgaaaaattc  | ctttgtgctg  | 3834300 |
| aaggatggat  | tttaccgttc | tggtcagcat  | aaaggaattt  | ttttattgca  | atttaaaaga  | 3834360 |
| ttattcgtga  | ttttgcgaac | gataagaaac  | gatggaagag  | aaaaaggatt  | atacagccac  | 3834420 |
| acaagagcag  | ttggcaagat | ttgccaaagc  | tttgggacat  | ccggcacgga  | ttgctatcct  | 3834480 |
| gcattttctt  | gcccggcagg | aaacatgcta  | ttttggtgat  | attcatgagg  | aattgcctat  | 3834540 |
| tgccaagggt  | accgtatctc | aacattttaa  | ggagctgaag  | gatgcgggac  | ttatacaagg  | 3834600 |
| tgaggtggaa  | actccgaagg | tgaagtactg  | cataaaccgt  | gaaaactgga  | aactggccag  | 3834660 |
| cgggcttttt  | caggagtttt | tcgggcagtg  | tgtggagaaa  | acgaaaaagt  | gctgtaaata  | 3834720 |
| ataatggcct  | ttttggattg | tgatgttatg  | gctttgtgaa  | ttaacactaa  | atttagtgct  | 3834780 |
| ttagaaatta  | aagctttagg | aacagaatgt  | tcctcgatga  | agccggaata  | tccacttcca  | 3834840 |
| aaggaggtgg  | tagggccttc | actttccgag  | gcaaaagtga  | ttcagtagaa  | acttcaggcg  | 3834900 |
| actgatcagg  | tgacataatc | ccaaaatgct  | gaataaaaata | cctacctgat  | agtgtaatat  | 3834960 |
| gccccaatgt  | atatctgcgg | gacctttttg  | caatatgaga  | ataatggcag  | tgacgattgt  | 3835020 |
| cagcaagtag  | gccaccgata | gtcccattgt  | gattttgctg  | tggcatttgg  | tgccctctgac | 3835080 |
| cagacttttg  | taccatctcc | aatgcgcttt  | gatgtgcagg  | agggagagctg | tgaaaaacaa  | 3835140 |
| gattccgaat  | agggtatgca | atgctgtcca  | taattggcct  | ccctgctgta  | cgattccatg  | 3835200 |
| gtccgcggcg  | tgcataatca | gtcccgtagc  | gagtattatc  | ggccatagaa  | ccgccagtgt  | 3835260 |
| caagtctgtt  | gaaaatacga | ttcttttatt  | catattgttg  | tcttttggtg  | attgttgatt  | 3835320 |
| catgcatgct  | ttgaggcatt | tcatgcagcc  | tatacatttt  | tcggcatgtt  | tgattactgc  | 3835380 |
| gtgccggtgt  | gttaagagct | gtacatccaa  | tgtttttacg  | cagacaaagt  | taaggagagg  | 3835440 |
| aagtgatggc  | ggcaatggag | aactgttgtt  | ggggagataa  | gcagatgagt  | tgcatgtca   | 3835500 |
| gggtatatgt  | ttcgaaagcc | ctttgagagg  | tttcttccac  | aaaagcgctg  | tctatcatga  | 3835560 |
| gcaggtacgc  | cgacagctgg | tcagagtgtg  | taaaacagtg  | tacttgtccg  | ggcaagacca  | 3835620 |
| gagccgtttt  | gttcaccgcc | agttcatagt  | ccttgaagtc  | gatgcggata  | ttgcaagtcc  | 3835680 |
| ccgattcaat  | aaatccgaat | atataataat  | cgtcttgatg  | tacatagttg  | accggtgttt  | 3835740 |
| ctcgtatgtt  | gtccggagag | aatagccgca  | ggcgtatttc  | tgtttcagaa  | atgtcggaaa  | 3835800 |
| ctctatgtct  | gggcagtctg | gtcattaaaa  | agctgtttta  | cgggattgtt  | atggattatt  | 3835860 |
| tgataagcat  | tacaatgctt | ccgcaggtaa  | tcaggagagc  | ccctattatt  | actcgcaggc  | 3835920 |
| tgaccggttc  | gcgcagaaac | aagaacgaca  | ggcagatggg  | catgaccacg  | ctgagcttat  | 3835980 |
| ctatcggagc  | cacacgcgac | acatctccgg  | tttgcaatgc  | tttgaaataa  | aacagccacg  | 3836040 |
| acagtcccgt  | tgctattcct | gagaggatga  | ggaatatcca  | cgtatgttca  | ctcacttgct  | 3836100 |
| tgatgcctgc  | ggtttcccg  | ctgcagaaaa  | cgattcccca  | cgtaatacac  | aagataatcg  | 3836160 |
| tggtgcggat  | agctgtagca | aggtctgaat  | tgatgtcttt  | tacgcctatc  | ttggcaaaga  | 3836220 |
| tagctgtcag  | tgcggcaaaa | aacgccgaca  | gcagtgcata  | atacttccac  | ataatcggct  | 3836280 |
| gaatttctta  | aagtacgggc | aaagtatttg  | ttttatgccg  | aatgatgata  | ccgagaagtg  | 3836340 |
| aaaaaatagc  | tgtatgaaat | aaacttgtaa  | gagaatattt  | taataagttg  | aataggttat  | 3836400 |
| agaggtcgac  | ggggttctca | gctttttata  | ttgattcttc  | ttttttattc  | aggctggcta  | 3836460 |



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|              |             |             |             |             |             |         |
|--------------|-------------|-------------|-------------|-------------|-------------|---------|
| aaatttatgc   | ttaatcaatg  | aaaccctcag  | gctttttacgt | tgagccgaca  | tggaatggag  | 3836520 |
| ggaaaagatgg  | gggaatatct  | gtgtgcagga  | ggtatggata  | ttttatcgct  | aatatgcttc  | 3836580 |
| ccttgtggga   | aaggctcttc  | tgttatctcc  | gtacaagtgt  | tttcagccga  | aagacagaag  | 3836640 |
| aagatataag   | aaggcatttt  | gtcaattgga  | tagcagacaa  | aggtagggta  | gcctgagtgc  | 3836700 |
| ggaaaaacgg   | aaggccatgc  | ggcatcacgg  | ccttgtgttg  | tccgatgatt  | cagaaacccg  | 3836760 |
| gcacaatggc   | gaggacttat  | tcctcgggtgc | ctttctgttt  | tgccataccc  | ggtgccgaag  | 3836820 |
| acgctcttgt   | taccgaactt  | gaagaggtga  | tgccacatat  | agtgggatgg  | cttcccgaat  | 3836880 |
| atgggaaagt   | agtcggtttg  | ctgaccgaca  | atcagggtaa  | gggacttttt  | ccttttatct  | 3836940 |
| tcaggctttc   | cttgcgcaag  | gtgttctccc  | gttttcatgc  | tacggaatta  | tgcgacgaag  | 3837000 |
| taaactatcg   | tcatgcactc  | cggcagcggt  | tcattgttat  | agacgatttc  | gatataaaaa  | 3837060 |
| gaacattcaa   | tgattatggc  | aatcttacgt  | ggctttttct  | gaaatcggtta | acggcatcga  | 3837120 |
| gcggcgggta   | ctttgcttat  | agccaatacc  | aacctgacga  | tggaggaaat  | caaggctaaa  | 3837180 |
| tacggtctcc   | gtacttttga  | ccgtctgcga  | gtcaatatgc  | aggtgggtgt  | cattcggaaa  | 3837240 |
| aggtcagtat   | taaagttttt  | ttaacctatg  | attagtttct  | gattgttatg  | taagtgatga  | 3837300 |
| ttcggaaattt  | tttttcattc  | tttgaatgca  | tgatttagct  | tttaaataatc | tgaatttaaat | 3837360 |
| gctaattgat   | tattttttgta | agacaatgta  | tatacaatca  | taaaaatata  | gaagtagtta  | 3837420 |
| tgtcatacat   | atcaagtga   | ggacttagtt  | ggagaggggt  | tttgaaagga  | tttcccaaag  | 3837480 |
| ctacaaatat   | tatgcaacca  | ttgtttgagg  | ctttttacgaa | tagtcttgaa  | gctattgata  | 3837540 |
| tgcgtaaaaag  | gcaggatgat  | acttttttac  | cttatattca  | tttagatttt  | tatttcaatc  | 3837600 |
| aaacaacaga   | taatgaaaat  | gatggcttga  | ttcgcttttc  | tattacagat  | aatgggtgtcg | 3837660 |
| gtttttagatga | tgagaatttt  | aatcgtttaa  | aagtatttaa  | ggacgattca  | aagggtgatg  | 3837720 |
| gcaacaaagg   | ttctggtcgc  | atacagttta  | tacaattttt  | tattactgca  | acctatgaaa  | 3837780 |
| gtatatacag   | acaagatgga  | acataataat  | taagaagatt  | tgtttttatct | aaggctgaac  | 3837840 |
| ctttttttgcg  | acaaaattct  | atttttacgtc | ttgatgaaga  | acgcgaactt  | gataataact  | 3837900 |
| ctgagctaaa   | aaccacatta  | ttgcttgata  | atttaagggc  | aaaagttgat  | gtgaaatttt  | 3837960 |
| ttaatagttt   | aggaatcaat  | gatataaaaag | aggctttatt  | ggaccattac  | attctatatt  | 3838020 |
| tttgtgtaaa   | taggactcat  | ttacccgaaa  | tagttataaa  | ttattatcat  | gggacaaatt  | 3838080 |
| taatagcaac   | acgaagaata  | gatactgaag  | atattcctaa  | agtatcgcat  | gaggatgaaa  | 3838140 |
| cgattaatgt   | ccctttaagt  | caaatttctt  | ctgatatgaa  | gaggggtggaa | acttctatag  | 3838200 |
| agaatataga   | ggtaaaaatt  | aagtcgttta  | gattacctta  | tggacagttg  | aagaaaaatt  | 3838260 |
| cagtgaaaat   | tacttgtaaa  | ggagaagttg  | ttgattctgt  | aaaagttaaa  | cttgattggt  | 3838320 |
| tgccctttgga  | tatgcaaata  | ggaacttctg  | tcttcttggt  | cttgctatct  | agtaagtatt  | 3838380 |
| ttgatgaccg   | tattggagat  | agccgtgata  | cattagaat   | tctaaataga  | acagaattca  | 3838440 |
| aaaaaagagc   | taaacagtat  | ggccgaattg  | accacaaat   | tgtaatggat  | gatttacaag  | 3838500 |
| ttaaagtcag   | tgtaaagca   | gaagaaatgt  | atcctgagat  | aagtaaacag  | aaagaaatac  | 3838560 |
| atattgaaca   | attagctgcg  | ctgaagaaaa  | catatttggt  | gtcagaagag  | gctttggctg  | 3838620 |
| aatctgatgt   | aaatgacagt  | gttgaagata  | ttttaagaa   | agcatatatt  | tatgatgcga  | 3838680 |
| aattaattgc   | agaacgtgat  | gctgcatatc  | attctatggt  | ggaacgattg  | aatcagttag  | 3838740 |
| acactagtg    | tcctgcatat  | cgaactgatt  | tagaaaaact  | tggttgctgaa | atgactaaag  | 3838800 |
| cgattccttt   | gcaggataaa  | gaatctctgt  | caaggatgt   | tactcatcgt  | aagcttgttc  | 3838860 |
| ttgatttgat   | ggcaaagatt  | ttgcgtcgtg  | aaacaagcta  | tcaaaatata  | gagggcactc  | 3838920 |
| ggaatataga   | tgaaaaatta  | cttcatagtt  | tactttttac  | tcaacattcg  | gatgatgtgt  | 3838980 |
| gtaatagtga   | cctatggatg  | ttgaatgaag  | attatttgta  | tttcagaggt  | gtatctgacc  | 3839040 |
| agcctttaaa   | tcagatagaa  | attgatggta  | taaaattggt  | cagagaagaa  | gttacggagg  | 3839100 |
| aagaagagcg   | ttatttgta   | tcattgggtg  | agaatagacg  | tatcaagaga  | ccggacattt  | 3839160 |
| tattattccc   | ttcagagcgg  | aaatgtatta  | tagtagagct  | gaaaaccctt  | gagaccaatt  | 3839220 |
| tggttttaca   | tattaatcaa  | ataaagagat  | atgctaattt  | gcttcgaaac  | tttacttctg  | 3839280 |
| atagttttat   | gatagataca  | ttttatggct  | atcttatagg  | agaggcttta  | gaacctagag  | 3839340 |

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| atataagagc  | tgtagatggt  | aattttaagt  | atgatccgaa  | gttcaatttt  | atgtatctgc  | 3839400 |
| cttctacacc  | tattgtatat  | gaaaacgac   | ctacaggaag  | acaagatggt  | agtttgtata  | 3839460 |
| tggaagtaac  | ttcttattct  | gaaattctga  | gaagagcaga  | aaaacgaaat  | gaagcattta  | 3839520 |
| tatctaaatt  | gtttcctcaa  | aaagttgata  | gcgaaggata  | aaacacctaa  | caaaagaatt  | 3839580 |
| ccgagttaac  | agaaatatat  | tatatattgt  | tttgattatt  | aaaatattat  | gccacgctt   | 3839640 |
| gattggattg  | gaaaagaaaa  | agtaatcaat  | catcatcacg  | atgtcccttt  | tcgtgtatta  | 3839700 |
| gaacataagt  | atggtttccg  | agccgataac  | ttggaggata  | agtctgaaac  | ccgtagcgg   | 3839760 |
| aataaaatca  | tccatggaga  | taatcttgag  | gctttgaagg  | ctttattgcc  | ggaatatgaa  | 3839820 |
| ggcaagattg  | attgtatcta  | tatagatcca  | ccatataata  | ccggcaatga  | gggatgggta  | 3839880 |
| tataatgata  | atgtaaata   | tcctcatata  | aaaaaatggt  | taggagaagt  | tggtggagca  | 3839940 |
| gaagggtgaag | atttttctcg  | tcagtataaa  | tggttttgta  | tgatgtatcc  | tcgattgaaa  | 3840000 |
| ttactacatc  | aattgttggc  | gtcagatggt  | attatagcag  | tttctatcaa  | tgatcaagaa  | 3840060 |
| ttgtttaatt  | tggtgtacat  | catgaatgag  | atcttcggtg  | tttcaaata   | attggcttgt  | 3840120 |
| gctccatgga  | aagcagaacc  | tagtggtggt  | aaagataaaa  | ctgcattaag  | aacaggccat  | 3840180 |
| gaatatgtgt  | tgattttattc | aaaaggatg   | actaaaaatt  | tagttaaaga  | ggaaaaaagt  | 3840240 |
| actggaaaat  | tagataaaaa  | agataaatgg  | ggaagattta  | gaaaaggctg  | tgaattgaga  | 3840300 |
| aaatggggag  | caacttcgga  | tagaaaagac  | agagagaact  | tgtggtttga  | aataaaagct  | 3840360 |
| cctaattggag | aatttgttgt  | tcctatcaag  | aatgatggga  | ctgaaggata  | ttggcgatgg  | 3840420 |
| ggaaagacgc  | atcctattat  | gaaacagatt  | ctagaaaacc  | ctgagtatgc  | ttattgggaa  | 3840480 |
| gtttgtccat  | atgataaaga  | tggtgtagta  | gatggaaaga  | cagaacgttt  | agtccttttt  | 3840540 |
| gagaaaatac  | gtgaagaaaa  | acgttctttt  | ggatggaata  | cgtggctgga  | ttcttatggt  | 3840600 |
| actaattctg  | atgcaacaaa  | agaaataaag  | actatatttg  | ggagtataat  | ttttgatacc  | 3840660 |
| cctaagcctg  | taagtttagt  | ggaatggcta  | atctcattac  | atggagatga  | agatgggtatt | 3840720 |
| gttttgata   | gtttcgcggg  | ttctggagtg  | acaggacatg  | cagttttggc  | tctaaataag  | 3840780 |
| cgtgaaaata  | caaatcgaaa  | atttattctt  | atcgaattag  | aagattatgc  | agagagtatt  | 3840840 |
| acggctgaac  | gaatgaagcg  | ggtaatgatt  | ggttccgagc  | aaatacctag  | tttgggaggg  | 3840900 |
| gctttcgatt  | attacgaact  | tggtgcacct  | ttattcaacg  | aagatgatac  | cttgaatgaa  | 3840960 |
| gaagtcggag  | aaaaacgaat  | tcgtgaatac  | atattattata | cagaaactcg  | tgaatatctg  | 3841020 |
| acaagagaac  | agagcgaaga  | atatccgtat  | ttattggatt  | atcatgatgg  | tacagggttac | 3841080 |
| ttcttctatt  | ataaaaagaa  | tgaattgaca  | acgctttcac  | atgatacact  | taacattgta  | 3841140 |
| ccggagaagg  | cagactatta  | tgtaatttat  | gctgatacat  | gtactcaata  | cttcggtaaa  | 3841200 |
| tttttaccga  | taaattaaaa  | ttaaaccatag | aatcggcata  | atccggttca  | aaattatatt  | 3841260 |
| caagagatca  | ttgaaatact  | gtcaagaata  | aatcgtcaag  | gagtaagaaa  | agggatgaaa  | 3841320 |
| aagatatgct  | aaacagctga  | aatcaacag   | aaaaagtatt  | tcataattca  | ctgattttta  | 3841380 |
| gtaaataga   | agtacttcac  | cacttttaat  | tatgactaaa  | gaatcactcc  | ttatgcaata  | 3841440 |
| ccaatccgag  | tgcaaaaacg  | ctctcgaatc  | agctgtaaat  | ataagcaaat  | cttttcagaa  | 3841500 |
| agtattcatg  | gatgcaatga  | aattattcat  | ggctataacct | gaccgcatca  | atttcctaca  | 3841560 |
| aatgggacgg  | tatggatggt  | tctcggaaaca | gacataccgc  | aacaattttg  | agaacgacgg  | 3841620 |
| ctttgactgg  | ttttccttca  | atgaagccat  | catcagggaa  | caccttaaa   | gtggctgcaa  | 3841680 |
| ggcgatagcc  | gttgatccgt  | ctttcattcc  | aaaatcaggc  | agcaaaaacgc | cgtggatttg  | 3841740 |
| ctattttctg  | tccggttggt  | ccggtgaata  | caaacgtgga  | ctggaaataa  | ccggtatttg  | 3841800 |
| agttatagac  | gttgacaacc  | atgaatgtat  | gactttgggc  | tctgtacaga  | cacctgacaa  | 3841860 |
| cgcaacgctg  | gaaagctgtg  | agaagaatct  | tggtgactgg  | tacagctctt  | accttatcag  | 3841920 |
| catacaggaa  | cagctgaaac  | gtattttctg  | cacagtcgtg  | tgtgatgcgt  | tcttttcaaa  | 3841980 |
| ggcaactttc  | atcaaaccat  | tgtacgataa  | cggtttccac  | gtaataagcc  | gtttcaggaa  | 3842040 |
| tgatgccgta  | ttgttttatc  | ccaccttaga  | aaataggaca  | ggaaaacgcg  | gacgtccaaa  | 3842100 |
| attacatgac  | gagaaaattg  | actttgaaaa  | tctggacatc  | acaagatgta  | ccgagtacaa  | 3842160 |
| agtgaacaag  | ggtaaacttt  | acggactgaa  | agcatactcc  | aaagcactca  | aacgctttgt  | 3842220 |

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| gagcctggct  | gtatggtacc  | ccatggatgg | aagaacggac  | aaatggcagc  | tgtattttctc | 3842280 |
| tacaaacgaa  | atacagaacg  | cacaggatgt | cctggacttt  | tacagaacac  | gtttccaact  | 3842340 |
| cgaattctgc  | tttcgggatg  | ccaagcaaca | tgccggaata  | gcaaactgtc  | agtctacaga  | 3842400 |
| cttcaggaaa  | ctggcattcc  | actttaatgc | atcacttgca  | gcgataaacc  | tcgccaaggc  | 3842460 |
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| tcagccaaaag | atgtattggt  | taatgctata | cgcatgcgaa  | atagtcttga  | agagcatgct  | 3843660 |
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| gaagaagaat  | ggattccatt  | ggaaaaatct | atgctgacaa  | agggatttga  | cttgtcaacc  | 3844560 |
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| agggatgcca  | ttcagaataa  | aatagaagct | ttgttgaaag  | aacatcaagc  | tgaaactttt  | 3844920 |
| tattattggc  | ttgatataatc | acgtatagaa | gtgcggcctc  | attatacttt  | cctagacaaa  | 3844980 |
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| aacattaaaa  | gtgttggtgt  | ctacctgtgt | agctagcgaa  | tcaaacctgt | tttgctatca  | 3845820 |
| tttctgatt   | gcgagtgc    | aggtaggtgt | ttctttttta  | actgccaaat | attttggaat  | 3845880 |
| aaaatctgaa  | aataatattt  | tgtttaattt | gtataatgtt  | gattatcagt | aaactatttt  | 3845940 |
| atagtgttga  | agaaaaagaa  | tatttaagaa | caaactta    | aatcgtcaaa | agcttaaaaa  | 3846000 |
| ggattgtttt  | attcttgttt  | ttttacttac | ttttggcaaa  | gtatttgtat | gatttttaagt | 3846060 |
| gaatcaatag  | ttcgttaaaa  | attagcccag | cctaagcggc  | tctggcagta | aataaaaatga | 3846120 |
| gttctttgaa  | aagtttgtca  | attaattg   | tgtttggttc  | aatcccagac | acgcaaataa  | 3846180 |
| atcgttcaag  | catgtaagca  | ttgtgtatga | ctgacttgca  | tgatgatatg | gaatatttta  | 3846240 |
| ttcccatctt  | cttacaggca  | gccttggcga | ggtttatcgc  | tgcaagtgat | gcattaaagt  | 3846300 |
| ggaatgccag  | tttctgaag   | tctgtagact | gacagtttgc  | tattccggca | tgttgcttgg  | 3846360 |
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| cacagctttc  | cagcgttg    | ttgtcaggtg | tctgtacaga  | gcccacagtc | atacattcat  | 3846900 |
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| ggagattgca  | gaaaagatgc  | ttcgtgataa | tggcatttat  | gatgtaaaag | taaccagcac  | 3847740 |
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| aggggtgacc  | aatgcttcca | accaccgtca  | ggcacaagat | gctctgaagt | cggccgccta  | 3848160 |
| tacatatgta  | gtggcagctt | taagctcgct  | ggctacactg | gtttattaca | ttacaatatt  | 3848220 |
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| tgggtccgaa  | ggacaggtat | gatgcttttg  | cgctttttta | tttggctggt | gcaagaaata  | 3848340 |
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| aaattttgat  | tcattatggc | tacaaaacc   | agtataccca | aaggaacaag | agatttttcg  | 3848460 |
| ccggtagaaa  | tggcgaaacg | taactatata  | ttcgatacca | tccgcgaagt | attttacctg  | 3848520 |
| tacggatttc  | agcagataga | aactccttcg  | atggagaacc | tgtctacgct | gatgggaaaa  | 3848580 |
| tacggcgagg  | aaggcgataa | gctgctgttc  | aagatacaga | attcgggaga | ttatttttcg  | 3848640 |
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| gaaaaaggct  | tgcgctacga | cctgacagtg  | ccttttgccc | gttacgtggt | gatgcaccgc  | 3848760 |
| gacgaaatca  | gcttcccgtt | caagcgtttc  | cagatacagc | cggatatggc | tgccgaccgt  | 3848820 |
| ccgcagaaa   | gacgttaccg | tgagttttat  | cagtgcgatg | ccgatgtggt | aggaagcaac  | 3848880 |
| tcgttgctga  | acgaagtggg | actggtacag  | atgattgatg | cggatttcaa | taagttcggc  | 3848940 |
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| ggagaagcag  | ataagattgt | cgacattacg  | gtagccatcg | acaagctgga | caagatcggt  | 3849060 |
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| gttctggctg  | ccagcgaaac | cggactgaag  | ggtgtggaag | aaagcgaatt | catcctgaag  | 3849240 |
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| cggggcaact  | gttcaagtgg | aagggacaac  | tacgggagtg | attaccgaca | tcgacgggcg  | 3850440 |
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| gcgtgcgctg  | atgatggaac | ggcagaaatc  | gagtgtggcc | atcgagaata | tcggtgccc   | 3850680 |
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| tttttttagt | ctgtcgttca  | ataccggagg | aaaattcaat  | accttaggaa  | aagatacgtg  | 3851040 |
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| tatggagctg | atcgattttg  | aagagtatgc | cgtaaacaat  | aaactgttta  | atacgaactt  | 3851160 |
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| gcgctggagc | ctgaactggg  | gtggctcgta | tagcaagact  | tcgagcgacg  | aacccgaccg  | 3851640 |
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| ggaaacgatg | cgttactttg  | gtacgctgga | cgagaaggag  | tgggtcggca  | gcctgtcggg  | 3851760 |
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| gagcgaagag | gcggtgtata  | cgccttccga | cttcctgaat  | caggaagcca  | tcgccagcgg  | 3851940 |
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| tatccgttac | gagaacagtc  | gtcagtggtg | gaattatgcc  | gacgacggcg  | gtaggatgca  | 3852120 |
| gcgtcgcgag | ctgaactgca  | acgacttggt | ccgggccatg  | aatttccggt  | accagttcga  | 3852180 |
| ccggaagaac | agccttcgtc  | tttcgttctc | ccgtacggta  | acccgtcctt  | cgtttatcga  | 3852240 |
| gatggctcct | ttcctctatc  | aggaatctta | cggttcggct  | cagattcgag  | gtaatgccga  | 3852300 |
| tttgcagaac | ggctacaatt  | ataatctgga | cttgcgctac  | gagttctttg  | gtgaggggtg  | 3852360 |
| cgatatgttc | tcggctacgg  | cttattacaa | gcatctggaa  | gaccctattg  | aacagataca  | 3852420 |
| gcagttgtcg | ggaggagcta  | cgatccattc | gttcacagaat | gccagcaacg  | gtatggctgc  | 3852480 |
| gggggtggaa | gtggaatttc  | gcaaagagct | ggtacgcgac  | ctgcgcttgg  | gtgccaatgc  | 3852540 |
| ttcgttcatg | tataccgacg  | taaaacttcc | tgaaggaggt  | gcgtatacca  | atacacagcg  | 3852600 |
| tgcgctgcaa | ggagcctctc  | cttacttggg | gaatgcagac  | ttgacgtaca  | gcccgaacatt | 3852660 |
| cggcgaaacc | aaacagttga  | gtacggcact | ggtgtacaac  | cttcagggac  | cgcgatttca  | 3852720 |
| gtcagtcggt | atctccggac  | tgggcgacgt | gaagcagcag  | cctgtacata  | ccctgaactt  | 3852780 |
| ttaggcagc  | tttaagttca  | gcgaaaaggt | agctgtcaag  | ttgcaggtga  | acgacttgct  | 3852840 |
| gaatcagccg | gtggtcttca  | agcaggaggt | tccctctacc  | ggagaaaaag  | tggaggtaga  | 3852900 |
| acgcttcaag | cgcggaagca  | acttcgagat | aggcattaca  | tataccttat  | aaaaaagaaa  | 3852960 |
| cagaacaaca | taaatttaaa  | ccattaactt | aaaacatttt  | gagtatgaga  | aaaaattgga  | 3853020 |
| aatttgcggc | aatgacattg  | gttgcaggta | tggctctttt  | tacaacagct  | tgcagtagtg  | 3853080 |
| ataacgatcc | tgccgcta    | acaggtaacg | gtaatacaga  | aggaaacggt  | aacggtacgg  | 3853140 |
| aagaatctta | tgtgctcgat  | aaagatatta | cggaaaacgt  | gacactggag  | accggcaaga  | 3853200 |
| actatacgct | caacggagggt | attcatgtaa | aggccggagc  | tacgcttacc  | attcagccgg  | 3853260 |
| gggtgaccat | tactgccaa   | catgacggaa | cggtagacta  | tatcttgggtg | gaacaggggtg | 3853320 |
| ccaagatcga | cgctcaggggt | actgcttcac | agcctatcgt  | tatgacttcc  | gaaaagaaag  | 3853380 |
| aagcgggtgc | atgggggtggc | ttgcataatc | gcggatacgc  | tcatacgaac  | aacggttcgg  | 3853440 |
| gtagctccga | aatcggtaac  | gctccttacg | gtggcaataa  | tgatgctgat  | aactcgggaa  | 3853500 |
| cgttgaaata | tatccgtctg  | gaatatacgg | gatatgcctt  | cgacgaagaa  | catgaggcca  | 3853560 |
| acggtgtttc | tttctacggc  | gtgggtaatg | gaacaactgt  | ggagcacttg  | caggcataca  | 3853620 |
| aaggttccga | cgacggattc  | gaatttttcg | gcggttctgt  | caatgtgaaa  | tacctggttg  | 3853680 |
| ctaccagctg | tagcgacgac  | tctttcgact | ggacggaagg  | ctggaacggt  | aaggcacaat  | 3853740 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| tcctggttgc  | ttatcaggaa  | ggagaaacgt  | cactgggcta  | tgcctgacgac | tgtctgatgg  | 3853800 |
| aatgtgacaa  | caacggtact  | aactttgcgg  | ctactccggt  | ggctcatccg  | gtcattgccca | 3853860 |
| atgcaacctt  | gatcggtaac  | gggggagagg  | ctcagggcgt  | acgcttgctg  | gctggaacag  | 3853920 |
| aagtggaaact | ttataacacg  | attataaccg  | gtaagggtaa  | ggccctgact  | gtagaaacag  | 3853980 |
| acgaaacaga  | aaatgccttg  | aagaacggta  | cttcgaaact  | ggaatatgta  | gcgattgccg  | 3854040 |
| gagaactttc  | ttctaaacag  | ggcatttata  | caaatgctga  | ttttgttcag  | gctacaggca  | 3854100 |
| acttgataa   | tcagaccttt  | acatggaaca  | ataagtatgt  | aggtacactc  | gacggtggta  | 3854160 |
| aggatttgtc  | ggccgacagc  | ttcttcactt  | cgactgatta  | caagggtgcc  | gtaaagagcg  | 3854220 |
| gtgaagactg  | gactgagggc  | tggacattgt  | aagaggggtg  | cgaacctgaa  | atggctgtct  | 3854280 |
| tgaatatctca | acagtcacgc  | tgacagggtga | aaataactaac | tggtaaataag | aatcatgagc  | 3854340 |
| tgtatcatga  | cttgacacaaa | gtttgatgca  | gctcattttt  | ttgtattttct | tgtatttttt  | 3854400 |
| cttgcatctc  | ttgcattgat  | cctgccgtga  | acattcttgt  | ttttgtacag  | ggaactattc  | 3854460 |
| tacttcttcc  | gtatttttct  | cctgactcga  | cagccgtgaa  | gagatttttc  | ttttgggagt  | 3854520 |
| aatacccagt  | tggcgaagca  | tctctgcctg  | acggatcaca  | tttccttttc  | ccgcagagag  | 3854580 |
| ctgattcaat  | gccgtatcgt  | aggcattgga  | agtcgttcgt  | aaggtttcgc  | ctatccgttc  | 3854640 |
| gaacgtttcg  | gtaaagctga  | ctagcttttc  | gtagagagcc  | gttcctcgct  | tgacgatttc  | 3854700 |
| acgcgtgttc  | ttctcctgat  | actcccgttt  | ccacaagtcg  | agagccagac  | gcagggcagc  | 3854760 |
| tatcagggtg  | gtagggctca  | tgagaaccac  | ctttttctta  | taggcataat  | tccagagggt  | 3854820 |
| cggatcggtc  | tggagggcaa  | gcacataagc  | cggttcgttg  | ggaatgaaca  | tcatgacaaa  | 3854880 |
| atccagcgac  | gacaagtcgt  | atttggaata  | gtccttctga  | ctaagctcat  | cgatatgcgc  | 3854940 |
| tctgaccgac  | gaaaggtgag  | ccttcaggta  | ttgttcctgc  | tcgttcctgg  | cggtagtgcc  | 3855000 |
| gatgtagttg  | gcataagccg  | tgagcgacac  | cttcgagtcg  | ataatcacct  | gccggttgct  | 3855060 |
| gggataactg  | accagcacgt  | cgggttgacg  | gcgttggtccg | ttctcgttgc  | gcagcggttc  | 3855120 |
| tccatgttcg  | tctttcagga  | actcctgacg  | gaaatattct  | tctccctccc  | gcagaccgga  | 3855180 |
| gttttcaaga  | atcgattcca  | gaatcatttc  | tccccagtta  | ccctgtgtct  | tggaatctcc  | 3855240 |
| cttcagcgca  | cgtgtcagggt | tattggcttc  | gtcgtgatc   | tgtttgttca  | gttgtaggag  | 3855300 |
| ttcttttatc  | ttgtcttcca  | gcgagaaacg  | ttgttcctgat | tccttgctgt  | atacttctgc  | 3855360 |
| cacctgatgc  | ttgaactcgt  | tcaggttttc  | gccgaacggc  | ttcagcagac  | tggaaaggct  | 3855420 |
| ttcggcactc  | aacttggtga  | aactttccgt  | tttctgctgg  | aatatcttgt  | tggcgatggt  | 3855480 |
| ttcaaattcc  | aggttgaaact | gtttgtggag  | ttctgccatt  | tcctctttct  | gatgttcgag  | 3855540 |
| tttctcttcg  | agcgcccgt   | tttcggctcg  | tagcgaagcc  | acctgacgac  | ttgtctccac  | 3855600 |
| gtattgctgg  | gttggtgctt  | ccacctgacg  | ctgtatacgc  | tggttctctt  | ccttgagctg  | 3855660 |
| ttccagagct  | gttgccgcct  | gacgtttctc  | tgcctgcagc  | agttcttctt  | gatgacttgc  | 3855720 |
| ctgcaagtgt  | agttgtgctt  | tcaacgcatt  | caactggcgg  | gaagctgcca  | gatatcccag  | 3855780 |
| cacccctccg  | actataaatg  | taagaataag  | gtaaagtatt  | tccatgtttt  | ttgttgtagt  | 3855840 |
| atgataaatt  | ccgtgtaaag  | atacggcgaa  | acttttaacc  | cgaagcagac  | tcgtgttcat  | 3855900 |
| attttctactg | gcagacgggg  | cttgcttttg  | gcagaagtgt  | cagtcggagt  | aaaagttttt  | 3855960 |
| ggcagagaaa  | aagtgcacaga | atgtcataaa  | taagtcgtgg  | cacgcttttc  | gtaagaggac  | 3856020 |
| aagtgtccct  | taaaaggaca  | ataaataaca  | tgtataataa  | caaataaaaa  | tataaagact  | 3856080 |
| atgaacatta  | aaccattagc  | agacagagtt  | ctgattcttc  | cggctcctgc  | agaagaaaaa  | 3856140 |
| acaatcggcg  | gtattattat  | tcctgataca  | gcgaaagaaa  | aaccattgca  | gggtgagatt  | 3856200 |
| gtggcagtag  | gaaatggcac  | aaaagacgaa  | gaaatgatat  | tgaaggtagg  | cgataccgta  | 3856260 |
| ttgtatggaa  | aatattcttg  | tacggaaatc  | gaacacgatg  | gtgttaaata  | tctgatgatg  | 3856320 |
| cgtcagagtg  | acgttcttgc  | gattttggga  | taattcatta  | gttggaacttt | taaacattta  | 3856380 |
| agattattat  | ggcaaaagat  | atttcttcca  | acattgacgc  | tcgcgatcag  | ttgaaaaaag  | 3856440 |
| gtgtagacga  | actggctaac  | gccgtgaaag  | tgacactggg  | tccgaaagga  | cgtaacgtta  | 3856500 |
| tcatcgaaaa  | gaaattcggg  | gctcctcata  | ttacaaagga  | tgggtgaaca  | gtggctaagg  | 3856560 |
| aagtagaact  | gagcgcgtct  | ttccagaaca  | caggtgcgca  | gctggtgaag  | tcggtggctt  | 3856620 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| cgaaaactgg  | agacgatgcg  | ggcgatggta  | caacaactgc | taccgtattg  | gctcaggcta  | 3856680 |
| tcgtaggcgt  | aggcttgaaa  | aacgttacag  | ccggtgcaaa | cccgatggac  | ttgaaacgtg  | 3856740 |
| gtatcgacaa  | ggcagttgct  | aagggttag   | aatcaatcaa | gtcacaggct  | gaaaccgtag  | 3856800 |
| gcgacaacta  | tgataagatt  | gaacaggttg  | ccagcatttc | tgcaaacaac  | gatccggtta  | 3856860 |
| tcggtaagct  | gattgctgat  | gctatgcgta  | aggtttctaa | ggatggtgtt  | atcactatcg  | 3856920 |
| aagaggctaa  | gggtacagat  | actactatcg  | gtgtagtaga | aggatgacag  | ttcgaccgtg  | 3856980 |
| gttatttgtc  | agcatacttc  | gtaactgata  | cagaaaagat | ggagtgtgta  | atggaacatc  | 3857040 |
| cttacatctt  | gatctacgat  | aagaagattt  | ctaacttgaa | agatttcttg  | cctatcttgg  | 3857100 |
| aaccggctgt  | tcagagcgga  | cgtccgttgc  | tggttatcgc | agaagatgta  | gatagcgaag  | 3857160 |
| cattgacaac  | attggttgta  | aaccgtctgc  | gtagccagtt | gaagatctgt  | gctgtgaagg  | 3857220 |
| ctccgggctt  | cggcgatcgt  | cgtaaagcca  | tgctggaaga | tatcgccgta  | ttgacagggtg | 3857280 |
| gtgtcggtat  | cagcgaagaa  | aagggttga   | aactggaaca | ggctactttg  | gaaatgttgg  | 3857340 |
| gtacttgcca  | taaagtaact  | atcacaaaag  | aaaatactac | tatcgtaaac  | ggtggtggtc  | 3857400 |
| agaaggaatt  | gattcaggaa  | cgtatcaacc  | agattaaggc | tgaaatgaag  | aattctactt  | 3857460 |
| ctgattacga  | taaagaaaaa  | cttcaggaa   | gtctggctaa | gttgctgggt  | ggtgtagctg  | 3857520 |
| ttctttacgt  | aggtgctgcc  | agcgaagtag  | aatgaagga  | aaagaaagac  | cgtgtagacg  | 3857580 |
| atgcattgtg  | cgcaactcgt  | gcagctatcg  | aagaaggtag | cgttccgggt  | ggtggcggtt  | 3857640 |
| cttacatccg  | tgcaatcgat  | gctctggaag  | gcttgaagg  | tgacaatgca  | gatgaaacta  | 3857700 |
| caggtagcga  | aatcatcaag  | cgtgctatcg  | aagaacctct | tcgccagatt  | gttgccaatg  | 3857760 |
| ctggtaaagga | aggtgcagta  | gtgttcaga   | aagttcgtga | aggtaaaggc  | gacttcggat  | 3857820 |
| acaatgcacg  | taccgatgtt  | tacgaacact  | tgcatgcagc | aggtgttgta  | gatcctgccca | 3857880 |
| aggttactcg  | tgtagctctt  | gaaaatgcag  | cttctatcgc | aggtatgttc  | ctgactacag  | 3857940 |
| aatgtgtcat  | cgttgaaaag  | aaagaagaga  | aagctgaaat | gccgatgggc  | gctccgggaa  | 3858000 |
| tgggcgggcat | gggcgggtatg | atgtaatctt  | cccctttcta | ataaataagg  | acctctcgtc  | 3858060 |
| ttgggtttca  | ctcagggcgg  | gagggttttt  | tgtgtctgta | ctttagggtta | tttctgattt  | 3858120 |
| tttttataac  | tttcccctg   | ctgaaataac  | attacaacaa | gaataattat  | gacgaaagaa  | 3858180 |
| gaactgatgc  | gtaaggcgat  | agaactttcg  | gtgcagaatg | ttgccgaagg  | tggtggaccg  | 3858240 |
| tttggggctg  | taattgccag  | aaacggggag  | ataatagcaa | tggtgtgtaa  | ccgggtaact  | 3858300 |
| cctgattgtg  | acccgactgc  | acatgccgaa  | gtgagcgcta | ttcgtacagc  | ggctaagata  | 3858360 |
| ttgggtactt  | tcgatttgaa  | cgggtgtgag  | atttatactt | cctgagagcc  | atgtccgatg  | 3858420 |
| tggttgaggag | ccatttactg  | ggcccatctg  | gacaggatgt | actatggcaa  | tagtaaaaag  | 3858480 |
| gatgcagcaa  | agattggttt  | cgatgatgcg  | tttatctatg | aagaactcga  | cttgaaaccg  | 3858540 |
| gaagatcgcc  | ggttaaaatc  | ggaagtgcgt  | ttgcccagg  | aagccattaa  | ggcttttcag  | 3858600 |
| gattgggaga  | acaaaacaga  | taaggtagag  | tattaatgtg | cttaaaaaat  | gaaagcacca  | 3858660 |
| ccgattacac  | tgattgctga  | atgattgcta  | agatgaacag | tgtaatctgt  | ggtgcttttt  | 3858720 |
| cttgacacac  | agcttaattt  | tgtatttgct  | tgtaaattta | cattttcatt  | tgcttttccg  | 3858780 |
| gtgtgctgat  | tgatcagtcg  | tgttatcgtg  | tcatggtttc | ccacagtctc  | aaatggtttt  | 3858840 |
| cttccattgt  | caggaaactc  | tttacgaata  | tttttttcag | tttcttaatc  | atctctagtt  | 3858900 |
| atcctgtttt  | tatgttttgc  | aacacaaaat  | tacaggtttt | agagatacgt  | tgttatgtta  | 3858960 |
| tatagtagaa  | aaattagctg  | ttttatttaa  | ttcttgacgt | aatcaattc   | ctaaaaagat  | 3859020 |
| tgagtctgtt  | tgaaccgcag  | gtaaaagtcc  | ctttgttaaa | atttcagccg  | gagaaattca  | 3859080 |
| ctttcgaagt  | tgggagtga   | tatacctttg  | cctaaattat | ctctaatttc  | ttccaaggctc | 3859140 |
| cagaaacgcc  | ctccgtccag  | ttcttctactg | ggtgcaatct | ccccgtcgta  | cgtcgtacga  | 3859200 |
| tgactgaata  | ccagttcttt  | ttctctatcc  | gattcgaaca | catagttagt  | cagcagttcc  | 3859260 |
| ggggtaaaagt | cggttatacc  | aagttcttcc  | cgcacttccc | gtttcaatgc  | catttccaca  | 3859320 |
| ctttctccca  | agtcgacatg  | tcctcctacc  | gaggtatccc | attttcccgg  | ttgaatatcc  | 3859380 |
| ttccatgccg  | gtcgtttctg  | taagtataat  | tctccttttg | aattgaaaac  | atgcaggtgt  | 3859440 |
| actaccggat  | gaagcagttt  | actgccgcta  | tgacattctt | ttcgggtagc  | ggctccggtt  | 3859500 |



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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atattgcctt  | cttcgtctac  | gatgggaaac  | atcttctcat  | tattgtcgag  | catagccttt  | 3859560 |
| tgaattaagt  | tgtacgttgc  | aaagatacgg  | aattttgtcg  | aaatacgtcg  | ggaaaggaaa  | 3859620 |
| aagggtagaag | gaaagaggct  | gaatcttatt  | gtgtaagcac  | aatgcgtatt  | cagcctctga  | 3859680 |
| tcagtgttat  | ggataaagga  | atcttcttatt | ttcttctatt  | gaaaactgtc  | ttttattctg  | 3859740 |
| ttagggaaca  | gcgatagagg  | gttggttctaa | tttcgatggg  | ttaaaacaat  | tctcttactt  | 3859800 |
| caagttggtg  | tgcgatgaag  | gaatcaattc  | gaaaatagcc  | ttgattcgct  | tcatgtcaaa  | 3859860 |
| tttaggtgta  | cggttgtagt  | aataaatacc  | gtttttctct  | tgttctacat  | ctgtgagctg  | 3859920 |
| cgtataacag  | aatcccatta  | catgtttggc  | atcttctcaag | gcttctactt  | gtccttgcag  | 3859980 |
| gcgcgtataa  | aactcttctt  | cggtttgtgg  | cagattaccg  | taccccatg   | aatttttgcg  | 3860040 |
| ttcttcggca  | ctcatccatc  | ctatgcccc   | gaattcatcg  | accatgtaag  | gctggccttc  | 3860100 |
| gtagacagcc  | agatactttt  | tgtcacggct  | attgcgataa  | ggttcttgcc  | cttccttgaa  | 3860160 |
| cgtcaattgt  | tcggctaagc  | gtttgccgtc  | ttgtcataa   | ttgtgtacac  | tccatatatc  | 3860220 |
| ggtcaggatg  | tgatcgtccc  | cactggcatc  | gttgataggg  | cgagtggaa   | ccatagcttt  | 3860280 |
| ggatcatgtga | tagatgtctc  | ggattaagcg  | tggataagca  | ccgtcgcggc  | ttcccatgt   | 3860340 |
| ttcgttgaaa  | ggagtccacg  | ttaccagtga  | gggatgattg  | cggtcgcgga  | ccacaatttc  | 3860400 |
| actccattcg  | ctgataaagt  | tgcgtgcggc  | cacttcgtcg  | ttgacatcca  | ttcccagct   | 3860460 |
| tgcactttcg  | ccccaagtga  | tgtatcctaa  | tttgtctgcc  | cagtaataat  | agcgctcttc  | 3860520 |
| gaacaccttt  | tgggtgcaagc | gtgcgccatt  | gaatcctgca  | ttcttgcccta | aaatgatatc  | 3860580 |
| gttcttaaga  | gcttcgtcag  | atggggctgt  | ccatataccg  | tcagggtaat  | atccttggtc  | 3860640 |
| taataaccagt | ctttggaaat  | aagggtgatt  | gttcagatag  | aatataccat  | tggcaatatg  | 3860700 |
| tattttacgc  | atgccggcat  | acgattcaac  | cttatcgagt  | acttgccccg  | acttatcctt  | 3860760 |
| taccagataa  | gtcagtccat  | acaagaaagg  | cgattctggt  | gaccataact  | tcatgttttt  | 3860820 |
| cacaggaagc  | actatacagg  | cattattgga  | acaggtagtc  | tgttttctgc  | tgataacttt  | 3860880 |
| atcaccgtct  | ttcagaatga  | cctccaagat  | attgtctgat  | tctttgtaga  | aacttggagt  | 3860940 |
| tgccaccaat  | tgtttctggt  | cgatgtcggg  | gcgcagtagc  | atatctttta  | aaccctcatt  | 3861000 |
| ggcaacagct  | tccatccaga  | ccgtttgcca  | gatacctgtg  | acgcgtgtat  | acgaacaacc  | 3861060 |
| accagagaag  | aagttggtgc  | attgttttcc  | gccggtctgt  | ttgcctcctc  | gcaaatacatc | 3861120 |
| ctttacttga  | atgaccagat  | tgtgggtatt  | tcctgccttt  | acaaagcgtg  | tgatatcgac  | 3861180 |
| agtaaacgac  | gagctgccac  | cccagtgttg  | ctggactttc  | tttccgtcga  | tgtacagtcc  | 3861240 |
| gcaccagtaa  | tctacagcac  | cgaaatgcag  | gaatatcttt  | tttccctgcc  | agtcggaggg  | 3861300 |
| tatagagatt  | tttctttgat  | accacataca  | atcttataaaa | tcgggtatgtt | tgactcccga  | 3861360 |
| caactcactt  | tccggacaga  | aaggtagtgt  | aatgttttga  | ctgaatttct  | ctgaactttg  | 3861420 |
| atattgtcgg  | tcgactccag  | actgtccaaa  | gtcaaagtcg  | aaagtccatg  | taccatttag  | 3861480 |
| attgatccag  | ctctctcggt  | caaattgagg  | tctgggatat  | tctttccgag  | gtaaatcgct  | 3861540 |
| ggccttggca  | taaaaagcca  | atgacagaaa  | gaatacgaca  | gcagtaaaga  | gttttttcat  | 3861600 |
| tgtttattga  | gtttaagttt  | taatgatttg  | agttattcat  | atgcattggg  | aaaagcactg  | 3861660 |
| atgcgcaaac  | gtgcagctcc  | catgggaatc  | agtgtgatgc  | tttctttttc  | tcctttgggt  | 3861720 |
| gcattcgctt  | cgggcaattc  | atgacatagc  | ccatattcat  | cgatcttcca  | cgaaggaacc  | 3861780 |
| ttgcgtcccc  | tagctttgat  | ttcaatcgga  | cagctttctt  | gcgtaaatgg  | gaaattgttg  | 3861840 |
| tcggggccagt | tcttgccaac  | gattttgaag  | tctttcaatg  | catcttcttt  | attcaagaca  | 3861900 |
| aaggcataat  | tccatgcaga  | tgccgggaat  | atctcgaatg  | aaggccagtt  | gcctgcgtcg  | 3861960 |
| gcaccttggt  | gccattggga  | gtctccgata  | gcagtctgac  | ggctgtcgcg  | tttgacgtat  | 3862020 |
| ctttctttta  | ttttaagcga  | aaaggtcagt  | ggcccgtagt  | caatacttac  | actgtttttg  | 3862080 |
| ttgacttgcc  | acgtacgcag  | actcaagtgc  | ataggaaccg  | tcagttcaat  | ggagtcataca | 3862140 |
| tcattccatg  | ttcgctggat  | acgggcataat | tgtccagccg  | taagcgggtg  | ttctgcactt  | 3862200 |
| tttccgttta  | ttttaagggga | agcatgccgt  | gtccatgacg  | gaatgcgcag  | atacagcgga  | 3862260 |
| aattcgggtg  | ctttctctgt  | ttgaatggac  | agacgaatac  | attcttcgaa  | agggtaatgt  | 3862320 |
| gtgttttcta  | tgattttgac  | cttctgatga  | ttacctacca  | ttatctcggc  | ttggcacgat  | 3862380 |

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|             |             |            |             |             |             |         |
|-------------|-------------|------------|-------------|-------------|-------------|---------|
| gcatataagg  | caacagcagc  | tccattatcc | ggagtagcca  | gtatcagatg  | ttcggcatag  | 3862440 |
| taaggccacc  | cttgagcatg  | gttgtgctgg | cagcaacggc  | aactgaacgg  | gttcatcgcc  | 3862500 |
| aaaaagggtc  | ccgagttgtc  | tatgcctgga | tgatgattct  | tggcatcgct  | ggtaatctgg  | 3862560 |
| ttcggacagg  | ttatataacg  | caatgcttta | aagtcgggca  | ttgtagctgc  | gggataagta  | 3862620 |
| ttaaatgcca  | catcttcaca  | gttttctgcc | caaaaaggat  | ctcctgaaat  | ttttagcata  | 3862680 |
| atttcgtcgg  | atgccatttg  | ttctaccatg | ccgcaggtct  | caactccctg  | acgtggatcg  | 3862740 |
| atatatccca  | tgcgagcatt  | ttcatcggct | ccgaacattc  | cacccggtac  | ttgtccgaaa  | 3862800 |
| gtccttcgga  | tgaggtgatg  | tacattatag | cttgccgcaa  | gcatggcaga  | atctttgttc  | 3862860 |
| agcatgtaat  | aagtagcagg  | ttctctgaaa | cactgagcta  | tattcacgtt  | gtgccagtta  | 3862920 |
| ggcaacgaag  | aggggtgggt  | ccagtcggct | gtattgcatg  | gaatTTTTTc  | cgcgagttca  | 3862980 |
| agaaggaagg  | attcgccagt  | atgattatat | aaccagtata  | cgctgagcag  | attatctccg  | 3863040 |
| ccacgactgt  | tttcccagta  | atcctccaga | aatttatcgt  | ctgccagact  | caactgccat  | 3863100 |
| ttaaagtact  | tagtcattaa  | gtcgagtacc | cgtgagtcac  | ttgaatactc  | gtaatacga   | 3863160 |
| tgcaggcacc  | agagcatgat  | catctgtgcc | cagagttcag  | gtttatctcc  | tctcatattg  | 3863220 |
| ataggaccga  | atgagccgtc  | gggtctctgg | ctctttaagg  | tagcctcgat  | ccagatttta  | 3863280 |
| gcttcatcaa  | tcatttgttg  | gtcttttaag | atatatgcca  | gatcgccata  | tcctttcagc  | 3863340 |
| cagtaaggaa  | cttcctccca  | tccgtgatcg | ccttgagtag  | tgagccacgc  | attattcttt  | 3863400 |
| ttttcgagcc  | atgcactgat  | ttcgttcaga | tgtccggtta  | agccgttctt  | ttgtcgtatc  | 3863460 |
| agatatctt   | taagccaacc  | ttcgggttgt | atgcttccca  | caggcagttt  | catgaagtgt  | 3863520 |
| tgtggcaata  | acggtaaagc  | gttattacta | tagttggaag  | ttgtatgggg  | gaaagtcgtt  | 3863580 |
| ctttcaacca  | ttgcaatatg  | ttcatcttgc | tgagaatttt  | ttacttgtac  | acaggccgat  | 3863640 |
| aatagtataa  | tggctgtagc  | gtaaagactt | gcttttttga  | tagggatgtt  | tttcataggt  | 3863700 |
| gaatggattt  | tctgtattgc  | aaaagttgtg | tttttcgata  | agaatcaaca  | aaaaaaatga  | 3863760 |
| gtagataaat  | gaaaaaaaact | gaccattttg | gctgtgatgg  | caagaaattt  | taaatctttg  | 3863820 |
| aagtcgggat  | aataaaattt  | gtgtactttt | gattaaaaca  | atagtctcgt  | aaaaattagc  | 3863880 |
| ccagcctaag  | cggctctggc  | agtaaataaa | atgagttctt  | tgaaaagttt  | gtcaattaat  | 3863940 |
| tgcgtgtttg  | gttcaatccc  | agacacgcaa | ataaatcgtt  | caagcatgta  | agcatttgtt  | 3864000 |
| atgactgact  | tgcagtgatg  | tatggaatat | tttattccca  | tcttcttaca  | ggcagccttg  | 3864060 |
| gcgaggttta  | tcgctgcaag  | tgatgcatta | aagtggaaatg | ccagtttcct  | gaagtctgta  | 3864120 |
| gactgacagt  | ttgtctattcc | ggcatgttgc | ttggcatccc  | gaaagcagaa  | ttcgagttgg  | 3864180 |
| aaacgtgttc  | tgtaaaagtc  | caggacatcc | tgtgcgttct  | gtatttcgtt  | tgtagagaaa  | 3864240 |
| tacagctgcc  | atttgtccgt  | tcttccatcc | atgggggtacc | atacagccag  | gctcacaag   | 3864300 |
| cgtttgagtg  | ctttggagta  | tgttttcagt | ccgtaaagtt  | tacccttggt  | cactttgtac  | 3864360 |
| tcggtacatc  | ttgtgatgtc  | cagattttca | aagtcaattt  | tctcgtcatg  | taattttgga  | 3864420 |
| cgcccgcgtt  | ttcctgtcct  | attttctaag | gtgggataaa  | acaatacggc  | atcattcctg  | 3864480 |
| aaacggctta  | ttacgtggaa  | accgttatcg | tacaatggtt  | tgatgaaagt  | tgcctttgaa  | 3864540 |
| aagaacgcat  | cacacacgac  | tgtgccagaa | atacgtttca  | gctgttcctg  | tatgctgata  | 3864600 |
| aggtaagagc  | tgtaccagtc  | aacaagattc | ttctcacagc  | tttccagcgt  | tgcgttgtca  | 3864660 |
| ggtgtctgta  | cagagcccaa  | agtcatacat | tcatggttgt  | caacgtctat  | aactccaata  | 3864720 |
| ccggttattt  | ccagtcacag  | tttgtattca | ccggcacaac  | cggaccagaa  | atagccaatc  | 3864780 |
| cacggcggtt  | tgtgcctga   | ttttggaatg | aaagacggat  | caacggctat  | cgccttgcca  | 3864840 |
| ccacctttaa  | ggtgttcctt  | gatgatggct | tcattgaagg  | aaaaccagtc  | aaagccgtcg  | 3864900 |
| ttctcaaaaat | tgttgcggtg  | tgtctgttcc | gagaaacatc  | cataccgtcc  | cattttgtagg | 3864960 |
| aaattgatgc  | ggtcagggtat | agccatgaat | aatttcatgt  | catccatgaa  | tactttctga  | 3865020 |
| aaagatttgc  | ttatattttac | agctgattcg | agagcgtttc  | tgcactcgga  | ttggtattgc  | 3865080 |
| ataaggagtg  | attcttttagt | cataattaaa | agtggatgaag | tacttctaata | ttactaaaaa  | 3865140 |
| tcagtgaatt  | atgaaatact  | ttttctgttg | attttcagct  | gttttagcata | tctttttcat  | 3865200 |
| cccttttctt  | actccttgac  | gatttattct | tgacagtatt  | tcaatgatct  | cttgaatata  | 3865260 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| atdddgaacc  | ggattatgcc  | gattctatgt  | ttaatdddtaa | tttatcggta  | aaaatdddacc | 3865320 |
| gaagtattga  | ttaaaaagga  | ggcatttata  | ggctaattgtt | ccgattgtaa  | cgttagatag  | 3865380 |
| ttggataatt  | gtatatttat  | gaaatcgaat  | atcattttct  | ttttgggggc  | aatgttggtg  | 3865440 |
| agtttagtgt  | cgtgtaagca  | tacgggaaca  | agtcagtcta  | aagtagaagg  | aaattatddd  | 3865500 |
| gttaatccta  | ttcttccttc  | gggaagtaat  | tcgaatgctt  | ttttctataa  | aggaaagtat  | 3865560 |
| tattacacgc  | atgaaacgaa  | cgacatgatt  | ctgctttggg  | aaacaagcga  | tatcacggat  | 3865620 |
| atggctcatg  | cgctctgcaa  | agaggtctgg  | cgaccaaccg  | atccgaaaag  | catgcataat  | 3865680 |
| ttatgggccc  | ccgaaataca  | tcggataaac  | gataaatggt  | atatttatta  | tgcggctgat  | 3865740 |
| gacggaaata  | cagataacca  | tcagatttat  | gtgttagaaa  | atgatgcgca  | gaatcctatg  | 3865800 |
| gaagggacat  | ttaaacagaa  | aggtcctgtt  | ctgactaacc  | gcgaatggaa  | ctgggggata  | 3865860 |
| catgcatcta  | cttttgtgta  | taagggaatc  | caatatctta  | tttggctctgg | gtggcccaag  | 3865920 |
| cgacgtatca  | cggaggaaac  | tcagtgtatt  | tacattgccca | agatgaaaaa  | tccatggact  | 3865980 |
| ttggatggag  | agcgtatcat  | gttgtcttct  | cctgaataca  | attgggaacg  | gcagtgggtg  | 3866040 |
| aatccggatg  | gaagccgtac  | ggcttatccg  | attdacgtaa  | acgaggcacc  | tgccttdtttc | 3866100 |
| cattccaagg  | acaataagaa  | attgattatt  | tattattcgg  | caagcgggtg  | ctggtctcct  | 3866160 |
| tattattgta  | tcggcatgct  | tacttgtgat  | gctggtgccg  | attdactgaa  | tccgaaatcc  | 3866220 |
| tggacgaagg  | caacagaacc  | tgtgttttat  | cagtctcctc  | aggacagtgt  | atggggaccg  | 3866280 |
| ggtagtccgt  | cattcatccc  | ttctcccgat  | agtacagagt  | ggtatatact  | ttataccgca  | 3866340 |
| agaaatatac  | ctaattggcat | aacgggagag  | agtgaaagcc  | gaagcccacg  | tctacagaaa  | 3866400 |
| atcacatggg  | ataaaaaata  | catgccggta  | ttgggaaaac  | cgttaccctg  | aagtacgtta  | 3866460 |
| ttgcccaaac  | catccggcat  | taaataaatg  | atacggatca  | caggactaag  | atcattcatc  | 3866520 |
| cggactatct  | ggtaaacgga  | gatgggaggt  | tttacaactt  | tctggacagc  | tgagtgtcct  | 3866580 |
| gctgttctgg  | aagcttgtcc  | acatcggttt  | ctgtctaaaa  | tgggcaaagg  | aattccttgc  | 3866640 |
| ctaactactaa | attdggcact  | acttggtagg  | gtggaatatg  | cgctaattta  | attctattaa  | 3866700 |
| cgagtaaatgt | ctatctattd  | tttttgaccg  | aatagtgtgc  | gaattaagcc  | aaatagtgtc  | 3866760 |
| ttcagaagct  | tcgatagtgc  | aaaatggaaa  | cttttcaagt  | tccgttattd  | tttgtttttg  | 3866820 |
| gttacattdg  | acaatacttc  | ggtaaatttd  | taccgataaa  | ttaaaattaa  | acatagaatc  | 3866880 |
| ggcataatcc  | ggttcaaaat  | tatattcaag  | agatcattga  | aatactgtca  | agaataaatc  | 3866940 |
| gtcaaggagt  | aagaaaaggg  | atgaaaaaga  | tatgctaaac  | agctgaaaat  | caacagaaaa  | 3867000 |
| agtattdtcat | aattcactga  | tttttagtaa  | attagaagta  | cttcaccact  | tttaattatg  | 3867060 |
| actaaagaat  | cactccttat  | gcaataccaa  | tccgagtgca  | gaaacgctct  | cgaatcagct  | 3867120 |
| gtaaatataa  | gcaaactctt  | tcagaaaagta | ttcatggatg  | caatgaaatt  | attcatggct  | 3867180 |
| atacttgacc  | gcatcaattd  | cctacaaatg  | ggacggtatg  | gatgtttctc  | ggaacagaca  | 3867240 |
| taccgcaaca  | attdttgagaa | cgacggcttd  | gactggtttd  | ccttcaatga  | agccatcatc  | 3867300 |
| agggaacacc  | ttaaagggtg  | tcgcaaggcg  | atagccgttg  | atccgtcttd  | cattccaaaa  | 3867360 |
| tcaggcgagca | aaacgccgtg  | gattggctat  | ttctggctcg  | gttgtgccgg  | tgaatacaaa  | 3867420 |
| cgtggactgg  | aaataaccgg  | tattggagtt  | atagacgttg  | acaaccatga  | atgtatgact  | 3867480 |
| ttgggctctg  | tacagacacc  | tgacaacgca  | acgctggaaa  | gctgtgagaa  | gaatcttggt  | 3867540 |
| gactggtaca  | gctcttacct  | tatcagcata  | caggaaacagc | tgaaacgtat  | ttctggcaca  | 3867600 |
| gtcgtgtgtg  | atgcgttctt  | ttcaaaggca  | actttcatca  | aaccattgta  | cgataacggt  | 3867660 |
| ttccacgtaa  | taagccgttd  | caggaaatgat | gccgtattgt  | tttatcccac  | cttagaaaaat | 3867720 |
| aggacaggaa  | aacgcggacg  | tccaaaatta  | catgacgaga  | aaattgactt  | tgaaaatctg  | 3867780 |
| gacatcacaa  | gatgtaccga  | gtacaaagtg  | aacaagggtta | aactttacgg  | actgaaagca  | 3867840 |
| tactccaaaag | cactcaaacg  | cttdgtgagc  | ctggctgtat  | ggtaccccat  | ggatggaaga  | 3867900 |
| acggacaaaat | ggcagctgta  | tttctctaca  | aacgaaatac  | agaacgcaca  | ggatgtcctg  | 3867960 |
| gacttdttaca | gaacacgttd  | ccaactcgaa  | ttctgcttdc  | gggatgccaa  | gcaacatgcc  | 3868020 |
| ggaatagcaa  | actgtcagtc  | tacagacttc  | aggaaactgg  | cattccactt  | taatgcatca  | 3868080 |
| cttgacgcga  | taaacctcgc  | caaggctgcc  | tgtagaagaa  | tgggaataaa  | atattccata  | 3868140 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| tcatcatgca  | agtcagtc   | acacaatgct  | tacatgcttg  | aacgatttat  | ttgcgtgtct  | 3868200 |
| gggattgaac  | caaacacgca | attaattgac  | aaacttttca  | aagaactcat  | tttattttact | 3868260 |
| gccagagccg  | cttaggctgg | gctaattttt  | aacgaactat  | tgatttgaaa  | caaagaaaca  | 3868320 |
| aattccgtgt  | ggttggaat  | gactacattt  | agttgtctat  | tattataggg  | acgacaagga  | 3868380 |
| atttagaagg  | cttaaagcca | tggacacatt  | gtctaattgt  | aacaaaaaac  | gagaggatga  | 3868440 |
| agtgatctct  | caagacgttg | gatttacctc  | caaagttccc  | ctcaaaaaac  | ctgatataatc | 3868500 |
| gggtgaggtg  | tcggtaaagt | atgtcccggg  | tgtgaataag  | agatggtttg  | tgttgagagt  | 3868560 |
| cacatacggg  | cgggaacgca | aagcatacga  | ttttattatg  | aacgaccata  | cggaggcata  | 3868620 |
| ccttccgatg  | tgttatgtac | agaagatata  | caatgggaag  | aagaaacgta  | ttttaacgctc | 3868680 |
| tcttcttccc  | aattttcttt | ttgtctatgc  | gactcctgaa  | aaagtggaga  | aatatgtgaa  | 3868740 |
| gcagactcct  | gaactccatt | atctgactta  | ttattacaat  | catttcaaag  | tcggagaatt  | 3868800 |
| tggtaaaaaat | cctcctttga | ctgtagggtg  | taatgaaatg  | atgaatttta  | tccgtgtaac  | 3868860 |
| aagtctgaat  | aatgaacatg | ttcgtttggg  | tgaatctcaa  | cattgtcatt  | ataagagtgg  | 3868920 |
| ggataaggtc  | cggattgttg | atggtgattt  | tgctgggtgt  | gaagggagag  | ttgcaagagt  | 3868980 |
| agctggtcag  | cagcgggtag | tgatagaact  | tcctgggtgt  | tgctgggtgg  | ccacggcgta  | 3869040 |
| tataccgacg  | gctttcatta | agcctattcc  | gtcagtaagc  | gaaaaataga  | ctcgttttagc | 3869100 |
| aagtagaaat  | atacaagagt | attatatggt  | aatccttaaa  | aatgtttataa | tattatgaga  | 3869160 |
| tgcaagaatt  | gtggctggcc | taataagcca  | aatgaaagag  | tttgtgtgaa  | atgtcatgct  | 3869220 |
| ccattaagtg  | ctgatgatga | ttctatagaa  | agagaagtgg  | gtggtagtga  | aggagatgct  | 3869280 |
| tctttaagca  | agacgggatg | tgaggaggat  | gttttcggtc  | aaagtatgaa  | tgaaccatat  | 3869340 |
| ccttctggca  | ataatcaggc | tgagacatcc  | gaggaaaaga  | ctaaaccatg  | tccgaagtgt  | 3869400 |
| ggctatcctg  | tacgtatagg | aacagagaaa  | tgtccgaact  | gcaagttccc  | tgtttcacaa  | 3869460 |
| ggtggaggaa  | ccagtcagcg | acagcctact  | gtaacggtag  | acaacccgaa  | atcggaggaa  | 3869520 |
| tctcattttc  | gtcctaccag | aatgaatcca  | gaagaaaaca  | gaaccaccgg  | attccgtgga  | 3869580 |
| accatcaatc  | catatatgat | gaatatggag  | atggaaccta  | catttgtatt  | gaaacctatc  | 3869640 |
| agacggatga  | atgagcgaca | cgagctggac  | gagcaggaat  | acgaagggaa  | ggaaatctct  | 3869700 |
| ttaaaccgtg  | caaatacggg | acccaataat  | tcgtctatta  | cgtcgcgtca  | gcaggctatc  | 3869760 |
| gtaactcgta  | tagacggacg | ttggtatata  | gaagacaaga  | gtgaacagaa  | aaccacgttc  | 3869820 |
| gtacaggctg  | ccaagcgtat | cgagttacat  | gacggggata  | ttattttgtt  | gggaaaccgg  | 3869880 |
| ttgtttgaat  | ttcatgaata | aatctgtata  | gcgatgtctg  | ttgttcagcg  | atgtgatttc  | 3869940 |
| tttatagggtg | acaggatcga | ccatcatttt  | cagggtgcaga | agatactggg  | agaaggttct  | 3870000 |
| ttcggaaaagg | tatatgtctg | gacagatcct  | aacggcgagc  | tgaggcact   | gaaactcctg  | 3870060 |
| aaattgtggg  | aagtccttc  | cgaaatccga  | gcttcattga  | tggcacgttt  | tgacatggag  | 3870120 |
| ttcgagacgg  | gacgtataga | cagcaaatac  | ctggtccatt  | ctattgcgca  | tggtactgta  | 3870180 |
| aacggaaaatc | catatatgtt | aatggagtat  | gttcctaatt  | gtgacttggt  | gagtatcgta  | 3870240 |
| gccagcaaat  | atgtggattt | gactaaagta  | gctacccatg  | tattgtatgg  | tctgaaagcc  | 3870300 |
| ttgcatagt   | gtggaaaagt | acatcgggat  | ctgaagccgg  | agaatgttct  | ggtgaagaag  | 3870360 |
| aacggcgatt  | atgcactgac | ggacttcggc  | atatccggcg  | atagaaacaa  | gcgaatgacc  | 3870420 |
| gagcgggaata | ttttggggaa | acctaaacag  | atattcggga  | catacgctta  | tatgccaccc  | 3870480 |
| gaacagctga  | atccgcgtaa | agacgtacg   | gtgcttccta  | ctaccgatat  | tttttccttt  | 3870540 |
| ggagtaaatga | tgatcagct  | cattaccaac  | cgccttcctt  | ttggtcaact  | ggctttggaa  | 3870600 |
| cgagacttgg  | taagttatct | gcgccggggg  | aaaaatgggtg | actgggacaa  | ggactatctg  | 3870660 |
| atgagccttc  | cttctggtaa | agactgggtat | cagttaattg  | acggatgtct  | tattccaaat  | 3870720 |
| tttcaagatc  | gtcttcagac | ggtagagaag  | gtactggagc  | ttgttccgca  | agttcagcgt  | 3870780 |
| gtacagcaaa  | cgattgtgga | agaaggaaaa  | gattttcaga  | cgaggattgt  | caatggagtt  | 3870840 |
| ttgctgcgta  | tcatgcaggg | agaggaattc  | ggcagggtat  | ataagctgga  | tgacatgctc  | 3870900 |
| cgcggagagt  | cttccatctt | acgtatggga  | cgtatggatg  | aaggcgtata  | caatgatatc  | 3870960 |
| gctatccggg  | aagagaacag | cagttatatt  | tcccggaaac  | attgtacact  | ggaattggac  | 3871020 |

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|             |             |             |            |             |             |         |
|-------------|-------------|-------------|------------|-------------|-------------|---------|
| tacgatattg  | gttcgtgggt  | catcagggat  | ggacaatggg | acagatgtga  | gaccgggtgga | 3871080 |
| tggaggaagt  | cgacgaacgg  | tacttatgtg  | aattccagag | aggtctcgat  | caacggattg  | 3871140 |
| cctttcagcc  | cgggtgatat  | catatcaatt  | ggagatacca | aactacgtgc  | agaagcatat  | 3871200 |
| taaaaatgaag | tataacgaat  | aaaataatca  | gattatgggt | ggcatacca   | ctaaacctta  | 3871260 |
| taaaaaatact | ttatccgggt  | cggtaggagc  | cggaatgggg | tcaatttttg  | ctccgggtgg  | 3871320 |
| aaagaaatat  | tatatactgg  | agcataaagt  | aagtagtaaa | tatcatcggg  | caggagaatg  | 3871380 |
| tcaggaaatt  | attgtagata  | acattacact  | gggacgtgat | tcacattgtc  | aggtacgttt  | 3871440 |
| cgatgaaagt  | ttcaagactg  | tatcgcgccg  | tcatgcagcc | atcgtaaaag  | atggggacat  | 3871500 |
| gtggaaaactg | gtacagattt  | cccagacgaa  | ttctactttc | ctgaacgggc  | gccccatcaa  | 3871560 |
| gacggaatgg  | tatctgcaga  | acggcgatga  | aattcaactc | tccgtaaacg  | ggcctaaact  | 3871620 |
| gggattcatt  | atcccgaccg  | ggaaaaaatc  | gacagtaggt | tccattgggtc | tgaccgcgag  | 3871680 |
| actcagtctg  | ttcagacagc  | aggctttgag  | accttataaa | acggcaatca  | ctgtattgtc  | 3871740 |
| gtgcatactt  | gtgctggctg  | taggtggatt  | ggctacatgg | ggatttacac  | tgaatgatag  | 3871800 |
| gcttaaaatg  | caaagtcagt  | ctttagctga  | tcagataatt | cttgcaaaag  | gtaatcaggc  | 3871860 |
| actgattgat  | tcactgaata  | aagaactcgt  | cgtagccaat | caaaaaataa  | cagatagtga  | 3871920 |
| aaagaaaactg | actgaaatca  | agactaattt  | aggaaatata | aaagaggtag  | ttgttcagca  | 3871980 |
| gcaaaaaggta | caaacggaga  | ataagataga  | tatcactccc | tatttttaagg | atatctttgt  | 3872040 |
| tttaacttgt  | aagatgtatt  | atgaagggaa  | tcttgtaact | ggatggagtg  | gaacagggtt  | 3872100 |
| cttggtgaat  | aacggatatt  | tggttacagc  | acaacatatg | attcattatg  | acgctttcgc  | 3872160 |
| tttaaagaag  | gtaaaagacc  | ctcaagatcc  | gacaaaagaa | attgtgattt  | ttgatccgga  | 3872220 |
| tgatgagtca  | aattacaata  | cttcggtaaa  | tttttaccga | taaattaaaa  | ttaaacatag  | 3872280 |
| aatcggcata  | atccggttca  | aaattatatt  | caagagatca | ttgaaatact  | gtcaagaata  | 3872340 |
| aatcgtaag   | gagtaagaaa  | agggatgaaa  | aagatatgct | aaacagctga  | aaatcaacag  | 3872400 |
| aaaaagtatt  | tcataattca  | ctgattttta  | gtaaattaga | agtacttcac  | cacttttaat  | 3872460 |
| tatgactaaa  | gaatcactcc  | ttatgcaata  | ccaatccgag | tgcagaaacg  | ctctcgaatc  | 3872520 |
| agctgtaaat  | ataagcaaat  | cttttcagaa  | agtattcatg | gatgcaatga  | aattattcat  | 3872580 |
| ggctatacct  | gaccgcatca  | atttcctaca  | aatgggacgg | tatggatgtt  | tctcgggaaca | 3872640 |
| gacataccgc  | aacaattttg  | agaacgacgg  | ctttgactgg | ttttccttca  | atgaagccat  | 3872700 |
| catcagggaa  | caccttaaa   | gtggtcgcaa  | ggcgatagcc | gttgatccgt  | ctttcattcc  | 3872760 |
| aaaatcaggc  | agcaaaacgc  | cgtggattgg  | ctattttctg | tccggttgtg  | ccgggtgaata | 3872820 |
| caaacgtgga  | ctggaaataa  | ccggtattgg  | agttatagac | gttgacaacc  | atgaatgtat  | 3872880 |
| gactttgggc  | tctgtacaga  | cacctgacaa  | cgcaacgctg | gaaagctgtg  | agaagaatct  | 3872940 |
| tgttgactgg  | tacagctctt  | accttatcag  | catacaggaa | cagctgaaac  | gtattttctg  | 3873000 |
| cacagtcgtg  | tgtgatgcgt  | tcttttcaaa  | ggcaactttc | atcaaaccat  | tgtacgataa  | 3873060 |
| cggtttccac  | gtaataagcc  | gtttcaggaa  | tgatgccgta | ttgtttttatc | ccaccttaga  | 3873120 |
| aaataggaca  | ggaaaacgcg  | gacgtccaaa  | attacatgac | gagaaaaattg | actttgaaaa  | 3873180 |
| tctggacatc  | acaagatgta  | ccgagtacaa  | agtgaacaag | ggtaaacttt  | acggactgaa  | 3873240 |
| agcatactcc  | aaagcactca  | aacgctttgt  | gagcctggct | gtatggtacc  | ccatggatgg  | 3873300 |
| aagaacggac  | aaatggcagc  | tgtattttct  | tacaaacgaa | atacagaacg  | cacaggatgt  | 3873360 |
| cctggacttt  | tacagaacac  | gtttccaact  | cgaattctgc | tttcgggatg  | ccaagcaaca  | 3873420 |
| tgccggaata  | gcaaactgtc  | agtctacaga  | cttcaggaaa | ctggcattcc  | acttttaatgc | 3873480 |
| atcacttgca  | gcgataaacc  | tcgccaaggc  | tgctgtgaag | aagatgggaa  | taaaatatct  | 3873540 |
| catatcatca  | tgcaagtcag  | tcatacacia  | tgcttacatg | cttgaacgat  | ttattttgcgt | 3873600 |
| gtctgggatt  | gaaccaaaaca | cgcaattaat  | tgacaaactt | ttcaaagaac  | tcatttttatt | 3873660 |
| tactgccaga  | gccgcttagg  | ctgggctaata | ttttaacgaa | ctattgaaat  | tatataaatg  | 3873720 |
| catattatta  | tgccggtctt  | ataaaaagtgg | taatggaagg | tattttctaca | gaaggtaaga  | 3873780 |
| taaagataga  | atattcatac  | aatgatatgc  | cgtttaagtt | gggagaaaca  | gaaatggcag  | 3873840 |
| aagagaaaatt | cgtggatgaa  | tccggacgta  | gctgggttgt | tagagcccat  | aattacaggg  | 3873900 |

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|            |            |             |            |            |            |         |
|------------|------------|-------------|------------|------------|------------|---------|
| gaggtgattg | ggcatacatg | aagattgaca  | aaacgggacg | tattgagtat | gatgcagact | 3873960 |
| actccatgaa | tctgcctgtc | cagactccgt  | tgtcaattgt | cggtttccct | gccaatcagg | 3874020 |
| gtgaaacagt | aaatggacag | atttctccta  | tcgtatctca | ggctattact | tccagacaag | 3874080 |
| gactggaaga | tgatggaacc | attaaaacat  | caaatgataa | ttctgaccat | ggaaattcag | 3874140 |
| gtggtcctgt | ctttgcagtc | aaggatggga  | aatatattgt | tgtaggtatt | ttgtcaggag | 3874200 |
| ctgatccagg | agctgactca | atgaaaggta  | gagtcgttcc | gataggtgct | atattttaa  | 3874260 |
| gattgtcata | tgagaaagat | tatttttatc  | gttaattttt | tattgctctc | tgtctcaagt | 3874320 |
| tttgctcagt | tttcattagg | gcagagtatc  | gggcaacaat | atgttgagaa | cgctgtacga | 3874380 |
| actggtcttt | ttcttataaa | gcatagtttt  | agaatttgtg | acgagaaatc | gggtgatttg | 3874440 |
| tttggtcttg | atggaaaaga | tgaatttgga  | tcacagtatg | cttttgaggt | aaaagtaccg | 3874500 |
| ggtggaattt | tattgaccaa | taggagtgtc  | tgtccgtggg | tatatgatgt | caattttgaa | 3874560 |
| aaatataaag | acgattatag | tccggtgctt  | tttcaggcct | tgtattcggg | gctggaggaa | 3874620 |
| actccaaaat | atgacttgct | tgattatgaa  | tatgacaaaa | aagaagtagt | ggtagatata | 3874680 |
| gccgtatata | gattcatgtc | cagtactttt  | gacggtaaag | gctttacgtt | agacaatacg | 3874740 |
| actgggaaaa | aagacggatg | gattatatgg  | gttgttgctc | atgaaaattc | taattcagaa | 3874800 |
| agtaatgtcc | agttggattt | tttggtttat  | cggaaagaaa | ttacggttta | caaaaacgga | 3874860 |
| cagtggattg | aagtggacaa | accggatgga  | aaacagaaga | tcttgggggg | aatctatgta | 3874920 |
| gttcctactt | ttaaggaggt | tggcattatt  | gaattccaat | tatgtggagt | ccttgctcag | 3874980 |
| gcaaatactt | cctggagaat | atattgtcct  | tttatcgga  | aatcggaag  | taaaatagag | 3875040 |
| caaatagata | accaacagag | ctctgatgcc  | gagttgactc | caataggtaa | aagtaagaaa | 3875100 |
| gacaaagcga | aaaacaagaa | aagtcggaaa  | tgaatacaat | gaaaatcaga | ctggcggcaa | 3875160 |
| aaaccgatat | ggggattgtc | cgcacaaaca  | atgaagataa | tttccaggta | gcagccgacc | 3875220 |
| ttacttcaga | taaaatgcag | tggataaaca  | atgaggctta | ttcattagga | gaaaagggaa | 3875280 |
| cgctgctggg | cgtagccgat | ggaatgggag  | gtatgaatgc | cgggtgaagt | gcttctgagc | 3875340 |
| tggccattga | aacggtacgt | gagtatttct  | cttcggatag | attgacagac | gaagtgtca  | 3875400 |
| aaaaccgcta | ttccatcgag | aaatacatga  | atgaagtgat | tgttgaggct | gatgcgcgga | 3875460 |
| ttaaacagga | agccaaacgg | cgtccggaaa  | ctcgtggcat | ggggacaaca | atcgtgatcg | 3875520 |
| gatggatact | ggatggtaaa | ctgtatgttt  | cctggtgtgg | agacagccgg | gcatatgtct | 3875580 |
| ataatccggt | ggccggactg | catcagattt  | caaaagacca | ttcgtatgtg | caaggactgg | 3875640 |
| tagataaagg | ggctatttct | aaggaagatg  | ctttcgacta | tcctgacagt | aacatcataa | 3875700 |
| cccgttcgct | gagtgacgga | acagccaaag  | cgaaccaga  | atcgctgctg | aagccttatg | 3875760 |
| aatttgttga | tggggatata | gtccttttat  | gtaccgacgg | attgaacgga | atgcttagag | 3875820 |
| agagtgaat  | agaggatgtc | attcggata   | atgaagcgga | catggactgt | ctggctgacg | 3875880 |
| aattgattaa | ggctgcctgt | gaagcggccg  | gttcggataa | tatcacaatc | tgtctctgtc | 3875940 |
| agattctgga | aggaggaggc | gtctgtatgc  | cggatacttt | cgagagtttc | gataaccgtc | 3876000 |
| tggccgggaa | gcagcgactg | gatacgagag  | ttccccagca | tgatacagaa | gaaacggtca | 3876060 |
| aatggtatcg | aaagaaaacc | tttataggct  | tgatgattgc | atttgttttg | gtcctgattg | 3876120 |
| gtggaggatg | ctggttttgg | atgcaaaaata | agggcgagag | tcagggtgaa | atgaaggccg | 3876180 |
| aaggagataa | gaaagataca | gaaaaggatg  | gaaaagctca | gtccgcaaca | gatacaactg | 3876240 |
| agatgagaac | ggaaactcct | tcacgtaccg  | aaaaaaca   | tccaagtaag | agcactaagg | 3876300 |
| aacagaatga | aacgggtgcc | cctctgtctg  | tttctactga | aatagagaat | agtctggaac | 3876360 |
| aaattagcgg | tgtaaagtaa | ccggagaaaa  | ctggagagaa | aaaaaaggag | gaacctaggc | 3876420 |
| tgacactgat | acatgataat | gaaccagaac  | atgctggaga | gaaaaaggaa | cagaatacga | 3876480 |
| gaggtcaaga | acctgaaaag | caaaaagaaga | gtgatgagga | tactcaaggg | gctgtccatc | 3876540 |
| cggattcaac | ccatacccaa | cagtatcagg  | taaaagaagg | agaaacttat | ttctctatag | 3876600 |
| caaaaaagtt | cagtatatca | gctgaagaac  | tgatgtcaat | gaacaataca | aaaaacacca | 3876660 |
| ggctgaatgc | gggtgatata | atattgggtc  | ccaaaaaatg | aaggctatga | acaacaagag | 3876720 |
| aattacaatt | ggaagagctc | ctggtagtaa  | tatccgtatc | gaggaacggg | gggatacagt | 3876780 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| gagcaatgaa  | catgcagaga | ttgaagctat  | aggcaatagt  | ctgttatttt  | atgaccatag  | 3876840 |
| ttcaaacggg  | acaattatca | acgggcagaa  | gattcataat  | acaaatgtac  | caatttatcc  | 3876900 |
| gggtgatgaa  | atcctgttgg | caggtgtcta  | tagattggat  | tgggagatac  | ttgagcgttt  | 3876960 |
| tttccccatt  | ttccgtagac | cgactgtaac  | caagaatatc  | cacggagagg  | taggcagaag  | 3877020 |
| tactgtacgt  | aaagatgtct | atgcggagag  | ggactatgat  | aatcgccaga  | gtggacgtaa  | 3877080 |
| gacagagccc  | tttaactata | acaagatagg  | tgggtgaaac  | gattcaggct  | atcagattca  | 3877140 |
| tcaggaaagg  | gaaaataact | acggtcaggc  | aaatgcttat  | tcgcaggcag  | agatagacaa  | 3877200 |
| ggaacttgaa  | aaatggaact | ggggagcctt  | tttctgtacc  | tggttatggg  | gtatattcca  | 3877260 |
| tcggatgtat  | tggcctttgc | tgattttggg  | agtggcggcc  | attccttacc  | tcggacaggt  | 3877320 |
| atgcagcata  | ggtctctgcg | tgtatatggg  | actgaagggg  | tccagaattg  | cctgggacag  | 3877380 |
| cggtaaatac  | aaagattttg | aaagctacaa  | gaatgccag   | cgtaattggg  | cgattgctgg  | 3877440 |
| attgatctgg  | tttatcattt | ctgtatctgc  | ttcagcattt  | ctggtttata  | ctactttatc  | 3877500 |
| tatgatatga  | tataaattcg | ggcattatgg  | aactcagaaa  | aggatattta  | tttcatgata  | 3877560 |
| gatacttatt  | ggtagcatct | cttggaagtg  | gtgcttccgc  | agaagtatgg  | aaagcaaagg  | 3877620 |
| atacgaaggc  | gaataatctg | acggtcgctt  | tgaagatttt  | ctctgaacat  | tcagaattcg  | 3877680 |
| acacctatgg  | cttacagaat | ttcaaacgtg  | agtttactac  | gggtgtacaac | atgaaacagt  | 3877740 |
| cgaatctgtt  | accgcctacc | ggatatgatg  | tctgctgcagg | aaggccttac  | ctgattatgc  | 3877800 |
| agtattgtga  | aaacggatca | tgcagtagta  | tggctcggaag | gatggaagag  | gaggatatca  | 3877860 |
| tcaagtttct  | gcatgatgtg | gctgcaggac  | tggaatacct  | gcatgaccat  | aacatcattc  | 3877920 |
| atctggatat  | caagccggac | aatatcctgc  | tggacgacaa  | ctgtaatttt  | ctgggtgacag | 3877980 |
| atttcggtat  | cagtgtcagt | ggaaatagtg  | acatcagtga  | ttcgaacgga  | atgtcggggg  | 3878040 |
| gaacccgtgc  | ttacatggct | cctgaacggg  | ttgagggaaa  | tacggcgaat  | gccagtgata  | 3878100 |
| tctggtcgct  | gggagcaacg | gctgtggaac  | tgcttaccgg  | tactcctcct  | tatggagaac  | 3878160 |
| acggtggact  | acttcaagcg | gaggggtgaac | cacttcctga  | acttcctaaa  | ttacagccgg  | 3878220 |
| aagtgaaggg  | gatgatcatg | agatgtctgg  | aacttgacc   | gagcaagcga  | atccggggcca | 3878280 |
| atgaaatccg  | acagaagata | gaactttttt  | gggaaaccgg  | atcgtgggtt  | aaacattcac  | 3878340 |
| gtaagcagac  | catcgccata | ttgcttaccg  | tggctgcgtc  | tgtattgatg  | tgtgcaggta  | 3878400 |
| tcttcctgtg  | ggattatacc | cgtacgaaaag | tctattatta  | caaggattat  | tgtgaacatt  | 3878460 |
| ggggagtgcc  | cgaaggatc  | ggcagattga  | gccgcaatga  | ggtacagcac  | cgtgagaggt  | 3878520 |
| cttatcggtt  | tgagtaccag | aagggtcagg  | tgagacgttt  | gacgttggtg  | aatttctaaag | 3878580 |
| gaaaggtagc  | caatcataca | gatacagagt  | tgatagccag  | tcgtttctcg  | gatgtttgct  | 3878640 |
| actcctatac  | cgaagatgga | aatctggata  | acatgttcat  | ttacgactcg  | aatggaaaga  | 3878700 |
| tgctgtttaa  | actggatttt | gatgaaaact  | tacaaaccgc  | tactttccgg  | cagaatgaca  | 3878760 |
| aaaacggtac  | ggagatgaac | ctgaatgcca  | acataaatga  | cctgtataag  | cagaattccg  | 3878820 |
| gagtgtggga  | ggagaaaagc | catatctcac  | gctatctgct  | gacgtatgat  | aaggatgggtc | 3878880 |
| tgttggtaga  | acgacgttat | gctgctttcc  | agaatgtacc  | ggcctgtgac  | cgtgacagaa  | 3878940 |
| tttatggaca  | gaggtataag | tatgatgaga  | aaggtagaaa  | gatagaagaa  | acattttgtag | 3879000 |
| gggcagacgg  | cagtgtgaca | agtaataaga  | atggactggc  | tatcaagggtc | tatacctatg  | 3879060 |
| atgagaatga  | cgactggacc | tctgttacct  | atctggatgc  | tgaaggaac   | gcctcacacg  | 3879120 |
| atggcaataa  | ttgcccgttg | gtgaagttgg  | aatatgacga  | gtatggaac   | cgaatcaaag  | 3879180 |
| aatcttatta  | tacactggat | ggtgttcctt  | cgatacgtac  | ggatgtaaat  | gtgtctgggtt | 3879240 |
| tcatgtatga  | atacgaccag | caaggctttc  | gtgttaaaca  | atcttgtttc  | ggagtagacg  | 3879300 |
| gcaagtggc   | ttactgtacc | tttgatacag  | taacggtaga  | aaattcctat  | aatgagaatg  | 3879360 |
| gatatctggg  | aaaggaaatg | tatttggtatg | aagacggtaa  | tccgacctta  | tacaatgatg  | 3879420 |
| gaacagacag  | ctactgttcc | gtttcgtcga  | aacctaataa  | aacggggctc  | cctctggaaa  | 3879480 |
| taagtatatgc | agatgagaac | ggaagcccga  | cagaactttc  | aatgggagct  | gcccgaatta  | 3879540 |
| cttgtagcga  | cgatgaggct | ggaaatatga  | catcccaatg  | tttttataat  | aagggaatc   | 3879600 |
| aaccagcagc  | tgtagacggt | ttctatttcg  | agaaacgaat  | ggaatacga   | gagtttaacc  | 3879660 |

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|             |            |            |             |             |             |         |
|-------------|------------|------------|-------------|-------------|-------------|---------|
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| tagcagatta  | tcgtatggaa | tataacctgc | agggggcttt  | gacaaaaatg  | tctttcctgg  | 3879780 |
| atgaatatgg  | gcatctggtg | aatggaaatg | acttctttgc  | aggatatgtt  | attgaatatg  | 3879840 |
| atgaacgtgg  | aaaccagaaa | aaaatgagct | acttcaatag  | cgacgggaaa  | gcttgatga   | 3879900 |
| cccgtagcgg  | ctattccagc | atagtgtacc | gttatgatga  | caagactaac  | ttcctgatag  | 3879960 |
| gatccgaata  | ctgcgatttg | aatggaaatg | ttttgaacag  | ttatcactat  | gcgtacgatg  | 3880020 |
| taaaaggaaa  | tatcgtaaag | gagtatggag | tagaagatgg  | aaggcttcaa  | tctggaatga  | 3880080 |
| ctgtaatcaa  | ccgttcattt | gattcaaaca | atcggattgt  | ttctgaatgg  | agtaccaatc  | 3880140 |
| tggaggggaa  | aagaaccaac | tttgtaaaac | agacgtattc  | gcagattaag  | tatgcatacg  | 3880200 |
| atgaacgggg  | aaatacgaac | gaaacgagct | attggggaa   | agatggcagc  | cctgctgtag  | 3880260 |
| atgaaatgaa  | aacacacaga | agagaccgtg | agttcgacgc  | attgaaccgt  | gtcatagtgt  | 3880320 |
| aaaagaatta  | tggagcagac | ggtaaacctg | tttcagggtg  | taatgtgtat  | ccggaaggac  | 3880380 |
| gagtgaata   | tgaccaatgg | ggaaatatgg | tagaaatttc  | ctgttacgac  | ggatatggga  | 3880440 |
| atcctcaggt  | gggtgcagat | ggatttttca | tcatgaaatc  | tgaatacaat  | aaaagaagaa  | 3880500 |
| atctgctgca  | tcaggagtat | cttgatgtag | acggcaagct  | ggatcatgcat | aaaagtaatg  | 3880560 |
| gttttgctaa  | agtggatttt | gcatacgaca | atcacgggaa  | taaactggaa  | gagaagtatt  | 3880620 |
| acgatacttc  | caaatgtatc | cggatagaat | cttggaagta  | taacgaaaag  | aataagttta  | 3880680 |
| ctgaacggct  | gatatgcat  | ggtaatggta | aactttcggg  | cgcattttat  | ggagtatcta  | 3880740 |
| aggttaactgt | caaatacgat | gattcgggta | ttaaccctat  | cacgatgaat  | tactataacc  | 3880800 |
| agaacggaaa  | actgattgct | accaagaaat | gggatgtaaa  | aaacggtcag  | tggggggata  | 3880860 |
| tgaattttac  | ggaaaattca | tcagtttctt | attctgactg  | gcagcagagt  | gtacagcagg  | 3880920 |
| cggcgagaga  | atgtccttac | aaactggccg | acggagtgtg  | tgctcagtct  | gttacttata  | 3880980 |
| ccgcttctgc  | tataaactg  | acaatgaaac | tgaccgaggt  | gtcgaaatat  | aatatggcgg  | 3881040 |
| aactcagtga  | agataagggt | aaagaggtag | gaaaatccat  | gaagatggaa  | ttgcggaaga  | 3881100 |
| atctaagtct  | gcccgatggt | gtggctgtga | agattattgt  | catcgataag  | gctgatagaa  | 3881160 |
| caattcttgt  | actttaaaaa | cagaccgata | tgaagcaaat  | gatttataag  | ctgtggctgt  | 3881220 |
| ttgtaggttt  | ctgtctatgg | ggcctgcaag | gaatatgggc  | agatggactg  | acaccggaac  | 3881280 |
| agaagaaatt  | ccagtcaaat | ctgtatcagt | ttctgaagga  | agaaggtttt  | tctcctgaaa  | 3881340 |
| ttgatccgga  | ggataatagc | gtaaccttca | gggaagatga  | tgaacttttt  | tggcttttgg  | 3881400 |
| tgagtgattc  | gaatccctat | tatatagaat | ttcataaatc  | tgggttcaaa  | tgtactgatg  | 3881460 |
| ctgatttgaa  | tgttgtcagg | agggctgtga | atgaaggtaa  | cctgaaggta  | cgttggtgcca | 3881520 |
| aagcgatgtt  | ttctggtgaa | accgtttcat | tggctgtaga  | gatgtattgt  | cattcaccgg  | 3881580 |
| aggagtccg   | ttatgttttc | tacaagagca | aggaagaatt  | gttgaaactg  | gaaaagacag  | 3881640 |
| tcctgaatta  | ttataatgaa | aatgaaggat | caaatcatct  | gacacatgta  | tcaagcggaa  | 3881700 |
| cggcaataaa  | caaattcttt | ccggtttatg | gctttactgt  | gggccaatcg  | acggtaaaac  | 3881760 |
| aaatgaaagc  | acaggactat | attgtcaagg | aaacggattc  | cgggtgcaaaa | cattgtgatg  | 3881820 |
| tcaaaggact  | gactttctgg | gattttgata | aagataaagt  | ttttgagtcg  | atttatatga  | 3881880 |
| ccgactcttc  | ttatatgccc | gacaaatggg | tgagcttggg  | attgacttgg  | gagtcaagtt  | 3881940 |
| ataaccagat  | attgaaactt | tttaaggga  | tgggattctc  | gatcaatatc  | gaggagaagc  | 3882000 |
| cggaaacgaa  | gaaattcagt | ggacgtaaaa | cgctttcggc  | aaagggtata  | gctgtatcgg  | 3882060 |
| ccgacggtgc  | cctgcaattc | aagtttgagt | ttgattatgg  | aatgaaaat   | ggagaaggct  | 3882120 |
| attcgttgaa  | ttctccaggt | tccttatata | gtatagatat  | tgaagctttg  | aagtaaaaac  | 3882180 |
| aatggaacag  | aacaatttat | ttcatgatag | gtatttctctg | gaacgcttgt  | taggccgggg  | 3882240 |
| aaatttctca  | gaagtgtggc | ttgccaaaga | tactaagacc  | ggcataaagg  | tagcgttgaa  | 3882300 |
| ggtgtatgca  | ccagctaccg | gacttgatga | tgcaggctctg | aatgtctttg  | cacgagaatt  | 3882360 |
| ttcattgggt  | gtgaatgcta | accacaagaa | tctgttgaaa  | cccttatatt  | atgattcctg  | 3882420 |
| cgaccgaaaa  | ccttatctgg | tacttccgta | ctgtgaaaaa  | ggaagtatca  | tgaactgggt  | 3882480 |
| aggaaaattt  | tcggaacagg | atgcctggag | gcttttgcgg  | gatgtagcca  | gcggattggc  | 3882540 |



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|             |             |             |             |             |             |         |
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| ggttgcagat  | aatgggtgatt | ttatgattac  | ggattttggc  | gtcagtacac  | acttgaggtc  | 3882660 |
| aacactacgt  | aaaagtctta  | gttccgcatt  | cagttcggcg  | ggaacagtag  | cttatatggc  | 3882720 |
| accggaacgt  | ttcggaaagg  | ataatacgcc  | cattatggca  | aatgatattct | attcgcttgg  | 3882780 |
| agctaccgta  | ttcgaaatgt  | tgagcgggga  | tactcctttc  | ggagatgatg  | gaggactggg  | 3882840 |
| gcagaaaaag  | gggtgctgaga | ttcctgagtt  | gaaaggagat  | tattctcctc  | agctaaaaaa  | 3882900 |
| attgatttat  | aaatgcttgt  | cgacagatcc  | gtggaaacgt  | ccgactgcgg  | aacagctgga  | 3882960 |
| gcagtatgcc  | ataacgggtt  | tgtctggtaa  | taccataaag  | tatgtagacg  | aaaagaccgc  | 3883020 |
| atggcagaaag | cataagttac  | ttttctcggg  | agtgggaggt  | gtacttggtg  | ttgccattat  | 3883080 |
| tgggtggagga | atgctgataa  | agcatcaagt  | caatgtaaag  | agggagactc  | gtgaaaagat  | 3883140 |
| ggcaatcatg  | gtccataatg  | attcggtaga  | agccgaagtt  | tctcaattgg  | ttttctcggc  | 3883200 |
| tgatagtctg  | gtacaggtag  | gcgatttgca  | tgatgaaggt  | tatgaaagag  | cttacttgaa  | 3883260 |
| ggcctatgac  | aattatgaat  | ctgctgagga  | actggcccaa  | acgttgccag  | atagcgcgaa  | 3883320 |
| tgttgacaga  | cataaaaaatc | tggacgacaa  | gaaaagtcag  | ttggaacgca  | agctgtatga  | 3883380 |
| tgcttatgtc  | tctttccagg  | aaaagtcaca  | actattttaa  | gatgatgtgg  | aaatttccac  | 3883440 |
| tgaattcaag  | gaacgtgccg  | gtaatatcag  | ttctgttata  | aatgttgccg  | aatgttgagaa | 3883500 |
| taaacaggaa  | aaggctgttc  | cagaagagta  | actgtatatg  | attttatcaa  | cgaatattat  | 3883560 |
| tgttatattt  | aaatgcgtat  | gaaatatatt  | attggatgct  | ttctgtggag  | tatgatgtgc  | 3883620 |
| atgtctgctg  | ttgttgctaa  | tgacagaggt  | gcttgatgata | aactttttgc  | aaatggagta  | 3883680 |
| aaatgtcagc  | agacgatgac  | tatctcttcc  | caaagaaatg  | caatcgggta  | ttttgagaag  | 3883740 |
| gctaaaaatct | gttatgattc  | tcaggctaag  | aaagatttgt  | gtgaccagca  | gatcaagtca  | 3883800 |
| tgtaggaaca  | ttattaccca  | attgacacgt  | acggaagaag  | ctaagaaaaa  | ggaatcacag  | 3883860 |
| actaggggaa  | ctgaagaaaa  | tgatcgaaat  | aaggcaaaaa  | atgacttgaa  | accgggtcagg | 3883920 |
| aaaaatggcg  | aaataaagct  | gagtcctggat | cgtacctata  | taaagttcaa  | gggaaaagggt | 3883980 |
| aatgagtttc  | agaagggtgaa | agtaacttgc  | aattatccgg  | attgggagat  | aacgaagatg  | 3884040 |
| ccggaatggg  | taaattgttc  | taaaaatgaa  | aataatgaaa  | tagttattga  | ggtagagaag  | 3884100 |
| aatcctaattg | atgtggaacg  | atctgtctaa  | cttgaagtaa  | cttgtggtga  | tgagggtcact | 3884160 |
| accttaacca  | tcatacagga  | aaagttcaag  | aaatttatct  | tgttctgata  | gctcttgttc  | 3884220 |
| gtgtcgaattt | cagacatatt  | gtctgaatat  | gtttgtaattg | ttcatactgg  | gtgtactgaa  | 3884280 |
| ttacggactg  | taaatcgact  | atattactga  | ttgtgaaaca  | atagctcgcg  | aaagtctctg  | 3884340 |
| cagggtggac  | aaccctaagg  | gtacctgtgt  | ggatgtgctc  | ttcatgtaaa  | tattgattta  | 3884400 |
| tcgattattt  | ctttgtcgat  | aaaatcgctg  | gagtacggaa  | aatgattaaa  | ctaaaaatat  | 3884460 |
| aagatgatga  | aaaaaatcag  | gttatttttt  | atcttacttg  | tacttgattt  | gttaggtacg  | 3884520 |
| gtacatgtaa  | aggctcagca  | tactggtagt  | tatcagtgcg  | ccaaaattgt  | tgaagcgaac  | 3884580 |
| gggattatga  | aaaagggaga  | tgctccgcat  | atgttggtact | ttacgtttta  | tcaaaagggtg | 3884640 |
| gtgtatgaat  | cagatcagta  | tgggaacgct  | actcaaggag  | gacaaatgta  | cgcctatatt  | 3884700 |
| ttcgtaggca  | gacagggaga  | tatgatgata  | ttcgagcagc  | ggtcattact  | agatcatagt  | 3884760 |
| aatcctttta  | tcgttaatat  | ggaaaatgtg  | ctaagtaatt  | atacagggtat | aaagagtact  | 3884820 |
| agaatgttag  | tttccaacga  | ttacaagacc  | ttgaatatatt | gtcattatga  | tgccaacaac  | 3884880 |
| aagctggtcc  | gaacgagggg  | ctataactat  | gtggatcctc  | aaaaacctgg  | agcagtagaa  | 3884940 |
| attcctgatt  | taatcagatg  | aaaaagctat  | tcacattcgg  | tatatggatt  | gttttggtgt  | 3885000 |
| ttgttggtgt  | atcctcaaca  | gcacaacgtc  | gttattttta  | cagtctgaaa  | tatgttaagg  | 3885060 |
| tagggcagaa  | caatgtaaaa  | cctccctact  | cggcaggcat  | gtatgtaacc  | tttcctgcca  | 3885120 |
| gtaaggatgg  | taagtatata  | tgttatgact  | ctgatcgtaa  | cggttatgcc  | gtaaatgctt  | 3885180 |
| ctttcaagtt  | ggattatata  | ggaaataatc  | aaaaagctta  | ttcatattat  | ggatggactt  | 3885240 |
| attggggaca  | ggcgtactac  | aatttctcga  | gggattattc  | acttttgaat  | gttgctgacg  | 3885300 |
| agattggaaa  | tacttatgtc  | ttttatcgta  | cgaacggaac  | gcagccgaac  | tctacttact  | 3885360 |
| atagtgtaac  | agatttctcat | accgataata  | gtgggggtac  | aggaagtaca  | gtgattgttt  | 3885420 |

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|             |             |             |            |             |            |         |
|-------------|-------------|-------------|------------|-------------|------------|---------|
| ctggtagccc  | taattcgtcg  | ggaacatctt  | cccctggagg | aaaaacaaaa  | agaacggtac | 3885480 |
| gggtaaaaatg | ccaattctgt  | aatggaacgg  | gtatttcttg | gtcggagaaa  | gtatatttac | 3885540 |
| ccaattatac  | aggttcggac  | gaaagacagt  | ggtgtagccg | gtgtaatgcc  | tgggggattc | 3885600 |
| cccacaagca  | tatagatcat  | cgttgtacag  | tttgtcgtaa | tggctacata  | gaaaaagaag | 3885660 |
| aataaatgcy  | gatatgcctc  | ttctgacatt  | catctaaaaa | actggatgat  | gcttccagtc | 3885720 |
| tgtaaagtac  | aaaaaacgc   | ctgtcattgt  | gcgcatgtgc | caatgacggg  | cggctttctt | 3885780 |
| ttattggata  | cgatcttagg  | gtatacagtt  | tttagagata | tttactgaat  | accctaattt | 3885840 |
| gatacgggta  | acaaaacgtg  | tatgcaagtg  | tatatgctat | ctgtatgtca  | gttaagcgat | 3885900 |
| ttgggtataat | ctttcggag   | tacgccgaat  | ttcgctttta | aacatttggc  | aaaataggat | 3885960 |
| gacgaaccga  | atcctgtacg  | ttcaaaaacc  | tccgttactc | gatatccttc  | ttttagtaac | 3886020 |
| tgggcccgtt  | tattgagtcg  | gcagttcttc  | agatagtcgt | taggcgacat  | tcctgagagt | 3886080 |
| gctttcagtt  | tccggtagaa  | attcgatcgg  | ctcatgtgca | tctctgtagc  | aagcacatcg | 3886140 |
| atagagaagt  | tttcatcatt  | cagctgtagc  | tctatgattt | cttgtatctt  | ttttatgaat | 3886200 |
| tcctgatctt  | gtgcagtaaa  | tggaaatgtaa | tcttctttat | ccttttcttc  | aggagtgtgt | 3886260 |
| tgagggaaga  | acgacgccat  | acgtttctga  | aatgctgtgc | gtaagttcaa  | caaatttcgt | 3886320 |
| atttgcatat  | gtaattgtctg | aattgtgaat  | ggtttttcta | tataagaatc  | cgctccataa | 3886380 |
| gaaaaacctt  | cctctttcga  | ttctggcaag  | gtcttggctg | tgagtaaaat  | aaccggtata | 3886440 |
| tgcgaatatt  | ctatgttact  | tttaatctta  | tggcacagtt | caaattccatt | catcagcggc | 3886500 |
| atcatgacat  | ccgtaaccac  | aatatcaaca  | tcttcgtctt | tcattatttg  | taaggcttct | 3886560 |
| attccatttt  | gagccttcaa  | tatgtgataa  | tactctttca | gtccgttaca  | ttccagttcc | 3886620 |
| aacaaatctc  | ggttgtcttc  | tacgagtaat  | attttagcct | tggagctgct  | ggctggcttg | 3886680 |
| tcattgctac  | cttccaaatc  | catatgagac  | cggctgtcgg | ggagtatgat  | acccttattc | 3886740 |
| tcctctttct  | gaaggctctt  | attgtaaatg  | ggaagtgtta | agatgaaggc  | agatccacct | 3886800 |
| aaagagctgt  | tttcaacatg  | cagtgtacca  | tgggtgactt | ctgccagagc  | ccgtgaataa | 3886860 |
| gccagtcgga  | tgccagtggc  | ttgaatcgat  | tgtccgctcg | ccacttgata  | aaagttctga | 3886920 |
| aatatctttt  | ccttttcagc  | atctgcaata  | cccggcccgt | cgtcttctac  | gatgattgaa | 3886980 |
| aactcctttg  | catcgttttt  | tactgtaatc  | gaaatgacat | tattggcata  | tttcatcgca | 3887040 |
| ttactcagta  | gattaaccaa  | aatcctgttg  | agtttgtctc | catcgaccaa  | ggcctcaaga | 3887100 |
| ttgaagtcct  | cgggctgatg  | gatagagagg  | ctgatgtttc | ttaaatcggc  | agatccggca | 3887160 |
| aattgttggg  | agatactatt  | gatctgttga  | gatatgtcac | agagtttaag  | atgtaatttt | 3887220 |
| atctcacctg  | attccatctt  | ttgaaaatcc  | agcaattcgt | ttgtcactcc  | cagtaaataa | 3887280 |
| tccacgtttt  | tattgatcac  | ctgtagataa  | tgtcttctcg | tttgcttata  | tatagccgca | 3887340 |
| tgcagtatac  | tttccaatgg  | cagttttata  | agcgtcagtg | gagtcctgat  | ttcgtgtatt | 3887400 |
| aagttgataa  | agaaattgac  | tttgttttta  | tagagttctt | tgtctttttt  | aatttgatac | 3887460 |
| tcttcgattc  | ttttctggta  | ctttgccttt  | agatagaaat | ctcttttata  | tagtacataa | 3887520 |
| ataatgaggc  | aaatggcaca  | tgcgatataa  | gcaagatacg | cccacacgga  | gcgataccat | 3887580 |
| ggaggagtaa  | tgatgatcca  | taattttgct  | atttgtcat  | tccatttttg  | atcgtttgtc | 3887640 |
| gaccttttta  | cggagaagca  | atattttccc  | ggcggcaagt | tgtgataggt  | cgcaaaattt | 3887700 |
| tctcttatgt  | tgctgttcca  | ttccgtatca  | ataccttcta | atttgtatga  | gaaatgattt | 3887760 |
| ttttgaggat  | tctggtaact  | taacgaagca  | aaatagatgg | aaaagctggt  | attgttataa | 3887820 |
| ggcagtttta  | tctgtttggg  | caagaaaatc  | ggttcttcca | gattcagtaa  | ttcctgtgta | 3887880 |
| tcttgagagg  | aatccgaatg  | ggtcaaaata  | aaatccgtaa | tatagactgg  | aggtataaac | 3887940 |
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| aaagtgccat  | ccgatattctt | gtgagatgca  | cgttcacaaa | acagggtttc  | ctgtagtccg | 3888060 |
| tctgagtttg  | taaaatattg  | atagtcgtcg  | aaatttttcg | gatttaccgg  | aataagtccg | 3888120 |
| atgttacttg  | taagccacag  | ataaccgtag  | aaatcttctt | caatggaata  | taccacaagc | 3888180 |
| gttgagagct  | gcttgtttgt  | aaaggtggta  | aaagtctccg | cctcagcatt  | gaataagcat | 3888240 |
| aatccatttc  | cattagttcc  | taaccatatt  | tttttattgg | aatcttcaaa  | taaggtaatg | 3888300 |

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| ttagcatttt  | tattattgaa | aaatatacca  | ttattggcag  | ttgtaatcca  | gaggttgttg  | 3888420 |
| tgggaatcct  | cgtatatgtc | agtaatggaa  | atcatggccc  | cgacagatgt  | ttcggttctg  | 3888480 |
| aaattatcct  | cttcgggatt | ataataacat  | aatccccagt  | tggtagcaat  | gtagatgggt  | 3888540 |
| ccatcgtggc  | atttatata  | tttttgaata  | ttgttgctgc  | aaatgggtatt | aggatatatta | 3888600 |
| taagaatgct  | ggtaagtcct | tattttacca  | ttggtcagat  | tgaggacttt  | taagccgttc  | 3888660 |
| gagaatgtac  | caatccacag | ttcgtcttct  | tttaggcaaa  | gacaacgtat  | atcataaagt  | 3888720 |
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| ttgaccgtgg  | ggttgcccgg | tattttgtga  | agattgaagg  | tcttgttctt  | tgggatgatg  | 3888900 |
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| gcattgatat  | ttgggtccgt | tatattgggt  | ccgtcggtgt  | tatgaatctc  | tgttaagtta  | 3889020 |
| gataaagtct  | ggtccttata | attatataga  | tagattccat  | tgtctgtccc  | aatcaggaag  | 3889080 |
| gtatctttgg  | taaaaggaat | taggcattgt  | acaatctgga  | actgatcaga  | ttgcagttta  | 3889140 |
| cggcaatcaa  | cctttcccgt | cagagtgttt  | atttcgaata  | agaatttgct  | gtcagttcca  | 3889200 |
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| tcctttgttt  | gcaatggaaa | tgattgaata  | aacttctgtt  | tcttgtcgag  | gcaaataatt  | 3889320 |
| cccttttgca  | gtgatgcat  | atagagttaa  | tggtcgctgt  | ctacatatat  | atcccacaca  | 3889380 |
| aaagataaat  | actggttatt | ttgtgtcagt  | gtatcgtttt  | ttaaattata  | aataaagatt  | 3889440 |
| ccctgcccta  | aggtaggtat | tgctatttct  | tcacgggaaa  | gctgaatgat  | ttttctgacc  | 3889500 |
| tactgtctga  | tggatactcc | gaatttagtc  | atttgggtga  | acgggatgaa  | tgtgtttttt  | 3889560 |
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| aataaggaat  | aatgaaatt  | gctgccta    | gattgtttct  | tgttttggga  | agaagttctg  | 3889680 |
| aatatcggt   | tgcgttgtcc | gtcaaaacag  | ttaagtccat  | tgtctgttcc  | aaaccagatg  | 3889740 |
| aatccgtagc  | tgtcttgtaa | ggcacacat   | atcgtattgt  | gtgataatcc  | gttttttacc  | 3889800 |
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| aacataatat  | cccgtagcta | acaatttctc  | ataatggtgg  | ttaaagttata | atatatttga  | 3889980 |
| taaaaactaa  | taatattttc | tattcttttc  | atttcgtttg  | tgacacagta  | ttgatagtcg  | 3890040 |
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| aaatgtactt  | atgaaaaaaa | cattgatatt  | atctatgcta  | tctgtctttc  | ttctggtagc  | 3890220 |
| atgtatgggg  | ggaaaacaag | aaaattcagt  | cgagcttact  | gaatcaggct  | taaatccaca  | 3890280 |
| gaaatttgta  | actgatgtag | atggaaagaa  | aactggcttg  | tatatattaa  | ggaacaagaa  | 3890340 |
| caatatggaa  | gtttgtgtta | caaactttgg  | aggaagaatt  | gtgtcaatta  | tggctcccga  | 3890400 |
| ccgcaatggt  | accatgctgt | atgtggtatt  | gggtttcgac  | tctattcagg  | attatataaa  | 3890460 |
| gtacccttca  | gattatggag | ccagcatcgg  | ccgatatgcc  | aatcgtattg  | ctcatggctg  | 3890520 |
| tttctccttg  | gacggagtaa | cctatcagtt  | gcctcaaaac  | aattatggac  | attgttttga  | 3890580 |
| tgggtggccg  | aaagggtttc | agtatgtagt  | atacatgtgt  | gctcatgttg  | acagtagtga  | 3890640 |
| aatcaagtta  | tgttatcacg | ccaaggatat  | ggaacaaggc  | tttccgggaa  | acctggactg  | 3890700 |
| ctctgttacc  | atgaagctta | ccgatgacaa  | ctctattgat  | attcgatatg  | aggcacagac  | 3890760 |
| tgataagcct  | actatcgtaa | atatgactaa  | ccattcttat  | tttaacttgg  | atggagatcc  | 3890820 |
| gaatagaaat  | aattcagagt | atttgtttgat | ggttaatgcc  | agcaactata  | cacctattga  | 3890880 |
| tagtactttc  | atgacgacag | gggaaattct  | tccggtagaa  | ggtactccta  | tggattttcg  | 3890940 |
| ccagccaacc  | gtattgggag | aacaattgag  | taaagattcc  | gaacagctga  | aaaatgggtca | 3891000 |
| tggaaattgat | cacaactggg | tacttgatac  | aaaagggtgat | atcaatcagg  | tatgtgcgtc  | 3891060 |
| actggaatcg  | ttgtatagt  | gcatcaaact  | ggaagtttat  | actgatgagc  | cgggtattca  | 3891120 |
| ggtatatata  | ggcaacattc | tggatggaac  | tcaaacaggt  | aaaaaacata  | taacatataa  | 3891180 |

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|             |             |             |             |            |             |         |
|-------------|-------------|-------------|-------------|------------|-------------|---------|
| tttccgtgca  | tctgtatgct  | tggaaaccca  | aaaatatccg  | gatactccga | ataaacccca  | 3891240 |
| atggccttcg  | tgcgatttac  | gtccgggtga  | aaaatatatg  | agtcatacaa | tctttaagtt  | 3891300 |
| tacagtagat  | aaatagttta  | tactatgtgg  | ttgtacattt  | tttgttctaa | tgattgttgt  | 3891360 |
| attatctagt  | tgtagaaaag  | ccagatatga  | tgaacagat   | aatatgtctg | attatgcaga  | 3891420 |
| tggaggcaaa  | acctgtacat  | cccaaactcg  | agattattct  | gaacatcaaa | tgtttcaaaa  | 3891480 |
| cagctctgaa  | gcgtggtaca  | ttgtttggtc  | gtattgcatg  | gtgtccttct | ggttccgatac | 3891540 |
| aggctattta  | ttcggagtaa  | tttctttgta  | aggtgagaag  | attgtaaaaa | atctataagt  | 3891600 |
| ttatgatgag  | ttatggggaa  | gttaaacaaa  | agatagtatg  | taacaattta | taaaatcaga  | 3891660 |
| tatgaagtta  | aagtttttat  | tttgcataag  | tatttcagtt  | atatctatgt | gtggtttag   | 3891720 |
| taatggagac  | ggtaggaaaa  | tgactcacga  | gcctaatacg  | cttcgggctc | cgatgtatcc  | 3891780 |
| attggtgaca  | atcgatccct  | atacaagtgc  | atggtctgct  | tctgataatt | tatttgatag  | 3891840 |
| tcctgtaaaa  | cattggaccg  | gaaaagattt  | tcctttattg  | ggggttgcta | aggctcgatgg | 3891900 |
| agtttcttat  | cgttttatgg  | gagatgaaga  | gttatcgctt  | tatcccattt | gtggtacttc  | 3891960 |
| ggagcaagtc  | gactggaagg  | gtagatatac  | ggtaaaacaa  | ccagccgatg | gttgggagaa  | 3892020 |
| ggccgatttc  | aacgatggat  | cttgggaagga | aggtgcagga  | gctttcggta | cgaagaaaaa  | 3892080 |
| tgaggcgatg  | gcaaaaactc  | aatggggaga  | tgagtttatc  | tgggtacgac | gctggattga  | 3892140 |
| tataaaggat  | gatttggcag  | ggaaaaaatt  | gtatttagag  | tactcccacg | atgacgatgt  | 3892200 |
| cattatttat  | gtaaacggta  | taaaggttgt  | tgaacgggt   | aactctgcca | agaagtatca  | 3892260 |
| atatgctgaa  | ctgccggccg  | atgttggtgc  | ttcattgaaa  | cccggtaaga | acctgatagc  | 3892320 |
| tgcttattgt  | cataatagag  | taggaaatgg  | ttgttggtat  | tttgggttga | tgccgaaag   | 3892380 |
| agataatacc  | cgctgtttta  | cccggacggc  | agaacaaact  | gctgttgatg | tgacggctac  | 3892440 |
| tcaaaacttat | tatagtttta  | catgtggacc  | agtcgacttg  | agtgttaagt | ttactgctcc  | 3892500 |
| tttgttgata  | aataatttgg  | atttgatgac  | tcgtccagtc  | aattatcttt | cttatgaaac  | 3892560 |
| tgcttccaat  | gacggacaag  | cacatgagat  | aagtctttac  | tttgaggctg | ctcctcaatg  | 3892620 |
| ggctatcgac  | cagccatacc  | agaagtctgt  | cagtaagacc  | ggcaatacag | agggtattac  | 3892680 |
| ttatgtaagt  | actggtagt   | tagaccagca  | gatttttagga | aaacgtggag | atgattttacg | 3892740 |
| cattgactgg  | ggatattttt  | atatggctgc  | tcgcgaggca  | gaaaacattt | tgctcggtac  | 3892800 |
| aggtgatggc  | gtttcaatgc  | gaaaagcatt  | tgtagcaggt  | aatgacttga | atagccaatc  | 3892860 |
| aaccaatggc  | ttcgataaat  | tagtgctatc  | ttgtaatttg  | ggcaaagaaa | agaatgcttc  | 3892920 |
| tggttatatc  | atgttggcat  | acgatgatat  | ttattctatt  | cagtattttg | gacagaattt  | 3892980 |
| gcgtccgtat  | tggaatagaa  | acggaaagga  | gactattttc  | tcacagatga | agaaaaccgt  | 3893040 |
| tggtgaatat  | gacgaactga  | tgaagcaatg  | tacagagttc  | gatagcaagt | tgtttactga  | 3893100 |
| ggctgaaaat  | gctggaggac  | gtgagtatgc  | cgaatttgtg  | gctttggcgt | accgtcaggt  | 3893160 |
| aatggctgct  | cataaactgg  | tacaatctcc  | cgaagggtgaa | ttgttgattt | tgtaaaaaga  | 3893220 |
| aaatttcagc  | aatggttgta  | tcaacactgt  | cgatttgacc  | tatccgtcgg | ctcctttatt  | 3893280 |
| cttggtttac  | aaccctgagt  | tagagaaagg  | catgatgaac  | ggtatctttt | attatagtga  | 3893340 |
| gtctggcaag  | tggaagaaac  | cgtttgccgc  | acacgactta  | ggtacttatc | ctctcgccaa  | 3893400 |
| cggtcaggta  | tatggaggag  | atatgcctgt  | cgaagaaagt  | ggtaacatgc | taattttatc  | 3893460 |
| tgctgccatt  | gctaagggtg  | agggaaatgc  | acagtatgcg  | gaaaaacact | ggaaagtctt  | 3893520 |
| tactacttgg  | gccgattatt  | tactggagaa  | gggacttgat  | ccggaaaacc | agctttgtac  | 3893580 |
| cgatgacttt  | gccggacatt  | ttgctcataa  | tgccaatctt  | tctataaagg | ctatttttagg | 3893640 |
| cgttgcttcg  | tatgggaaat  | tggccggaat  | gcttggtaaa  | cacgatgtgg | ccgaaaagta  | 3893700 |
| tttgagtaag  | gcaaaaagaca | tggctgctca  | atggctcaag  | atggccgatg | atggagatca  | 3893760 |
| ctatcgcctt  | acttttgata  | agcctggcac  | atggagtcag  | aagtataatc | tggtttggga  | 3893820 |
| taagtgtgtg  | gggctgaata  | ttttccctga  | agagggtgct  | caaaaggaaa | tcgcttacta  | 3893880 |
| tctgaccaa   | caaaatactt  | acgggttgcc  | tcttgatagc  | cgtgaaactt | atacaaagaa  | 3893940 |
| tgactggatt  | atgtggacgg  | ctgctatgag  | tactgataca  | gctactttca | agaaatttat  | 3894000 |
| ttctccggtg  | tataaattta  | tgaatgaaac  | gccggataga  | gtaccaatga | gtgactggac  | 3894060 |

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|            |            |             |             |             |             |         |
|------------|------------|-------------|-------------|-------------|-------------|---------|
| atggacactt | gaacctcatc | aaaaaggttt  | tcaggctcgc  | tctgtaatcg  | gcggaacttg  | 3894120 |
| gatgaaggta | ctgatggata | aatgtttggt  | gaaataaccg  | gcatgctcag  | ttgagtctgt  | 3894180 |
| ataaatgctg | tggagatgac | ctccggagag  | tttatacaga  | ctgtttttat  | atggagcgca  | 3894240 |
| ttttttgtta | tctttattac | tcatcttaaa  | atctggtaat  | gactataaaa  | aagaaatttc  | 3894300 |
| caatattgtt | gttgtttgtg | tgttccggct  | tttctttagg  | tgttgcccag  | aaggatctcg  | 3894360 |
| ttgtttctcc | tcgagttgaa | atgcaggaaa  | atccgctggg  | aatagaccgg  | aaagatcctc  | 3894420 |
| atttttcatg | gcagctgaag | tcgggtatga  | atgatgtgca  | gcaaactgga  | tatgagattc  | 3894480 |
| agatgggaac | cgatttgcag | ggactgaaac  | ggggaaataa  | tctgatgtgg  | cagtctggac  | 3894540 |
| tggtttcttc | ggatcacatg | caggctcggc  | atcagggtct  | acctctacag  | tcgggcaagg  | 3894600 |
| agtattactg | gagggtgcgt | gtacatacca  | attgtgggga  | gagtcattgg  | agtgtgttct  | 3894660 |
| aacggtttac | cacgggattg | ctgcatgaca  | cagactgggt  | ggctaaatgg  | attggcgaag  | 3894720 |
| atgcgatgtc | aaatccgggt | gagtcgcaga  | ccgaactgca  | taccggtttg  | gctgccagg   | 3894780 |
| atgtgcggaa | agattttcag | gcgtcctctc  | atgtcagtcg  | tgctacgctg  | tatatcagcg  | 3894840 |
| gattgggata | ttatcaggct | ttcctgaacg  | gaaaatgtgt  | gagcgaagat  | ttgcttactc  | 3894900 |
| cctctattac | gttctattcc | gaaaccgtat  | attacaatac  | gtacgacgtg  | accaggttgg  | 3894960 |
| tacacggagg | cgacaatgcg | ttgggggtga  | ttcttggaag  | cggctcgttac | ttctgggttaa | 3895020 |
| gaggaagcgg | tatggaagg  | tttggttgc   | ctcgtttgct  | ggcacagctg  | gtgattgagt  | 3895080 |
| atgccgatgg | tacaaaaaaa | atcatcgctt  | cggatgagac  | ttggaagggt  | acatcgaagg  | 3895140 |
| gaccaattgt | tgccaacaat | gagttcgacg  | gtgaagaata  | tgatatgcga  | aaagaattgt  | 3895200 |
| ccggatggaa | cgtgagcgga | tacaatgatg  | ctgcttgga   | gaacgcagat  | atcatgtcgg  | 3895260 |
| ttccctgcaa | gcgattgcgt | gctcagccgt  | gcccgtcgg   | tgccgtcatg  | gaacgtctga  | 3895320 |
| ggccgttatc | tgttaccctg | ctggcatcgg  | gtaaggctct  | gatcgatatg  | ggacagaaca  | 3895380 |
| tggtaggctg | gctgaatgct | tcttttcagg  | gaaaggaagg  | acagaaaagt  | attatgcgtt  | 3895440 |
| ttgccgagct | tataaatccg | gacagtacct  | tgtatgtagc  | caattttacgt | acggctcagg  | 3895500 |
| ctaccgatgt | gtttactcct | gctgccgatg  | gacgcttttc  | gtgggctcct  | gtttttgtgt  | 3895560 |
| atcatggatt | ccggtatgtg | gaaatagatg  | gtatagagg   | acgtcccgat  | acggacgatt  | 3895620 |
| ttgtaggcga | ggtgatgtac | gacaagatga  | aatgtaccgg  | cgattttgag  | acgtccaatg  | 3895680 |
| ctgtcgtcaa | ccagattttt | aagaatgctt  | attgggggtat | ccggggaaat  | tatcataaca  | 3895740 |
| tgctaccga  | ctgtccgcag | cgggacgaac  | gtcacggatg  | gctgggcgac  | cgtgctaccg  | 3895800 |
| gatgctgggg | cgagagtttc | atgttcgaca  | atgcgttgct  | gtatcgtaag  | tggttgcagg  | 3895860 |
| atattgaaga | gtcacagcgt | gaagacggcg  | tcgtatcggc  | tgtttcccct  | cgtttctgga  | 3895920 |
| cgatttatc  | tggcgatgta | acatggcctt  | cgggtgtatat | attggctgcc  | gaaatgctgt  | 3895980 |
| accgtcatta | tggagatacg | acagctatcg  | tcaggcacta  | tgattccatg  | aaatgctggg  | 3896040 |
| tagagtatat | ctgtcaaaac | tccatgaagg  | acggactggt  | ggtacgcgat  | gaatgggggtg | 3896100 |
| actggtgcat | gcctcccag  | tctcccagc   | tgattcattc  | gcaagatccg  | ctgagaaaga  | 3896160 |
| cggatggagc | tatattggga | agtactacct  | tttatggatt  | gctgtataag  | atgatggagt  | 3896220 |
| ttgctcgcct | gacagggcat | ccggaggatg  | ttgataatta  | ccggacacat  | gccgaagtgt  | 3896280 |
| tgaagaaggc | gtacaacaaa | cgctttttta  | actatgaaac  | ggctcagtac  | ggcaacaact  | 3896340 |
| ccgttacggg | aaacctgttg | tcgcttcggt  | acggactcgt  | gccggaggga  | tacgaacagc  | 3896400 |
| gtgtcttcca | gaatgtagtc | gacaaaacgg  | aaaaagactg  | caaggggcat  | gtcagtgccg  | 3896460 |
| gcgtggtagg | catacagcat | ttgatgagg   | gactgacgga  | atatggccgg  | aaggacctgg  | 3896520 |
| cgtataaaa  | cgtgaccaac | acagattatc  | ccagttgggg  | atatatgatt  | gaaaaaggag  | 3896580 |
| ctactactat | ttgggagttg | tgggaatggag | atacggccgc  | acccgatatg  | aactcagcca  | 3896640 |
| atcatgtgat | gctattgggc | gacttgttga  | tctggtatta  | cgaaaatctg  | gcaggcatca  | 3896700 |
| agaatgccga | ggagtctgta | ggattccgtc  | acatcgagat  | gaagccctgt  | ttccccgacg  | 3896760 |
| gactgtcgta | tgtcaaggct | tcctaccagt  | cggtttccgg  | cgagattgcc  | agccattgga  | 3896820 |
| gccggacagg | aaaggagttt | tcatgggaag  | tgacgattcc  | tgccaattgc  | tcggctacgg  | 3896880 |
| tataccttcc | tatagctttg | catcctgaaa  | agccggaagc  | tgctcagggt  | cacagcatca  | 3896940 |

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|             |             |             |            |            |             |         |
|-------------|-------------|-------------|------------|------------|-------------|---------|
| agcgtgcagg  | agagtattgg  | gttgtggagt  | tggttcctcg | agactatcgc | tttcaaagta  | 3897000 |
| aaatctgagc  | atatttttct  | gaaaagttgg  | tgagatttta | tctttttctg | aatagatttt  | 3897060 |
| tcgcataaga  | ttcgccttctt | ttcagcatct  | ttgtaataga | gttgtaaca  | gtgacaatat  | 3897120 |
| agcagtgtaa  | aagagggaga  | ttctctcttt  | tatgctgttg | atttgtgtat | tataaattta  | 3897180 |
| tgatgatgaa  | aacaaaaata  | tggtcatctg  | tcgtcttatt | ttttatggcg | tgcgggggaa  | 3897240 |
| tagcgcaagg  | tcagtatcat  | aaccggtca   | tcgacgagag | tttgcccgat | ccgactgtga  | 3897300 |
| tccgtgctga  | cgacggatcg  | ttctggcttt  | atgctaccga | gaatattcat | aatcttccga  | 3897360 |
| tttatcgttc  | gaccaatctg  | gtagactgga  | gctttcaggg | gactgctttt | actgatagta  | 3897420 |
| cacgccctga  | tttctgtaccg | gatggaggca  | tctgggcacc | cgacatcaat | cagatcaacg  | 3897480 |
| ggaaaatatgt | tttgtattat  | tccatgtcta  | catggggtgg | ggaatggaca | tgtggcatcg  | 3897540 |
| gagttgctac  | agccgatgct  | cctcaggggc  | ctttcaagga | tcatggaatg | cttttccgga  | 3897600 |
| gcaacgaaat  | tggtgtaaga  | aattgtattg  | atccttttta | catcgaagac | gggggaaaga  | 3897660 |
| aatacttggt  | tttcggaagc  | tttcatggca  | tttatgccgt | ggaactttcc | gatgacggtc  | 3897720 |
| tgatgctgaa  | agaaaatacc  | cgtcccttgc  | gggtggcagg | cgatgcctac | gaaggtactt  | 3897780 |
| atatctgcaa  | gaaagggaaa  | tattattatt  | tggttgcttc | catcggcagt | tgttgcgagg  | 3897840 |
| ggttgaagag  | tacctatacc  | acggtggtgg  | gaaggtcgga | gtcgttgatg | ggaccttact  | 3897900 |
| ggaataagga  | gggcaggtcg  | atgctcgaca  | accaacatga | aatattgatc | aaggcaagta  | 3897960 |
| atcattttgt  | gggaacagga  | cacaattcgg  | agattgtgac | tgataaaaag | ggacaggact  | 3898020 |
| ggctgtttta  | ccatgcagtg  | aaagtgtccg  | atccggaagg | aagagtgttg | atgctcgatc  | 3898080 |
| gggtacaatg  | gaaggatggc  | tggtccggaag | tagaaaatgg | cgttccttcc | gacagccacg  | 3898140 |
| ataagcctgt  | cttttagtat  | gtataactta  | aaaagagttg | ggtaatttat | gattttgaaa  | 3898200 |
| cgatttggtt  | ttgctgctgc  | attggtggga  | tgcttgcccg | gaatcgcttt | ttcccagagc  | 3898260 |
| aagggagata  | agacgaacgg  | taatccgata  | gttgccggct | ggtatgccga | tccggaagga  | 3898320 |
| attatctatg  | gtgattcctg  | ctgggtgtat  | cctacgcttt | cttttctgta | tggtgaagat  | 3898380 |
| gtacaaaagt  | atgctcagga  | tttggaaagg  | aaaaccgatg | ctatcaatca | ggagtataat  | 3898440 |
| ctccagacac  | atttcgacgc  | tttctcctcc  | agcgatttgg | tgactgggtg | gaagcatccg  | 3898500 |
| gaagtcttgt  | ctatcaaaga  | cgtaaaatgg  | gccaaagtat | cgctgtgggc | tccttcgggtc | 3898560 |
| attcatgcca  | atggaaaata  | ttatctgttc  | tttggggcaa | atgatataca | gaacgaacag  | 3898620 |
| cagaaaaggag | gtataggggt  | tgccgtggcc  | gattctcctg | ccggatccta | taaggatgct  | 3898680 |
| ttgggaaagc  | cgctgattga  | taagatcggt  | aacggggctc | agccgattga | ccagttcgtg  | 3898740 |
| tttcgcgacg  | acgatggtag  | cttttcatatg | tactatggag | gatggaagca | ttgcaatgtc  | 3898800 |
| gtgaagctgc  | atcccgaattt | gttgggactg  | gaacctttcc | ccgacggaac | ggtgtaccgt  | 3898860 |
| gaagtgactc  | ccgaccagta  | tggtggaggga | ccgtttatgc | tgaagagaaa | gggaaagtat  | 3898920 |
| tatttttatgt | ggtcgggaagg | cggatgggga  | ggacctgatt | atagtgtggc | ttacgccatt  | 3898980 |
| gccgactcgc  | cgatggggcc  | gtttaagcga  | atcggaaaaa | tccttcagca | agatccgcaa  | 3899040 |
| atagcgactg  | gggccggaca  | tcattctgtc  | gtacagattc | cgggcaagga | tgaatattat  | 3899100 |
| atcatctatc  | accgtcgccc  | gttgggttgt  | acccgcatta | atgaacggca | agtgtgtatc  | 3899160 |
| gataagctgg  | agttcgatga  | gaatggatat  | atccgccctg | tcaagatgac | gttcgagggg  | 3899220 |
| gtagctcctg  | tcgatttgcg  | gcgataaatt  | tctgaagtac | tcatgctgtc | aagataaaga  | 3899280 |
| cggggtgagt  | acttttttctg | atgggtaattg | attgatagta | taattaacta | aaaaaagtat  | 3899340 |
| tgaaatgaaa  | cgtattgttt  | tcttggatta  | tatacgcatt | ttcgcatgct | ttttggtcat  | 3899400 |
| gctcgtacat  | gcgagtgaag  | attattacgg  | tgacgcccgg | tcgacagaca | tggtcaggccc | 3899460 |
| gcagtcgtat  | cttgcttcgg  | aagccgaccg  | gttgtgggta | tccatctatg | acggattttc  | 3899520 |
| gcggatggct  | gttcctctgt  | ttatgattgt  | atctgcctac | ctgcttgccc | cgatgaagga  | 3899580 |
| agggcaaacc  | atgggacagt  | tttaccgcca  | tcgttttgct | cgatcttctg | ccccgtttgt  | 3899640 |
| gatattcatg  | gtgttgata   | gtacattgcc  | gatgctgtgg | ggacagatcg | actcggctac  | 3899700 |
| gtcggtaagg  | gacttgtcgc  | gtatcttgtt  | gaatttcccc | acactggcag | gtcatctatg  | 3899760 |
| gttcatgtat  | ccgctcatca  | gtctgtatct  | gttcattccg | atcatttcac | cgtggctcag  | 3899820 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| taaggctacg  | gccaaaggagg | aacgccttctt | tgtcgttctg  | tttcttgtgt  | cgacctgcat  | 3899880 |
| tccctatctg  | aatcgcttct  | gcggtgaagt  | atggggacag  | tgtttctgga  | acgaatatca  | 3899940 |
| tatgctgtgg  | tacttctccg  | gatatttggg  | ctatctggta  | ctggctcatt  | acatacgtgt  | 3900000 |
| gcattctcacg | tggaaaccgtt | ccagacgctt  | gtccgtaggt  | atcgctcctga | tgggtggctcg | 3900060 |
| agcgctgtgg  | accatctatt  | cgttttatgt  | acaggcagta  | ccgggccaga  | ttatcgctac  | 3900120 |
| tcccgtgctg  | gagatcggt   | gggctttctg  | caccatcaac  | tgtgtgatgc  | ttacgacagg  | 3900180 |
| ggtgttcctt  | attttcagta  | ccattcaggc  | tccttcggct  | ccgcgcttgg  | ttactgatat  | 3900240 |
| gtcgaaatta  | agttatggca  | tgtatctgat  | gcatacttct  | tggctgggat  | tgtgggtaac  | 3900300 |
| ggtattcaag  | cagacgctgg  | agtttcctac  | cgttgctgcc  | attccgtgca  | ttgccgtcag  | 3900360 |
| tacctttatc  | tgttggtata  | tcacggccaa  | agtgatataca | ttggtgccc   | gaagtaaagt  | 3900420 |
| gattatagga  | taaacaacta  | attactatag  | attatgaaga  | aaatttggt   | tttggtgata  | 3900480 |
| ggcttggttg  | ctggtctgca  | tctcgaggca  | aaagagaacg  | agggcaccaa  | tgttgcttat  | 3900540 |
| caggatggaa  | atgtccggtt  | tacggttatc  | gatgaggggtg | tgattcgctt  | ggagtggcat  | 3900600 |
| gccgatgctc  | agtttgcga   | tgtctcttct  | tttctggcag  | tcaacagaac  | ttacgataag  | 3900660 |
| gccgattatc  | gtttgtctga  | gtcgaaaaac  | tgggtagaga  | ttgctaccga  | taagatgggtg | 3900720 |
| ttgaagtata  | agaaaaacag  | cggtcgtttt  | tctgcgtcga  | acctgagcat  | tcgctcaaag  | 3900780 |
| aacctgacgc  | cggcgctttca | gtggaagccg  | ggggatgtca  | atcagggcaa  | cctgaaggggt | 3900840 |
| acgtaccgta  | cgctggatgg  | ttacaacggt  | gaaatctttg  | tcggcaatgg  | aaacgataat  | 3900900 |
| ggagaccacc  | gtccgatgcc  | tatcgaagac  | ggattgttgt  | cgaccgatgg  | ctggacgctg  | 3900960 |
| ctcgacgatt  | ccaagggatt  | tctgttcgac  | aattccgact  | gggcgtgggt  | agaccagcgc  | 3901020 |
| aaggggagtg  | atcaggatca  | ggactgggtat | ttcatggcgt  | atggacacga  | ttacaaagcg  | 3901080 |
| gcattgaaa   | actttaccgt  | ctttgcaggt  | aaggtgcctc  | tgcctccacg  | ttatgccttc  | 3901140 |
| ggttactggt  | ggtcgagata  | ctggagctat  | tcagacgacg  | agctgcgcga  | cttgggtcaac | 3901200 |
| aagttcgaaa  | cgtataagat  | tccgttggat  | gtgctggttg  | tagatatgga  | ctggcattac  | 3901260 |
| gtgaaccg    | gaagaggtgg  | atggacaggc  | tatacgtgga  | accgttcgct  | gttccccgat  | 3901320 |
| cctgccaa    | tcctccacga  | tgtgaaaagt  | aaaggattgc  | aggtaacatt  | gaatctgcat  | 3901380 |
| ccggctggcg  | gcattgaacc  | gtacgaggag  | aaatatccc   | aaatggccaa  | gtggatgggc  | 3901440 |
| atgaaccctg  | acgaaaagaa  | gcgcacgcac  | tactgtggct  | ccgacaagcg  | tttcatgagt  | 3901500 |
| ggatggctga  | ataccatctt  | gcgtccgatg  | gaaaaagaag  | gtgtcgattt  | ctgggtggctc | 3901560 |
| gactggcagc  | aggatatgtt  | cgatgctcgc  | atcaagaatt  | tgaacaatac  | atgggtggctg | 3901620 |
| aactatgtct  | ttttcagcga  | catggagcgt  | agccgtgata  | cgcgtccttt  | gctgtaccat  | 3901680 |
| cgctggggcg  | gtctgggcaa  | tcaccgttac  | cagattgggt  | tctccggtga  | ctcttacagc  | 3901740 |
| acctgggagt  | cgcttgctt   | ccagccgtat  | ttcaatgcta  | ccgcacgaa   | tgtactctat  | 3901800 |
| ggttactgga  | gtcatgacct  | gggtggatcat | cagtttgcaa  | agggagcgac  | acagctcgac  | 3901860 |
| cgcgaaactgt | tcgtacgctg  | gatgcagttt  | ggtgccttta  | gtgccattat  | gcgtactcac  | 3901920 |
| tccatgaaga  | gtgctgccat  | gaacaaagag  | ccgtgggcgt  | tcagtcagga  | gtatttcgat  | 3901980 |
| gtattgcgtc  | agaccattct  | gatgcgttat  | aaagttgctc  | cttatgtata  | taccatggcg  | 3902040 |
| cgtaagactt  | atgacgacgg  | tatttctctg  | tgtcgcccga  | tgtactacga  | ttatccggat  | 3902100 |
| gctcaggaa   | cttactctt   | caaggacag   | tatatgttcg  | gcgatgacat  | gctggtagct  | 3902160 |
| cctgttactt  | cgccgatgaa  | agagggtat   | gctactgtca  | aggtttggt   | gccggaaggt  | 3902220 |
| accgactggt  | atgaatgggc  | tactggtact  | cttctgaagg  | gaggacaggt  | ggtagaacgt  | 3902280 |
| gcatttgctc  | tggatgaata  | tccggtatat  | gtaaaggctg  | gagctatcct  | tccgttctac  | 3902340 |
| ggtactgtga  | aaaacctgcg  | tcacaacgat  | gaggctgtac  | gtctgaccgt  | attccccggt  | 3902400 |
| ggcaacgggt  | ccttctcgtt  | ctatgaagac  | aacggcaacg  | accagttgta  | taaagaccag  | 3902460 |
| tacgcgcgta  | ctcagttgtc  | ttccgaatgg  | aaagaaaaca  | agctgacagt  | ccacgtagga  | 3902520 |
| cagcgtaa    | gctcttataa  | ggacatgcc   | cagaagcgta  | cctattgcgt  | cgatgtagta  | 3902580 |
| gggtcgggtc  | ctgccgataa  | ggtgttggtg  | aacggaaagc  | ctgttgaggc  | tgaatacgt   | 3902640 |
| ggtacatccc  | ttacactgac  | cgtcgacctg  | cctgcacg    | attgcacaag  | cgactatacg  | 3902700 |

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|             |             |             |             |             |             |         |
|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| gtagaagtat  | tctacaaggc  | cggacagccg  | gaagtaaaca  | acggccttgta | tggtcagttc  | 3902760 |
| aagcgcatga  | agaaaagcctt | cgtagacatg  | cgatacagaa  | atgcaagcat  | cgattatatt  | 3902820 |
| caggaaactgg | gtgatatgga  | aactaccggc  | agagccgtta  | cctatcatac  | agactccttt  | 3902880 |
| gccgataaga  | tcaggcagta  | tcaggcaaatt | tatgccaacc  | ttcccagagct | gctgaagaaa  | 3902940 |
| cagggccttga | gcgataacga  | tgctcagtg   | ttcttgagct  | cagtcggtg   | ggagaagaaa  | 3903000 |
| taaggctgta  | cagcaagatt  | atcctaaaaa  | aagaacccta  | tcattctccg  | aaatggagtg  | 3903060 |
| aatgatagg   | tttgtttatt  | gtaagataat  | caagtatcgg  | tttatctttg  | ctacgtccgt  | 3903120 |
| tacaggaacg  | gagaggcctt  | cttgagggtt  | caagccggag  | ctttattcct  | cgttcagctt  | 3903180 |
| ttcgctcgata | gcttctatct  | ttttcaggac  | gagatccatt  | tcccctttca  | ggcgttcaat  | 3903240 |
| tttccggtta  | atctcagtaa  | ccagcgtgtt  | gcccttcttc  | gaagccgatg  | acaagaatcc  | 3903300 |
| caagttgttt  | tcgtaggctt  | gaatatcatt  | tttcaatcct  | tcgtacgtac  | gcacaagctt  | 3903360 |
| ttcgcggtca  | cgttacaagt  | tatcaccttt  | ggcaagtcct  | gatttgaagt  | tgctgagctt  | 3903420 |
| cttttcagaa  | acagaaatat  | tcagtcggtc  | gaacaattta  | tcaatcagac  | cgtggaattc  | 3903480 |
| gttatacaga  | cgatctttct  | ccttaaaccg  | tacatgtcct  | atgccgttcc  | attccttcat  | 3903540 |
| cagggagcga  | acctgttcgg  | ctgtagtatt  | atcagtagct  | cccgaagcat  | tcagtcaggg  | 3903600 |
| gagctgcttg  | ataatctctt  | ccttcttcgc  | catgttctct  | acttccacag  | agcgtgtgta  | 3903660 |
| agaagtagcc  | ttgttcttct  | gtgcgaagaa  | atagtcgcat  | gccccgataa  | agcgtttcca  | 3903720 |
| tacagcgtcg  | gagtgccttt  | tggcaaccgg  | tcctatgggt  | ttccattctt  | tctgcaactt  | 3903780 |
| ggtcagaatt  | tcagccgttc  | ccttccagtc  | tgtactgtct  | ttcagcgtt   | cggccttttc  | 3903840 |
| gcacaaagcc  | tttttctttt  | ccaggttagc  | agccatgttt  | tctttcaccg  | acttaaagaa  | 3903900 |
| agccgccttg  | cgtttaaaga  | actcatcaca  | tgccgcgcgg  | aaacgctcaa  | agattttcac  | 3903960 |
| gttcattttc  | tgcggtgcat  | aaccgatagt  | cttccattta  | gcctgtagcg  | cgaggatttc  | 3904020 |
| ctgcgtcttg  | tcctcccagt  | cggcaaaggt  | cttgaacgta  | tcatactcca  | tagcttccac  | 3904080 |
| tatttcacag  | atcacctgtt  | tctggctcgag | gttgttctgt  | tccttttctt  | tcagtgccctc | 3904140 |
| aaagtgtctg  | tgggtgccggc | ggtttaccac  | cgaagaagcc  | gctttgaaac  | gtgccagat   | 3904200 |
| actttcacgc  | aagtcttttg  | ctacggggcc  | gatgttacga  | aattcctgat  | gcaatttctg  | 3904260 |
| tagctgatgg  | aaagcagaca  | ctacatccgg  | ttcgtttgcc  | agcttttcgg  | cagcctcaca  | 3904320 |
| cagatagggt  | ttctgttcca  | gattcttttt  | gaagtcatac  | tcgcggaatt  | cattgttcag  | 3904380 |
| ctttaccatg  | tcgtaaaact  | tttccgtgta  | cagctgatat  | gttttccaca  | attcattgac  | 3904440 |
| cttgcccaca  | ggtacctgtt  | tgatttcggt  | ccactgctgt  | tgaagttggt  | taaattcgtt  | 3904500 |
| atagatctta  | cctgtgtctt  | ccgtattgtc  | aatcagagcc  | ttcatcttgt  | cgagtatgtc  | 3904560 |
| cagcttcttt  | tgaggttag   | cttctttttc  | ctgctccagt  | tctgctgcca  | tcgcactacg  | 3904620 |
| cttctctttg  | atggaactca  | tgatttcctt  | gaattttgct  | tccaacggat  | tagggatggg  | 3904680 |
| agtaaatctt  | tctggatttc  | cgccttgctc  | aataaagttt  | ttgcgtgccg  | tatcttgctc  | 3904740 |
| ggttttatgc  | agtttgtaaa  | acatttggtt  | caagtagtct  | atctcctgtt  | tgctcagctt  | 3904800 |
| acagggcgtt  | tcgttgagtt  | ctgtcagacg  | tgttataact  | tcttcttgag  | tatgtacggg  | 3904860 |
| agaaaattgc  | gttttagcgt  | cattctcaac  | agaagaaacc  | gaagtttcgg  | gagtgtctgc  | 3904920 |
| tgccggaatt  | tcagttaaag  | ggcgggttgt  | ttcattttact | tccatcgtat  | ttagatttta  | 3904980 |
| aagaattatg  | tcagcttatc  | ttagtccgta  | gttgcaaatt  | aaaagaataa  | aatctgattt  | 3905040 |
| tcaataattt  | ttcctaaatt  | tttttttgca  | ataaagacga  | tttttatgaa  | tttctttgga  | 3905100 |
| aaatataggg  | catggaggtc  | ataaagatta  | atagacctcc  | atgtatgatt  | gggaaattgg  | 3905160 |
| atattttaag  | acagcagtac  | agttattccc  | atgtacatca  | tcatgccgat  | gatgtcgttg  | 3905220 |
| gtaatcgata  | taaaccgttc  | ggtagcaatc  | gccgggtcta  | ccttcagctt  | ttccagcgtc  | 3905280 |
| ataggtagca  | gcgtaccgaa  | gattgatgca  | aacatcacta  | cggcaaacag  | gctgatggat  | 3905340 |
| accgagtagc  | tcaccgtggc  | ggttgcgcgg  | aagcggataa  | aattataaat  | gtataccagc  | 3905400 |
| attgaaatga  | tggttgcgtt  | gatcagggct  | acgacagatt  | ctttcagcac  | ctgctggaga  | 3905460 |
| gtgtttccc   | agtcgagcga  | gctgttgccc  | aatccttgta  | ccacgagggc  | cgacgactgg  | 3905520 |
| gttctctacgt | ttctctccgt  | accaccgatc  | agcgggatgt  | acagggccat  | ttcgggatgt  | 3905580 |



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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| gcggcaaaagg | tcgagtcgaa | gttgcccaag  | atcatggagt  | tgcctataacc | tcccagcatc  | 3905640 |
| ccgatgagca  | accagggcag | gcgtgccgtt  | gtctggcgga  | acacgttgtc  | gtgcgattct  | 3905700 |
| acgtcctgcy  | acaaaccgga | tgccaaactgg | taatctcgtt  | cggcctgctc  | gcgaacctca  | 3905760 |
| tccatcacgt  | cgtctaccgt | gatacgtccc  | accagtcgac  | cgatgctgtc  | gactaccggc  | 3905820 |
| accgctacaa  | ggtcgtactt | ttcgatgacc  | tgcaccacct  | cgtccagcgg  | cgtatctaca  | 3905880 |
| tgtaccgaaa  | tcggatcctt | cttcatcacg  | tgctttactt  | tcgagaccga  | cggactggta  | 3905940 |
| atcatttttt  | tcagcgggaa | tacgcctcgc  | agacgttcgt  | catcgtctac  | cacatatacg  | 3906000 |
| tagtaaatct  | cgtccatata | ctccgcctgt  | attctcattt  | cgcgcagaca  | ttccggcata  | 3906060 |
| ctccagttct  | cgtttacgat | gaccatctcc  | gtacccatca  | aaccaccggc  | agtatcttcg  | 3906120 |
| tcgtacttca  | gcaagtcgac | gatgtcaccc  | gcctgttcga  | tgtcttcgat  | gtgtgaaagg  | 3906180 |
| atttcctcct  | gtttgtcctc | gtccatgtca  | cggataatgt  | ctactgcatc  | atccgagttc  | 3906240 |
| atgtagtcca  | caaaacgctt | ggcgatgggt  | tccgacggca  | ggacctcgag  | gaatttctta  | 3906300 |
| cgcgcaccc   | cgtccatttc | aatcagtaca  | tcggccgcct  | tttcgttgct  | gagaagcagg  | 3906360 |
| tagatggaac  | gcgcctcttc | cgcacccagc  | tcgttgacaa  | gttcggcaat  | gtcggcagga  | 3906420 |
| tgaagccctt  | gcaggagtcc | cttcagttcg  | tccgatttct  | tctcctcaat  | cagttctgat  | 3906480 |
| acttttttga  | tttcttcgtt | ttccatacct  | tactcggttg  | cgagtgcctg  | ttccaccctg  | 3906540 |
| ttgggtcaatt | cgatgaagtc | tgctaccgac  | agctgttcgg  | gccgtttgtt  | gaatatcggg  | 3906600 |
| tctgcactga  | gcgggttccc | tttttccagt  | atcggagaga  | ttgagttgcy  | cagggctctg  | 3906660 |
| cggcgctggt  | tgaacgtggg | tttcacaatc  | tgcttgaaca  | gcttctcgct  | gcaccccagc  | 3906720 |
| tccgtgggtt  | cgttgccgct | catgcgtatc  | acggcactct  | tcaccttggg  | aggcggattg  | 3906780 |
| aacacatggt  | cgtgtacggt | aaacaagtat  | tccaccttat  | accacgcctg  | aatcagcacg  | 3906840 |
| ctcagaatgc  | cgtacgtctt | gcttcccggg  | ccggcagcaa  | tgcgttcggc  | aacctccttt  | 3906900 |
| tgaatcattc  | ccgtgcagca | gggtatcaga  | tctttgtagt  | cgagcatctt  | gaaaaaaatc  | 3906960 |
| tggtctggaga | tggtatacgg | atagttcccc  | gtcagcacga  | aaggctgtcc  | gccgaagagc  | 3907020 |
| tctttcaggt  | ccatcttcag | gaaatcctgc  | tcgatgatgt  | tgtcgcccag  | ttgcgcgaaa  | 3907080 |
| ttctcccgcg  | ggtaagctac | cgattcgaaa  | tccagttcca  | ccaccttcac  | cggctcttccc | 3907140 |
| ttggggatga  | ggaactgtgt | caacacaccc  | attcccggct  | ccacttccag  | tatcggcagg  | 3907200 |
| tcggggcagg  | tatctaccgt | atcggctatg  | tctttggcta  | cttggaggct  | tttcagaaag  | 3907260 |
| tgctgtccta  | aaaacttttt | cggtttaact  | aatttcatct  | cgtatgtatt  | ttctcgatat  | 3907320 |
| aaataaaagaa | ttattccagc | aagatattat  | ctttgcatcg  | tgcaaattta  | agcattaatc  | 3907380 |
| tttaataaac  | gattacgttt | tggaaacgaac | tgatataaaa  | aagctcataa  | ataaggtctt  | 3907440 |
| tcaggtagct  | ttgcctctca | tgctgggagc  | cgccatttta  | gtatggacgt  | accacggatt  | 3907500 |
| cgacttccgg  | cgtgtgtgcy | aagtaatgga  | tggaggcatg  | aactacgggt  | ggatgctttt  | 3907560 |
| ttcgctgggt  | ttcgggtgct | tcgggcacct  | gttcgcggga  | tggcgggtga  | acctggcgct  | 3907620 |
| ggcccccttg  | ggcgaataat | ccaaacgctc  | gaacagcgta  | tatgccatct  | tcgtcgccct  | 3907680 |
| tgccgtcaac  | ctgattctgc | cgcgggtggg  | agaggtttcc  | cgtgcggggg  | tactggcgaa  | 3907740 |
| atacgataac  | gtctctttct | ccaagtctct  | gggaacagtt  | gtttccgagc  | ggctgggtcga | 3907800 |
| ttctgtctgt  | gtgttgctca | ttacggcagg  | aaccctgctg  | ctccagacgg  | gtgtctttgc  | 3907860 |
| ccgcttcttc  | cgcgtcaccc | gaaccgacgg  | cgccttcttt  | cttcacctgt  | tctcgtcgac  | 3907920 |
| taacttttac  | atcaccttg  | tctgcattgt  | tgctgcatcg  | atcttactgt  | gctggctggt  | 3907980 |
| acgcaatctc  | accatttttg | cgaagtgag   | gggcatgctg  | aaaaacgtct  | ggctgggctg  | 3908040 |
| cctgtccatc  | cgcaatgtca | aacatccggt  | gctgtacctt  | ttctataacc  | tagccatctg  | 3908100 |
| ggcatgctac  | ttcctgcact | tctatctgac  | gttctactgc  | ttcgacttct  | cggccggact  | 3908160 |
| gggctgggct  | gccggcatgg | tattgttcgt  | gggtgggaagt | attgccgtca  | tcgttccac   | 3908220 |
| ccccaacgga  | gccggaccgt | ggcattttgc  | cgtcatcacc  | atgatgatga  | tgtatggcgt  | 3908280 |
| aagtaaggaa  | gatgcaggaa | tatttgact   | tttagtacat  | ggatttcaaa  | cctttttatt  | 3908340 |
| aattttgtta  | ggaatatatg | gactgggtgg  | tttgccgctt  | acaaataaaa  | ataaaactaa  | 3908400 |
| aacctatgag  | tgaatttctt | tctctgactc  | cacagaatgt  | gtggaagcat  | ttttatgcgt  | 3908460 |

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|             |            |             |             |             |             |         |
|-------------|------------|-------------|-------------|-------------|-------------|---------|
| tgactcaagt  | gcctcgtcct | tcaggacatc  | tggaacaaagt | tcagtcgttc  | ttactggaat  | 3908520 |
| ttggcaagca  | agcaggtgtt | gaagcttttc  | aggatgaggc  | tggaacatt   | atctatcgca  | 3908580 |
| agcctgccac  | tccgggtatg | gagaatcgta  | aaaccgtaat  | cttgaggca   | cacatggata  | 3908640 |
| tggtgccgca  | aaagaacaaa | gatacacagc  | atgacttcga  | aaacgatcct  | atccagccgt  | 3908700 |
| acgtagacgg  | cgaatgggtg | aaggcaaaag  | gtactacact  | gggttccgac  | gacggtatgg  | 3908760 |
| gcgtagctgc  | tatcatggct | gtgatggaag  | acaaaaccct  | gaaacacggg  | ccgctggtag  | 3908820 |
| ccctgattac  | tgccgatgaa | gaaacaggca  | tgtacggagc  | cttcgggtctg | aagccgggaa  | 3908880 |
| ccatcgaagg  | cgatatcctg | ctgaacctcg  | attcgggaaga | agaaggtgaa  | ctgtatatcg  | 3908940 |
| gctgtgctgg  | tggtgaagat | ctgacagcta  | cactggaata  | caaggaagaa  | gaaaccgatc  | 3909000 |
| ccgaagacgt  | agccctgaag | gttactctga  | aaggctctgcg | cggcggtcat  | tccggcatcc  | 3909060 |
| agataggctg  | gggacatgcc | aatgccaca   | agctcatggc  | acgcttcctg  | aatcagggtca | 3909120 |
| ttgcctacga  | cgaggcttgt | ctggatctgt  | gggaaggcgg  | taacatgctg  | aatgccattc  | 3909180 |
| cacgtgaatg  | tgaagtggta | attaccgttc  | ccgaaacgga  | agtagacgac  | gtactggcat  | 3909240 |
| tcgtaggcga  | gtgcgaacag | gtatggcgcg  | acgaatttgc  | cggcatcgaa  | gaagacctca  | 3909300 |
| gcttcaaggc  | agaacgcgta | gctctgcca   | agtatatggt  | accggaagaa  | atccgcgata  | 3909360 |
| atctggtaga  | cgccatctac | gcttgtcca   | acggtgtaga  | acgtttcatc  | ccgagcattc  | 3909420 |
| ccgatacggg  | agaaacctca | tccaaccttg  | ctatcgtcga  | aatagccaac  | ggaaaggcag  | 3909480 |
| ctgtcaagggt | attgacacgc | agtgtctgtg  | aatcgatgaa  | ggattaccgc  | aacacagcca  | 3909540 |
| tcgaaagctg  | tttctccatg | gcaggcatgc  | acgtagaacg  | ttcgggcagc  | tattcagggt  | 3909600 |
| gggaaccgaa  | tgtaaattct | cctatcctgc  | acgccatgaa  | agaagcatac  | aaggctcagt  | 3909660 |
| ttggcgaaaca | gcctgaagtg | aaagtcatcc  | atgccggact  | ggaatgcggg  | atcatcggag  | 3909720 |
| ccattatccc  | gggactcgac | atgatctcct  | tcggacctac  | cttgacgtgt  | ccgcatacac  | 3909780 |
| cggagaagacg | ttgccacatc | ccttcagtag  | ccaagttcta  | cgacttcctg  | actgctacat  | 3909840 |
| tggaacaaatc | tcctgaaaaa | taattcctga  | cggatacaca  | taaagagggc  | tgcttcaatc  | 3909900 |
| attcagttga  | agcagccctc | ttgctttata  | tatcctccgt  | atcttcacgt  | tcccatacgg  | 3909960 |
| tggaactacc  | tgcgtaaatt | tccttttagt  | tcacggggt   | gaatgaaaac  | agaatagagt  | 3910020 |
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| ccggatccag  | atcttcatac | tttgtttccc  | cgttgttcat  | cttttcgagg  | caactcatta  | 3910200 |
| tcgcattctt  | ttcacgttca | ctaaagctta  | cattcgaagt  | gttataaaca  | tactccgagc  | 3910260 |
| agttataatc  | ttgctgcata | taatggatac  | gctccaagaa  | atgagtgaag  | tagctgcttt  | 3910320 |
| cactttgatc  | ctgtggtgta | catatatact  | caatctgatt  | caacttggtg  | tttgcgtcaa  | 3910380 |
| atttataaga  | aacatatctg | tttgctttta  | gatcagttga  | cgcagaactc  | gactgcgtaa  | 3910440 |
| aatcctgttt  | agcctcactc | gaataatcta  | catctccata  | aatatcatcc  | tcaacgatgt  | 3910500 |
| tgatgggtgcc | atcagtcgat | attgcccgtg  | ttgtgtagt   | cgacagattc  | tccatggttt  | 3910560 |
| cctcccgcgt  | gtcataccag | aaattacatc  | tgatgtccga  | agcaacgacc  | tcaatctgtt  | 3910620 |
| tcgtctttgt  | aatcacttgc | tgagtagcat  | ccccagtga   | taatccattg  | ttgatagccg  | 3910680 |
| ataaagtgat  | ggtatgcttt | cccgggtgtcg | tacaataaat  | ttcagccgac  | aattcaccgt  | 3910740 |
| ttatcgattt  | gatagtagtc | ggaagcttgc  | cgctgataga  | tacttgaatt  | ttttcggatg  | 3910800 |
| ccaagccact  | tccgggaaca | tacgaactcg  | aaatagtaaa  | ccactgatgc  | gtaccaatct  | 3910860 |
| ttgtacgatc  | taccgagata | tctcccagtt  | gacccgcggt  | agaatactgc  | gtatcatctt  | 3910920 |
| ccgaagaaca  | ggagaacaaa | gaaaggcttg  | ccataaata   | agccagacaa  | gctgaaatgt  | 3910980 |
| tgtgattctt  | tttcatttta | ttatgagttt  | attgtgtttc  | tttttctgaa  | cgaatttgca  | 3911040 |
| tatatctgca  | aagtatctgt | tttctcatgg  | aattacaata  | tacacatttt  | cacgatatgc  | 3911100 |
| taccttcttt  | tttttcggta | aatacaattt  | ttagggtaca  | agtttaagact | tattttgatc  | 3911160 |
| aatcgtgaaa  | ttgctgtaaa | ccaatcaaca  | aaccgaaatg  | atgttcctac  | aactcattta  | 3911220 |
| ttatttcttc  | ttccgtcagc | cccgtggctt  | gtacaatctg  | tgccgtagtc  | agtcccagcg  | 3911280 |
| atttcagggt  | acgtgcaata | gcgatttttt  | cttccgcacg  | tccttccgca  | cgtccttctg  | 3911340 |

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| ctctaccttc | ttccagcccc | tttttccaac | cagcttcgcg | cgcacacctt  | tctacgatcc  | 3911460 |
| ggctcacacg | gtagcgatcc | agcgccttgt | cgtaggcaat | gcggtcctcc  | atcgagaggt  | 3911520 |
| tagccacagc | ggcaagctcc | tccagacggg | tgaaaacctg | ttctttcaac  | gcatccggca  | 3911580 |
| ttcggttcca | atgttgcata | ttcttcagtg | tataaataag | tttgtcataa  | agagttttac  | 3911640 |
| agtccttaag | ctccttggtg | aaatacggga | actgaaggaa | aatctgccgg  | aagtgcgggt  | 3911700 |
| tcaccacctt | accgttttcc | cggtcggcta | taacagtatc | cgtacggaac  | ttttcttcca  | 3911760 |
| gtcccggctc | ccggaagtcc | ataaggaaga | taccgtatac | cgtcgagagc  | ctgtatctgg  | 3911820 |
| ccccgtagtt | ttcctgcata | ggttccctca | gccaaaaatc | atcttcctcc  | tcctcgtccg  | 3911880 |
| gctttcccat | tttcagttca | cgctcttttc | tcctcttctc | gcgcaagttc  | tccacctgcc  | 3911940 |
| tgccgatagc | cctgcacata | tagaacagtg | tgcggtccag | aaagctgctg  | tggaaccggt  | 3912000 |
| tctgcatctc | cacgatgata | tattcccccg | tatccgctcg | gcagtacagg  | tcgtagatga  | 3912060 |
| tccccgcata | tgccatgctg | tcagagtgat | tctccttata | cagaaaaatc  | aggtttctcga | 3912120 |
| tacgatgctc | tcccgcacgc | agttcgttca | ggagcgtgat | aagcaattcc  | ttgctagcag  | 3912180 |
| gctgtccgaa | tataattttg | aatccgatat | cggtaaaccg | gttcacaaaag | tgcccgcaag  | 3912240 |
| tcaaatccat | accgtccata | tttctctctt | tccgtgtttc | gttttacaaa  | agaatttctt  | 3912300 |
| cagcgttatt | ctgtcatcag | atcatgcttt | gtttccgata | gtcacgcaat  | ccgttcatat  | 3912360 |
| ccggttattc | cttgtcaatt | ttctgatata | ttcctccgtc | agcctcgact  | gtttcagggt  | 3912420 |
| gcgtgcatgc | atttagtagt | tgataattac | aaagtaagca | aataaatacc  | gaaactacaa  | 3912480 |
| gccgatacaa | aaaaatcgcc | acgatactcc | gcatagcgtg | taccgtggcg  | atttcttgta  | 3912540 |
| taaaatatcc | ttttagaact | tccgtaactt | cagcagggca | tagtccgatt  | ccagggtcat  | 3912600 |
| gtacttgccg | tcgcacgagc | tcacgttgaa | caccgtttcc | gcctgattgt  | cgataccgaa  | 3912660 |
| atgccgcagc | atctccaccg | gcgcacacct | cttggtgtcg | ctcgtgttgg  | cacgtacctt  | 3912720 |
| gaaatccttc | agcaccagct | gcgtctcggt | gttgccgtac | tccgtacgcc  | cgatgtaact  | 3912780 |
| gccgtagccg | ttcggccctt | gcttttccga | cacttccgtc | accatgcgcg  | taatgctgta  | 3912840 |
| atacaagcgc | tcgcacgtca | ccacctcacg | cgtatccttc | accatgaact  | gctccaactg  | 3912900 |
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| caccaccaga | gccatccaaa | tcatacctt  | gtttctcata | atccgaatcc  | tccacatttt  | 3913020 |
| ctgattgtca | acataccacc | cgtactgttt | ccgggataat | ttccacggtc  | aaccgccaga  | 3913080 |
| gcagcactga | aactccatcc | cttcagacgt | tcaggccgat | aagtcacctc  | cgccagactg  | 3913140 |
| ctgaactgct | tcttcacctc | gtcgaaaggc | tttatatacg | atccccagtt  | gcgggcatac  | 3913200 |
| gaaaccagca | atctccagtt | ccattcctcc | gacggatcac | ccgtcagttc  | tacatgctga  | 3913260 |
| gccttcaccc | ggcaaccctt | cacctcggtc | acaccatccg | tattatacgc  | cggtcccggc  | 3913320 |
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| taataattat | cgcgaccact | catctgcaag | tcgttgaaag | aaccgcgtat  | cccgtcgtag  | 3913440 |
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| cggttcttcg | gaaaatccac | ttccacggcg | atgtgaccat | ccttccatcg  | tccgtactgc  | 3913560 |
| cagaacatct | gcgagtgatc | ctcgaaataa | tgctccagat | atgccttaaa  | cttccagtcg  | 3913620 |
| cccgcatagt | aattcagcgc | gaagttccaa | cttccgcagt | ggtttccctc  | cacgtttctcc | 3913680 |
| agcgtacttt | cctgcttggg | gaagaacacc | ttccagaaat | ccttgagtcc  | ctgcggcata  | 3913740 |
| tctcttacca | gactcacgct | accgtccgca | ttcttctgca | tccgcttgcc  | gccgaattgt  | 3913800 |
| gctgccgtca | gcaaaccaaa | ttcaaagtcc | accggcaact | tctcccgggt  | accagtcggg  | 3913860 |
| atcattagcg | acttgctgtg | atacagcacc | ccgtcgtat  | aaatctgtcc  | cggagccaca  | 3913920 |
| aaatcctcct | gccagtcgcc | gtcggtaaaa | taccgtaaac | tcagataccc  | cttaaaggcc  | 3913980 |
| atccaaccct | tcgtaccggg | aacgttcagg | taatccttca | cttccaccgg  | tacctgcgga  | 3914040 |
| atcggcctca | tggtcgtacc | ttccaccatc | cagccactgg | tcagcttctc  | gttcttcgcg  | 3914100 |
| agcggaaacc | ccggccgttc | cttgcttccg | atactcagcg | tcagcgtctt  | ccacgacaca  | 3914160 |
| tccgcataag | cctgctgcac | ccaaaacttc | gacgacaggt | tctttccttc  | tgccagatcc  | 3914220 |

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| attcctgcgt  | caatccgcc   | gttcttcggc  | aacaccttgt  | tccattccgc  | tccggcacgc  | 3914280 |
| acatacgcaa  | agttaggctc  | attgcccgcc  | acaccatagc  | ggttggccgt  | cagccacaca  | 3914340 |
| ggagcataat  | ccccgttcga  | taccgccaca  | cccgtttcca  | ccttatactt  | cagcgagtcg  | 3914400 |
| gcaggctgct  | gcgcataaag  | cggactaaaa  | agtgtagtca  | gtaataaagt  | ctttatcagt  | 3914460 |
| ttcataccat  | tttcgttaga  | gagttgcaaa  | gaaagtgaat  | aaatggtaga  | ctggcaagtc  | 3914520 |
| tagcgcctat  | agttgttcta  | tttctttggc  | agaaagtccg  | gtagcagcct  | gaatctgttc  | 3914580 |
| agtactcagt  | cccagagatt  | tcaggttgcg  | agcaatagcg  | gtttgtgttt  | ccgcgcgccc  | 3914640 |
| ttctgctatt  | ccttccgcac  | gaccttccgc  | gcgaccttct  | gcacgacctt  | ctgcacgacc  | 3914700 |
| ttctgcacga  | ccttctgcac  | gaccttctgc  | acgaccttct  | gcacgacctt  | ctgcacgttc  | 3914760 |
| cgatcatgata | ttatcccgcga | gaattacgat  | gttgtccaga  | tgcttgtaat  | acgcgttcag  | 3914820 |
| ctcctctcgg  | ctcatgcggt  | ccagcttcaa  | ctgttccttc  | accttggtcca | gtcccgggtgc | 3914880 |
| cgtggcatgt  | tccggcacgt  | ttcccgtgtt  | caggtataaa  | atccactcct  | ccagcggcgt  | 3914940 |
| ttttgccacc  | cgggtgaagt  | cattcacctt  | caggatataa  | tactccggat  | aaagctggct  | 3915000 |
| caccttgctc  | acctgaacg   | tctgcttctg  | gaaggggctc  | agctccagca  | catccccctc  | 3915060 |
| gtgaatcccc  | acgaactccg  | tcttcccgtg  | atacacgaaa  | tccttgccgt  | gtcccagcga  | 3915120 |
| gaaatacacg  | atgttcacgc  | tgtacacctt  | gcgtaccttg  | tcgtaccctt  | gtccgcgggtt | 3915180 |
| gatatactcc  | gtcaccagct  | tcgaagcccc  | gaacagcatc  | cgctggaaat  | acgcatactc  | 3915240 |
| attgttggtc  | tgcacctcga  | tgagcaccag  | ttcccctttc  | gagttctccg  | ccagcatgtc  | 3915300 |
| cacgcggttg  | tacttgctga  | actcatcctc  | ctgattactt  | tcactctcca  | gcagtttctg  | 3915360 |
| gatcgtcacc  | ttttcttcca  | gcagcgtagt  | gagcagtcct  | tccagcaccg  | catagttggc  | 3915420 |
| cttggtgcgc  | agcaggcgt   | tcacgcacca  | gtcaaaccga  | atataacttt  | ccataggaca  | 3915480 |
| atTTTTTTat  | catattatca  | cgtgtgcaag  | ttacaatgtt  | tttaggaaaa  | aacaaatatt  | 3915540 |
| tgctatatct  | tctccttggt  | taataatttg  | tccttggtcaa | gctgaacctt  | acgcaagggt  | 3915600 |
| tcaagagcct  | gctcagatct  | tttccgggtca | atctgtaaat  | gcagatgaca  | ggcagggcat  | 3915660 |
| acccgcttgc  | catccaaggt  | cttgctgaac  | actgtcctgt  | tcttaatgat  | cgacttaatc  | 3915720 |
| tgctcatggg  | taatatttcc  | cgtctattat  | agagaagcat  | tgacggtgtt  | gctttactcc  | 3915780 |
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| gtctaccttg  | cccagattgt  | tgccgggtgca | atagtcgtcc  | catgcctcgc  | acaaggggtc  | 3916080 |
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| gatgcccttt  | gctattgctg  | ttgcggaata  | cgtgcattcc  | tccaatgtaa  | aatacttcat  | 3916200 |
| acgtttttat  | gtgttaagtt  | tatactatcc  | aaagttcttt  | ttgtaaatcc  | tatgaatact  | 3916260 |
| aggatggcag  | tttcgttttt  | ttctctatgc  | tgatacaatt  | ttgcaacatt  | tgtttactta  | 3916320 |
| tctcggtttg  | gtgaatccaa  | tgaaggcaca  | tctccttacc  | atattggtga  | tatcttctcc  | 3916380 |
| agcgatgata  | aatgaggcgg  | tttcaccggt  | aggcaagaag  | cctccgtgcg  | accggccttt  | 3916440 |
| ccagccaccg  | aattcagtat  | attggcgggtc | gaagtccttg  | ttttttgcaa  | aaaaaatgtc  | 3916500 |
| caatgcttgt  | ggacggatat  | aataactgtt  | ggctttcgc   | cttatcacat  | ctgcttggtg  | 3916560 |
| gtcatgtcct  | gtacggatta  | attatttcac  | attcacacct  | tcgtgcgcaa  | tgaccaaagt  | 3916620 |
| ctcgatggag  | gtcgtgttac  | catcggctct  | gaaaccttct  | atggtaagct  | ttttgggcca  | 3916680 |
| tgcggttcacc | gcctcccagg  | tctttactgg  | gctgcccgat  | tcgtccagca  | ggctgactgt  | 3916740 |
| tacctcttcg  | cgctggatgg  | tgttcagttt  | caccttattg  | atccagtccc  | atagtttttt  | 3916800 |
| gtcatctttg  | cagatacctt  | tcttgatggg  | cagatcaccc  | gcttttctca  | gtcccggcat  | 3916860 |
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| ataaaaaactc | ggcaaaggcc  | atgcttgtgt  | gcttgcacct  | tgtgctgac   | cattctctgc  | 3917040 |
| catactatatt | tagtttatca  | tttaattgtc  | tgttttttatc | agcttttctg  | catctgttgc  | 3917100 |

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| aggatacctt  | ccagtatgtc   | atcgcccgtc  | atcgatatctc | ccagaccaac  | atgcacctcg  | 3917220 |
| tatgcctctt  | caggggtcga   | gccggccagt  | ccgccacgtt  | tccatacact  | gcacaggaaa  | 3917280 |
| ttctcaatca  | tgctcttcat   | gttgatccag  | gtattcgcg   | cgttcggctc  | gcacacgtag  | 3917340 |
| gcccgtgcgg  | cgttcttcac   | cgaaatttcc  | aggaaactca  | tcgtgcgtcg  | cacgttcaca  | 3917400 |
| taccgccagt  | cctgcgagtt   | gccgtccaag  | gtgcgtgcgc  | cccatacctt  | gatcccttcg  | 3917460 |
| ccggggaatg  | cacggataac   | gttgatggct  | tttccgttca  | tcggcatggt  | atagtcttcc  | 3917520 |
| tgttcccggg  | cagtataaac   | ggtcgacggc  | ttgtcacgt   | aattgatgga  | tacattggca  | 3917580 |
| ggcgctttcc  | atacgccgcg   | ggtatggtct  | accatcggtg  | atagtccggc  | catggctccc  | 3917640 |
| gaaggcggaa  | gcagggttcag  | gtagtccttg  | actttctttt  | ccagcagatt  | gtatgcagga  | 3917700 |
| aggttctgca  | tcagcgcatt   | gtgcagggtg  | ttgcgggtgca | acggctcatt  | gttgtcattc  | 3917760 |
| ttctttattt  | ctgcgatttc   | tccttgaata  | taggcatcaa  | gctgggcatt  | cccggtttta  | 3917820 |
| aaatcttggg  | tgatgtccag   | tttcatcact  | tctccgtcaa  | tgctggtgtc  | cgacaatacc  | 3917880 |
| gtcggtttcca | gccacggata   | ataggctgcc  | ccataggcca  | gaaaattgct  | ccccatcttg  | 3917940 |
| gtgcggaagt  | cttcttcccc   | gttttggggc  | acatccagaa  | tggcaaaacg  | gttggttgcg  | 3918000 |
| gcgcagtggt  | acagcatggc   | cgtgtagaag  | tcggcatatt  | cccctgtttc  | caccgcttcg  | 3918060 |
| ggaatgacga  | gtagagtaat   | ttccggttcc  | tttgtcaggg  | caggcaatac  | cgtattattc  | 3918120 |
| acgatatcct  | tgctgagggg   | acccgtggca  | taatcgccca  | ccgacacaat  | gtagcagggtg | 3918180 |
| ccgccgccgt  | ttgcaaagaa   | cagcttcagg  | tgatagtaca  | gcgtacagtg  | tttgttattc  | 3918240 |
| agtgtcgctt  | gaagtttttt   | ttctccatat  | ctcactgaaa  | ctgtggcagc  | ttcattgtct  | 3918300 |
| gcacccgcta  | caattatgtc   | aaagcgggtg  | atctgcggtc  | ctccgaaata  | ctgcttatat  | 3918360 |
| tctgtcatcg  | acgaaatccg   | gacagggttg  | tttttcaggg  | attccgttcc  | attctgtgct  | 3918420 |
| ttctcgggtca | gcccataatgaa | cactgggatg  | gcagtttcgg  | cttccactac  | ggagtttccg  | 3918480 |
| aaagcggttt  | tctccttgat   | gtaaacgccg  | ggtgtcttgt  | attcactcat  | agtttctatt  | 3918540 |
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| gttgacgtag  | ttgtgttgaa   | tccggatgcg  | gtataatata  | cggtagcttt  | ccgtcgatgt  | 3918660 |
| acgttttaag  | ttacatatca   | ctggtgtttc  | ctattgatcc  | cacgggagcc  | agtccttcgg  | 3918720 |
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| tagagtaccg  | tggcgatttc   | cgtttacttt  | cccgccgcaa  | aatccttgat  | gcgctgttcc  | 3918960 |
| tcactcagta  | ctacgcaact   | gctgccgata  | atcaataaaa  | tgcaagctga  | tatattcgct  | 3919020 |
| gacaatcaac  | cattagactt   | acaatgtttt  | tgcaaggtcc  | ttcaaattaa  | ttatggcaac  | 3919080 |
| tgatgggaaa  | gatatatttt   | taagttcatt  | gaaatggtga  | tcctccgtca  | cgatatattc  | 3919140 |
| cgcattggct  | gttatggcac   | agtctacgaa  | cttattgtca  | tcctgggtctg | ctgtaattag  | 3919200 |
| atgaaaacgg  | tagtgaggag   | ttaatttctt  | tacattttca  | cgagtaagaa  | tcgtgtagat  | 3919260 |
| aatcgtttcg  | gctacatact   | tattaatgtt  | gcgagtcagt  | acttccagat  | actcttctac  | 3919320 |
| gatttcatgt  | cttatacata   | acgtatagtc  | tccattcaag  | aatgattgcc  | acactttatg  | 3919380 |
| gcagtcattc  | ttcgctgaaa   | ttgcaataat  | ctgtgagttt  | gtatccaata  | caatgtttct  | 3919440 |
| catattcatt  | tatagggagt   | acgttcattg  | agttggtaga  | atttatcgac  | tttttcctca  | 3919500 |
| tttaattctc  | cattctccca   | caaacgggtca | atttcttttt  | gcgcttgctt  | ggcgaaatag  | 3919560 |
| tcagaaaatag | cctttttaag   | ttctgctaata | gcttcaggac  | tatccacaaa  | cgacatcatt  | 3919620 |
| tcaagcactt  | gcaattgagc   | cggattaaaa  | actgtagtat  | tcatatatatt | ggatttggtt  | 3919680 |
| ctaatacaac  | aatacttcgg   | ttaaattttta | ccgataaatt  | aaaattaaac  | atagaatcgg  | 3919740 |
| cataatccgg  | ttcaaaaatta  | tattcaagag  | atcattgaaa  | tactgtcaag  | aataaatcgt  | 3919800 |
| caaggagtaa  | gaaaagggat   | gaaaaagata  | tgctaaacag  | ctgaaaatca  | acagaaaaag  | 3919860 |
| tatttcataa  | ttcactgatt   | tttagtaaat  | tagaagtact  | tcaccacttt  | taattatgac  | 3919920 |
| taaagaatca  | ctccttatgc   | aataccaatc  | cgagtgcaga  | aacgctctcg  | aatcagctgt  | 3919980 |

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| acctgaccgc  | atcaattttc  | tacaaatggg  | acggtatgga  | tgtttctcgg  | aacagacata  | 3920100 |
| ccgcaacaat  | tttgagaacg  | acggctttga  | ctggttttcc  | ttcaatgaag  | ccatcatcag  | 3920160 |
| ggaacacctt  | aaagggtggtc | gcaaggcgat  | agccgttgat  | ccgtctttca  | ttccaaaatc  | 3920220 |
| aggcagcaaa  | acgccgtgga  | ttggctattt  | ctggctccgt  | tgtgccggtg  | aatacaaacg  | 3920280 |
| tggactggaa  | ataaccggta  | ttggagtatt  | agacgttgac  | aaccatgaat  | gtatgacttt  | 3920340 |
| gggctctgta  | cagacacctg  | acaacgcaac  | gctggaaagc  | tgtgagaaga  | atcttggtga  | 3920400 |
| ctggtacagc  | tcttacctta  | tcagcatata  | ggaacagctg  | aaacgtattt  | ctggcacagt  | 3920460 |
| cgtgtgtgat  | gcgttctttt  | caaaggcaac  | tttcatcaaa  | ccattgtacg  | ataacggttt  | 3920520 |
| ccacgtaata  | agccgtttca  | ggaatgatgc  | cgtattgttt  | tatcccacct  | tagaaaaatag | 3920580 |
| gacaggaaaa  | cgcggtgacgc | caaaattaca  | tgacgagaaa  | attgactttg  | aaaatctgga  | 3920640 |
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| ctccaaagca  | ctcaaagcgt  | ttgtgagcct  | ggctgtatgg  | taccccatgg  | atggaagaac  | 3920760 |
| ggacaaatgg  | cagctgtatt  | tctctacaaa  | cgaatacag   | aacgcacagg  | atgtcctgga  | 3920820 |
| cttttacaga  | acacgtttcc  | aactcgaatt  | ctgctttcgg  | gatgccaagc  | aacatgccgg  | 3920880 |
| aatagcaaac  | tgtcagtcta  | cagacttcag  | gaaactggca  | ttccacttta  | atgcatcact  | 3920940 |
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| atcatgcaag  | tcagtcatac  | acaatgctta  | catgcttgaa  | cgattttattt | gcgtgtctgg  | 3921060 |
| gattgaacca  | aacacgcaat  | taattgacaa  | acttttcaaa  | gaactcattt  | tatttactgc  | 3921120 |
| cagagccgct  | taggctgggc  | taatttttaa  | cgaactattg  | aaataacaaa  | tggaagatta  | 3921180 |
| tttcttttaa  | aaaactataa  | attgtagaaa  | gcctcgattt  | cgttggtcga  | taatatttgc  | 3921240 |
| caattagtcg  | gattaatatg  | gctatatgta  | ataactggct  | tgttttatgg  | ttattgttag  | 3921300 |
| ttaaaccggtg | ctttttttga  | ccgatttttt  | cattatatatt | gcatggctaa  | aaactaaaca  | 3921360 |
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| ggtgataacg  | aatttgctgt  | acaaacgggt  | acaacaactt  | ccagtaatca  | atccactcag  | 3921600 |
| tatccggcta  | ctatcaaagg  | cttgaggat   | attgagattc  | gtccgcagg   | atcgggcttt  | 3921660 |
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| aaggcaaac   | tgaaaaccgt  | ttccgaaaca  | gaagcgaaca  | aaaagatgct  | gcatgaacag  | 3921840 |
| aaaatcatca  | gcgatttcga  | atatcagact  | gctatcaata  | atctgttgac  | tgccaaggct  | 3921900 |
| agtctggcac  | aggctgaggc  | tgcttattcg  | gctgctaagc  | agaacttagg  | tttctgtaca  | 3921960 |
| gtaaccagtc  | cgtcggacgg  | tgtgatcgga  | actttcccgt  | atcgtgtagg  | tgcatgtggt  | 3922020 |
| agtgttcaa   | tcgcagagcc  | gttgacaact  | gtttctcaga  | ttggtgatat  | gtatgtgtat  | 3922080 |
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| cagttggaaa  | aaatgccggc  | agttaaattg  | cagttgtcgg  | atggtacaat  | gtacgacgct  | 3922200 |
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| ttcccttacg  | ctatgaataa  | tggttatattg | cttcctcagt  | cggctacaca  | ggaaattcag  | 3922380 |
| gacaagaaat  | tcgtgtatgt  | cttgaggcc   | gacagtacac  | tgaacatac   | cgaaatccag  | 3922440 |
| gtttccaatt  | tgaacgacgg  | taagaactat  | atcgtaaccg  | gcggattgaa  | agaaggcgat  | 3922500 |
| aaggtagtag  | ttgaagggtg  | tcagactttg  | caggatggac  | agaaaatcgt  | tcctattact  | 3922560 |
| gtagctcaga  | aagaagctaa  | gtatcagaaa  | gccctccagg  | atcagcgcgga | tggaatatatc | 3922620 |
| cagactgctt  | tcaattgatt  | tgtgtgaggt  | gaacaattta  | ttcgtataat  | ataatattat  | 3922680 |
| tcaaggaata  | gaatgaaact  | agataaattt  | attaatcgtc  | cggtagtatac | aacggtaatc  | 3922740 |
| tctatcttga  | tagttattct  | gggtattatc  | ggccttgcta  | cactgccggg  | aacacagtat  | 3922800 |
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| cagggtagcg | accctgatat  | ggcagcggtc  | aacgtacaga  | accgtgtttc | tatggcacag  | 3923040 |
| ggtctgttgc | ctgccgaagt  | aacaaaagtc  | ggtgtcacta  | ctcagaaacg | tcagaactct  | 3923100 |
| atgttgctga | tcttctctct  | gtacgatgcg  | gaagacaagt  | ataacatcga | gttcattgaa  | 3923160 |
| aactatgcca | agatcaactt  | gattccggaa  | gttcagcgtg  | taaaaggtgt | gggtgatgcc  | 3923220 |
| aacgtgatgg | gtcaggatta  | ttctatgcgt  | atctggctga  | agccggatgt | catggcacag  | 3923280 |
| tataagctgg | taccgggtga  | tatttccaat  | gcactggctg  | aacagaacat | cgaagcagct  | 3923340 |
| ccgggacagt | ttggtgaacg  | tggttaaccag | actttccagt  | atactatccg | ttacaaagga  | 3923400 |
| cgtttgcagc | agacagaaga  | atttcgagaac | atcgtcatca  | aggcactgcc | taacggtgag  | 3923460 |
| gttcttcgct | tgggggatgt  | agcccgtatc  | gaactgggcc  | gtctggcata | tacctttaat  | 3923520 |
| aatacggtaa | acggacataa  | ggctgtaacc  | tgtatcgat   | tccagatggc | tggaaccaac  | 3923580 |
| gctacagaaa | ccatcaacaa  | cttgctggat  | gtaattcata  | aagcagaaga | aagcttgccg  | 3923640 |
| gcaggtttga | aaatcaacgt  | ggctcagaat  | gccaacgact  | tcttgtagcg | ctctatccac  | 3923700 |
| gaagtatca  | agactttgat  | cgaggcattt  | atcctcgtgt  | tcacgtagt  | atacgtcttc  | 3923760 |
| ttgcaggata | tgcgtttctac | tttgattccg  | gccatcgcta  | ttccggttgc | cttgattgag  | 3923820 |
| acattcttcg | tcctgaagct  | gatcggattt  | agtgtgaact  | tgctgacttt | gtcggcgatg  | 3923880 |
| gtgcttgcca | ttgcgattgt  | ggctgatgat  | gccatcgttg  | tgggtggaag | tgttcatgag  | 3923940 |
| aaactggacc | agggatataa  | atcttcccgc  | gaggcttcta  | tcgatgccat | gagcgaacta  | 3924000 |
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| gcattctccg | cattgaacgc  | gttgaccttg  | tcgcctgcgt  | tgtgtgccct | cttcctgaaa  | 3924180 |
| ccgcacgatt | cagaacatca  | gcctaagaag  | atgagcgtgg  | tcgaccgttt | ccatgcttcc  | 3924240 |
| ttcaacgccg | catagcactc  | tttggtgaag  | agctataaga  | aacgtgttgt | cttcttcatc  | 3924300 |
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| cccgtattgt  | ttgtgatctt | ccagtgggtg | caagagaaag | ttaaaccgat  | ggaatgggat  | 3925860 |
| agcctcgatg  | aaagcgaagt | tgaatctgaa | attgaacagt | attctcctgc  | tagtaaaact  | 3925920 |
| cataaatgat  | aaagacgata | atgaaaaaac | aaatattagg | tgcaatgtgt  | gtagctgcca  | 3925980 |
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| tgctgaccgc  | tgctcgtctt | tcttaccttc | cttccatcaa | tctggctcct  | cagggaacac  | 3926280 |
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| gccgctcgac  | aacctgctgg | actacgtctt  | ttatgtatct | ttcttcccc  | agctggtagc | 3931680 |
| aggacctatt  | gtgcgtgccc | gcgacttcat  | tcctcagatt | cgccagcccc | tgttcgtttc | 3931740 |
| gaaggaaatg  | ttcggcgaag | gagttttctt  | catcgtaagt | ggtctgttca | agaaagctgt | 3931800 |
| catctctgac  | tatatcagta | tcaactttgt  | agaacgcatt | ttcgacaatc | ccagcctgta | 3931860 |
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| caacttcaat  | tccccctaca | agtgcgacag  | cgtgaccgat | ttctggcacc | gctggcacat | 3932040 |
| ctccctgtcc  | acctggctgc | gcgattacct  | ctacatttcg | ctgggaggca | accggaaagg | 3932100 |
| caagatccgt  | acctacatca | acctgattct  | gaccatgctg | ttgggaggac | tctggcatgg | 3932160 |
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| gatatcacia  | atttatagaa  | aaagaatgga  | ttgggtataa  | aaaaagagaa  | tgtttttcaa  | 3934620 |
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<211> 67022

<212> ADN

<213> Bacteroides coprocola

<400> 7

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| ggatgacgaa  | tccgtaccgg  | cagccttcga  | cttghtaacg  | ccatgtcctc  | tgatttcata  | 120  |
| ccccctgact  | tcatttccct  | ttccgtcagt  | atatgggaat  | ccgatattgt  | agccttcaaa  | 180  |
| ttttccgttg  | ttcctgtccc  | ttataaggga  | aataaagggt  | gaaagagccg  | ttacagtcgc  | 240  |
| ttttgacagt  | ccgcgccgga  | agaacagtcc  | gggtatTTTT  | tccgtatcaa  | ccggcttcac  | 300  |
| ctcatatctg  | gaagcgtcaa  | acacaccgca  | tgattttcct  | accgatttaa  | catactccct  | 360  |
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| ctgccactca  | tcttttccgg  | ataccgtaaa  | ggaagaaaga  | ttctcacgga  | tgagtgtcac  | 480  |
| cacatctccc  | ttggaaccgt  | cacgccggaa  | gaaggctctg  | gccgccttgt  | cgttgggatg  | 540  |
| gctgacaatc  | agcgtatccc  | ttctgttgcc  | gccttcaccg  | agcaccagtt  | cgatgtaacg  | 600  |
| tccgataccg  | gctttcctgt  | ccagacggta  | tcccagggca  | tatgcaatgt  | catcaatccc  | 660  |
| cacacgggat  | ttcatttccc  | tgaaattaac  | cttghtagtca | ctcatgcttt  | ccgatttaag  | 720  |
| atgtttataca | gaatttcata  | taccaagtcc  | tgtaccggca  | ttccgggttc  | ggcccatcat  | 780  |
| ggtaatctcc  | ggttcgtatg  | tcttccgtgc  | cgatcatgtt  | aggaaagcct  | ccttgtcctt  | 840  |
| ccagtccgta  | agctggaaga  | atgtcctggc  | cgtttccctg  | gaaaccttct  | tcagccccag  | 900  |
| ttccacacca  | tcgtatgacg  | cacggatggc  | atagtctccg  | gaacgggtct  | tgacaatggc  | 960  |
| cgcattcctg  | aaaggcatct  | cctcgtccgc  | actgacagga  | gccagcgggt  | cattctttgc  | 1020 |
| cagataaagg  | tgttcgccga  | gagccagacg  | ctgtttgtcc  | acatgggtcaa | gaatcagggtc | 1080 |
| ggaagcctta  | tttacgtcag  | ccatgaccga  | tacgataaac  | ttcggttcct  | gtttcagtag  | 1140 |
| accaatccac  | gagtccagat  | aggcagcaga  | gttgtccgtt  | atcctggaat  | caaatcccat  | 1200 |
| ggaatggctg  | atcatggcag  | ccgtaagttc  | cgccaccagc  | tcctccttgg  | catatttcgg  | 1260 |
| gtcaccgaac  | cttccgcccc  | tctccctgtt  | cagacgtcc   | ggtgtcatgg  | tggagttagt  | 1320 |
| cattttcatgc | agcatagtag  | aataatactc  | cattccgccca | cggtaggttt  | cttccggaga  | 1380 |
| atcaccgata  | ttgaactgcg  | ccttcatggg  | cagcaccaca  | atataccttcg | agggagaata  | 1440 |
| ataggcaccg  | ttctcacgct  | tgtcggcacg  | tatcgggcat  | agccactgct  | gcgtctccac  | 1500 |
| catacggtcg  | agtgcggcat  | gggtgtacat  | accttccgta  | tccctaagtt  | ccggaacctt  | 1560 |
| gaacctgtcc  | ataagcttct  | gcatcctctc  | cggctgcact  | tcggccaagt  | tggctctgtgc | 1620 |
| cacattgtac  | accgggaaag  | acttgatgaa  | aggaaataaca | tccatattct  | tcttctcttc  | 1680 |
| cttactcatt  | gtacggatatt | cctccgtgct  | tatcctcttg  | ccgtgactgt  | cctttatcat  | 1740 |
| catatcccag  | tacaccaccg  | ggaaagcctt  | ttcacccttc  | aggacatgag  | ccttcagggtt | 1800 |
| atgcgcctgc  | ttgaagggtca | gatataccgg  | aagctggtag  | ttcatggctg  | cagtatgcat  | 1860 |
| ctgaaggaag  | aaggaattgg  | aaccggaata  | gttgcggcca  | cccacattct  | gcggaagtcc  | 1920 |
| ggcataaacc  | gatgcaccgc  | caatccatcc  | ctgtttccat  | ccggtatcct  | tcatctgctg  | 1980 |
| catacgtctca | atcatcattg  | cagcgaagcg  | gtctatggcc  | gcctgtccgc  | tgtttccctg  | 2040 |
| agagtcagtt  | ccagatgcca  | tagctgtcgt  | catccattac  | ctgacgggtc  | atctgtctga  | 2100 |
| tgtccgtctg  | ttccacatag  | aactcagccg  | attcatccga  | agggtcagta  | ccgtgtgaac  | 2160 |
| ggcaccactc  | cagataatca  | tctgcattcc  | cactgtccat  | aacaaagcgg  | aggaaacctt  | 2220 |
| tcttgccctc  | ctgcagaagc  | tccacaagct  | cctcatgatt  | catttttagct | gacatataac  | 2280 |
| ttgtatttta  | gttttctgat  | tatgtttacat | ttttatagaa  | gccgatttct  | ccacctttgc  | 2340 |
| ggtgttggcg  | gcaagcatat  | cggttatttc  | cgtattcagg  | tacttggccg  | caatctgttc  | 2400 |
| ccttgtggcc  | gtcttgggtc  | tgaaaagcga  | atagccgtca  | tcgaaggaga  | tttcatgccg  | 2460 |
| ggaagtctgt  | cccttttctc  | cgaggtcaac  | cgacaccttc  | catttgttgt  | cgttccctgtc | 2520 |
| cttggccaca  | cgcacaccct  | tggggtcaac  | accttcagga  | agctgatact  | tctcgtatgc  | 2580 |

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|            |             |             |             |             |             |      |
|------------|-------------|-------------|-------------|-------------|-------------|------|
| ggatttcaga | tgcagacggt  | ccccgaagtt  | cttctcaata  | agctgggttg  | gagtggccac  | 2640 |
| cctgtcgaag | taggcattca  | ggtcctggcg  | tgaagccacg  | gcagacatgt  | tcgtatcccc  | 2700 |
| aacctgaaca | tagaacttgt  | atttcccaaa  | gtcaggacgc  | tgctcgtcct  | tctccttata  | 2760 |
| gacattgaac | ttgttaacgg  | ttatggaacc  | gtccggctct  | gcaatctcca  | ttggcatacg  | 2820 |
| gaaggcttcc | tcagaaacct  | tcggcatcag  | ctttgtcgga  | tagtagcggt  | ccatcagctg  | 2880 |
| cggtagcggt | atttccttgt  | tctgataggc  | tgcaagggtct | gctgcatcca  | tcttctgcgg  | 2940 |
| cttgagctgc | tgtccgtcaa  | tctttgcggt  | aaagtaccat  | tcggcaggat  | tgggtgttact | 3000 |
| ctggtaggca | tggccgtgag  | taaccttctc  | accattggca  | gtcaccatct  | gaggctcacg  | 3060 |
| tggcttgctg | tcctgtgctg  | tttccgcttt  | ctgctcttcc  | ttattttcgg  | cctttacctg  | 3120 |
| agtatcagcc | tttacttcat  | ctttagtagc  | ggcatcaccc  | ctggagtcct  | tttcccttgc  | 3180 |
| aggttttacg | tcaacagtgt  | tctccactgt  | cctgtcagga  | gcttcctgca  | caccctgttt  | 3240 |
| ctgttccttt | ttcttctttc  | ccatatctgt  | actgttttga  | atgggttctgt | cattgttctc  | 3300 |
| agccttgctc | tgtccggcct  | tcttcttcaa  | ggtactgtcc  | agaaaatcgc  | atattgctac  | 3360 |
| cctcacgcct | gaacgtataa  | gcctgggcag  | ataagtgtcc  | aaagccgatt  | gggggaatga  | 3420 |
| tgtgaccttt | accggccggt  | tgtagtcagg  | cagaatcctg  | tctgcaatat  | tgattccaag  | 3480 |
| cagtactgca | gcctttacgg  | catcctgcct  | gtacagttca  | tagaaactgt  | tccgtctgaa  | 3540 |
| cagcagcagt | gcatccggat  | gcttcttctt  | cagttcgttg  | aactgccgga  | ttataccggt  | 3600 |
| accattttct | gaatctttct  | ttctggccat  | atgaatcagt  | tttagagttt  | aaggctgttt  | 3660 |
| gcttttgttt | ccttccggga  | tggagagagt  | gaaatggcac  | gctcaacgga  | ttgcttgctc  | 3720 |
| accaccttct | ggattccca   | tcggttccct  | tcagtcatga  | caaggccgag  | atattcagga  | 3780 |
| tgaagttcgt | catagcggat  | tttctgctgc  | ctttcccatt  | ccttcatgtc  | gcccttgata  | 3840 |
| agcttgaatc | cctgttgctc  | cttcagggtca | atgccgaccg  | aaaccttctc  | accgccca    | 3900 |
| ttcagctcaa | caggttttcc  | ctcacgtatc  | tgctgcttct  | gctgcatacc  | cagttcgata  | 3960 |
| tcgttcacct | tctccatatc  | cttcagacgc  | tgctccagct  | ttatgtctgt  | tacacgtctg  | 4020 |
| tggatgacgg | atttcgtctc  | cggatcaagc  | tggagatact  | gctgagtcct  | ttcaccgttt  | 4080 |
| acgttgaccg | ccttctgtat  | tacctcacct  | ttggccaaac  | gttcagcctc  | ctggtagctc  | 4140 |
| agattgagaa | tcttggttgcg | ttccctgtcc  | agctccgcac  | gtaccggata  | ggcaatcaat  | 4200 |
| gctggagcac | cgtttctgtc  | tgtagtcaac  | tggagtttca  | tcggcatggg  | gatgacactg  | 4260 |
| ccgttccttg | cgttgatgga  | tacctgcatg  | atgggagtca  | cttcacctgc  | catcagcttc  | 4320 |
| tccttcaact | ccatgggttaa | gttgtccgcc  | ttttcacggt  | ctatacccag  | tattgccagt  | 4380 |
| ttctcatatg | gcaacaaatc  | ggactgattt  | ctgttgtgca  | tttccatatt  | actgtaatta  | 4440 |
| agctgttata | tttgcggtta  | taaccacctg  | aataccacaa  | atgtattcat  | ggtaattccc  | 4500 |
| tgaaaaagaa | atgcgcaaca  | ctattctgat  | ttctctgcta  | ctgatgattc  | tgccggtaag  | 4560 |
| cgtatcggca | cagtctata   | cgataaccag  | ggaatcggaa  | cttctgccag  | cagtaagaca  | 4620 |
| aaaagaggcc | tataactatg  | ctggaaagga  | tgttacagaa  | gggaaaaaga  | ataagataat  | 4680 |
| ggcaaaggat | accctgactg  | tcagatcaaa  | caatcataat  | gaatcagaag  | aaaacagccg  | 4740 |
| gaatagtac  | aggaaagcat  | ccctgaaaac  | agaacagcaa  | aagaaaacag  | atgacactat  | 4800 |
| aaaagcagaa | aatcatcttc  | ctgaacttac  | catcccaaac  | ctttataaag  | aaatcataag  | 4860 |
| aaacggaatc | ctgtacccca  | aaattgtatt  | ggctcaggcc  | attctagaga  | caggatgggt  | 4920 |
| tcgttcacat | gtatgcttaa  | acaaacacaa  | tcttttcgga  | ctaaccaatc  | cacgtacagg  | 4980 |
| gaaatactat | gaattcaatc  | attggacgga  | aagtgtcaga  | gcctattaca  | ctaaagtgca  | 5040 |
| atataagtac | aaaggtggaa  | actatttgct  | ttggcttgat  | aagattgggt  | atgcagaaga  | 5100 |
| tccgaattat | ataatggcga  | ttataagtat  | attggatatg  | tcattataat  | aattgtccct  | 5160 |
| taaatatatt | attatcataa  | aaaatcagta  | tattatactt  | attgttcaac  | ttaaatttca  | 5220 |
| atagtcaaac | atttctttga  | gttcatatct  | taaaatcggt  | atatttgctg  | tcaaaacaga  | 5280 |
| taaatatagt | tttatggaag  | atttaaatag  | attaaaacta  | gttttggttg  | agaagaaaaa  | 5340 |
| aacgaacaag | tggctttctg  | aagaattagg  | tgtaataaca  | acaactgttt  | ctaagtgggtg | 5400 |
| tacaaatata | tctcagccgg  | atttgtatac  | acttaaaaag  | atttctttga  | aattaggtgt  | 5460 |

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|             |            |             |             |             |             |      |
|-------------|------------|-------------|-------------|-------------|-------------|------|
| aaatattaag  | gatttattat | gcgatacttt  | ataaaaatat  | tattaaagca  | ctaaaaagca  | 5520 |
| tatggcaaat  | tttataacat | gttatgataa  | agattttacaa | gatttggcag  | atTTTTTaaa  | 5580 |
| aatacttgta  | tcagcaaagt | actcaattaa  | taatcttgat  | tttagtttag  | tccaatttaa  | 5640 |
| gaatcaagat  | attgtatcta | aagaatatgt  | tctatactta  | ggagaaaaaa  | gtgttcatag  | 5700 |
| gaaatcacaa  | atgtttaatg | atattttacaa | taaatatggg  | attcatatag  | gatattatgg  | 5760 |
| gaaaaatgca  | tggctgtatt | gtgaggactt  | tgattggacg  | gaaaaatcat  | atTTTaaattt | 5820 |
| taaaatagac  | cttataacta | ttttaagaga  | tttaaattta  | gattatagaa  | aaatagatgc  | 5880 |
| taatatagaa  | aagggcgtag | aattttttatc | tgctgatttg  | aatgatccag  | gttghtaagg  | 5940 |
| tctttgggaa  | accgctgtta | atgattgtag  | aaaatttgaa  | gaagaggatg  | ataaatcacg  | 6000 |
| tgttattatc  | ccatttctga | aattttgatga | agttgaatgt  | tttcaaaatt  | gtatatctga  | 6060 |
| attcatcgat  | caatacttcg | gtaaaattttt | accgataaat  | taaaatttaa  | catagaatcg  | 6120 |
| gcataatccg  | gttcaaaatt | atattcaaga  | gatcattgaa  | atactgtcaa  | gaataaatcg  | 6180 |
| tcaaggagta  | agaaaaggga | tgaaaaagat  | atgctaaaca  | gctgaaaatc  | aacagaaaaa  | 6240 |
| gtatttcata  | attcactgat | ttttagtaaa  | ttagaagtac  | ttcaccactt  | tttaattatga | 6300 |
| ctaaagaatc  | actccttatg | caataccaat  | ccgagtgcag  | aaacgctctc  | gaatcagctg  | 6360 |
| taaatataag  | caaactcttt | cagaaagtat  | tcatggatgc  | aatgaaatta  | ttcatggcta  | 6420 |
| tacctgaccg  | catcaatttc | ctacaaatgg  | gacggtatgg  | atgtttctcg  | gaacagacat  | 6480 |
| accgcaacaa  | ttttgagaac | gacggctttg  | actggttttc  | cttcaatgaa  | gccatcatca  | 6540 |
| gggaacacct  | taaagggtgg | cgcaaggcga  | tagccgttga  | tccgtctttc  | attccaaaat  | 6600 |
| caggcagcaa  | aacgccgtgg | attggctatt  | tctggtccgg  | ttgtgccggg  | gaatacaaac  | 6660 |
| gtggactgga  | aataaccggt | attggagtta  | tagacgttga  | caaccatgaa  | tgtatgactt  | 6720 |
| tgggctctgt  | acagacacct | gacaacgcaa  | cgctggaaag  | ctgtgagaag  | aatcttggtg  | 6780 |
| actggtacag  | ctcttacctt | atcagcatac  | aggaacagct  | gaaacgtatt  | tctggcacag  | 6840 |
| tcgtgtgtga  | tgcgttcttt | tcaaaggcaa  | ctttcatcaa  | accattgtac  | gataacgggt  | 6900 |
| tccacgtaat  | aagccgtttc | aggaatgatg  | ccgtattgtt  | ttatcccacc  | ttagaaaata  | 6960 |
| ggacaggaaa  | acgcggacgt | ccaaaattac  | atgacgagaa  | aattgacttt  | gaaaatctgg  | 7020 |
| acatcacaa   | atgtaccgag | tacaaagtga  | acaagggtaa  | actttacgga  | ctgaaagcat  | 7080 |
| actccaaagc  | actcaaacgc | tttgtgagcc  | tggtctgtatg | gtaccccatg  | gatggaagaa  | 7140 |
| cggacaaatg  | gcagctgtat | ttctctacaa  | acgaaataca  | gaacgcacag  | gatgtcctgg  | 7200 |
| acttttacag  | aacacgtttc | caactcgaat  | tctgctttcg  | ggatgccaa   | caacatgccg  | 7260 |
| gaatagcaaa  | ctgtcagtct | acagacttca  | ggaaactggc  | attccacttt  | aatgcatcac  | 7320 |
| ttgcagcgat  | aaacctcgcc | aaggctgcct  | gtaagaagat  | gggaataaaa  | tattccatat  | 7380 |
| catcatgcaa  | gtcagtcata | cacaatgctt  | acatgcttga  | acgatttatt  | tgcgtgtctg  | 7440 |
| ggattgaacc  | aaacacgcaa | ttaattgaca  | aacttttcaa  | agaactcatt  | ttattttactg | 7500 |
| ccagagccgc  | ttaggctggg | ctaattttta  | acgaactatt  | gtatgatacc  | aaaaaaactt  | 7560 |
| atctaattgt  | atTTTTTtcc | cttttgtttg  | ggaggggtgt  | tagtaattta  | tatatTTTgcg | 7620 |
| ttttagtaaaa | ttaatagcaa | gatgtgtttt  | tgtgtccaca  | aaaaccaa    | cttgcctgat  | 7680 |
| aaatcaggag  | tttagccccc | tcgcaacttg  | ggggcatata  | ttattttagta | tcatagtatg  | 7740 |
| aaagcaaata  | aaagagatag | aatagtga    | gttcgcttaa  | cgaatttaga  | atatgaagaa  | 7800 |
| ctaactaaag  | cttctaaatc | tagcaa      | atgtcagatt  | atTTTtagaca | gagagtcttt  | 7860 |
| aggaaaggag  | ttggtcttat | tgaccctaaa  | gaattttattc | gttcgatgga  | tgaaatttgt  | 7920 |
| ttggaaatga  | aacgtatagg | aaataatata  | aatcagttgg  | ctaggtatgt  | aaatattcat  | 7980 |
| aaggaagaag  | ttaatcaaga | ggttctta    | gaggtagaaa  | agaaaatggc  | agactatgta  | 8040 |
| attatgcaag  | ataaattgaa | tgttacttgg  | cgtaagttga  | tgtcaatcaa  | ataatatatg  | 8100 |
| tatatataat  | attgatatat | ataatttttag | tgataaagac  | agcgttacta  | tttcttttcc  | 8160 |
| ctaaagtctt  | ttgtgtcggt | tctctctata  | cttgaataca  | ggaaaacggc  | tgcatacata  | 8220 |
| aagaaaagac  | accgacacca | ttcaagaact  | accgcccac   | ggcaaaaagga | ttgcatctaa  | 8280 |
| ttgatacctt  | ttctgcctgc | actggagaga  | aaccgggaag  | gtattttgata | ccgtactttt  | 8340 |

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|             |            |            |            |             |             |       |
|-------------|------------|------------|------------|-------------|-------------|-------|
| ccgggttctg  | cccggcatgg | acgataagag | aacattatta | tgataccaaa  | aaacttttagg | 8400  |
| gaaaaatatt  | atatatataa | ataatatatg | aatatataat | atttgatat   | ttatttatatg | 8460  |
| aataaattat  | attgaaatat | tcttttattg | aatatttggt | tgtatatttg  | cgggtgtgaag | 8520  |
| ttataaatat  | ggtagtagta | gttttaaaag | cggcaacttc | tttcgctggg  | attgattata  | 8580  |
| atgagcgaag  | gaatgaggaa | ggcaagagtg | aacttcttgt | tgcaaaaaat  | tttgctatga  | 8640  |
| atccagataa  | tttgaagaag | tcggattata | tagcttatat | ggaatctgtc  | tgtaggacta  | 8700  |
| atccagcggg  | caaggcaaaa | caatttcatg | cagtgatttc | atgtaagggg  | cgtgaatatt  | 8760  |
| cggcagagga  | tttgaaaaat | gtagctttgc | aatatataaa | taaaatgggt  | tatggaaata  | 8820  |
| atccttatat  | gatataat   | cattctgata | cagaaaaata | tcattgtacat | attgttttcta | 8880  |
| cacgagtaca  | gaagaacgga | cagaaggtaa | aagataatat | ggaagctgtg  | cgctcacaga  | 8940  |
| aagtcataaa  | tcaaataatg | aatgttgatt | tagctttgaa | ggctaaagat  | gacatttcaa  | 9000  |
| aatacatgga  | gttttctttt | tctacagtg  | agcaatataa | gttggtactt  | gaacaatcag  | 9060  |
| gatggaaatt  | aagagaaaag | gatggattat | taattttgta | taaggggtgg  | gaaaagcacg  | 9120  |
| cttcaattca  | attagagcag | ataaaagata | aagctaaaca | atatacacct  | gatgaagaaa  | 9180  |
| gaagaaaaca  | gataacagct | cttttattta | aatataagca | aggactttcc  | tatacagaac  | 9240  |
| ttcaaaacttt | gatgaaagat | aagtttggtg | taaatttagt | ctttcatata  | ggaaaaggac  | 9300  |
| atactaaacc  | ttatggatat | acattaattg | attatagaaa | taagagagtt  | ttgaaagggtg | 9360  |
| gggaagttat  | ggatttgaag | gaacttttag | tagagcctaa | taaacaagca  | aaagttgaac  | 9420  |
| actgtaatat  | tataattaat | cttcttttga | aagatggaac | aaaatatata  | atggatagtt  | 9480  |
| tcaagaaatt  | aatgttagat | tacggttata | ggttttcaat | gaatggcata  | atatttataa  | 9540  |
| atggtgatga  | taaggcttta | ttggttcttg | ataaaaaact | gttgaaagaa  | cttagatata  | 9600  |
| atagcagagt  | gtatgaagca | aataaaat   | atgttgctac | acttaaagaa  | gccgagttgt  | 9660  |
| taagtagaat  | ttatcatgtg | aaaaaagatg | atattttgat | tcaagagcat  | atggataaaa  | 9720  |
| aaaatactgt  | ctattctgat | atgataaata | gttattttgg | tcattagttca | gattttacatt | 9780  |
| ctacattaag  | agaaaaagga | attctttttg | ttgaagatga | taattttagtt | tatctaataag | 9840  |
| ataaaaaagaa | taaagtaatc | gtaagtactg | atgatttagg | aatcaatatt  | ataaaaagatg | 9900  |
| gctatagtaa  | agataggatt | actctagtta | ctcttgataa | gatggaaaga  | ataaatgttg  | 9960  |
| aacaagattc  | agaactggca | aggggattta | atctgattga | tgctattttgt | gatatttcta  | 10020 |
| gccagcatat  | aaatgtacag | caagataaat | ctcctaatag | gaaaaagaaa  | agaggacagc  | 10080 |
| aacaaaatta  | ataaatataa | taagatatga | taatattatt | tgggaatcag  | aaaggcgggt  | 10140 |
| gtggtaaaac  | gactaattgc | atacaatttg | ccaactatct | agtagaaaaa  | ggaaaagaag  | 10200 |
| ttctagtatt  | ggatttagat | tttcagcggt | cattatcgga | tagaagaaaa  | gaagatattg  | 10260 |
| cgacctatga  | taatgaacct | aaatatgagg | ttatacaaac | cgatatatct  | aatgttgcta  | 10320 |
| aaattattag  | tgattttact | aagggtgagc | aaggaaatct | attaatagat  | ttgcctggta  | 10380 |
| agattgatga  | tgatgctctg | ggaactattc | ttaaagctgc | ggatataata  | atatgcccat  | 10440 |
| ttaaatacga  | taaatttaca | atggatagta | caggtttttt | tatccaagtg  | ttacagtatt  | 10500 |
| taaatgtaaa  | agccaaaata | ttctttttac | ctaacaatat | gagaactgcg  | gtaagatatg  | 10560 |
| aaacaaaaga  | acaggtagtt | gatattctta | agcaagttgg | ttttgttaca  | gatgaaatac  | 10620 |
| cagcttctgt  | tgctatggaa | cgtataaata | cattagcaat | tagtaatgag  | tgtattgata  | 10680 |
| aggtagaaga  | tgcttatgat | tatatcattc | aagaaggagc | aataaaaata  | aatattcttt  | 10740 |
| taatatagat  | ttgttataaa | gttattcatt | tattgtatat | atttgcacat  | ggctgataaa  | 10800 |
| ttaaggaaaa  | agcaaaatga | aggtatttct | agtgttctgg | aaatagctaa  | aatgataaga  | 10860 |
| ggtgaagaat  | tgcatgggag | tagtataaat | gaagctccta | ttcaagaagc  | taaatatgaa  | 10920 |
| gttgaagagg  | agaaagaacc | acttcatgta | gaaatggaaa | caacttcttc  | ggaagttttt  | 10980 |
| aattttaatg  | gctctagtga | aatggatttg | acggacttat | tagagtacat  | taaaggaaaa  | 11040 |
| aattataatt  | gcaaggaagt | tctatatgtt | gatacagatg | taaaagaggt  | gtttgggttg  | 11100 |
| ctcaaagcta  | aagccaaaat | acctatttca | tcttttagtt | cgtttttttt  | ggaagatttg  | 11160 |
| ttaactaaac  | accgtagcga | cataagttct | ttgattaagc | aaaaaaagaa  | ccgttttctt  | 11220 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| tagtacagaa  | aaagggtcgt  | tttgtgaaac  | aaaagatttt  | ggttaggcta  | gtttagaaaa  | 11280 |
| cactttttctt | ttttggtttt  | atgggtatcaa | ttctttgcgt  | cgggcttccg  | gcagcttttt  | 11340 |
| gtattttggt  | tcaaaaggtt  | gttctgcagg  | gtgtgccagg  | aatgataatt  | cggtatcatt  | 11400 |
| tcatcatgcc  | atgtttgccc  | atcagtgccg  | gaactccgaa  | aagtacggta  | tcacaaattc  | 11460 |
| tttaaagtaa  | tattgaaaat  | aaaagagagt  | attttgtact  | ctcttttatt  | ttattaaggc  | 11520 |
| tgtataaaat  | tgatggcttt  | ttgaagatta  | gcttctagct  | cttttttagc  | gtttgacata  | 11580 |
| gcacccatcat | agtttttttc  | tgattgtctt  | ataatttcta  | ttataacaga  | attataattg  | 11640 |
| gctttttgtg  | cttcatcttc  | ttctgtatta  | gaaatcagat  | aaaacttttc  | actaaatatt  | 11700 |
| aaatctataa  | aaacatagtt  | agaataaaaa  | ttcagcactt  | gaaataaaaag | ttttaggctg  | 11760 |
| cccccttttc  | ctagttcaag  | atttgaaatc  | gcattttgtt  | tacagtttag  | ctgttctgct  | 11820 |
| aattgagctt  | gggaatatcc  | tatatgctct  | cggatttgct  | ttaaccttgt  | gcctaaaatt  | 11880 |
| ggtaaatgtaa | tgttatacat  | attgttctat  | tactgtttct  | acttcgctcg  | atattctctt  | 11940 |
| aaagtttttt  | tgtagtaatt  | tctctctatt  | atctgctgtc  | ccaaagtatt  | atacttttgg  | 12000 |
| cagttctttg  | taggcttctt  | cttctttctt  | aatttttttt  | aaatctaaat  | tggttttgca  | 12060 |
| atggtacatc  | gctgttgtaa  | aattatcttc  | ttgtccaaaa  | tctaatacaa  | cttgccctac  | 12120 |
| taatgtacca  | gcttgtaatt  | aagatatatt  | ggatgccggg  | ataacaaaaat | ccatttgttc  | 12180 |
| attcatatta  | attgttgttt  | cgtttcttct  | gatagtaacg  | ccttctttta  | cttgcttaac  | 12240 |
| ttttccaaat  | agtttttgta  | gccaatctaa  | agtttcagga  | gcttttagctt | gcccgataa   | 12300 |
| agtgttacct  | ataatagaag  | ttatagtttt  | tgcggtagct  | ttgccgtatt  | gttcttctaa  | 12360 |
| ttgcggtagt  | tcctgtaatc  | ccaaacaaat  | tgaacctta   | ttgctacgtg  | cagtagaaag  | 12420 |
| tagtgttgca  | agttgataaa  | aatataatgt  | gggacattca  | tctactatga  | ttgaagtagg  | 12480 |
| gtagttacct  | tttgatttga  | caagtctagt  | taatcggtta  | atgataagtg  | catttaaagc  | 12540 |
| actattcatg  | ctttgtgttt  | tagggttatt  | tgcaatgata  | agataactag  | ggcttttttt  | 12600 |
| atctgatact  | tttaaattga  | aatcattgcc  | actaaatacc  | caaaaagatt  | cttttagttgc | 12660 |
| tagtcttgat  | aactgtactt  | ttagacttgc  | catctgtcct  | tctaattggg  | ccactgctcc  | 12720 |
| tgatttatat  | gcagcttcaa  | atggggaaac  | tagtgatttt  | aattcagggt  | cggaaaagag  | 12780 |
| gacttttaaaa | agtacgtcat  | attcttgatt  | aaggaaagcc  | agtacatgcg  | gtaaatctga  | 12840 |
| atatttgcca  | ttctcgtatc  | tagaccaaaa  | ataaatagaa  | gctgctaaca  | agtttactgc  | 12900 |
| tgatgtttta  | aaaaaatcgc  | tattacctcc  | acttcctttg  | tcgccttttt  | gtaaactctc  | 12960 |
| atataatgct  | tctgccgttt  | ctgttgcatc  | tgctaggatt  | tctatatatt  | ctcgtttcaa  | 13020 |
| tgggtttatt  | cttctactat  | attcaatatc  | agaaaaatta  | atgacattga  | acttgaaatt  | 13080 |
| acttgggtatt | tttcctaatt  | gtttgttctt  | ttgataatta  | taatattgaa  | ttttggcaag  | 13140 |
| ttcaggaaaat | ttgaagtcgt  | aaacaacttc  | tgcaaatcct  | ttagctgaat  | gttgtcttat  | 13200 |
| aaaagaattt  | ataacagaaa  | aagattttacc | acttcaggcc  | gttcttatta  | cgaaagttcc  | 13260 |
| acgaaaacag  | ttgcatatat  | tcagccacc   | attatgccac  | tttctattgt  | agaaaaactt  | 13320 |
| catcggaata  | ttgacagaga  | attctgtttc  | taccttgtct  | ttagattgtt  | caaagctttc  | 13380 |
| attctctata  | ttaaattctat | ctttcataaa  | gtttgattta  | atacgttttg  | aaatgttatc  | 13440 |
| tagagctgaa  | tttattaatg  | tcgctccaat  | tattgatagt  | ataatgtaag  | ctatattata  | 13500 |
| ccattctaaa  | ctagtttctc  | ctttttcttt  | aaagaaaaga  | aagcatatac  | ttccaaagaa  | 13560 |
| cattatgaat  | ccgaagatta  | aaggaaaaat  | gatttgttta  | gtcgggtcta  | attctaaatc  | 13620 |
| cttttttgaa  | cgtgttccaa  | tgcaagtaac  | cattataata  | aagaatgtaa  | atagtttact  | 13680 |
| ataaagaata  | ttagaataga  | taggaatttt  | tgccattttt  | gataataagg  | gcataatttg  | 13740 |
| ttcactaaag  | ggaaaatgaa  | caaatagtag  | aatctctatg  | caaacagtta  | tataaatgaa  | 13800 |
| tgcttgcatg  | aatccatata  | gtttttgtaa  | ttctttgctt  | tcttccatga  | tttaatcggg  | 13860 |
| tatttttaact | ttttcaggtt  | cctcacattg  | aaaagccttg  | aaatcttcta  | tagctaattt  | 13920 |
| caagtcttct  | aaaaaattgc  | tattgcaacc  | tttttctact  | gctatctggg  | aatatgcttc  | 13980 |
| cattgcttgg  | acggaacaaa  | tatctgttcc  | gcataattaca | aaagctggaa  | tgtcttctaa  | 14040 |
| taggcacttg  | tgaataaatc  | ttttttggtc  | tttcattttta | ttaattcaaa  | tgaaaatacc  | 14100 |



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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| actcttttat  | gcagtgagag  | tggtattggt  | ttttatTTTT  | tggtatcata  | ataatgttct  | 14160 |
| cttatcgccc  | atgccgggca  | gaacccggaa  | aagtacggta  | tcaaatacct  | tctcggtttc  | 14220 |
| tctccagtg   | aggcagaaaa  | ggtatcaatt  | ctactggtaa  | ttttcttgct  | cgaatatatg  | 14280 |
| ttgaaccatt  | gcataatTTT  | caccactgtt  | agacttatgc  | agcttatcat  | caataaaaaat | 14340 |
| ttttacttcg  | actgtccttag | gtagctgtaa  | atTTTcaagg  | ttttcttcat  | ctttagggtat | 14400 |
| agggtaggca  | gatagccata  | aatatgttcc  | ttgTTTggct  | tcttgctcaa  | atgtgaatgg  | 14460 |
| actttctaca  | ataatTTTct  | tggcagcttc  | ttcgggagct  | tcggaagaaa  | tatctactcc  | 14520 |
| tactgtataa  | tgtattagaa  | gTTTgaaatt  | ttctgggtcg  | cttacggtag  | cttcataacg  | 14580 |
| tactTTTcct  | gtatctcctg  | taggtggagt  | attagggtcg  | ttgttatcgt  | ctttattgca  | 14640 |
| tccagacaac  | ataaggctta  | aaccaatcat  | tactaatgat  | aaatactTTT  | tcatattggt  | 14700 |
| tctTTTtaaat | agttgataat  | tcaatgtgta  | tcgttccatt  | tgcagcatta  | tatgctactt  | 14760 |
| cctcaatatt  | ggtgaaccgt  | cttattgatt  | ctttccattc  | ttctgTTTgt  | ggattgtggt  | 14820 |
| aatattcttc  | ttctaataga  | cttatcaaat  | tatttatttg  | tttgctcagat | agataaatct  | 14880 |
| tttctccaac  | ccttggaact  | acaggtaat   | ggattggtat  | agaaatattg  | ttcacaccat  | 14940 |
| ctataggaat  | atggatgttt  | atTTTctatca | tagccatttc  | atgTTTtagta | tattTTTgga  | 15000 |
| cggcttaaat  | ttaacaactt  | cctTTTctg   | aaacttctaca | ggttctccag  | ttgccggatt  | 15060 |
| tctagctatc  | cgagctggct  | gaataatctt  | tttgaaagta  | ccaaaatctt  | ttatagaaac  | 15120 |
| atctTTTTct  | cttagatTTT  | gagataattc  | tttgaaaaaa  | ctatcaatta  | tttctgctac  | 15180 |
| ttctTTTggt  | ggtttatttg  | cctTTTcagc  | aaccattTTg  | attaaatcag  | tcttattcat  | 15240 |
| ttgcatatca  | ataaatTTTt  | attacttaaa  | tcacttaaac  | aaatttcagg  | aataatttgg  | 15300 |
| gtatagtctt  | ctgtatctgg  | tctataatgt  | attgattcaa  | ctatattgac  | ctcacagata  | 15360 |
| acatcatata  | cccatgcttt  | aaaatttctt  | tctaaatcat  | cctcaccatc  | attgaattta  | 15420 |
| ttaaaatcac  | tttttagcttc | atctgttaga  | tatttctaata | aatttttgata | ggtaaattca  | 15480 |
| ttctgaaaca  | ttataatgtg  | aggtgaaatt  | tcttcgccta  | tccttggaag  | atgcggaaaa  | 15540 |
| ttccaatcac  | cctttacctt  | cattcctctc  | tctTTTaaaa  | aatggctata  | aattataaat  | 15600 |
| tctattttca  | tatttagtttt | atTTTaaaa   | catcgttcag  | tacaagcttt  | ctttccatcg  | 15660 |
| ggtgcccgtt  | tttatcatga  | aatccagtta  | acacaggtgt  | ttctTTTTtc  | tcgcaaagtt  | 15720 |
| ctattgcttc  | ttcgggagtt  | atagaacgtc  | ctgacatttc  | acgccaaatg  | acaaaatcac  | 15780 |
| atTTTaatct  | gacatttcta  | tagttggaac  | aattataggc  | ttttttgTTT  | atatataagt  | 15840 |
| ttcctccaca  | cttaggacac  | ttacacaatg  | tattgtcaaa  | agaaatatct  | aagttctctg  | 15900 |
| ttagaaccag  | ccgtgaagaa  | aaatcatttc  | cttctcttga  | tttaaattcca | gtcataaacg  | 15960 |
| gtgTTTTttt  | tcctctggca  | agtatttctg  | ctgcttccaa  | tggtatttct  | ctttgtgcaa  | 16020 |
| tagttttggg  | tatatagagg  | ttacaaactc  | tgTTTgtgct  | cttgctcttt  | tgtgaatacc  | 16080 |
| ctttacaagc  | atatccattt  | agtaaaattt  | caatttctct  | accacacaca  | ggacacggag  | 16140 |
| tttctaatac  | ttcatttacg  | aaagaaggaa  | taacgattcc  | atTTTtcgata | gtcagatatg  | 16200 |
| cagaaaaagg  | aactcctttt  | ttattatgga  | agtcatgaaa  | tatatctggt  | ttccctgttg  | 16260 |
| ttattaattg  | cctggctatt  | tcttctgtaa  | tctctTTTtc  | ccaatatgaa  | tgataaatat  | 16320 |
| taaattgtaca | tttgtcattc  | atgTTTTtga  | agtaattaca  | ggaatatcct  | aaactgcctt  | 16380 |
| tcattatgtg  | tcctttctgg  | caaatagggc  | ataagcctaa  | atctttgatt  | gtatcattat  | 16440 |
| ccatttaata  | tcctccttta  | ctaattccatt | taataccgtt  | taaaatatata | tctactTTTT  | 16500 |
| gtttcccaact | atTTTcatat  | ttaaattgtc  | cgggtacaag  | tgTTTTtagt  | actccagccc  | 16560 |
| tttttagcgga | tttcatttgt  | cggcatacag  | cgtatgcaag  | tcctcgcat   | cgtctaagtt  | 16620 |
| cattgaccac  | atgaatacat  | aaatctatcc  | tttgcttatt  | atccataaga  | tttttttcac  | 16680 |
| cgccttgcaa  | tgctatatgt  | tttatgtata  | tcattaaatc  | tacacttcga  | ctgataagct  | 16740 |
| catactctgt  | ttttgcaatt  | atggTTtaata | atTTtaggtc  | tccaactgca  | tatttagctg  | 16800 |
| cttcggattg  | gtatttagct  | atgtctctag  | ctaaggTTga  | agcataaata  | atatctTTTc  | 16860 |
| cattTTTcac  | aactgcatta  | actgtagaaa  | gatagTTgta  | tgtcttctcc  | tgtgaaggatt | 16920 |
| gaatttgatt  | cattTTTTgt  | tggattaaaa  | tttgaaagtt  | gcggattttt  | gtttcctcac  | 16980 |

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|            |            |            |             |             |             |       |
|------------|------------|------------|-------------|-------------|-------------|-------|
| tttgtatgtc | tttcaataca | ccttggtgct | cctgatggga  | ataaaccaat  | gttccaatca  | 17040 |
| ttaccgggtc | aatgacaata | gattgtgcta | gtccttttat  | gttgccctaac | agtaacatta  | 17100 |
| gggaaaaaaa | taaaagcact | cttttcatat | cattatctgt  | ttgtaaattc  | atatattcct  | 17160 |
| tttttctttt | tttggtcttc | tactctatct | ctgatgggtt  | gaattatata  | actattagct  | 17220 |
| ttaagaccat | tcatcagtag | ttctgggtgt | gatttatcgc  | cagaataaat  | gtagatattg  | 17280 |
| gtgttgttta | ttaaagactg | gataaaactt | tgcttttctt  | cataatcata  | taccgatat   | 17340 |
| aattctatgt | agttaatcct | ttttgaaagc | actccttgat  | atatttttat  | ttgctctcta  | 17400 |
| gttataatcc | attttgtaca | aagtaacatt | gaaatatata  | tgtagaaaat  | tataaatata  | 17460 |
| aacaatacta | atatcgttcc | actgataaat | tttaataaatt | catgttctct  | tatatattta  | 17520 |
| ctaaaaatga | atacgaaaat | cgctaattgt | attaaaagga  | aattcttcat  | taaccaatat  | 17580 |
| cggaatttag | gctttaatat | aatatcatca | gaagctatgt  | ttgttccatc  | attcataact  | 17640 |
| taatactttt | tttttgttca | tggtgtttca | ttagaatttc  | attgaaatct  | tttgcttttt  | 17700 |
| ctgctttatg | agaaatcata | ggagctatta | ttttgctttt  | ttccctaaaa  | ctttctagt   | 17760 |
| aaacgtcatt | tttgtaata  | gtgaattctc | tacccttagt  | tttaaacagc  | acatcatctt  | 17820 |
| tattttcttt | tattgtcatt | tctgtattac | taatgattcc  | agacacttta  | atgtcataca  | 17880 |
| aattaccgtt | taaatcatta | tcaaaacagg | tatgtacttt  | agcttgtggg  | tatcgcaata  | 17940 |
| aagtgttttt | tatttgatta | actgaaatgt | accctcctac  | actacaaaaa  | acactttctt  | 18000 |
| ctaatttgat | tttgtagca  | ttgagctgat | agaagctcat  | agcatctaaa  | gcggattctg  | 18060 |
| caaagtatat | atgttttgcc | atttgggggg | gtgggcaaaa  | atcagcaatc  | caaagcgagt  | 18120 |
| tacttttatc | acctccggca | gccattcctt | tgaatccata  | gtttcttaat  | tcgtaatttg  | 18180 |
| ttactttggt | gtctttatct | tttgatttaa | tatagggaaa  | acctatatta  | taataattgc  | 18240 |
| cgtttccttg | taagtcttta | acccttgtga | taaatggtag  | aaacttttct  | acgacttgat  | 18300 |
| gatttatatt | tctttcattt | gtgagaaatc | ttaaatcagc  | gagtgtagta  | ggaaattctt  | 18360 |
| tatatctatc | tctgtcaaaa | gatttgtttt | ctgcttttac  | aactttgaat  | gcttcatatt  | 18420 |
| taggactata | aggctcattt | gcgtaatgtc | ctaaaatcat  | attgattcgc  | acaaatgtat  | 18480 |
| tttgatgttg | gaattgtggg | aagtcgttaa | tatgattttt  | gatgaactga  | attaaatctc  | 18540 |
| cacctttata | attcctatca | tagtagtggt | cttgtacact  | atgaggattc  | ttgatgatga  | 18600 |
| tttcatccaa | cttgttacct | gctccgtctg | tcagtttaaa  | aacaggcgaa  | acctttcctt  | 18660 |
| tgctaattgc | ttgtttatat | cctaaatctt | caagtatttg  | aatgatggat  | atttttagcct | 18720 |
| tataatcgtc | aaatgttagc | ataatattat | agtttcattg  | ttggagtatc  | attatttttt  | 18780 |
| ccgtagggtc | taccatatcc | gagaatagat | gcttcttgct  | tcgctgttgc  | tttaatagaa  | 18840 |
| ctatctatct | tatccatttg | ggtagatatt | tgttctccga  | cagtttggtt  | agtagcttcc  | 18900 |
| ctagagctgg | aatatgtttt | ttctacttcc | ttgtaagaag  | cataatcttt  | agaaagttta  | 18960 |
| tgtttctcta | aaaaggcagc | catttcggtg | ggtttatctt  | taaaaatttc  | atcaatccct  | 19020 |
| ttagctcctt | tttgggctac | aaactcta   | ctttctttat  | cagatatata  | tctttctttc  | 19080 |
| cctattgttt | gttctttctt | ttcagtcgct | tttaatttcta | tagtatttgc  | atctttgatt  | 19140 |
| gataatccat | ttctggcatt | caaacttagt | tttacttttg  | cagctttgtt  | tagttcctcg  | 19200 |
| tttacaatgg | taatttcttt | tccatttttg | agattttctt  | gctgcatagg  | agtaagctct  | 19260 |
| attcctccaa | gtttttgggg | aatatgaatg | tcttttgctt  | ttattgatac  | tatctcatta  | 19320 |
| gtatctttgt | cacgttggtg | caatgttctt | tctccttttg  | aattagtctt  | tactacgaca  | 19380 |
| ttatcagctt | ttagggcttt | tatttcattc | ttagtaaagg  | ataaatcatt  | ttttatttct  | 19440 |
| tgctggttag | gaatgagcaa | gatagcaatc | ccagcgattg  | ggtaaactac  | tgtaatagct  | 19500 |
| gcgattgcta | gttttctagc | attgatacca | tcaattttga  | tgcgtttacc  | ttcttctttg  | 19560 |
| aaatcaattt | cgttgggttt | taatttagat | ttattttcag  | gtgtattctc  | ggctgttata  | 19620 |
| tatttaagag | ttgttgcttt | cccctcaaaa | tggtgttttc  | cattttctgt  | tttataagac  | 19680 |
| actttttcat | tgtctagaag | tggtctatta | ccgggagtat  | cttcaatgga  | aaaatttagc  | 19740 |
| atacctgttt | ttttccatt  | tttgatgttt | gcaatatctt  | cggggcttaa  | attttccggt  | 19800 |
| ttaactccta | cttcattaaa | cttggtccag | tctatatcaa  | catatgaacc  | tttaccatct  | 19860 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| aggggtttggt | tttgttcata  | agcatatcga  | taaaggctctt | ctcctttata  | tgcaatttta  | 19920 |
| ttttcaagggt | caatgactgt  | aaatccgtct  | ttatatcctt  | cattcttggt  | agtaccttgt  | 19980 |
| tttatatcat  | cccattttat  | aattgcaaca  | ttgtggtttt  | ctcgtaaata  | ttggctatat  | 20040 |
| tcttggaat   | tattgctagc  | ttgttcttta  | tcaaagaaac  | tgattattct  | ttcttttagat | 20100 |
| tgctctaata  | aagattctct  | attatctcct  | aaattgccaa  | gtttaagtgt  | attcagtgga  | 20160 |
| taagtatatg  | tttcattacc  | tttgaaaaag  | gtaatatcac  | cattccgata  | ttcttctgaa  | 20220 |
| tatccaagaa  | ttgctgctat  | tgctcggaat  | tgtccggcat  | tttcataact  | atattgcaaa  | 20280 |
| gcttcaaatt  | ttttcttttc  | ttccatttta  | taatttgaat  | ttatgttcta  | cttttagattg | 20340 |
| cgattcattt  | ccaagtgttg  | ttttttgtcc  | tttcatgtat  | tctatatatt  | cattttctgtt | 20400 |
| tttatcagta  | tgaatagttc  | ctataatttg  | tgggttatgc  | cggtcataag  | ctattttctg  | 20460 |
| tttctgctcg  | aagtctagga  | attttattcc  | tcttgatta   | tttaaactta  | atcttatggc  | 20520 |
| aatttttttct | ttgtcaacat  | tcaaaattaa  | ttccttacct  | gatttttagag | tttccttttg  | 20580 |
| ttgcttatcc  | agctcaacac  | cttttatgtt  | tgaaggattt  | gaaatacttt  | tgatttttgt  | 20640 |
| tttaagcaat  | tcgtttgttt  | cagggtctaa  | ttgtacgaga  | tatttttcat  | tgtaaatagt  | 20700 |
| ttttgttatt  | atctcgttat  | cttgaagtcg  | ttctaactcc  | tttggtttta  | ggtttatatc  | 20760 |
| attcattatt  | tctgggtctga | ctggatgaac  | tttaacgcca  | gcattgttgc  | tatctttcca  | 20820 |
| gtacaaaactt | atttttcctt  | tcatacttat  | ttcttctcca  | ttattatcgt  | gaaaagaaag  | 20880 |
| gtctagtaaa  | ctggttctct  | ttccagataa  | tagagctgtg  | atatttgcct  | tatccaaaga  | 20940 |
| ccatatctgt  | ttttttgata  | ttcctattag  | ttctaattct  | ttatatggaa  | tatcattttc  | 21000 |
| attaaaaata  | gcttgctttt  | tatccatgta  | atgtatat    | ttgccccaaa  | gtaataaaaa  | 21060 |
| tatcaatatg  | aagaataaat  | ttatcatgtt  | ttttacttat  | tcattgtttt  | tttcagttaa  | 21120 |
| tggctactgt  | cagtttaata  | cgggtattaca | gaaaaaggat  | attcctaaag  | cgggaacctgt | 21180 |
| attagcaacg  | acagaaaata  | aattgataga  | agaaaaagaa  | aaggctgttg  | tcgtcaatga  | 21240 |
| tgctttgact  | acagaacgac  | ttgcatactg  | gaagcaaaga  | aggtatttat  | ctttgcccac  | 21300 |
| tgattcaatg  | gtgataactt  | cccattatgg  | taaaagaaaa  | gaccatttta  | ctggaaaaat  | 21360 |
| agcaaatcat  | agagggatag  | accttaaagg  | caacaacgac  | tatgtttatt  | cgataatgcc  | 21420 |
| gggaatgggt  | gtaaaaacag  | gaaaaaataa  | agggttgggc  | aattatgtag  | aagtgcgtca  | 21480 |
| tgggtatttt  | acttctatct  | atgggcattt  | atacagtgtg  | cttgtaaatg  | cgaacaagc   | 21540 |
| tgttgaagct  | gggcaaccaa  | taggcattag  | tggaggtacc  | gggagcagca  | caggagaaca  | 21600 |
| cttacatttt  | caaatggaat  | acaaagataa  | aactatagac  | cctaagccaa  | ttcttgatta  | 21660 |
| tattaatgag  | gtaatcgaaa  | ccgttaaagg  | acaaatttca  | cagcaaatag  | ataatgagtt  | 21720 |
| aagacgcaaa  | taaatagaaa  | aagaggattg  | gaaaagccag  | tcctctcttt  | ttggaagaat  | 21780 |
| cagaagaaac  | ctttttttaa  | tcctttttct  | tgtctttgaa  | ctttttctag  | tgaagattga  | 21840 |
| agttgtaaca  | gagcttcttt  | cattcctttt  | ttactttcag  | gattcgttac  | ggattcaata  | 21900 |
| agctcttttc  | ctctttgaat  | gttagtgtaa  | agtatttctt  | tattcttcat  | ctgttttgaa  | 21960 |
| cgactttcat  | ctataaaaaat | agatggcata  | cttttgcaac  | tccattcacc  | atttactaga  | 22020 |
| ttgaaatctt  | taattctttc  | tttcgctaag  | taggtgtgga  | tagaaatctt  | atctacagcc  | 22080 |
| ttatcactgt  | ataattgatt  | tgcagatttc  | attagtccat  | ttacggcttt  | gttatgtgaa  | 22140 |
| tcaatatcgg  | ctaactgtcc  | ttgtccttta  | cttagtactt  | cttcttgata  | cctgttgtaa  | 22200 |
| agtcctagtt  | gggtaaactc  | cttgggggct  | gcaataatat  | atgcttcaac  | tctaaatcct  | 22260 |
| gcacttttaa  | atttttgtgc  | tgtcttttaa  | ggcacatctg  | gatttctcat  | agttccttct  | 22320 |
| ataataatat  | tgcatttccg  | tttaatggct  | tcttctatta  | gtttttctgt  | aaaaacgcta  | 22380 |
| gaaaaaatct  | gggtttcaat  | gggttattta  | atagggtctt  | ttattagttc  | cttattgggg  | 22440 |
| tgaaaactgtc | tgtaaaggctc | accattaaca  | gtgagaaaaat | ctaagttagg  | atgggtctttc | 22500 |
| tttgcaacat  | ttataagagt  | gctttttccg  | caagctgggt  | gtccacctaa  | gattatagca  | 22560 |
| ataggctttt  | gtgatgat    | attgatgtcc  | tcaataaagc  | catctttttt  | ttgttcaaaag | 22620 |
| atggcttcta  | cttcatagcg  | ttgcataata  | tgctttcaat  | ttaggtgcgt  | aatagttttg  | 22680 |
| tatcttatcc  | atgactgata  | agcgcacatt  | ttcagaaact  | tcaaactgca  | acaatccatt  | 22740 |

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|             |            |             |             |            |             |       |
|-------------|------------|-------------|-------------|------------|-------------|-------|
| tgctatTTTT  | tcttctgtgt | tgagaacaga  | aagttctttt  | tgcagtatTT | tttttctggt  | 22800 |
| ttcatccttc  | tcttctgata | tttcatctat  | cttcatcatg  | cggagtgtcc | cgataatgtc  | 22860 |
| gagcgcaaca  | tccaagctca | tttctttatt  | catggttcat  | tatagtTTTa | tgattttatac | 22920 |
| ttcaatagat  | tctgtgaatt | ttaataatgg  | aataactttc  | actgtatgaa | atgaaagttg  | 22980 |
| gttaaaaagc  | ttatgggtct | ttagcatttc  | aatcgctgca  | tcagccgtaa | caacaccttg  | 23040 |
| ttcataaagc  | cggattgttg | catataactg  | gtcattggca  | acgggtccca | ttattaaatc  | 23100 |
| atagctgttt  | tttccttttc | ctctgcggtt  | attaactaca  | aactccagcc | actcttttgt  | 23160 |
| agcccatca   | aatcgaagga | ctgaaaactc  | tctatcaaga  | atattatcgg | ggacttcata  | 23220 |
| aactgaaacg  | accgcttttt | taccatgttc  | ccgatttctt  | ttgagtattg | cccacttctt  | 23280 |
| agcctgttca  | aaattagttg | tcgtatagaa  | tccttttcca  | aagtcagtag | ctttacgccc  | 23340 |
| tttctgtata  | ttaggggatt | tgacggtaac  | tgttgagccg  | tgatatagtt | tcatgccttt  | 23400 |
| ttattgatat  | aagtatttat | agtatcta    | atatactctg  | tatcttgtgt | gtgcagcatt  | 23460 |
| tcaaaatTTT  | catatagaaa | ttcaaaaacg  | ccatgattgg  | aaaacagcaa | aagagtttct  | 23520 |
| ttagcactta  | tatttttagt | ttccctgtaa  | ttttcagcac  | aaaacatttg | aaaaagcaat  | 23580 |
| atctttggat  | tgctcttttg | tactttcttc  | tgttctgttt  | tctctttttc | taatgcttca  | 23640 |
| taaagtgata  | atgtacttga | ataccatagt  | tttgtattct  | cgtccaataa | tgcttgttac  | 23700 |
| aaattggaag  | aatatatata | gtataacgca  | tcttctaag   | gtagcgTTTT | tcttttcatg  | 23760 |
| actgtatcaa  | ccaatttctt | cataacaaat  | gggagcatag  | ctgaaccaag | ttcattttga  | 23820 |
| tatgtttgat  | tagtttccat | aactatttat  | tttctaattt  | tatatagcta | tcttgctgat  | 23880 |
| gtctttagca  | aagatagaga | aaaaacaatc  | atcatagacc  | tattgtattg | attagtttgt  | 23940 |
| aaataggttc  | tttgtatttc | tttagatttt  | taatttgtat  | aacatactta | ttgattccta  | 24000 |
| actcattaaa  | gatttctgcg | tacattttta  | ttatggattt  | tctgtagtag | atggttaatc  | 24060 |
| ctactattgc  | aatgcaaata | aaaatcaaat  | agactagttc  | actatacgca | tagatttgcta | 24120 |
| atacaaaaat  | tccaccata  | gcccataaaa  | agctacttaa  | aagaaatctt | aagatattca  | 24180 |
| taattttgtt  | tgctgttctt | tatactggca  | gccaaaccag  | ctttaaaggt | ttgtttatct  | 24240 |
| ctttattttc  | aatactcaaa | gatagtgggt  | ttctataaat  | gtcgcaaata | ataggacaat  | 24300 |
| tatttttgtt  | aaaaatagtt | ttaggtttat  | agactgccga  | agttttatTT | ttccctaaag  | 24360 |
| tttttggtat  | cataataatg | ttctcttata  | gtccatgccg  | ggcagaaccc | ggaaaagtac  | 24420 |
| ggtatcaaat  | accttcccgg | tttctctcca  | gtgcaggcag  | aaaaggatc  | aattagatgc  | 24480 |
| aatccTTTTg  | ctgatgggcg | atagttcctg  | aatgggtgctg | gtatcgtttc | ttttatgatg  | 24540 |
| cagccgtttt  | tctgtattca | gatatagaga  | gaaacgacac  | aaagaacttt | agggaaaaga  | 24600 |
| agattcttcg  | tgttgctctt | tctggaagtg  | gagtataatta | atcatatatt | atatgtttat  | 24660 |
| aggttcatat  | attatatatt | catatattat  | ttatatatag  | tgttttctct | ttgttctttt  | 24720 |
| tccctaattg  | tttatgggat | caattttttg  | tgccggctt   | ccggcagctt | tttgtatttg  | 24780 |
| gtatcaaaaa  | ggcgttcttc | agaatatatc  | gagcatgata  | attcggtatc | atttcatcat  | 24840 |
| gccatgtttg  | cccatcagtg | ccggaactcc  | gaaaagtacg  | gtatcaattt | ctttccagac  | 24900 |
| tataaaacaa  | agaccgagag | ttttacctcc  | cggctctttg  | taatagaaat | ctctcttttt  | 24960 |
| aatattcatc  | atttgtgata | aatattttcta | ctctcctatt  | tttagcacgt | ccagcttcac  | 25020 |
| ttgtattgtc  | tgcaatgggt | tcgctatatc  | cttttccatc  | ttctgttatg | ttgtttgttt  | 25080 |
| ctataccagc  | ggttctaagg | taatttccta  | ctgctgctgc  | tctattttta | gaaagtatga  | 25140 |
| tattgtattg  | tttttctcct | atattgtcag  | tatgcccaat  | tattttaatc | ttagtattgg  | 25200 |
| gtatttcagt  | aatgatatta | cataagtcag  | aaagcatttt  | ttgagcttct | tcattttaatt | 25260 |
| catatgaatc  | aaatttgaat | aggatttcac  | tttgagctgt  | tgctttaaac | tgttcttttc  | 25320 |
| cattttttatc | tttatagctg | gagattgata  | agccatcaat  | agcttttagt | ttatttcttc  | 25380 |
| tagcttctat  | cttttcttgg | atagctttat  | ctctttcttc  | tttaactaat | tttgcacttc  | 25440 |
| caccaactat  | tgaagcgggt | gaatagttac  | tattattttc  | tatcatgtct | ttttctttgt  | 25500 |
| cgcttagttc  | agcgttactg | aaagtatatca | tatgcgttga  | agtacatgcg | gtaaaaaatg  | 25560 |
| taacaacgaa  | ggctgctagt | ataattattt  | tctttttcat  | gattatctta | ttgctataat  | 25620 |

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| aggtctgatt  | ttaaataaat | ttcttttgct  | tgtactgggt | gctcttcctt  | ttgttaataa  | 25680 |
| agaaaattagt | gcaaacactt | taggagatc   | ttttcctgct | ccatcttctg  | tagaactcca  | 25740 |
| gtaccaacca  | tcaaagtgcg | ttcctccaat  | gattgagaaa | gaagaatata  | ccttttcaag  | 25800 |
| attattagag  | attgctttgt | tttgtgcat   | agagccaata | aaccaacctg  | taacaccttt  | 25860 |
| tgggtgcgtat | tctatagctt | tttgagctgc  | tggataagct | aaactatctt  | ttatagcaaa  | 25920 |
| gttcattatt  | gcggcagtat | tagctgctcc  | atcaaagctg | ttttcatctt  | ccgaagcatt  | 25980 |
| agctatatcc  | tcgtctgtat | ctattaaagg  | atcttcttct | aaatcttcta  | atgaaacggc  | 26040 |
| ataagcgggt  | tcttttatat | caggattatt  | cccatcatta | cacaaaaata  | caactccaat  | 26100 |
| ggcttctttt  | tcatgggtg  | aaaaaagtga  | gggatgcact | atacttccat  | cactacataa  | 26160 |
| gatactaccc  | ggctgtaatg | atgtgtctat  | aatatcttcg | tgttttgtac  | atgatgatat  | 26220 |
| taccctata   | atggataata | gaattatata  | tatttttttc | atacttaatt  | atattattgga | 26280 |
| aatttgacac  | ctactaataa | tccatttcgg  | aaatggtcac | gtgtccaaaa  | gacaaaatca  | 26340 |
| tttttttgca  | ttacaaagac | ttgcattcca  | tttctaaatg | aatagctata  | ttctaaacct  | 26400 |
| atatcaatgg  | aagcctgaaa | cccttttctg  | ttagctccta | aatctgctcc  | aaaccgccat  | 26460 |
| cttaaattac  | tgtttttgcc | tcgtgagatt  | gtaggtttat | atgctgcacc  | tatgccgaat  | 26520 |
| gttttatagc  | tccagaaact | atcagagcat  | accttattac | ataccgggca  | tttatcatat  | 26580 |
| gctgtagcta  | aatcaatata | tagttcataa  | gcattgtgat | atctaccttc  | aaactccagc  | 26640 |
| cctacaactg  | cattgacggt | atctttccat  | tgccaacctc | ctgaaatatt  | aaaaaactta  | 26700 |
| tcaccatcac  | cagccattga | ctttagggaa  | aaaaataagg | tgataacaag  | aaatgctatt  | 26760 |
| cttttcataa  | tcgtaaaatt | ttattcagta  | aaagcatctg | catgaagaat  | gtctgcataa  | 26820 |
| tcaattctta  | atgttatagt | acgtcctgaa  | atctgttttt | cagatatttc  | tatggtaaga  | 26880 |
| actttttcgt  | ctgggaaagt | aaatttttca  | aagacaaaaa | tatttcgata  | gttcttcttg  | 26940 |
| aaaacaagat  | tcttattaac | ttgcatcaat  | ggaagtattt | ctatagattg  | aaaattagta  | 27000 |
| gcctttgttt  | gttttttatc | ttctattttg  | aagcgtattt | ggcttatatc  | atatcgtatt  | 27060 |
| tttgttttat  | taatcataga | aatatcaata  | aagaaatact | tatctaattg  | gtagatattg  | 27120 |
| tttagtacia  | ttttcattag | gttactttta  | ctggaaacat | catagaattt  | attttttgaa  | 27180 |
| ataaacattc  | tatgtgcgta | atcatacatt  | tgtgcttttg | ttaagttcac  | ttctggattc  | 27240 |
| atatagctac  | gtaaatacag | ataagggata  | ttaaagcgag | tgtatgcttt  | tgctaaatcg  | 27300 |
| ctactatata  | ctagcatata | ttgtacgaaa  | aatctttctg | taacaatggg  | gataactcca  | 27360 |
| ctagctcctt  | cttttggtgg | ctttattcta  | agagagttac | cagtaggaat  | atcgccaaca  | 27420 |
| atatcattga  | ctgatataat | aacatatttt  | atatcttcca | tagctataaa  | atgcgttgaa  | 27480 |
| acatctttgt  | tgacgtatat | aacctttagt  | tcttctgggt | tttcacctgc  | aagctcgatg  | 27540 |
| ttttctccaa  | taggggtggt | ctgtgcattt  | cctgtaataa | cagaaacctat | tgtgcataat  | 27600 |
| gcaataaaaa  | tctttctcat | attattgttc  | tttatctttg | ttgtttacta  | aaaaaacttg  | 27660 |
| tgtgttatat  | tttaatttgg | ctttgttttt  | tttgatgttt | ttggaaagag  | cttgggttgt  | 27720 |
| actacggtag  | gcatcttgta | aagcacctaa  | agcgaattgt | tctactcctt  | ctgattgggt  | 27780 |
| gttcatttgt  | atagtttggc | ttcctatttt  | cgctccaaca | tctttactca  | aatctctaaa  | 27840 |
| agctgatgaa  | ggaacaaaga | aaccttcttg  | tccgtcatta | tcatatacag  | ataaatctac  | 27900 |
| tttcatttgt  | ctgccatcaa | ccattataga  | ggaaatatta | atgtgtactc  | tttgagcttt  | 27960 |
| aaagccagat  | acattcccat | ataggttaagt | gccttttagt | aaaagagcgt  | cattaatcat  | 28020 |
| tatatcatct  | agaagccgta | tgcgtactcg  | gctaccatct | gttactttta  | aagtttcatc  | 28080 |
| taatatagct  | gtgatttagt | aagttttttg  | ttctttccct | acagtattaa  | aatatacttc  | 28140 |
| tgcgggattt  | ttcgctttta | caacttctat  | agccttttct | tttggttttt  | catcttggtt  | 28200 |
| tttttgaggt  | gttctaggac | gtggattttg  | taatgaatct | atataagcca  | tttgcatttt  | 28260 |
| aaaaagctcc  | atcttctctt | gcatcttgga  | tttttcagga | gctttcctag  | tttctgtttg  | 28320 |
| acttgattca  | tctatagtag | gaaatccttt  | tatttgttgt | tccaattcct  | tttctcggat  | 28380 |
| tctagaagct  | tgatttaaac | tgtcaatttg  | ccttatttca | tcattggagt  | aaagagaacc  | 28440 |
| agaactttca  | atctcgctaa | cttcttcttc  | tttatctatg | gtttgtattg  | atgaataatc  | 28500 |

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|             |            |            |             |             |             |       |
|-------------|------------|------------|-------------|-------------|-------------|-------|
| agaagattta  | ttgaaagctc | ctttgagtga | ttcaaattta  | ctttttatct  | ctcttttttc  | 28560 |
| taaattagca  | tcaggaatat | caagatttaa | ttcttccgtt  | tctactaatg  | tagtttcttc  | 28620 |
| tgctggggca  | gagtttatca | tatccttaac | tagccatcct  | atccctagaa  | taaaaggtag  | 28680 |
| gatgagtatc  | ggaatgatgt | acttaggctt | tttaatatca  | atctgtttca  | tacgctattt  | 28740 |
| atttaattta  | ttgtataaat | tttttattcg | tatagtgtct  | tctggagtta  | atttcccatt  | 28800 |
| ttttcttagc  | tcattaattt | cattttgcat | tttaatcact  | tctaacaagt  | cgtgaactcc  | 28860 |
| tacttgtttt  | ttttgtaggg | tactatcaat | gttaatttgt  | actttgcttt  | tttcttcggt  | 28920 |
| gaaaacttgc  | attggccttc | tttctggacg | cattactaat  | gatagaattg  | tgacgaaaga  | 28980 |
| aaggaatgaa  | atcgtaattc | caaacatagc | tttacgggtg  | atatcagccc  | acgccaataa  | 29040 |
| gcgttcacaa  | gcgttattaa | ctccgaactt | ttgaaatatt  | ttagtaagaa  | gaacagctgt  | 29100 |
| agcttgctcg  | gctttagtct | tgatactttc | ttttctatca  | ttctttttat  | gtttaaacag  | 29160 |
| tttcattaga  | aattcttttt | tactttataa | tctaggtctt  | tgtttagtat  | cgttttccaa  | 29220 |
| tctgtgataa  | taagtccatg | aggattatth | tcagtgcgtg  | gaatttgtct  | taatttcctt  | 29280 |
| gtagttacaa  | gttgcccttt | tagaatagag | gtttctcgct  | ctatacgttg  | gatgccatag  | 29340 |
| tactcaaaaag | ataggttgtt | catgtccacc | ttgatactat  | ctgtcataat  | tgttactggt  | 29400 |
| gcagaactcg  | ctaataatgt | gttgaaatat | cctttttctt  | ttaaattatt  | atattgtttt  | 29460 |
| aatccgctat  | catcaattag | atacatggct | ttttccatgt  | tgtattttat  | aaattcatcg  | 29520 |
| tctgggtgga  | atgtgaaaaa | taaagtgtgg | aatagattta  | tgtggctctt  | acattcgact  | 29580 |
| tccaagttga  | cttctgtacc | agtttgtttt | actagtacag  | ggacatcatt  | atccaaaaca  | 29640 |
| tatatTTTTT  | ttctttcagc | ttttactaaa | gagaaacaaa  | aggctagtac  | catacctgaa  | 29700 |
| ataactatac  | tagttgcaaa | acagccaatg | gataaaattc  | cggctaattt  | gattttatth  | 29760 |
| tctaagtttt  | taataatcat | gattatgtga | atttaaaatt  | taatgaatct  | ttttacatag  | 29820 |
| ctgcaactggc | tccacctgta | gccggagctg | ctacagcttt  | ggttgcatg   | gctgctcctc  | 29880 |
| caaccatgcc  | tcctactgct | tgccctactc | cagttgtact  | tacaatccat  | gtagaaacaa  | 29940 |
| aagggtattgt | aagcatggca | aatgctccaa | gtaatgctgt  | aagaaggaag  | ctattgacac  | 30000 |
| ctccagaggt  | cattccgaca | tacatgacaa | atgcagcttc  | atttctaagc  | gcatattcta  | 30060 |
| aaatttcaat  | ttctctttct | atcccatatt | gcattactac  | taaagaaatt  | gataatacta  | 30120 |
| tatatgcaat  | acatgaatat | aaactaacac | tgacaaaacg  | agctatccat  | tgtatataag  | 30180 |
| catcccgaag  | tgcaggtaaa | acagagaatg | caaaagctag  | tggaccaaga  | ataactaata  | 30240 |
| ttcctgtgaa  | tatgatttgt | aggaaaaaga | caaaataggt  | acataacttg  | caaaaagtaa  | 30300 |
| cgacaataaa  | ttcaatgata | ttaaacatta | tcatttttaac | cttagcgact  | acataatacat | 30360 |
| ataatccagc  | tatcttgtct | ccaatagctg | agaagtctat  | actaaaatca  | taccattttct | 30420 |
| tatccttaac  | ttcattttcg | gctctttcaa | cttctaataga | agtatgtaat  | aactctactg  | 30480 |
| ctacgctatc  | aatgagtga  | tatctattac | gagaaagtaa  | ttctactttct | tctatctggt  | 30540 |
| tcgtaaacaat | agccttgctt | cgtgctgtta | ataactctcc  | gggataactg  | attagattaa  | 30600 |
| taaagggaat  | ccagaacata | agaaccaatc | ccagtgcgaa  | tggacgcaat  | aacgggataa  | 30660 |
| tctctaattt  | tttatctcca | ctcatcattt | tgaagctttc  | tactccaaaa  | tataacaaca  | 30720 |
| taaagattgc  | tgccaatgct | tgtgcatccg | caataaattc  | tccgaataga  | acagttgttt  | 30780 |
| tatctcttag  | tccatcaaat | aattcaataa | agaatttatc  | tattaactca  | ttcatggctc  | 30840 |
| attattgttt  | tatttatatt | attcaatctt | gttattaatg  | aaagaacctc  | tattagttht  | 30900 |
| ttatcaaaaat | ctaaataggc | ttcccttttt | ttagagttac  | tcatatgtga  | atcatggatt  | 30960 |
| atatctatgt  | tcttttttat | tctagtaact | tcatacagtt  | taacttcaac  | atgttcttta  | 31020 |
| ttaccgccat  | tagaagaata | ttcgacaagt | tttttattht  | tatcattaag  | aatatcattt  | 31080 |
| ctacgatttt  | tagttaaagt | atattgataa | tcaatttctt  | tatctccaaa  | tttgaagagt  | 31140 |
| tctgtcttat  | atatggtatc | aacattatac | ccttcttttt  | ctgtttctga  | tttattgtac  | 31200 |
| tctacggctg  | ccatcatggg | aatttcttgt | aactggaaat  | tacgtctatc  | ttccttcccg  | 31260 |
| tatttgtcgt  | gtaaccctaa | gcccggcaaa | ggaattthta  | tacccaaaac  | ctttttatac  | 31320 |
| catatccagt  | aatgatacca | ttctggttgt | agtcgtactc  | tatccataaa  | ttccatatta  | 31380 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| ttaagcacgc  | tccatttccc  | tttatccttt  | acaggcattt  | gggaataggt  | attagaagta  | 31440 |
| ccaataatca  | acattagggg  | aaaaaataaa  | agcactcttt  | tcatattatc  | ttttaggttt  | 31500 |
| tactttataa  | ttctgtaata  | aatcatcaac  | taattttgaa  | cgattatctt  | tgtattttaa  | 31560 |
| tacccccgga  | gctaagtgtt  | gtaatactcc  | atctcttttt  | gctgttttca  | tctgtcggca  | 31620 |
| tacagcgtat  | gctatacctc  | tcatgtttct  | tagttcatta  | ataacatact  | taagcaagtc  | 31680 |
| tattctttgc  | ttattatcca  | taagggtttac | atctgtcccg  | acaatagcga  | cctgataaat  | 31740 |
| gtattgtgtc  | aaatccgcag  | tgcgatttac  | taattctagc  | tctgtttttg  | ctgacaccaa  | 31800 |
| taataaagcc  | gggtcaccta  | cagcaagttc  | aaccatttgt  | ttttgatatt  | taccaatatc  | 31860 |
| tgctgcaata  | tcagtgcagt  | agataatatc  | ttttcctggt  | tttatgatgg  | cttctacaga  | 31920 |
| ttttaggcta  | ttataaaaatt | tgctttggaa  | aaattcaatc  | tgaaccattt  | tttactgat   | 31980 |
| ttgtttttgt  | ataaggctta  | tttgagcttc  | attctctttc  | acttttagaga | aagaagtatg  | 32040 |
| ttgcacctta  | tgattagcta  | taagtgtttc  | catacaggtt  | atatccaaga  | ctgccttttg  | 32100 |
| cgaatatgca  | acttgggtta  | aagtagatgc  | taccactaaa  | ataaatagga  | ttttcttcat  | 32160 |
| gatattatct  | ttaacgggtt  | gtaatccatt  | tgtattttatc | taggatatac  | ttatataatg  | 32220 |
| gttgttcccc  | tatgatgtta  | agtatatctt  | ttaggtcttc  | atcatcggag  | tgatacccta  | 32280 |
| gtaccttatt  | gacttgtaaa  | acccaatcca  | tatttttttaa | tttggaagat  | tttaggtcta  | 32340 |
| ttataaaaatt | atccaatcct  | gtttggaaac  | taccataaat  | gatatgataa  | tatccaacag  | 32400 |
| catctttttc  | aattcgttct  | gtagtaaatg  | tgaatatattc | gtgtagagaa  | acctctactc  | 32460 |
| caaatacatt  | tccataaatt  | cctcttttta  | taaatacttc  | attaaaccga  | ttacgggttt  | 32520 |
| ctttattggg  | aagttgattt  | atggtaaata  | tttgcttttg  | atttacttcc  | gttagggata  | 32580 |
| aaagatttgc  | tatttcttga  | tatttgtcta  | taaatttact  | ttggtctaata | aggcatataa  | 32640 |
| tatcggagtt  | gctgattata  | gagtttttga  | ctacaggatt  | actaattatg  | tcctccagtt  | 32700 |
| cttgagtaac  | aaccattgcc  | ataccccaaa  | atttacgaac  | tgtttttatac | aaatagagta  | 32760 |
| tatagccagc  | catcataggg  | ctagctatgg  | ctttccatgc  | ttcttcaatt  | attaatgcct  | 32820 |
| ttctgttctt  | ttttaatctc  | attttttgaa  | taaaaacgtc  | cataataaatt | aaggttacta  | 32880 |
| ttggaaataa  | ttcaggggtca | tctttaattg  | catcaatttc  | aaaaactata  | aagggttctt  | 32940 |
| caaaaaggga  | agtgtaaaaa  | tcctcattaa  | gagttttttc  | taactgtcct  | cctttataga  | 33000 |
| attttttttaa | tagaaactta  | tagttagtaa  | tatcaaaatc  | aattttgttc  | tctttgcaaa  | 33060 |
| tgataggtat  | aatgcgtagg  | gaaaattcgt  | agaaagagtt  | aaaagataag  | ctttcaactt  | 33120 |
| ttattttctt  | caatataatc  | tccttcttct  | ggattcgtct  | ttctattata  | gaaagtaatc  | 33180 |
| tagtttcagg  | attatcaagc  | tcttggcgtg  | taaagccttt  | ttcgatgaga  | atgttttgta  | 33240 |
| tcgctttttc  | tgcgttgggt  | ttttctccgc  | cttctccttt  | ttctactagt  | tgctgtaatt  | 33300 |
| tctctatttt  | ttcggaaggt  | atcttgcgtt  | cttctttttc  | cctttcgttt  | tcaaattctt  | 33360 |
| cttcattgac  | ttgaaattcg  | agtagtaaat  | tttcacgtat  | ggcttctttt  | tccgcatctg  | 33420 |
| aataaccatt  | aaagggatga  | aagtagaaaag | aatagtattt  | ttctatggta  | atatccataa  | 33480 |
| tttcttcttc  | ttgctttttg  | acctcacat   | ttgcaccttt  | ccatatcagg  | aaaattaatg  | 33540 |
| atttaagaaa  | gtttttcttt  | tctacattat  | actcttcttc  | agtaattcgg  | aaaggattca  | 33600 |
| tagatatagg  | cttgctttca  | gaataagtaa  | tgtatttgcc  | atgatagtat  | tcgcacattc  | 33660 |
| ctgaataact  | atgccctgta  | tctaccaata  | caatatcagt  | gttatctaaa  | acccattgtc  | 33720 |
| ttacttttga  | gttgacatag  | aaagacttac  | cagaaccact  | tggacctaaa  | acaaagaagt  | 33780 |
| tggagtattt  | tgtatatttt  | ttctcacctt  | ctttcccggg  | catatctatt  | ccaacaggca  | 33840 |
| atccttgtct  | gtctgtaaaa  | taagtaagaa  | aagggctggt  | ttctgttact  | tgtaattttt  | 33900 |
| ccttgaacaa  | aagacaaatt  | gcagcatcgg  | aagtgttag   | aaatttgtca  | taactgttta  | 33960 |
| ggttgattgc  | gtttcctggc  | agtgcacatt  | cgaataattc  | taattgggtg  | aaacattggt  | 34020 |
| tattaataat  | aatgccacaa  | tcaaaaagag  | atgtttcaac  | atagttgata  | gccttactaa  | 34080 |
| tatcatcaag  | accagcaaga  | attatattat  | aatgtgcata  | tacaagcatt  | tgcccttctc  | 34140 |
| tggcaatatc  | cgactgcact  | cgttctatgt  | cttctacaca  | taaatcattt  | gcaggggtcag | 34200 |
| gcattccttt  | atgttttttc  | tttttgcctt  | ctaatttggt  | tgcttcggtt  | cgttgggtctg | 34260 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| gaatatttat  | tacttgatta  | tagataattg  | tgtctatacc  | tggtgtatca  | tgcaaaaaag  | 34320 |
| agagtaagtc  | aacaggaaac  | cttagcccaa  | tattgacctc  | tttatatggt  | tttataacag  | 34380 |
| aaggaaaaatt | aacttcgtca  | atatctacaa  | gagaaatgca  | ctgtacgttt  | ttttctccaa  | 34440 |
| ttataagatt  | ttcttctctt  | gctttgatat  | tttttaggct  | tactgtttgc  | tgattgaaat  | 34500 |
| tgatagatag  | aaatcttttt  | atataatatt  | ctatttcatt  | ttcatttaat  | agtttagctc  | 34560 |
| ttattcctct  | gttagcgaat  | agtcctaata  | cttttgtgat  | gtttctaata  | aaagtatcaa  | 34620 |
| accttcgagg  | gtcaaaaagaa | aagaatttag  | acctttctac  | ttctcctgta  | ataacaagat  | 34680 |
| aagtagaaat  | atcagtatat  | attcgtcctt  | taaaatgttc  | aaaataacga  | tttgataaat  | 34740 |
| agtcgttctt  | cctattctgg  | ggtggtaaaa  | atgatttttt  | acatagaata  | tcctgttttt  | 34800 |
| gtattgtata  | tccagttcct  | aatactttga  | ggatattagt  | aaataagtgg  | tgaaaatcat  | 34860 |
| agtaagcatc  | catatctgct  | gaatactgta  | ttataggatt  | ttcacattta  | atgataacag  | 34920 |
| aatagtcgcc  | ccttcgggta  | tagaatatag  | gagtattgtc  | tattgtttca  | ataccaatat  | 34980 |
| aaggagcttc  | aaattcactt  | ttctttttca  | taagctttat  | ttttttctat  | ctcttataaa  | 35040 |
| agtgcgtgat  | actatatata  | tgcccttttcg | tttatctttc  | ctgtgaagcc  | cttttctttg  | 35100 |
| taattgcgat  | gttattccta  | accctccaaa  | cataactatt  | acaagagtta  | tacctcccca  | 35160 |
| cataaaaagaa | gccagagtag  | aaacaatagc  | acataaaaagt | aaagcactaa  | taatacaagc  | 35220 |
| tccaccgata  | tatatgaact  | tgccctttaa  | tcctttgaaa  | ataaggggct  | tttgtagccc  | 35280 |
| cttatataca  | ttgtaacttg  | gatactcttt  | cgacatatta  | gattccgaag  | aatgctttta  | 35340 |
| cgacaacacc  | tgatacaacc  | agaaagatac  | atgaccccat  | ccagcccata  | acagcctttt  | 35400 |
| gtacatcttg  | gtcaccagag  | ttccatttta  | aataaaactcg | cactgctcca  | actaatccta  | 35460 |
| ctagacctcc  | tagtatcatc  | atcatgtttc  | ctaggggggc  | catgtagggt  | gcaagttcag  | 35520 |
| aactagctgc  | atcaattccc  | gcagcacctt  | gtgcaaaaagt | gttagttact  | accattatgc  | 35580 |
| taatggctaa  | agcgaatgct  | ctttgagcaa  | tttttgaaaa  | aaactttttc  | atttgaataa  | 35640 |
| aaattagttg  | tttatttggt  | aaaattttacg | tgtgaaaaca  | tgctttttccc | tttagcaaga  | 35700 |
| agttgttcca  | ttggaatacc  | ttgtgtttca  | acttccattt  | caatagattc  | atttacagat  | 35760 |
| acataattct  | gttcagattc  | ttttttttca  | tcctcttttt  | cgtatgagcc  | tgtttcaaaa  | 35820 |
| tcttcatcta  | caactttgtg  | aggtattttc  | tcttcctctc  | ctattgaaat  | aatctcttct  | 35880 |
| tcttcacctg  | tattggtttt  | gctttgcttt  | aggaaagcat  | catacaggat  | gtttgcagcg  | 35940 |
| tagtaaaacta | cataaatggc  | aaatacagcc  | atgataaatt  | gtgaataact  | catattctta  | 36000 |
| aatttataaag | tttcattaat  | cgaccctttt  | tctgtacttt  | tgattttataa | tagtactaga  | 36060 |
| ggtaataaca  | ggggaaaaag  | ccctagttta  | aaatagtttc  | gcgaatagtt  | gaatttatga  | 36120 |
| aacttggatt  | taaaataaat  | ggagataata  | ggctacgctc  | gtgtttcaac  | gaggaacag   | 36180 |
| aatttagatt  | tgtagctaga  | tgcttttaaaa | gaagccggat  | gcaaacttat  | atttgaggaa  | 36240 |
| aaagtatcag  | gagtaaagga  | tagacccgaa  | ttagataaag  | cccttgcata  | tttgcgagaa  | 36300 |
| ggtgatactt  | ttgttatctg  | gaagctagat  | agattaggac  | gttctttgaa  | agatttagtt  | 36360 |
| tatatagtgt  | attgtttgca  | gaaaagaaaa  | gttgcatcca  | aaagcatagt  | tgatggtatt  | 36420 |
| gatactaata  | gtgctctagg  | aagatgtcaa  | tttggaattt  | ttgcttcatt  | ggctgaatat  | 36480 |
| gaacgtgaaa  | taatagtaga  | acgaactagg  | gctggattac  | aagctgcaaa  | agaacgaggg  | 36540 |
| aaacttacgg  | gacgacctat  | agggttatcg  | gaagatgcaa  | agagaaaagc  | tatagcagca  | 36600 |
| aagcgtttat  | atgaaaatcg  | ggattattct  | atagatgaaa  | tatgtagaat  | tttacacatt  | 36660 |
| ggaagtaagg  | ctactttgta  | taggtattta  | cgttatgaaa  | aagtaagatt  | gatgaataga  | 36720 |
| agaaaataaat | agggcggttac | ctttcagggtc | gggctttttcg | ctgcaagtcc  | tcgctacgct  | 36780 |
| gtgggctttc  | cgctgcaatc  | cctaacgcat  | tttcccaccc  | acccttctaa  | ggtatatcca  | 36840 |
| atgctttgct  | tttttcaccg  | cttctatgaa  | gcacctacaa  | aagcaaggca  | ttggatatctc | 36900 |
| ggttttatag  | acttcatggt  | ccctaaaggg  | aatattccgt  | ttataaaacc  | ttatctctca  | 36960 |
| cccaaaatat  | ataaaacttt  | agggaaaaga  | taatacgtta  | aaaatcagcc  | agttataaac  | 37020 |
| tatttttaac  | aaaaataatt  | gtcttattat  | ttgcgacatt  | tatagaaaat  | tactatcttt  | 37080 |
| gagtattgaa  | aataaaagaga | taaataaact  | ttaaagctgg  | tttggttgcc  | agtataaaga  | 37140 |



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|            |             |            |            |            |             |       |
|------------|-------------|------------|------------|------------|-------------|-------|
| acagcaaaca | aaattatgaa  | atctactttt | gataaaaatg | cagagaagtt | tgtaaaccctt | 37200 |
| atgggttga  | aaattgaaag  | tttgtctatg | aattggcaaa | aaccttggtt | ctctaaagtc  | 37260 |
| aactctaaac | agaacttttt  | accacaaaat | ttaacaggtc | gtacttatag | tggtggaaac  | 37320 |
| gcttttttac | tttatttttt  | gtgtgaaaaa | tataattatc | aaactcctgt | ttttttgaca  | 37380 |
| ttcaatcaag | cacgaaacga  | aggtattaat | gttctaaaag | gtgctgttgc | ttttcctggt  | 37440 |
| tattatacat | tattttgtgc  | ttatcatcgt | cagacaaatg | aaaaaatttc | atatgatgaa  | 37500 |
| tataacaaat | tatcgggaaga | agaacaaaaa | gaataccggt | tagcagctta | tacaaaatat  | 37560 |
| ttccaagttt | ttaatttaga  | ccaaacaaac | tttgcgga   | aatatcccaa | tagatgggat  | 37620 |
| atattaaagg | ctaaattttc  | aggagaggaa | cagccacaag | aagagaaaga | aatgtatgta  | 37680 |
| aatccaatac | ttgatgaaat  | gaataagaat | caaaattggg | tatgtcctat | tcaaaccggt  | 37740 |
| tctagtata  | gtgcgtttta  | ttcaatatca | aatgatagca | ttactttacc | tttaaagagc  | 37800 |
| caatttaagg | acggagaaag  | tttttatggg | acagaattac | atgaaatggg | acatagtaca  | 37860 |
| gggtgtaaaa | atagactaaa  | tcgaaaagga | ttttatgaaa | atgataaatt | caattatggg  | 37920 |
| cgtgaagaac | ttgtagcaga  | attaatatcg | gctttgtctg | gtgtatat   | gggtatttct  | 37980 |
| gtaaccgtca | gagaagaaaa  | tgcggttat  | ttaaaatcat | gggtgaaagc | aataaaagaa  | 38040 |
| gaacctaaat | ttttatagga  | actcgcattt | gaaaaccctt | aaatcttcag | tttaggggat  | 38100 |
| gaaaaatg   | gggtagcgca  | gctacccttg | gttttcgatg | tattttttga | tggtttcctg  | 38160 |
| actgacattt | ccgactgatg  | acacaaaata | tccatccgtc | caaaatgtgt | tttcccagta  | 38220 |
| aaatacatgt | ctaaggtaat  | tttcatgtct | tttccaaatg | gcagttgttg | acatttggtt  | 38280 |
| tagcctcctt | acgatttgca  | gcggagagag | ttttggttcg | ctgcataatc | tcatgtgaat  | 38340 |
| atggtctttg | tcggtttcca  | tgacctcaat | gttaaagtct | gacaggtctg | atatgttctg  | 38400 |
| catgatttgc | ttcatgtcat  | attccactgc | tccaatgagt | agcttcttcc | tgtatttgca  | 38460 |
| tacaaatata | acgtgatatt  | tgatgagaaa | cttcgagtgg | ttctttgaaa | tgtaatcttt  | 38520 |
| ctgtatcatg | gtctcatttt  | aaatcgttac | ttttgccata | tgttacgtgc | ctacaaatat  | 38580 |
| agaatctatc | cgacagatga  | gcagaaggtt | ttgtttgcaa | agaccttcgg | ctgctgccgt  | 38640 |
| tttgtctata | attgggcatt  | gaacctgaaa | atcacagcct | acaaggaacg | caaggaaacg  | 38700 |
| ctcggcaacg | tatacttgac  | caatttgatg | aagagcgagc | tgaaggtgga | gcatgagtgg  | 38760 |
| ctttctgaag | tcaactccca  | gtccttgacg | agttccttgc | gtaatcttga | tacagcctat  | 38820 |
| accaatttct | ttcgcaacac  | caaggctgtc | ggtttccac  | gcttcaagag | ccgcaaggac  | 38880 |
| aagcagagct | tcctttgccc  | acagcattgc | cgtgtggatt | ttgaaaaagg | aacaatcaca  | 38940 |
| atccccaag  | cgaagatat   | tcctgccgtg | ctgcaccgca | ggttcaaggg | tacggtgaag  | 39000 |
| actgtcacta | tcagcatgac  | cccttcggaa | agatactttg | cttccgttct | gggtggacacg | 39060 |
| tccatgcaag | gaatgaagcc  | ttccgaaccg | atgctgac   | cgaccgtcgg | cattgacttg  | 39120 |
| ggcatcaagt | cgcttgccgt  | atgttctgac | ggacgcagct | ttgccaatcc | caagaacttg  | 39180 |
| cagagaagct | tagaccgctt  | gaagtgtcta | caaaagcgg  | tgagccgcaa | acagaaaggt  | 39240 |
| tctgccaacc | gcaacaaggc  | acgcacccgt | gtagccggc  | tacaggaaca | catagctaac  | 39300 |
| agccgtaaga | acagccttca  | caaaatcacc | catgcactca | cgcacgacag | ccaagtgcgc  | 39360 |
| actatctgca | tggaagattt  | gaacgtgaaa | gggatgcagc | gtaaccacca | tttggcacia  | 39420 |
| gccgtaggag | atgcttcttt  | cggtatgttc | ctaactttgc | ttgaatacaa | gtgcagttgg  | 39480 |
| tatggcgtga | acctcattaa  | gatagaccgc | tttgcccaa  | gttcgaagac | ctgcggcaaa  | 39540 |
| tgcggctatg | tgtacaaaga  | attgaatctt | agcgagcgca | gttgacatg  | cccggaatgt  | 39600 |
| ggtacacatc | acgaccggga  | cttcaatgcc | gcttgcaaca | tcaaggaatt | tggttgaaa   | 39660 |
| gccctaccca | cggagcgtgg  | gaaagtcaag | cctgtggact | gtcctcttgt | ggatgaccga  | 39720 |
| cctcgtgtcc | taaaaagcaa  | tggcaggaag | aagcaggaaa | agagaggagg | tatttggtatc | 39780 |
| tccgaagccg | ctaaatcttt  | agtttagcgg | tagttcactt | actgtattgg | cagatgctat  | 39840 |
| taaaggtagt | aaattcatag  | cccagcatct | aaatataagg | ctagatgtgg | aagaagttga  | 39900 |
| agaagagaaa | aatacaaaag  | ttgcttaaag | gttccttccc | cccttattgg | ggggggagtt  | 39960 |
| cttttttcaa | acgccaaaaa  | agaacaaaaa | aggcttaatc | gcttcacttt | gttacgctcc  | 40020 |

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|             |            |             |            |             |             |       |
|-------------|------------|-------------|------------|-------------|-------------|-------|
| aatagttttg  | ctatcggtaa | acccacccac  | ccttctaagg | tatgtttctt  | tatcccttct  | 40080 |
| gcaatcctta  | gtaaagttcc | actacctttt  | aggtaactcc | acttttagtaa | gcattgcaga  | 40140 |
| agcggaaca   | tgacgcaaat | taaaatacat  | tctcactttg | agaatacatt  | ttaatgcgtc  | 40200 |
| ttgttgtcta  | acccaataag | aactataggg  | aaagaaattg | ataccgtact  | tttcggagtt  | 40260 |
| ccggcactga  | tgggcaaaca | tggcatgatg  | aaatgatacc | gaattatcat  | tcctggcaca  | 40320 |
| ccctacagaa  | caaccttttg | ataccaaata  | caaaaagctg | ccggaagccg  | gacgcaaaga  | 40380 |
| attgatacca  | taaaacatta | ggggaaaaga  | acaggaacag | aataccatat  | tatatatata  | 40440 |
| aataatatat  | gaatatataa | tatatataa   | aacaatatat | aatatgtgat  | taatatactc  | 40500 |
| cacttccaga  | aagagcaaca | cgaagaatct  | tcttttccct | aaagttcctt  | gtgtcgtttc  | 40560 |
| tctctatacc  | tgaatacagg | aaaacggctg  | catcataaaa | gaaaagacac  | cgacaccatt  | 40620 |
| caggaactgc  | cgcccatcgg | caaaaggatt  | gtacctaat  | gatacctttt  | ctatcagcac  | 40680 |
| tggagagaaa  | ccgggaaggt | atttgatacc  | gtacttttcc | gggttctgcc  | cggcattggac | 40740 |
| gataagagaa  | cattattatg | atacaaaaa   | acttttagga | aaaataaaa   | ttcggcactc  | 40800 |
| tataagccta  | aaactatttt | taacaaaaat  | aattgtccta | ttatttgcga  | catttataga  | 40860 |
| aaatcactat  | ctttgagtat | tgaaaataaa  | gagataaaca | aaccttttaa  | gctgggtttg  | 40920 |
| ctgccagtat  | aaagaacagc | aaacaaaatc  | atgaaacatt | gcttctttaa  | tccatttcgt  | 40980 |
| agccaactgt  | tagggctatt | tttcagtatt  | aattcattaa | tcattttttt  | atgaaaaaag  | 41040 |
| agtttacatt  | acgcttagac | gatgcagcct  | gtgcggagtt | agaaaatcta  | aaaaaattat  | 41100 |
| ctggtgaaaa  | aacagatgct | aaagctatta  | gatttgctat | tcagaattat  | gcaactttga  | 41160 |
| atgataagta  | tattgaaaca | caacggcaaa  | taagaacgtg | gaaagataaa  | tatgcagcgt  | 41220 |
| taaataaagc  | tgttgatgat | tacttgtctt  | cttttgaagc | attgaagaaa  | actacagatt  | 41280 |
| gatagttaat  | tattagaaat | gtgaaaggat  | taacaaatat | aggggtaaat  | tagaaattaa  | 41340 |
| cgtataactg  | tatatataa  | aacgaattat  | gaatgaaaga | acaatccaaa  | tagacgtaat  | 41400 |
| tggaaaaata  | gaaggtagtc | aatttatgaa  | gtgtaagcta | tatacaaatg  | aaaatattgt  | 41460 |
| cattatcatg  | atgaatgaat | ttgattatga  | acggttgaaa | gaagaaggaa  | tcttcataag  | 41520 |
| agatggcaaa  | agtcgagatt | cagccggggg  | gttgaaatac | accaatactt  | tcatcgaaaa  | 41580 |
| aaattaatac  | tcaaaaacaa | aaagaatgat  | tatggataaa | aaagaaaaga  | attttgccac  | 41640 |
| atacaaaaga  | tttgcaaaga | tgcttcggga  | agtggcaaac | atatactcta  | aactgggtga  | 41700 |
| cgaaccattg  | ttgaaagaag | gatattgagta | taacgccatt | agagatgctg  | ttcagtatgt  | 41760 |
| aacgaacaaa  | cacgattttg | attactttat  | acagccttgg | aaggatgagt  | ttctacgtat  | 41820 |
| gcctttttgat | gtgacgaagc | gaaaaaaatg  | ggctgattat | gtggctgaat  | gccatgctac  | 41880 |
| aggaaaggaa  | atagattacg | ataattatga  | ttgggataaa | tgaccataat  | ttttcgaata  | 41940 |
| gtgtgaaagg  | gaatagatgt | catataatca  | aaatatagat | agaatgttta  | ttgaatataa  | 42000 |
| ggtatatcgt  | aggggtgcag | atttgaagcc  | ttttatatct | agggttgaac  | ttccttcttg  | 42060 |
| tcagatgatt  | gggaaaaaaa | agttttagag  | aaaaaaagca | aaaatggagg  | ctgtttatag  | 42120 |
| acttacaggg  | aaacgtttgc | cagaagacta  | tacaacagag | caggtaaaca  | attttcttac  | 42180 |
| ggtagaattt  | tttaatacgt | ctttatggca  | taagtataga | aagattttaca | atgaagtttc  | 42240 |
| caatgaaaaa  | gaaattgttg | ttgagaacta  | tagttatcaa | tatacattag  | ttgtagaatt  | 42300 |
| agcaaataaa  | tcgaatttat | cattggatga  | aggaaaaatt | gtacattttg  | ttatgtgcga  | 42360 |
| actgttagga  | aatccttgtg | aaacgtataa  | agggatgaaa | aaccctataa  | tttcttttac  | 42420 |
| aaaagattat  | gatagataaa | gcaaaaacat  | tagatgaatg | ctttaaggaa  | ctaattctta  | 42480 |
| aaagagggtg  | gtctaaaaat | agtccatatg  | accgccgaac | tgcatcaagg  | cataaaaagc  | 42540 |
| aattccttga  | aggaacgttg | cccgatgaat  | ttaaaagagt | atatttgcaa  | agtgtgtggt  | 42600 |
| atacaatagt  | gcagccggag | ctttggcgac  | aggaattata | aaacaaagaa  | aatggactgg  | 42660 |
| aggaacataa  | taagaaatct | attagaaatt  | atcattgcta | tttttagaat  | gattttcata  | 42720 |
| gggctatttt  | atatagccaa | gtttatgttt  | gtgttcttta | ttctactttt  | ttttggagta  | 42780 |
| ttaatcagtc  | aaaataataa | acgatggtaa  | atagagaaat | aaaagcccga  | aaacgtgcgg  | 42840 |
| tgaagaaga   | aaaagaagaa | atagacggtg  | agattgttag | aattaggaaa  | gggcattcctc | 42900 |

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|             |            |             |             |             |             |       |
|-------------|------------|-------------|-------------|-------------|-------------|-------|
| gtacaaatct  | tcctgtgaaa | ctcccagaaa  | atcccacatg  | gctgaaacaa  | cctaattgtag | 42960 |
| ttacattaat  | ggctggatg  | tttaagacag  | tacagattag  | aatcttaatt  | gctgttatag  | 43020 |
| agaaaattaca | ggatgtcata | gaattaagta  | ttcagcatct  | agataaatat  | ggtacatcta  | 43080 |
| ttccatgcga  | gcaattatct | ttatttcaag  | aatattcaga  | ccgtataaga  | gtagatatcg  | 43140 |
| catatcggga  | tttgggcgtt | aatccagacc  | aatacaagga  | agtaaaaagc  | atgggttcgta | 43200 |
| aattaatcag  | tattcctgta | gagcttgatg  | ttaaagaccc  | aataacaggt  | gaggatagtt  | 43260 |
| ggtctattac  | tggtttattc | actaaggcaa  | atatacctaa  | aactccttat  | tcaagagggtt | 43320 |
| tttctttaga  | aatggataga | gaggttgcta  | aagttttcat  | taatgttgat  | agagggtttta | 43380 |
| cacgctatat  | aaaagagata | gctttaagag  | cgcaaagtag  | atatacaata  | agaatgtata  | 43440 |
| tgctgattag  | ctcatggaaa | gaaaaagggtg | gtttttctat  | ttatgtggat  | agatttcgga  | 43500 |
| aattcttaaa  | attagaagat | aaataccccc  | aattttaaaga | tttgtataaa  | cgtgtaatac  | 43560 |
| gccctgttta  | cgatgatttg | tttgaacagg  | ctgattgctg  | gtttgaaatg  | gcagaagttt  | 43620 |
| atcgtaatc   | aggcgataca | cagccttata  | aacttaattt  | caaagttatt  | aagtctgcat  | 43680 |
| tatcaaagaa  | ggaagaagaa | ctattaaaag  | gacaaaagaa  | gatgataacg  | aatttttggtt | 43740 |
| ctttgcactt  | tgcaatgaag | gacgaacatt  | tgacgaggtt  | tattccacag  | attacattaa  | 43800 |
| gcaactataa  | agcagtagta | actaagatgc  | tttatctagg  | cgaatatgtt  | agagataact  | 43860 |
| ggaataaaaat | ttcaaataaa | gcagaatatt  | gtttatccgt  | attattaaaa  | gaagtagaaa  | 43920 |
| tactccccgg  | aatgattgga | gaagaaaaag  | aagatgaata  | aaagttgggt  | ttttgtccct  | 43980 |
| aggaggggtc  | taaaagttgg | gtttttgtcc  | ctaagaagtt  | gggtttttgt  | ccctaagaag  | 44040 |
| ttgggttttt  | gtccctaaga | agttgggttt  | ttgtccctga  | ttttttacca  | ttatctgttg  | 44100 |
| tttttcaaat  | agttaccctt | ccatttttaa  | gggtactacc  | atcactagct  | gataaaaaaa  | 44160 |
| acctgataat  | cataccaaat | acaaaaaagg  | aactttttctt | attacataaa  | cccataaaaa  | 44220 |
| aggaactttt  | ctcataatct | taacacgaac  | tttagggaaa  | agaacatcta  | ttaacaaaaa  | 44280 |
| aagacgctat  | atgatacaac | taatcaatca  | aaagttgggt  | ttttgtccct  | atctaaaaaa  | 44340 |
| accatatttt  | aaaaagttgg | gtttttgtcc  | ctatgctttt  | ttgatatact  | gtagggaaag  | 44400 |
| aaattgatac  | cgaattatca | ttcctgggtac | accctgcaga  | acgccttttt  | gataccaaat  | 44460 |
| acaaaaagca  | gtcgggaagc | ggacgcaaaa  | aattgatacc  | ataaaacatt  | agggaaaaag  | 44520 |
| aacaggaaca  | aaataccata | ttatatatat  | aaataatata  | tgaatatata  | atatatgaac  | 44580 |
| ctataaacat  | ataatatatg | attaatatac  | tccacttcca  | gaaagagcaa  | cacgaagaat  | 44640 |
| cttcttttcc  | ctaaagttct | ttgtgtcggt  | tctctctata  | tctgaatata  | gaaaaacggc  | 44700 |
| tgcatcataa  | aagaaacgat | accgacacca  | ttcaggaact  | atcgcccatc  | agcaaaagga  | 44760 |
| ttgcatctaa  | ttgatacctt | ttctgcctgc  | actggagaga  | aaccgggaag  | gtatttgata  | 44820 |
| ccgtactttt  | ccgggttctg | cccggcatgg  | acgataagag  | aacattatta  | tgatcaatac  | 44880 |
| ttcggtaaat  | ttttaccgat | aaattaaaaat | taaacataga  | atcggcataa  | tccggttcaa  | 44940 |
| aatttatattc | aagagatcat | tgaataactg  | tcaagaataa  | atcgtcaagg  | agtaagaaaa  | 45000 |
| gggatgaaaa  | agatatgcta | aacagctgaa  | aatcaacaga  | aaaagtattt  | cataattcac  | 45060 |
| tgatttttag  | taaattagaa | gtacttcacc  | acttttaatt  | atgactaaaag | aatcactcct  | 45120 |
| tatgcaatac  | caatccgagt | gcagaaacgc  | tctcgaatca  | gctgtaaata  | taagcaaatac | 45180 |
| ttttcagaaa  | gtattcatgg | atgcaatgaa  | attattcatg  | gctataacctg | accgcatcaa  | 45240 |
| tttctacaa   | atgggacggg | atggatgttt  | ctcggaaacag | acataccgca  | acaattttga  | 45300 |
| gaacgacggc  | tttgactggg | tttccttcaa  | tgaagccatc  | atcaggggaac | accttaaagg  | 45360 |
| tggtcgcaag  | gcatagccg  | ttgatccgtc  | tttcattcca  | aaatcaggca  | gcaaaacgcc  | 45420 |
| gtggattggc  | tatttctggg | ccggttggtg  | cgggtgaatac | aaacgtggac  | tggaaataac  | 45480 |
| cggtattgga  | gttatagacg | ttgacaacca  | tgaatgtatg  | actttgggct  | ctgtacagac  | 45540 |
| acctgacaac  | gcaacgctgg | aaagctgtga  | gaagaatctt  | gttgactggg  | acagctctta  | 45600 |
| ccttatcagc  | atacaggaac | agctgaaacg  | tatttctggc  | acagtcgtgt  | gtgatgcgtt  | 45660 |
| cttttcaaa   | gcaactttca | tcaaaccatt  | gtacgataac  | ggtttccacg  | taataagccg  | 45720 |
| tttcaggaat  | gatgccgtat | tgttttatcc  | cacttagaa   | aataggacag  | gaaaacgcgg  | 45780 |

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|             |             |             |             |             |             |       |
|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| acgtccaaaa  | ttacatgacg  | agaaaattga  | ctttgaaaat  | ctggacatca  | caagatgtac  | 45840 |
| cgagtacaaa  | gtgaacaagg  | gtaaacttta  | cggactgaaa  | gcatactcca  | aagcactcaa  | 45900 |
| acgctttgtg  | agcctggctg  | tatggtagcc  | catggatgga  | agaacggaca  | aatggcagct  | 45960 |
| gtattttctt  | acaaacgaaa  | tacagaacgc  | acaggatgtc  | ctggactttt  | acagaacacg  | 46020 |
| tttccaactc  | gaattctgct  | ttcgggatgc  | caagcaacat  | gccggaatag  | caaactgtca  | 46080 |
| gtctacagac  | ttcaggaaac  | tggcattcca  | ctttaatgca  | tcacttgcag  | cgataaacct  | 46140 |
| cgccaaggct  | gcctgtaaga  | agatgggaat  | aaaatattcc  | atatcatcat  | gcaagtcagt  | 46200 |
| catacacaat  | gcttacatgc  | ttgaacgatt  | tattttgcgtg | tctgggattg  | aaccaaacac  | 46260 |
| gcaattaatt  | gacaaacttt  | tcaaagaact  | cattttatatt | actgccagag  | ccgcttaggc  | 46320 |
| tgggctaatt  | tttaacgaac  | tattgtttac  | tataattgat  | aattgatgac  | gttatgatat  | 46380 |
| atagtacaaa  | gcataataaa  | aatacaaatg  | aagatcctaa  | aacatctgtt  | atTTTTgaga  | 46440 |
| atctgatgtt  | attaccagac  | gatctttttt  | gggaaattct  | aagagaatca  | accctaatag  | 46500 |
| gtaaaatatt  | acctaattgat | gctggatatt  | tacttcatag  | tgatgattat  | ttttggcctc  | 46560 |
| attggaattc  | taaaggtaat  | tatgatgctg  | ggaatctaaa  | ttttgtagaa  | ccagatgttt  | 46620 |
| tttttcgctt  | ttctaatttc  | gatataatcg  | tagaagccaa  | attatcagat  | tgttcaggcc  | 46680 |
| agaattatga  | ggaatgggaa  | cgagaattta  | aatcttatct  | caacgaatac  | ggagaagaga  | 46740 |
| aaaaaacagt  | atattttattt | gctgtagggtg | gtaatagtat  | attaaatatt  | gaggaaccac  | 46800 |
| tgattgttga  | tgggtataaa  | tgtccaattg  | taaaattttac | ttggtttggg  | atattaaatc  | 46860 |
| aggtttataa  | aagatgggaa  | gaatttgata  | atagaaacta  | tcaagaatct  | tcaataaaga  | 46920 |
| gaatcttaaa  | aaatgttata  | gaaggtttta  | atcttatggg  | agtttatatt  | tataataata  | 46980 |
| aaataaatct  | aaaagagttt  | acaagtatac  | aatctttaat  | tagagctttt  | gatatagtac  | 47040 |
| aatagttcgt  | taaaaattag  | cccagcctaa  | gcggctcttg  | cagtaaataa  | aatgagttct  | 47100 |
| ttgaaaagt   | tgtcaattaa  | ttgcgtgttt  | ggttcaatcc  | cagacacgca  | aataaatcgt  | 47160 |
| tcaagcatgt  | aagcattgtg  | tatgactgac  | ttgcatgatg  | atatggaata  | ttttattccc  | 47220 |
| atcttcttac  | aggcagcctt  | ggcgagggtt  | atcgctgcaa  | gtgatgcatt  | aaagtggaat  | 47280 |
| gccagtttcc  | tgaagtctgt  | agactgacag  | tttgctattc  | cggcatgttg  | cttggcatcc  | 47340 |
| cgaaaagcaga | attcgagttg  | gaaacgtgtt  | ctgtaaaagt  | ccaggacatc  | ctgtgcgttc  | 47400 |
| tgtatttcgt  | ttgtagagaa  | atacagctgc  | catttgtccg  | ttcttccatc  | catggggtag  | 47460 |
| catacagcca  | ggctcacaaa  | gcgtttgagt  | gctttggagt  | atgctttcag  | tccgtaaagt  | 47520 |
| ttacccttgt  | tcactttgta  | ctcgggtacat | cttgtgatgt  | ccagattttc  | aaagtcaatt  | 47580 |
| ttctcgtcat  | gtaatttttg  | acgtccgcgt  | tttctgttcc  | tatttttctaa | gggtgggataa | 47640 |
| aacaatacgg  | catcattcct  | gaaacggcct  | attacgtgga  | aaccgttatc  | gtacaatggg  | 47700 |
| ttgatgaaa   | ttgcctttga  | aaagaacgca  | tcacacacga  | ctgtgccaga  | aatacgtttc  | 47760 |
| agctgttcct  | gtatgctgat  | aaggtaagag  | ctgtaccagt  | caacaagatt  | cttctcacag  | 47820 |
| ctttccagcg  | ttgcgttgct  | aggtgtctgt  | acagagccca  | aagtcataca  | ttcatggttg  | 47880 |
| tcaacgtcta  | taactccaat  | accggttatt  | tccagtccac  | gtttgtattc  | accggcacaa  | 47940 |
| ccggaccaga  | aatagccaat  | ccacggcggt  | ttgctgcctg  | atTTTtggaa  | gaaagacgga  | 48000 |
| tcaacggcta  | tcgccttgcg  | accaccttta  | aggtgttccc  | tgatgatggc  | ttcattgaag  | 48060 |
| gaaaaccagt  | caaagccgtc  | gttctcaaaa  | ttgttgcggt  | atgtctgttc  | cgagaaacat  | 48120 |
| ccataccgtc  | ccattttag   | gaaattgatg  | cggtcaggta  | tagccatgaa  | taatttcatt  | 48180 |
| gcacccatga  | atactttctg  | aaaagatttg  | cttatattta  | cagctgattc  | gagagcgttt  | 48240 |
| ctgcactcgg  | attgggtattg | cataaggagt  | gattcttttag | tcataattaa  | aagtgggtgaa | 48300 |
| gtacttctaa  | tttactaaaa  | atcagtgaat  | tatgaaatac  | tttttctgtt  | gatttttcagc | 48360 |
| tgtttagcat  | atcttttttca | tcccttttct  | tactccttga  | cgattttattc | ttgacagtat  | 48420 |
| ttcaatgatc  | tcttgaatat  | aattttgaac  | cggattatgc  | cgattctatg  | tttaatttta  | 48480 |
| atttatcggg  | aaaaatttac  | cgaagtattg  | tatagtagtt  | aaattatcaa  | cagataaatt  | 48540 |
| cgaattaata  | ccatttggaa  | gaaaagatat  | tacagatcaa  | tattatggag  | ttaaatttca  | 48600 |
| attactagct  | aaaggtaaag  | atgatataata | tttatcttta  | gggatttggg  | ttaaagatgg  | 48660 |

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|              |             |            |            |             |             |       |
|--------------|-------------|------------|------------|-------------|-------------|-------|
| acttattact   | gttggggttaa | ataatagaga | tggttgggca | cgaaagtttt  | gtgaactaat  | 48720 |
| agagcaaaaac  | aaatctctta  | attctgtgta | ttcaaaatta | gaaacaacag  | aatatgatcc  | 48780 |
| tgataaattt   | ttatattttg  | aaccaactaa | taagtttaat | gaagaatttg  | cacaaaaaga  | 48840 |
| aacatttgat   | gggcaggtag  | atttattatt | tctttttgtt | aaagaagt    | gtatgaacta  | 48900 |
| tatagagtaa   | tatttgattt  | atctttttac | agaatgttca | ttgtcataat  | tttctttttg  | 48960 |
| accaacttcc   | cactcacgtt  | tctctccatg | gcttccacca | ccaaagtcac  | gcaatttact  | 49020 |
| tttaccaaag   | agaagtgcag  | tatgtctctt | gttttgtaaa | tgcttatgtt  | gccctgattt  | 49080 |
| cttaacaggc   | tgttttatat  | atttctttta | ccgttcaagg | ctgcaattct  | cttcagtaag  | 49140 |
| atttataatg   | atgtgttgct  | tgaagttgat | ggcataagtt | gcacccctcat | cctgacggat  | 49200 |
| ggtgaagccc   | tcttcatgca  | atcggcttct | gacggaggaa | acattttcgt  | cattgaatac  | 49260 |
| ctcacgcaga   | cgggtttacag | tatcagtgtg | gtagtgtgtt | cttttccggg  | gtagtgtttc  | 49320 |
| attcagtgtg   | tctgaaatga  | gtcttcagat | cttttagttt | tgcaaatata  | tcactttatt  | 49380 |
| tgatacatta   | tcggcaggta  | ggcatgccga | taatgatttt | tattcgtccg  | gaaacagatt  | 49440 |
| cttttcaaga   | tcaattcttg  | gaacctgtct | caggtaagac | ttcttgtcca  | tggcagtctt  | 49500 |
| tcccataagc   | aggatgacag  | actcctcggt | gggcattgca | ccacgcaccc  | tcgtaactcg  | 49560 |
| ccggaagtcc   | ttctgcaggc  | gttctatcca | gttcgtagta | tatatcatag  | attggatgcg  | 49620 |
| gtggtcatag   | ttcaggttaag | tgaatatgca | cttgtaggaa | gcacccctcac | cacgtttcct  | 49680 |
| gatactccta   | taataccggc  | cccatggggc | acagaattgc | tgccattcac  | tccaggcctg  | 49740 |
| ttctactgta   | tagtttctgt  | cccctgtccg | gaaaatatgc | ctcaaatctt  | ctgccacatc  | 49800 |
| tcctttgtcc   | ccgttacgga  | catcgctcaa | gatattgcgc | tttaggtggg  | tagtgcattc  | 49860 |
| ctgaagttaa   | gttcctggga  | acacttcact | gatgacatct | tcaagtcctt  | taagaccgtc  | 49920 |
| cgcgcatata   | agaccgattt  | taccgacacc | tctctcgtac | aggtcattgca | gcattctcacc | 49980 |
| ccagcccaaa   | gcactttctg  | tcggtttgtt | gaagataccg | agtacctccc  | tggtcttgct  | 50040 |
| ctccttcacg   | gacagaacga  | catagaaggc | ttccgtatca | acgctacgct  | tgcggtgtac  | 50100 |
| ctttatgtgt   | acgcagtcaa  | tgaacaccac | aggataatag | ctttccagag  | aacgtttccag | 50160 |
| ccagtctgtg   | acatccttgc  | gcaggtagtc | aagcatccgc | gatatactgg  | ctttgctgta  | 50220 |
| gtgctcgcca   | tagatgtcgt  | tgaagacttc | accaacctgt | tcctgagtca  | gacctttggt  | 50280 |
| gtacaaggtc   | ccggcaagtc  | gtttacactc | ttcttcttga | tcacggagta  | tggccaatat  | 50340 |
| acgggggatga  | aagttaccgt  | acctgtcacg | tggaaatcgg | aaagtcaatg  | tacgtccata  | 50400 |
| cccataatgta  | cgaccaggac  | ggtagccatt | gcacttggtg | cctgaaacac  | cctcttcatg  | 50460 |
| aagatatattcc | ctgcgctctg  | atatcatcag | gctttcaagc | attattttcca | tcaaatcatg  | 50520 |
| taagccattt   | tctttttccg  | aatgcttgca | tatcagctcg | gaaagtgtgt  | cctttgtgaa  | 50580 |
| atccataaag   | tctactcttt  | ttttaggttt | attggtttgc | tgctacaatt  | ctaaaaaatc  | 50640 |
| tgtagacttt   | tttattatcc  | tatttcagac | acactttttg | gaacagtatc  | acaggttttc  | 50700 |
| atgattatag   | ctcctgactc  | caccaatagt | caaattgagc | ctgtttcctg  | cgatatcctc  | 50760 |
| atggattgaa   | ggtatctcaa  | aacaaaacat | cattctctca | tagtaaatgg  | tcttatcttc  | 50820 |
| ttccaaaaaa   | tcttttactg  | acttgtgaat | agtttcggga | atttctccctt | tgatgatatg  | 50880 |
| acttactctg   | atttcaggca  | gttcaatact | ttcacttggg | aaaaccctgt  | tagctgcttc  | 50940 |
| tcatacagat   | tcaataaagt  | tgggatggga | gatggttatt | tcattgtcct  | tgctgaatac  | 51000 |
| aggtagaatg   | caatcatctt  | ttagatgttc | aatagtgcct | tcctttgtgt  | tagcctcaat  | 51060 |
| aaaagagagt   | tttttacttc  | tcttcttgac | aagatggatt | ctacatcaac  | aatttcttgt  | 51120 |
| ttagacaaat   | caaatgtcct  | gttttacctt | gcttgataaa | atcaagttag  | ccttgaaggc  | 51180 |
| tgtagttgca   | ttgtctccac  | atcttatgaa | atttgatta  | tagttaatac  | tcggtttatt  | 51240 |
| cttatcctct   | tgtagttgaa  | ttttcttctg | cataaaatca | gagatcaatt  | gttgataaca  | 51300 |
| ttcaggatat   | ttatgataaa  | tggcggtcac | tttctctata | gttttagtcg  | tatttatttg  | 51360 |
| ctgttttatc   | atttcaacag  | tcactccatc | aattgcacca | atcaaggata  | atttgtcctg  | 51420 |
| ttgttggtgt   | aatggtaaag  | tcgggctttc | ccataaacag | gttagtccta  | tccttgcttg  | 51480 |
| caatggcttg   | atgcttcatg  | ttgatgtcaa | agactatagt | aaattcatag  | tttattccat  | 51540 |

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|             |             |            |             |             |             |       |
|-------------|-------------|------------|-------------|-------------|-------------|-------|
| ctctcattac  | agctttaaac  | cctacttttt | caggcacgat  | tttgccattc  | ttctcattca  | 51600 |
| atacatagtt  | ctgtgtgcac  | ctcatagtgc | aaatgatatg  | cttctcactt  | tgcaatatat  | 51660 |
| tctgcataaa  | agcattaatt  | tttgagtaaa | ctttctgcca  | attagtgaag  | ctattacttc  | 51720 |
| gcaaatggc   | atgatactcc  | aacagattat | cccagcattg  | ggaaatggaa  | tctatgataa  | 51780 |
| ttacttctat  | tcctgcatcc  | tcacatatcc | caatggcttc  | catatagggt  | tcaggagtaa  | 51840 |
| aattgtcttg  | aagagaaaaga | acattataac | tgccctaagt  | agcatataaa  | tcagcacttt  | 51900 |
| cattttcact  | atctataatt  | gctattttac | tcctaatctc  | acacaaccca  | taggtaagaa  | 51960 |
| ataaggcaga  | gtaagtttta  | ccactgcctg | cacatccttg  | aagagcaagt  | tttatttttg  | 52020 |
| cttgcttctt  | tgatgaaact  | cttaacagca | tcatattaaa  | aatgaaatat  | ctactgcatt  | 52080 |
| caatctttca  | ctatagtctt  | taatcaaatt | ggagccatag  | gaaagaatct  | caggggtcttt | 52140 |
| aattttctcct | tttcttaact  | tagaagcaat | tatcacttta  | tctgttttga  | tatatcctac  | 52200 |
| ttttctacta  | tgagtgtatc  | taacaatact | tcggtaaatt  | tttaccgata  | aattaaaatt  | 52260 |
| aaacatagaa  | tcggcataat  | ccggttcaaa | attatattca  | agagatcatt  | gaaatactgt  | 52320 |
| caagaataaa  | tcgtcaagga  | gtaagaaaag | ggatgaaaaa  | gatatgctaa  | acagctgaaa  | 52380 |
| atcaacagaa  | aaagtatttc  | ataattcact | gatttttagt  | aaattagaag  | tacttcacca  | 52440 |
| cttttaatta  | tgactaaaga  | atcactcctt | atgcaatacc  | aatccgagtg  | cagaaacgct  | 52500 |
| ctcgaatcag  | ctgtaaatat  | aagcaaattc | tttcagaaag  | tattcatgga  | tgcaatgaaa  | 52560 |
| ttattcatgg  | ctatacctga  | ccgcatcaat | ttcctacaaa  | tgggacggta  | tggatgtttc  | 52620 |
| tcggaacaga  | cataccgcaa  | caattttgag | aacgacggct  | ttgactgggt  | ttccttcaat  | 52680 |
| gaagccatca  | tcagggaaca  | ccttaaaggt | ggtcgcaagg  | cgatagccgt  | tgatccgtct  | 52740 |
| ttcattccaa  | aatcaggcag  | caaaacgccg | tggattggct  | atttctgggt  | cggttgtgct  | 52800 |
| ggtgaataca  | aacgtggact  | ggaaataacc | ggtattggag  | ttatagacgt  | tgacaaccat  | 52860 |
| gaatgtatga  | ctttgggctc  | tgtacagaca | cctgacaacg  | caacgctgga  | aagctgtgag  | 52920 |
| aagaatcttg  | ttgactggta  | cagctcttac | cttatcagca  | tacaggaaca  | gctgaaacgt  | 52980 |
| atttctggca  | cagtcgtgtg  | tgatgcgttc | ttttcaaagg  | caactttcat  | caaaccattg  | 53040 |
| tacgataacg  | gtttccacgt  | aataagccgt | ttcaggaatg  | atgccgtatt  | gttttatccc  | 53100 |
| accttagaaa  | ataggacagg  | aaaacgcgga | cgtccaaaat  | tacatgacga  | gaaaattgac  | 53160 |
| tttgaaaatc  | tggacatcac  | aagatgtacc | gagtacaaag  | tgaacaaggg  | taaactttac  | 53220 |
| ggactgaaaag | catactccaa  | agcactcaaa | cgctttgtga  | gcctggctgt  | atggtacccc  | 53280 |
| atggatggaa  | gaacggacaa  | atggcagctg | tatttctcta  | caaacgaaat  | acagaacgca  | 53340 |
| caggatgtcc  | tggactttta  | cagaacacgt | ttccaactcg  | aattctgctt  | tcgggatgcc  | 53400 |
| aagcaacatg  | ccggaatagc  | aaactgtcag | tctacagact  | tcaggaaact  | ggcattccac  | 53460 |
| tttaatgcat  | cacttgacg   | gataaacctc | gccaaggctg  | cctgtaagaa  | gatgggaata  | 53520 |
| aaatattcca  | tatcatcatg  | caagtcagtc | atacacaatg  | cttacatgct  | tgaacgattt  | 53580 |
| atttgcgtgt  | ctgggattga  | accaaacacg | caattaattg  | acaaactttt  | caaagaactc  | 53640 |
| attttattta  | ctgccagagc  | cgcttaggct | gggctaattt  | ttaacgaact  | attgattcta  | 53700 |
| atgtaaatag  | gaaataattt  | atcattttct | tgttgtctaa  | cacagatttt  | aaaacttgcc  | 53760 |
| atatataact  | aataatcaat  | attatacgaa | tattatttta  | gtgtaaacad  | tctcttaatt  | 53820 |
| tagtgtaaac  | atgaagtaaa  | cactactaca | tgaaaatcag  | aaaaataaag  | taatataaca  | 53880 |
| tagaaaaagg  | gacttgctgt  | aataaacaag | ccccttaact  | tattaattat  | tagtaaatat  | 53940 |
| ctgtttttct  | tctttagagt  | ttattcctca | atagcagcct  | gcgccatacc  | gatatagatt  | 54000 |
| taatattcaa  | atacttaact  | gcacgtgtga | agcctacagt  | aagcgaatat  | ttatctaata  | 54060 |
| ttgttttgat  | taatgattcc  | cagcttagag | gatatcctca  | atagcggctt  | gtgccttgct  | 54120 |
| aattcctttc  | tgattattag  | acgtttacca | tacaagtgtga | agcctatagt  | aagcaaactt  | 54180 |
| tcttgataac  | ttattgaccg  | gaattttctc | acttaatcaa  | atatggctgt  | aagtgactga  | 54240 |
| atcttaatac  | gctagaactt  | acatggtaag | tgtgaagcgg  | attcacttta  | cttttgccctc | 54300 |
| tccatcaacc  | ctttgatgaa  | taattaaata | ttaatagata  | tacaacattt  | cagttttattc | 54360 |
| ttttctccta  | tctttcaata  | gttcaataat | tacgtcctta  | tccttcagggt | ttgaatcaag  | 54420 |

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|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| acgtaaaatc  | tgtgagttca  | gactctctat  | ctgttccttc  | agaagcttga  | ttgtttccct  | 54480 |
| cagggttttct | gtttctttct  | tttcgctgga  | taactgcacg  | gccagttccg  | catcacctat  | 54540 |
| cagggttgtt  | gcattttccat | ccaatgaaac  | ggctgcaagg  | tgtgccgata  | tatgatgctg  | 54600 |
| tctcggacag  | aaaagggaaa  | agaaattgaa  | gtccaatgct  | tcgctgactt  | taataagcct  | 54660 |
| gcacgtttcc  | attgtctccc  | tttcagtat   | gcggtttatg  | tgctgctgcg  | gtacacctat  | 54720 |
| tttgcgccca  | agctcagatt  | tgcttaatcc  | aagctcgttg  | cgtcttttgt  | cgatagcctg  | 54780 |
| acctacatgc  | acgtgtttta  | tgtcattatc  | catgcgattc  | cttcaataaa  | tatatcttaa  | 54840 |
| acaataaatc  | atcaaacaaa  | tatttggtta  | tataaaccat  | tttatgttac  | tttgtggtgt  | 54900 |
| aacatattca  | tttggtgaat  | acaaagttaa  | acattaaata  | ttaaaccatcc | aacaattatg  | 54960 |
| tctgaaaaact | tagaaaaaat  | ccgtccggca  | cttggtgccc  | ttgaagtagg  | tgaatcagtt  | 55020 |
| tcattcccta  | tttcacgttt  | gaaaagcgtc  | cgtacacagg  | cctcagagct  | tggtgccatc  | 55080 |
| tacaaccgtc  | agttcaagac  | caggactgat  | agggaaaccc  | aaaccattac  | ggtcaaacga  | 55140 |
| acagtataga  | aaccaaatac  | ggtttatatg  | aagatattac  | agtttctgga  | ccatcttata  | 55200 |
| ccatacgaaa  | cattcctgaa  | tgacctctcc  | tccagaattg  | tcaggcaatt  | gaaagccgac  | 55260 |
| aaggatgatc  | ctgaattcat  | cagccagagg  | aaggcatacg  | agctgttttg  | ccgcaggaat  | 55320 |
| gtagaaaagg  | ggaaacgtca  | gggaaagggtg | gtttcctata  | aaagaccggg  | taagggtggaa | 55380 |
| taccgcacag  | cagacctcag  | gcttctccag  | cgtaccaccc  | aggactat    | tgatgaaagt  | 55440 |
| cagccgaaac  | aggcagaaaa  | accggtcaag  | aaagataaat  | gataaacata  | ttatggctaa  | 55500 |
| tactactaata | ttgataaact  | ttatttggtt  | agtttagccg  | tgatactcta  | tgaaatataa  | 55560 |
| agaaaagcaat | tatagtaggt  | acaggaatgt  | gcgtcagtaa  | cctttgttcg  | ccagcttata  | 55620 |
| gtttaaaata  | aagccggaca  | ggtctttttt  | atcgcacatt  | cataatgatt  | ttataataat  | 55680 |
| gaaagaaaatc | agaccagcgt  | gcgatccaaa  | cgggtgtctat | tcagtcaagc  | gcacctgtgc  | 55740 |
| tgaactcggg  | atcagcaaca  | agacactcaa  | aaaatacaga  | gaaaacgggt  | atatccaacc  | 55800 |
| gctcaatcct  | aataatatca  | gccgtccgaa  | atactccggc  | cagtcaataa  | tcgattgttg  | 55860 |
| gaacctgctc  | agtacgttat  | gataagcgaa  | acaaccatac  | ggaaagtaag  | ggaacttgcc  | 55920 |
| atagaagacg  | tactcagtc   | ttatgtcaga  | ctgtccagaa  | aaggctcaac  | cctgatgggg  | 55980 |
| ctttgtcctt  | ttcattccga  | aaagaccggg  | tcctttgccg  | ttaccccaag  | caagaatctc  | 56040 |
| ttccactggt  | tcagctgtaa  | ccgtggcggt  | gattccatta  | cgtttataat  | ggaaaaggaa  | 56100 |
| aacctttcct  | tcagttccgc  | tgtggaattt  | attgccagaa  | accataatat  | tccggtagaa  | 56160 |
| tacatcagtg  | aagagcgcag  | tgaggaacag  | atggccgaag  | ccaagcaccg  | ggagtcactt  | 56220 |
| ctgacagttc  | tcgatacagt  | acagtctttc  | ttcctgcaaa  | atttaagagc  | aacagacaag  | 56280 |
| gaagagagcc  | ttgatgccag  | agcctacgca  | tacggccggg  | ggcatgagga  | gttctgtgcc  | 56340 |
| tttgccggaa  | taggctatgc  | accgaaggac  | ggtcaggcct  | ttatggattt  | ctgcagaagc  | 56400 |
| aaggctctga  | acgaagaact  | gctgtacgaa  | ctcggcatgt  | tcaagcgtgg  | tgaggacgga  | 56460 |
| aacacatacg  | ccatgttccg  | acagcgtatc  | atgattcccg  | tgagaaacag  | atggggacgc  | 56520 |
| atcattgcct  | atacagccag  | atacatcgga  | gacaacagga  | aagctcccaa  | gtatatcaac  | 56580 |
| tcggcaacaa  | gcatgattta  | ctccaaggga  | gaaacagtat  | tcggtattga  | ccgtgcagcc  | 56640 |
| agactgcgtg  | atgccgacta  | ttatatcatt  | gtggaagggtg | ctcctgatgt  | cctgagaatg  | 56700 |
| cagtcgattg  | gatacgacaa  | tacagtagcg  | tcacttgga   | caacttgag   | tgacagccag  | 56760 |
| ttcgagcagc  | tgaagaagta  | tgtatcctca  | ctctgtttca  | ttccagattc  | agatattgcg  | 56820 |
| gaaggcaagc  | catacggacc  | tggatttgag  | gcggtgatga  | ccaatggggc  | tgcagccata  | 56880 |
| agaaaaggat  | tccatgtaac  | agtcaggga   | cttctttttg  | cagaaatacc  | atccgaggca  | 56940 |
| gaaggaaaaag | tacaatatgc  | caagaatgat  | gccgacagct  | atatccgcag  | cagggaagat  | 57000 |
| tatacttcac  | ttccggaaaa  | gcattttatc  | atctggttg   | cacagaaacg  | ttttctggta  | 57060 |
| gccggttcca  | tggttagagga | aagaaagtgt  | gttgcgga    | tagcagacct  | gttgcgctat  | 57120 |
| ataaaagacc  | agcttggtga  | tgaccagtgt  | atagaacaac  | tctccagact  | gcacggcaag  | 57180 |
| gtaaagctat  | ggcgtgatgc  | cgttaccag   | gcacgtgggg  | aagccaggag  | aaggaacgac  | 57240 |
| aaacctgcgg  | ccatgaacga  | gatgcagcgt  | gaagctgaac  | tgctgcgcca  | gttcggtctg  | 57300 |

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| ttcgtcaggg  | aaaactgtta  | ctactccatc | ggtgaagatg  | atgatgaacc  | gtcaagaatc  | 57360 |
| tccaacttca  | taatggaacc  | actgttccat | atcgaggatg  | agataaacgg  | aaccagaatc  | 57420 |
| ttccgtatga  | ggaatatgta  | caatgtatgc | agggctcatag | aactgaagga  | gtctgaatta  | 57480 |
| tgctcgctga  | gcaacttcca  | acagaagggt | ggttcactgg  | gcaattatgt  | atggctggcc  | 57540 |
| aagatagaca  | aactcaaccg  | tgtaaaggaa | tacctgtact  | caaagaccga  | tacggcagaa  | 57600 |
| cgtatcagaa  | aactcggctg  | gaatgcagct | gaaggattct  | ttgcttttgg  | aaacggaata  | 57660 |
| ttttttgcag  | gcacattcaa  | tgctgttgac | gaattgggta  | tagtccgttg  | tatcaacggc  | 57720 |
| aaggccttct  | atataccggc  | cacttcaaaa | atctatctca  | acaatccgga  | gatattccag  | 57780 |
| tttgaaaagac | ttatggtgca  | tgagaaccgt | aacggaataa  | aactgtatga  | ttacgtaaaa  | 57840 |
| agacttatgg  | aagtattcgg  | tgagaatgca | agtgtagcct  | tctgttacct  | tcttgccacc  | 57900 |
| ctcttccgtg  | acatcatatt  | cagacgtacc | cgccactttc  | ccatcctgaa  | ccttttcggt  | 57960 |
| gagaaaggaa  | ctggttaagac | aaccctggct | acttccttcc  | agtccttttt  | cctgcacgga  | 58020 |
| gtagatccgc  | ccaaccttgg  | agtaacctct | gtaccggcca  | tgaacgaccg  | tgtgtcacag  | 58080 |
| gccgtcaata  | ctcttgccgt  | gcttgatgaa | tacaagaacg  | acctcgacat  | acgcaagata  | 58140 |
| gcctatctga  | aaggactctg  | gggcggtggc | ggccagacca  | aaaagaatac  | gaatacacag  | 58200 |
| gggatggcag  | cacagaccat  | tgtcacaaca | ggtgtagccc  | tttgcggccca | ggacaagccg  | 58260 |
| acacaggata  | tggcactcta  | taccctgtgc | atcttccttg  | ccttttcaaa  | gacatcattc  | 58320 |
| aaccagaatg  | agaaaagggc  | ttatgaagac | cttgtatcag  | tctgcaacat  | gggacttacc  | 58380 |
| catctcactc  | tggagatact  | gggacaccgg | gaactgtttg  | agaagaattt  | tccggaaata  | 58440 |
| tattccatca  | ccaagcgtga  | gctggctgcg | aaattggata  | atgaaaccat  | ccatgaccgt  | 58500 |
| attttcggga  | actgggttat  | tccactggcc | accttcagaa  | cactggagac  | tgtcattgac  | 58560 |
| gtgcctttca  | gctatgcaga  | attgtttgat | acggcagtc   | gaggaatacg  | aaatcagaat  | 58620 |
| gaactggctc  | aggaaagttc  | agagatagcg | gacttctgga  | gtatgcttca  | gggattccag  | 58680 |
| acttcagggg  | aatgtattga  | gaaggcacat | taccgtataa  | ggtatatgaa  | atccttccgt  | 58740 |
| ccattgtctg  | taaaagaaga  | tatagaattt | aaagaagcac  | gtcctattct  | ctatctgaac  | 58800 |
| acggcagccg  | ttgcatcact  | gttcaacagc | cggaacgcag  | gttcacctc   | caatcgctcg  | 58860 |
| aattggtcca  | ccatcatgtc  | ctacctgaaa | tcccatgctt  | catacctggg  | actgaagcag  | 58920 |
| gacagattca  | ccatacttct  | gccaagcgga | cttcttgact  | ataccattga  | cattgtgaat  | 58980 |
| ggagagcagg  | ttaagaaggt  | aaaagtaaac | cgtccgaagg  | cattatgctt  | tgattatctc  | 59040 |
| cagctgaagg  | agactttcgg  | actggatctt | gaaactgagg  | ttgtcgctga  | agtacaggac  | 59100 |
| atgaaggaag  | aaatgacttc  | cggacacaaa | caatatcctg  | agcagaaagg  | cttattttta  | 59160 |
| ttgagaattt  | acaataataa  | attatcatca | gaaaaatcca  | atccttttta  | atgtattcgt  | 59220 |
| caagcaatta  | tttacagtta  | tcttttggtg | tttcaaaact  | taactcttat  | ttttgtagaa  | 59280 |
| atcttgcaaa  | aaaaggagtt  | aagtttatga | ttttagagtt  | ttgtgtcagt  | aattacttgt  | 59340 |
| caataaagga  | tgagttaaaa  | atataccttg | ttgcaactgc  | tcttaaagat  | gttcttaccg  | 59400 |
| agtcaaatga  | tatgataact  | gtaccgata  | ccgattattt  | tgtattacgg  | agtgcagtga  | 59460 |
| tttatggtgc  | aaacgcttca  | ggaaaatcaa | atgttctaaa  | ggctattgct  | ttttacaggc  | 59520 |
| gttttatcac  | ggactctttc  | aaaaacagtc | aggccggaga  | agcaattgat  | gtagagaact  | 59580 |
| tccggttgaa  | taccacttca  | atggatgagc | cgactacaat  | ggaggcaacc  | tttattgttg  | 59640 |
| aagggtttcac | ttaccgttat  | ggttttgagg | ttgacagcaa  | agctgtacgt  | gccgaatggc  | 59700 |
| tgtaccagcg  | cacaaataaa  | aagagagcca | agaagttga   | aatattctac  | aggacagaag  | 59760 |
| aagaaaccac  | tgttcatcag  | aaaagttctt | tattgataga  | gcttgtaaac  | aagaaaatgg  | 59820 |
| tgcttgacaa  | tgctttactg  | ctgtctactg | gggcacaatt  | caatgagccg  | atagcagtca  | 59880 |
| gtatcctgca  | atggctgaat  | gatatgcatg | tgatattttg  | caatgatgag  | gaaagactgt  | 59940 |
| ggaaacaggc  | tataaagtct  | atggatgatg | agaatctccg  | tttgcgtatt  | actaactttg  | 60000 |
| caaaatatgc  | agatctgggg  | atagacagta | tcgtaaaaac  | agataaccgt  | atcgttagta  | 60060 |
| ctcaccggca  | atatgatgat  | gaggggaaag | aaaccaatag  | tgtagctttt  | tcatttcagca | 60120 |
| gtaatgaatc  | ggaaggtaca  | ataaaatatt | tttctttgtc  | atatacctatc | attgatgctt  | 60180 |



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|             |             |             |            |             |             |       |
|-------------|-------------|-------------|------------|-------------|-------------|-------|
| tggataatgg  | aaaacttctt  | gttattgatg  | aacttaattc | aaagcttcat  | cctctgttgg  | 60240 |
| ttcgtaaaaat | catcggcctt  | ttcaattcgg  | caaaaacaaa | cccaaagggg  | gcacaactac  | 60300 |
| tttttacaac  | tcatgatacc  | ttcttggtta  | gcgctggtat | gtttcgccgt  | gaccagatat  | 60360 |
| ggtttacaca  | gaaaaacagt  | ttcggttcta  | ctgaagcgta | ttcactgggt  | gaatataaag  | 60420 |
| tacgcagcaa  | tactccattt  | gaaagggatt  | atctgctggg | taaatatggg  | gcaactccca  | 60480 |
| ttatcgggtga | aatggagagg  | gtctttaata  | tggaggaatg | agtatgggaa  | gacaaacaaa  | 60540 |
| aaaggaccat  | cgttcaggca  | gtctgaccag  | aaagcagggg | acgagaaatg  | taaaacagtc  | 60600 |
| ttttctcata  | gtatgtgaag  | gggtacgtac  | agaaccagac | tactttaagg  | ctttccgtat  | 60660 |
| gacaactgcc  | acagtcaaag  | ctataggtca  | ggcaatgaat | actataagtc  | ttgtcaataa  | 60720 |
| ggcaatcagc  | atacgtgata  | ccgaacaaaa  | gaagaagcat | tactatgatc  | agtgttgggt  | 60780 |
| tgtttttgac  | aaggatgatt  | ttcctgcaaa  | ggacttcaat | caagcaataa  | ttttggctca  | 60840 |
| aaagaacggg  | ttccgtgttg  | cttacagtaa  | ccaggcattt | gagtattggg  | ttctattgca  | 60900 |
| ttttaatctc  | tatcgaggct  | ctctccatcg  | ccagaattat | gcagatatgc  | tgtcaaaact  | 60960 |
| tataggaatg  | ccatattcaa  | aaagtgaagg  | atttggtact | gtcatgtata  | ataggcttta  | 61020 |
| tcacctgcaa  | tcacaggcaa  | taaagaacgc  | aaatgtagta | cttaacgagg  | tttcaaattg  | 61080 |
| aaatcctgcc  | atggaagaat  | cttcgactac  | tgtacattta | ttgattgaag  | aattgaataa  | 61140 |
| atatgtttga  | tatagttggg  | tgcattaaga  | ataaaacata | gttaaattgag | agtttaataa  | 61200 |
| aaggtaataa  | ctgtatttaa  | gataattggg  | acataacata | attaattgat  | tgaaaaaatg  | 61260 |
| gaaataggtg  | atataataaa  | aggatataca  | ataaaagagt | atattggaga  | tggtggtatg  | 61320 |
| ggatttggtt  | ttaagggtga  | gaaagatggg  | aaagaatatg | ctttaaaaat  | atgtaacaca  | 61380 |
| acagatgatg  | agtatgtctc  | aagattttaag | agagagatac | gaatgatgga  | aacaataaac  | 61440 |
| aataatagaa  | tagtaaaaat  | tattgataaa  | gatattgatg | cttcaattcc  | ttatttttata | 61500 |
| atggagttat  | gtgatgaatc  | gcttgaaaat  | gctgttgaaa | gaggattgtc  | cgaagagaaa  | 61560 |
| aaatttgatt  | atataattgca | attgtgtgat  | ggattaaaag | ggctacatga  | tcaaggaata  | 61620 |
| attcatagag  | atattaaacc  | tggtaatgct  | cttattgttg | atgacaaaat  | aaaagtgtca  | 61680 |
| gatttaggtc  | ttgggaaatt  | tattaaacgt  | gatactcctt | gtttgactcc  | tactgatgat  | 61740 |
| aaatatatgg  | gaacatacga  | ttatatggct  | ccagagatat | atattgatgg  | taagggaaga  | 61800 |
| gatgcagata  | aacggagtga  | tatcttctct  | ttaggaaaat | tatttatattt | tatatattaca | 61860 |
| gatcaatagt  | tcgttaaaaa  | ttagcccagc  | ctaagcggct | ctggcagtaa  | ataaaatgag  | 61920 |
| ttctttgaaa  | agtttgtcaa  | tttaattgct  | gtttggttca | atcccagaca  | cgcaaataaa  | 61980 |
| tcgttcaagc  | atgtaagcat  | tgtgtatgac  | tgacttgcat | gatgatattg  | aatattttat  | 62040 |
| tcccatcttc  | ttacaggcag  | ccttggcgag  | gtttatcgct | gcaagtgatg  | cattaaagtg  | 62100 |
| gaatgccagt  | ttcctgaagt  | ctgtagactg  | acagtttgct | attccggcat  | gttgcttggc  | 62160 |
| atcccgaag   | cagaattcga  | gttggaacg   | tgttctgtaa | aagtccagga  | catcctgtgc  | 62220 |
| gttctgtatt  | tcgtttgtag  | agaaatacag  | ctgccatttg | tccgttcttc  | catccatggg  | 62280 |
| gtaccataca  | gccaggctca  | caaagcgttt  | gagtgccttg | gagtatgctt  | tcagtcctga  | 62340 |
| aagtttacc   | ttgttcactt  | tgtactcggg  | acatcttggt | atgtccagat  | tttcaaagtc  | 62400 |
| aattttctcg  | tcatgtaatt  | ttggacgtcc  | gcgttttctt | gtcctatttt  | ctaagggtgg  | 62460 |
| ataaaacaat  | acggcatcat  | tcctgaaacg  | gcttattacg | tgaaaaccgt  | tatcgtacaa  | 62520 |
| tggtttgatg  | aaagttgcct  | ttgaaaagaa  | cgcacacac  | acgactgtgc  | cagaaatacg  | 62580 |
| tttcagctgt  | tcctgtatgc  | tgataaggta  | agagctgtac | cagtcaacaa  | gattcttctc  | 62640 |
| acagctttcc  | agcgttgctg  | tgtcaggtgt  | ctgtacagag | cccaaagtca  | tacattcatg  | 62700 |
| gttgtcaacg  | tctataactc  | caataccggg  | tatttccagt | ccacgtttgt  | attcaccggc  | 62760 |
| acaaccggac  | cagaaatagc  | caatccacgg  | cgttttgctg | cctgattttg  | gaatgaaaga  | 62820 |
| cggatcaacg  | gctatcgctt  | tgcgaccacc  | tttaagggtg | tccctgatga  | tggttccatt  | 62880 |
| gaaggaaaac  | cagtcaaagc  | cgctgttctc  | aaaattgttg | cggatgtgct  | gttccgagaa  | 62940 |
| acatccatac  | cgctccattt  | gtaggaaatt  | gatgcgggtc | ggtatagcca  | tgaataattt  | 63000 |
| cattgcatcc  | atgaataactt | tctgaaaaga  | tttgcttata | tttacagctg  | attcgagagc  | 63060 |

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|             |             |            |             |             |            |       |
|-------------|-------------|------------|-------------|-------------|------------|-------|
| gtttctgcac  | tcggattggt  | attgcataag | gagtgtattct | ttagtcataa  | ttaaaagtgg | 63120 |
| tgaagtactt  | ctaatttact  | aaaaatcagt | gaattatgaa  | atactttttc  | tgttgatttt | 63180 |
| cagctgttta  | gcatactctt  | ttcatccctt | ttcttactcc  | ttgacgattt  | attcttgaca | 63240 |
| gtatttcaat  | gatctcttga  | atataatttt | gaaccggtat  | atgccgattc  | tatgtttaat | 63300 |
| tttaatttat  | cggtaaaaaat | ttaccgaagt | attgatagat  | ataatcccag  | gaagtaatca | 63360 |
| ttcttttgaa  | aataatatctg | ttagctgcca | attaaaagaa  | aaatttgaga  | gtacaaaagc | 63420 |
| atcttcatta  | tttttagtac  | ttgatgtttc | aggctctatg  | gataatttat  | ataaagctgg | 63480 |
| gcatgtacat  | aatatcgctg  | agcaagtgtc | atcagtttcg  | ttgacaatat  | cagaatctaa | 63540 |
| agaaaatttct | ttatggaagt  | ttggtgatag | agctgatttt  | gttgaaaata  | tcggattaga | 63600 |
| gaatattcag  | tctgttaaaa  | atgtacattg | tgaagggtact | ggaactgaat  | taaatgcttt | 63660 |
| cgtaaagtgt  | gccagtggtc  | caataaatga | tgggtcttta  | gttattatat  | ttactgatga | 63720 |
| cgatttaggg  | tctataaaga  | aagctgcttt | gaatattaaa  | aataaaaagca | aagtattttg | 63780 |
| gcagataatc  | gtatatgggg  | agcataagaa | tatttcatca  | gaaatatcga  | attgttcaaa | 63840 |
| tgtgtctttg  | atctgtatgg  | atgattatgc | ttctaaaagt  | aagaaagaaa  | ttaatcaaat | 63900 |
| gttattgaat  | gattatatatt | tatggaaaaa | taaataatac  | aaagataaaa  | gtctaaatat | 63960 |
| aactaatgta  | agtataatac  | aaataatggt | tatattttaga | cttttggtct  | attttgtctt | 64020 |
| atatacagaa  | atgataggcc  | tgaacttatg | cgcttgatct  | tttggcggtt  | cctgaatagt | 64080 |
| tcctgactgc  | atggaataaa  | gccaagcctt | attttccttt  | tgcccttcta  | cctctgtaga | 64140 |
| cgaccacaac  | cagcattcac  | ccggattcag | attaatcgga  | gttccaccga  | cttcagttat | 64200 |
| acattcatta  | atctggtgcc  | ggacagcgaa | cagataagag  | agttgccgga  | cagaaggaat | 64260 |
| ataagccgat  | tgtccataac  | tccacaaatc | aaaagacttg  | atagctattg  | gtgataggac | 64320 |
| ttcatcatta  | ttgaacaaag  | aataggtatt | ctcatttccg  | tcctcatcag  | tcaatgatgc | 64380 |
| agaagtaccc  | tgggtcaatac | caagactgtc | ggcaaaagcc  | agtgggtcca  | tatcatgaat | 64440 |
| gtaaaactgca | taaccaagat  | tgtcagcatc | aggactacgg  | tttacctgga  | aaactatgcc | 64500 |
| aacagcttct  | ttgtcagatt  | gcttgaattt | gtccatggac  | aatatatattc | cgtccgaaca | 64560 |
| aaccacattg  | ccaacctgaa  | gggaagataa | cagttcggtg  | acatcttcat  | gttcacaatg | 64620 |
| acaggaagtg  | agcaacagcc  | cactccatgc | cagaatcggt  | aataaaaaatc | tgttcagctt | 64680 |
| cataacagtg  | ggatttcaaa  | tgacctgatt | acacattgcg  | cttccttgtc  | cataatgaac | 64740 |
| cagtattcag  | aacgggtatgg | ctgtccgtca | gaatcagtag  | cttcatactc  | tatctttacc | 64800 |
| ttccaaccgt  | tgaacggctt  | gcgttcctgc | ctggcttcat  | cacctgtagg  | cttcagttct | 64860 |
| tctgtaacca  | tcagagagcg  | gagtgccgtc | atggcatcca  | tctgatgttt  | catctgaccg | 64920 |
| gatatcccgt  | gacattctga  | atctggatta | tcaaaatctg  | tatcctccat  | aaacctgcgg | 64980 |
| ctgattttca  | tcatggccac  | agaaagagcc | atcttctcct  | tcatgctaac  | atactcacgg | 65040 |
| ccaaatacag  | aatccggttt  | gctgatacc  | acaatcttta  | cggattccgg  | attgtccacc | 65100 |
| gaagccatca  | gtgccttttt  | ggccatatcc | tgtgccttat  | tttcgctgtt  | gccggaacag | 65160 |
| ccggttccca  | ttccgagcag  | gactgccact | gcaggcagta  | tcagaagttt  | ctttccctgt | 65220 |
| ttcatatctt  | tacgatttga  | agtttgtccg | gggccagacc  | gagacgtttg  | cggtaaatgg | 65280 |
| aaccgtcttc  | ccggtacatc  | tccagttcgt | atgaagtaat  | gttctttctca | caaagttcct | 65340 |
| tcgctctctc  | cagtgtcagc  | tgatggcctc | ctatatctct  | ccatatggcg  | aatgagcacg | 65400 |
| gtgtttcctg  | attgctgtag  | ttggaacagt | tgaagccct   | tgttcccaca  | cgtacctcgc | 65460 |
| cgccgcagtg  | cggacacctg  | ccgataacag | actgcatatt  | gaccgcaccg  | tcatcagcaa | 65520 |
| gttccagcac  | tgtcgggaat  | gtctttcctt | ccttggtgga  | aaagccgtcc  | agaaggatac | 65580 |
| ggcgtttctc  | taaaaattca  | gcaatctccc | cgtcattcat  | tttcggttg   | ccgatgatgg | 65640 |
| cattgatgtt  | gagcacacaa  | gaaggatgct | cacctgtgtt  | gttttcgcag  | cgatagccct | 65700 |
| tgcattgttt  | caccacgttg  | ccgccgcaga | acgggcagcg  | tcctataatc  | ttcttttctg | 65760 |
| aatccatatt  | cctgataagt  | tacattgttt | gaattaattg  | aatgagaccc  | cccgtttcca | 65820 |
| gtccgcaacg  | attcctccta  | tgatgttctt | gccggacatc  | acgcttgccc  | aaccttccgg | 65880 |
| gtcaagagag  | aaccagaggt  | cgttccatga | gagtgtgcgt  | acctgccatg  | ccaggataaa | 65940 |

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|            |            |             |            |            |            |       |
|------------|------------|-------------|------------|------------|------------|-------|
| gaggtcggta | ttgacagcct | ccagtctggg  | cagtacctcg | tttgcaatgt | agtaccgctc | 66000 |
| ggaagaactg | agcaggttta | ccttgtgctt  | ctccttgcc  | ccgtcagaac | cgcctgtatc | 66060 |
| atagcttccg | gaagtcacca | gttgcttcat  | gaacggataa | agcgcagcca | tctgggttgc | 66120 |
| ggcatcagcc | agctcgtccg | aaacgattgc  | agcgatggcc | gtccccttca | ggttactgcc | 66180 |
| gaccgatttg | agcagcagac | tgcagttctg  | gggtatctcc | gtggtcacca | gttccccggc | 66240 |
| acgcttaatc | tgatagagat | tctgcatggc  | accctgtgca | ttggaaagat | attccagcag | 66300 |
| cttgttctcc | acactgtgta | ccctgtcgag  | tgcaaccggt | acggcagtct | cggcagcaat | 66360 |
| gattttctcg | tgtgccttct | gacgtttgtc  | atagatatct | ttcagtgtgg | aagtctgtgc | 66420 |
| aaagacagca | cccgtcagtg | tagggctctgt | ctgttgtgca | aaagtgtctg | tacctttcag | 66480 |
| cagaaaaaac | gccaaagcag | tcactaccgt  | tattcttaac | ttgattctgt | ccatatcatt | 66540 |
| cagattttac | gccctttatt | cctttgttcg  | ctcagattct | gttcacgttc | ctctttgtgt | 66600 |
| ggtgaaatca | ccggctccat | cggcctgttc  | agcagacagt | cgttccagtc | cttgaaagcc | 66660 |
| ttcggaggaa | gccattgtcc | catacggtag  | cggatgttca | gctgcctggc | aacctgggcc | 66720 |
| agtaggggac | gctccaagtc | aggctcgaat  | acctttccct | tcgcttcaat | ccggatgccg | 66780 |
| ccgtcagtc  | tgcttatctt | catctgaata  | ccttcctgca | gagccatcat | gcgcagtcg  | 66840 |
| tatatcctcc | cggccaggtc | gttgtcacia  | cagtcgaagg | cacgtgcatt | tggaaagcgt | 66900 |
| tccatgactc | cggttatctg | cctgtcagaa  | aatgtgccgc | ccagtgaaac | cagagccgca | 66960 |
| ctgtcccca  | tctgtatccg | gttcatctgg  | tagaaggcca | tagcatcaaa | tgcagattca | 67020 |
| ca         |            |             |            |            |            | 67022 |